STAR-PAN™

JTAC-TOUGH™

STAR-PAN™

The Battle-Tested, Multiport USB Hub, Cable, and Power Management Solution from Glenair

JANUARY 2020

JTAC-TOUGH™

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STAR-PAN™ packaging reduces heat and increases power efficiency and battery life

Powering soldier connectivity and C4ISR mission success

Ruggedized soldier-worn electronics have revolutionized mission effectiveness. But the ongoing evolution of Digitally Aided Close Air Support (DACAS) missions, including precision targeting, ground and air radio communications, real-time video downlink, GPS/navigation, and personal area network computing has added significant mission weight to the dismounted soldier ensemble. Battery power management for this broad range of electronic gear is a significant challenge in terms of mission time, weight and supply logistics. The Glenair STAR-PAN™ data hub and power distribution system enables soldiers—from standard light infantry to Joint Terminal Attack Controllers (JTACs) —to make the most of C4ISR devices, improving situational awareness, surveillance, intelligence and reconnaissance while optimizing power monitoring and distribution performance. Importantly, all STAR-PAN™ technologies—from the high-density, NATO standard Mighty Mouse quick-disconnect connectors and cables to the scalable range of low-profile hub enclosures—are designed for optimal size, weight, power, and ruggedized mil-spec performance with battle-tested environmental and EMC sealing and shielding.

- Versatile 1, 2, 4, and 6-port high-speed hub configurations
- Compatible with USB 1.1, USB 2.0, and SMBus
- Embedded power charging
- Smart power monitoring for longer mission life
- Robust circuit protection
- MIL-STD-810 harsh-environment tested
- Compliant NATO STANAG 4695 Soldier Power Connector
- New MISSION MANAGER for on-the-fly device integration to soldier C4ISR networks

Glenair's Tactical Interconnect Solutions team is backed by six decades of proven, made-in-America interconnect industry performance in service of US and NATO armed forces—including the United States Marine Corps, our latest STAR-PAN™ adopters and users.

Export of STAR-PAN™ outside of the U.S. is controlled by the U.S. Department of Commerce Export Administration. See individual product pages for details. Consult factory for technology / hardware licensing information.

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Scalable Multiport USB Hub / Power Distribution Technology for Dismounted Soldiers

STAR-PAN HUBS: SCALABLE MULTIPORT POWER AND DATA HUBS
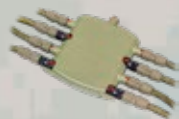
Scalable C4ISR and Personal Area Network (PAN) power management hubs with compliant ports for 1, 2, 4, or 6 USB peripheral devices and soldier radios, plus dedicated support for host/End User Device (EUD), power supplies, and other mission-specific equipment.

STAR-PAN MISSION MANAGER: DEVICE INTEGRATION AND MANAGEMENT

Brings intelligent data networking and on-the-fly device integration to soldier C4ISR networks. Provides full-time host-to-broker data exchange between soldier USB peripherals and the EUD.

RADIO CABLES AND ADAPTERS

Glenair STAR-PAN radio adapters are made with NATO-standard Mighty Mouse 807 connectors and abrasion-resistant jacketing. Radio sidehat connectors are precision machined and fabricated for precise compatibility with JTAC/dismounted soldier radios.

POWER CABLES AND BATTERY ADAPTERS

STAR-PAN power cables and battery adapters enable STAR-PAN system users to leverage the broad range of military battery types as well as next-generation conformal batteries, shared radio power, and AC/DC power sources.

TARGETING CABLES AND ADAPTERS

STAR-PAN supports data and power interconnection of US and NATO standard hand-held range finders and high-accuracy targeting systems with a complete range of ruggedized cables with proven, battle-tested performance.

VIDEO / GPS AND AUXILIARY C4ISR CABLES

Video downlink, GPS, and auxiliary C4ISR devices—including the complete range of TacROVER peripherals—are fully supported with a complete range of ruggedized STAR-PAN system cable assemblies.

HOST / EUD CABLES AND ADAPTERS

STAR-PAN End User Device and Host cables provide fast, reliable, battle-tested connectivity between soldier computers and C4ISR devices and power supplies. Micro-B USB 2.0, Micro-B USB 3.0, and USB-C adapters are available for all popular EUD types.

COMMERCIAL PROTOCOL CABLES AND ADAPTERS

Interconnection of devices equipped with commercial interface connectors such as USB, RJ45, and RS-232 are fully supported.

SOFT GOODS: MISSION KIT BAG AND POUCHES

Rugged, MOLLE-compatible Mission Bag and Pouches for safe storage, organization, and transport of STAR-PAN™ system hubs, cables, and adapters. Available individually or as turnkey kits.

HUB | HOST | RADIO | POWER | TARGETING | VIDEO / GPS | HOST/EUD | COMMERCIAL | SOFT GOODS

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Turnkey overmolded and overbraided factory assemblies

Mighty Mouse 807: The NATO 4695 Standard

The worldwide (NATO) quick-disconnect, open-system standard for tactical soldier battery and C4ISR device interconnection

The STAR-PAN™ System grew out of capabilities gained by designing Mighty Mouse 807 into a broad range of soldier electronic devices and power supplies. Today, the Mighty Mouse 807 QDC dismounted soldier interconnect has both US and NATO STANAG 4695 compatibility—with broader battlefield application than all other tactical soldier connectors combined.

NATO 4695

Fully validated in battlefield conditions, NATO STANAG 4695 defines the standard dismounted soldier power connector interface (data standard pending). Interoperability with this open-system standard allows soldiers from different nations to share battery supplies and battlefield data, either directly or via available adapters. NATO STANAG 4695 ensures soldiers experiencing low battery power have greater likelihood of obtaining energy in the field from both national and NATO coalition primary or secondary power sources, reducing the logistical burden on the soldier while enabling prolonged mission duration and mission success.

Peripheral Device Interoperability

Due to the broad range of devices employed in ground-force missions, an open system architecture is vital. All STAR-PAN hubs, cables, and new Mission Manager utilize this US and NATO standard quick-disconnect connector interface as well as its power and data pin assignments. In fact, the 807 Mighty Mouse QDC has become an enabling technology which directly contributes to the easy integration of peripheral devices across the broad range of systems.

Validated and enhanced over two decades of battlefield use, the 807 Mighty Mouse QDC has changed the landscape regarding interoperability and interconnect standardization. As more branches of the military—both US and NATO—adopt this key technology, the flexibility and versatility of C4ISR soldier systems is significantly improved, allowing these devices and the soldiers who use them to more consistently contribute to mission success.

Mighty Mouse 807 in action on Glenair STAR-PAN II

Mighty Mouse 807: NATO-standard, open-system interconnect interface for C4ISR-equipped warriors

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Cable Plug **Cobra Plug** **Panel Plug** **Cable Receptacle** **Panel Receptacle** **Hermetic Receptacle**

STAR-PAN™ tactical soldier radio data/power setup with Mighty Mouse 807-equipped radio power booster

Kägwerks ruggedized EUD case with Mighty Mouse 807 dongle

Ultralife lightweight wearable battery with Mighty Mouse 807 panel mount receptacle

STAR-PAN VI the worldwide JTAC open-system standard for power and data hubs with Mighty Mouse 807 QDC connectors
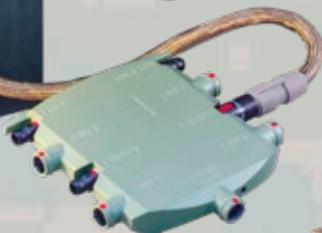
Inventus Lithium Ion conformal battery with plug-and-play Mighty Mouse 807 receptacle connector

Juggernaut.Case ruggedized EUD assembly with Mighty Mouse 807 dongle
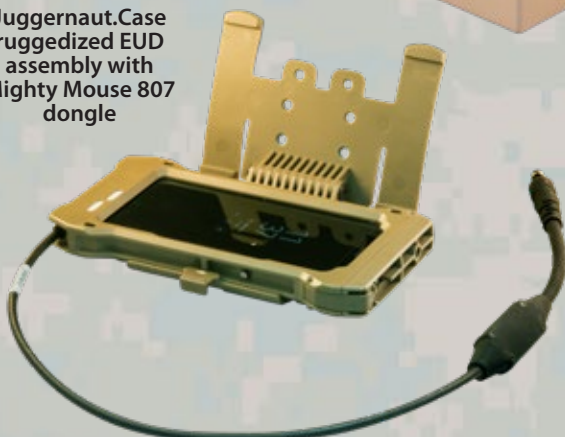
BB-2590 /BA-5590 standard soldier battery with Mighty Mouse 807 power adapter

TacROVER-e video downlink receiver with Mighty Mouse high-speed I/O connector and STAR-PAN interface cable

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Hubs, cables, adapters, and accessories

STAR-PAN HUBS: SCALABLE MULTIPORT POWER AND DATA HUBS

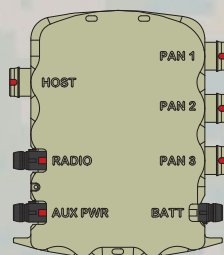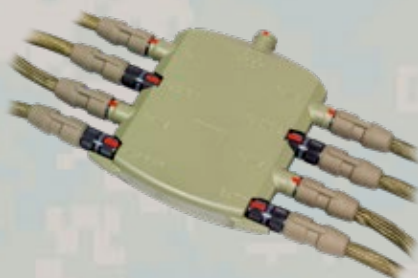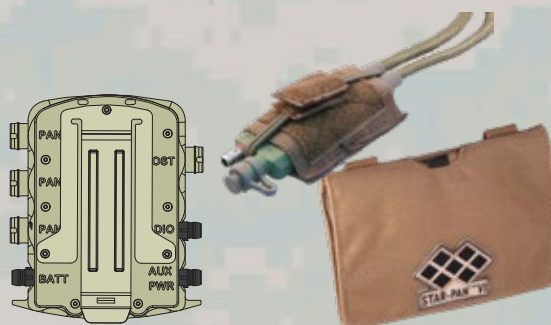| Part No.	Description	Electrical Function	Weight	IP Rating	Protocol	ECCN / EAR	Page No.
808-054 **808-058**	STAR-PAN Light bifurcated cable (battery plug / RADIO plug cable ends or battery plug / PAN receptacle cable ends)	Power + Data	122g	IP67	USB1.1 USB2.0	3A611.x	14
TS2-004	**STAR-PAN I**, with optional MOLLE clip	Power + Data	(consult factory)	IP67	USB1.1 USB2.0	3A611.x	16
808-057	**STAR-PAN II** hub / cable assembly, with optional MOLLE pouch and MOLLE clip	Power + Data	245g	IP67	USB1.1 USB2.0 SMBus	3A611.x	16
808-194	**STAR-PAN II** connectorized hub, with optional MOLLE pouch and MOLLE clip	Power + Data	170g	IP67	USB1.1 USB2.0 SMBus	3A611.x	22
808-273	**STAR-PAN IV**, with optional MOLLE pouch and MOLLE clip	Power + Data	(consult factory)	IP67	USB1.1 USB2.0 SMBus	3A611.x	28
808-037	**STAR-PAN VI**, with optional MOLLE pouch and MOLLE clip	Power + Data	337g	IP67	USB1.1 USB2.0 SMBus	3A611.x	30

STAR-PAN™ Light

STAR-PAN™ I

STAR-PAN™ II
Hub / Cable Assembly and Connectorized Hub

STAR-PAN™ IV

STAR-PAN™ VI

MOLLE Pouches and Clips available for STAR-PAN II, IV, and VI hubs

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GENERAL PURPOSE STAR-PAN CABLES

Part No.	Description	Electrical Function	Weight	Standard Length	Cable Finish	ECCN / EAR	Page No.
808-047	General-Purpose STAR-PAN cable (for use with all Mighty Mouse 807-equipped adapter cables, EUDs, batteries, and peripherals)	Power + Data	50g	24"	Black Santoprene or Nomex, O.D.	3A611.x	23, 29, 35
808-081	STAR-PAN II Expansion Cable	Power + Data	56g	8"	Black Santoprene	3A611.x	23
808-095	90° Exit Cable (with 90° plug)	Power + Data	20g	6"	Nomex, O.D.	3A611.x	36
808-244	90° Exit Cable (with 90° receptacle)	Power + Data	20g	6"	Nomex, O.D.	3A611.x	37
808-129	Plug flying lead assembly	Power + Data	65	24	Black Santoprene	99	38
808-130	Receptacle flying lead assembly	Power + Data	65	24	Black Santoprene	99	39

**General-Purpose
STAR-PAN Cable**

**Expansion Cable for
STAR-PAN II power/data hub**

STAR-PAN MISSION MANAGER

Part No.	Description	Electrical Function	Weight	IP Rating	Protocol	ECCN / EAR	Page No.
TS2-002	STAR-PAN MISSION MANAGER	Host Datalink Manager	90g	IP67	USB1.1 / USB2.0 SMBus Ethernet	99	40

**STAR-PAN™ MISSION MANAGER
Plug-and-play EUD/USB peripheral
exchange device**

STAR-PAN RADIO CABLES AND ADAPTERS

Part No.	Description	Electrical Function	Weight	Standard Length	Cable / Device Finish	ECCN / EAR	Page No.
808-032	AN/PRC-152A Radio Adapter	Power + Data	116g	24"	Nomex, O.D.	3A611.x	43
808-156	AN/PRC-152A Radio Adapter (PAN Port)	Power + Data	(consult factory)	20"	Nomex, O.D.	3A611.x	44
808-051	AN/PRC-154 Rifleman Radio Adapter	Power + Data	(consult factory)	N/A	Black Zinc-Nickel	3A611.x	45
808-039	AN/PRC-148 JEM Radio Adapter	Power + Data	122g	20"	Nomex, O.D.	3A611.x	46
808-132	Elbit PNR 1000 Radio Adapter	Data	80g	21"	Santoprene, Black	3A611.x	47
808-044	Raytheon RT-1922 Microlight SADL Radio Cable	Power + Data	60g	24"	Nomex, O.D.	3A611.x	48
808-158	Harris RF-7850S-TR Radio Cable	Data	75g	18"	Santoprene, Black	3A611.x	49
808-257	Harris RF-7800S Radio Cable	Data	(consult factory)	32"	Nomex, O.D.	3A611.x	50
808-148	Harris RF-7800S Radio Cable (Radio Host)	Data	74g	32"	Nomex, O.D.	3A611.x	51
808-166	AN/PRC-161 BATS-D Radio Adapter	Power + Data	166g	20"	Nomex, O.D.	3A611.x	52
808-235	AN/PRC-161 BATS-D Radio Adapter (PAN Port)	Power + Data	115g	20"	Nomex, O.D.	3A611.x	53
808-087	AN/PRC-117F Radio Cable (PAN Port)	Data	(consult factory)	36"	Santoprene, Black	3A611.x	54
808-035	AN/PRC-117G Radio Cable	Power + Data	90g	32"	Nomex, O.D.	3A611.x	55
808-088	AN/PRC-117G Radio Cable (PAN Port)	Data	90g	32"	Nomex, O.D.	3A611.x	56
TS8-402 TS8-416	AN/PRC-163 Radio Adapter (PAN Port)	Power + Data	80g	N/A	Nomex, O.D.	3A611.x	57

AN/PRC-152A Radio Adapter Cable

AN/PRC-117G / RF-7800M-MP / RF7800H-MP Radio Adapter Cable

RT-1922 Microlight SADL Radio Data Cable

STAR-PAN POWER CABLES AND BATTERY ADAPTERS

Part No.	Description	Electrical Function	Weight	Standard Length	Cable / Device Finish	ECCN / EAR	Page No.
808-048	BA5590/BB2590 Battery Shoe	Power	96g	N/A	Black Zinc-Nickel	3A611.x	59
808-242	BB2590 Battery Adapter w/ Charging + SMBus	Power	286g	N/A	Olive Drab Green	99	60
808-133	BT-70838 BE Battery Connector	Power	76g	21"	Santoprene, Black	3A611.x	61
808-066	Battery Shoe for Handheld Radios	Power	70g	N/A	Black Zinc-Nickel	3A611.x	62
808-063	Power Booster	Power	172g	N/A	Santoprene, Black	3A611.x	63
808-059	Cigarette Lighter Power Adapter Cable	Power	84g	72"	Santoprene, Black	3A611.x	64
808-064	AC/DC Power Adapter Cable	Power	590g	110"	Santoprene, Black	3A611.x	65

BA5590/ BB2590 Battery Shoe

Radio Power Booster For Harris, L3, Silvus, and other radios

Conformal Battery Adapter Cable

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STAR-PAN TARGETING CABLES AND ADAPTERS

Part No.	Description	Electrical Function	Weight	Standard Cable Length	Cable Finish	ECCN / EAR	Page No.
808-041	Vector 21 / 23B Cable	Data	205g	54"	Santoprene, Black	3A611.x	67
808-049	PLRF 15C / 25C Cable	Data	76g	45"	Santoprene, Black	3A611.x	68
808-238	PLRF 15C / 25C Cable (EUD)	Data	76g	45"	Santoprene, Black	3A611.x	69
808-212	STERNA True North Finder (TNF) cable	Data + Power	110g	24"	Santoprene, Black	3A611.x	70
808-241	JIM-LR with STERNA Cable	Data + Power	235g	48"	Santoprene, Black	3A611.x	71
808-246	JIM-LR Cable	Data + Power	235g	24"	Santoprene, Black	3A611.x	72
808-219	JIM Compact Cable	Data + Power	115g	40"	Santoprene, Black	3A611.x	73
808-217	Moskito TI with STERNA Cable	Data + Power	(consult factory)	40"	Santoprene, Black	3A611.x	74
808-218	Moskito TI Cable	Data + Power	150g	24"	Santoprene, Black	3A611.x	75
808-251	Moskito TI RS-232 to USB Converter Cable	Data + Power	59g	24"	Santoprene, Black	3A611.x	76

Safran Vectronix Vector 21/21B and Moskito Data Cable

PLRF 15C/25C Laser Range Finder Cable

Safran Vectronix STERNA TNF Data Cable

VIDEO / GPS POWER AND DATA CABLES

Part No.	Description	Electrical Function	Weight	Standard Cable Length	Cable Finish	ECCN / EAR	Page No.
808-040	DAGR GPS Cable	Data + Power	104g	32"	Nomex, O.D.	3A611.x	78
808-045	TacROVER-p SIR 2.0 Cable	Data + Power	104g	32"	Nomex, O.D.	3A611.x	79
808-068	TacROVER-p SIR 2.5 Cable	Data	(consult factory)	6"	Nomex, O.D.	3A611.x	80
808-043	TacROVER-p SIR 2.5 Video Cable	Data	70g	24"	Nomex, O.D.	3A611.x	81
808-082	TacROVER-e SIR 2.5 Cable	Data + Power	(consult factory)	33"	Nomex, O.D.	3A611.x	82
808-067	TacROVER-p SIR 2.5 Cable	Data + Power	106g	33"	Nomex, O.D.	3A611.x	83
808-267	TacROVER-e SIR 2.5 Cable	Data	70g	33"	Nomex, O.D.	3A611.x	84
808-152	TacROVER-p SIR 2.5 with TAC-EYE Cable	Data + Power	108g	24"	Nomex, O.D.	3A611.x	85
808-117	Tactical Net Rover Cable	Data	108g	24"	Santoprene, Black	3A611.x	86
808-151	Tactical Net Rover Cable	Data + Power	112g	24"	Nomex, O.D.	3A611.x	87
TS8-404	Tactical Net Rover Cable with TAC-EYE Adapter	Data + Power	(consult factory)	24"	Santoprene, Black	3A611.x	88
808-224	StrikeHawk Digital Cable	Data	100g	24"	Nomex, O.D.	3A611.x	89

DAGR GPS Navigation Cable

StrikeHawk Digital Adapter Cable

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STAR-PAN-TO-HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

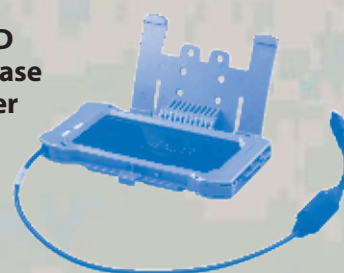| Part No.	Description	Electrical Function	Weight	Standard Length	Cable / Device Finish	ECCN / EAR	Page No.
808-101	Panasonic® Toughpad® FZ-M1/FZ-B2 Adapter	Data + Power	62g		Black Zinc-Nickel	3A611.x	91
808-103	Toughpad® FZ-M1/FZ-B2 Adapter with Cable	Data + Power	92g	12"	Santoprene, Black	3A611.x	92
808-092	Micro-B USB 2.0 Adapter Cable	Data + Power	26g	18"	Santoprene, Black	3A611.x	93
808-093	Micro-B USB 3.0 Adapter Cable	Data + Power	28g	18"	Santoprene, Black	3A611.x	94
808-135	USB-C Cable	Data	76g	21"	Santoprene, Black	3A611.x	95
808-232	USB-C Host Cable with Power Delivery	Data + Power	68g	24"	Santoprene, Black	99	96
808-281	Juggernaut USB-C Host Cable w/Power Delivery	Data + Power	72g	24"	Santoprene, Black	3A611.x	97
808-102	USB On-The-Go Cable	Data	62g	6"	Santoprene, Black	3A611.x	98
808-096, -160, -271	Host Mode OTG Adapters	Data + Power	8g		Black Zinc-Nickel	3A611.x	99
808-259	Gender Changer Adapter	Data + Power	11g		Black Zinc-Nickel	99	100

Kägwerks tactical EUD case with Adapter Cable

USB-C EUD Charging Cable

Tactical EUD Juggernaut.Case with Adapter Cable

Host Mode Adapters and Gender-Changers

Panasonic ToughPad® Adapter

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COMMERCIAL PROTOCOL CABLES, ADAPTERS, AND ACCESSORIES

Part No.	Description	Electrical Function	Weight	Standard Cable Length	Cable Finish	ECCN / EAR	Page No.
808-079	USB Type A Cable	Data + 5V Power	26g	18"	Santoprene, Black	3A611.x	102
808-145	USB Type A EUD Cable	Data + 5V Power	26g	18"	Santoprene, Black	3A611.x	103
808-053	PAN Port to USB-A Cable	Data + 5V Power	18g	5"	Santoprene, Black	3A611.x	104
808-111	USB On-The-Go Adapter Cable	Data + 5V Power	20g	5"	Santoprene, Black	3A611.x	105
808-233	USB-C Host to USB-A Cable with Power Delivery	Data + Power	(consult factory)	18"	TPE, Black	3A611.x	106
808-110	DB-9 RS-232 Cable	Data	88g	24"	Santoprene, Black	3A611.x	107
808-078	RJ45 Plug Cable	Data	80g	24"	Santoprene, Black	3A611.x	108
808-084	RJ45 Receptacle Cable	Data	94g	30"	Nomex, O.D.	3A611.x	109

USB-A host adapter cable (without power)

PAN device to USB-A Receptacle Adapter Cable

Ethernet converter cable, RJ45 receptacle

SOFT GOODS: MISSION KIT BAG AND POUCHES

Part No.	Description	Weight	Length	Material/Color	ECCN / EAR	Page No.
TS4-001	Mission Kit Bag	.9 lbs	L = 20" W = 14" D = 2.5"	Cordura/Black	99	110
TS4-002	Large Pouch	.18 lbs.	W = 18" H = 4"	Cordura/Black	99	111
TS4-003	Square Pouch	.9 lbs.	W = 10" H = 10"	Cordura/Black	99	111
TS4-004	Medium Pouch	.1 lbs.	W = 9.5" H = 5"	Cordura/Black	99	111

Large Pouch

Square Pouch

Medium Pouch

Mission Kit Bag

STAR-PAN™ Power Distribution and Management Architecture

Symbiotic radio / battery power utilization and management for JTAC and other battery-power-intensive mission profiles

Smart Power = Longer Missions and Lighter Loads

Board-level, embedded system power monitoring, conditioning and charging makes STAR-PAN the most powerful tool for extended mission life and operational effectiveness. *Smart power equals longer missions and lighter loads* by significantly reducing the number of batteries that must be carried by C4ISR-equiped soldiers. Available interconnect cabling and power adapter accessories facilitate accelerated charging of the EUD, radio and peripherals as well as power scavenging from conditioned DC power sources such as vehicles.

UNIVERSAL POWER AND DATA CONNECTOR INTERFACE

The STAR-PAN system uses Glenair Mighty Mouse 807 connectors which are fully-compliant to US and NATO standards for EUDs, radios, batteries, and C4ISR peripherals. Many soldier batteries can be directly connected to the STAR-PAN system without adapters using the general-purpose Mighty-Mouse equipped C1 cable.
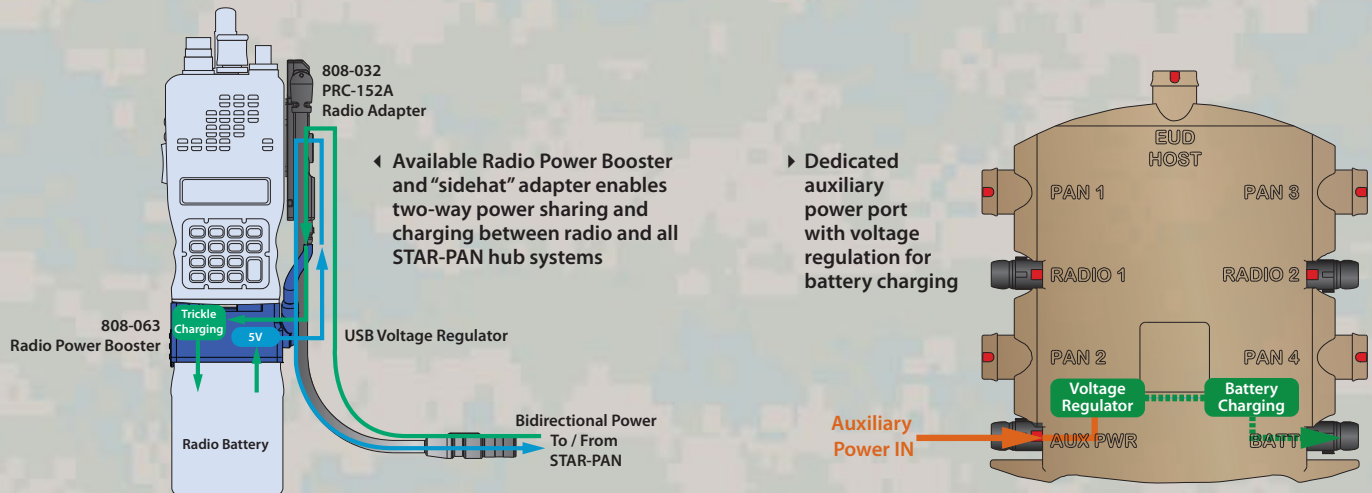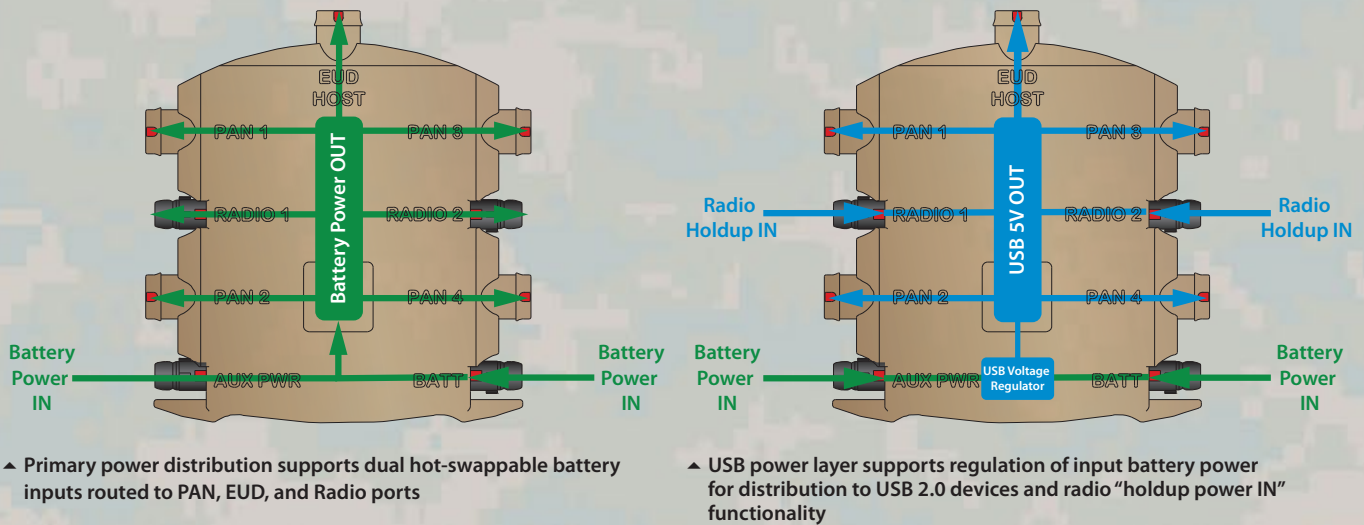
STAR-PAN EMBEDDED SYSTEM POWER MANAGEMENT

- **API interface for user-controlled power management**
- **Port priority, charge state, system battery state, and temperature protection**
- **Charge-circuitry for a wide range of smart batteries**

STAR-PAN POWER DISTRIBUTION / CHARGING ARCHITECTURE (STAR-PAN VI SYSTEM SHOWN)

EUD HOST
PAN 1 • PAN 3
RADIO 1 • RADIO 2
PAN 2 • PAN 4
Battery Power OUT
Battery Power IN
AUX PWR • BATT
Battery Power IN

▲ Primary power distribution supports dual hot-swappable battery inputs routed to PAN, EUD, and Radio ports

EUD HOST
PAN 1 • PAN 3
Radio Holdup IN • RADIO 1 • RADIO 2 • Radio Holdup IN
PAN 2 • PAN 4
USB 5V OUT
Battery Power IN
AUX PWR • USB Voltage Regulator • BATT
Battery Power IN

▲ USB power layer supports regulation of input battery power for distribution to USB 2.0 devices and radio "holdup power IN" functionality

808-032 PRC-152A Radio Adapter

◀ Available Radio Power Booster and "sidehat" adapter enables two-way power sharing and charging between radio and all STAR-PAN hub systems

808-063 Radio Power Booster
Trickle Charging
5V
USB Voltage Regulator
Radio Battery
Bidirectional Power To / From STAR-PAN

▶ Dedicated auxiliary power port with voltage regulation for battery charging

EUD HOST
PAN 1 • PAN 3
RADIO 1 • RADIO 2
PAN 2 • PAN 4
Voltage Regulator • Battery Charging
Auxiliary Power IN
AUX PWR • BATT

STAR-PAN POWER BOOSTER AND SUPPORTED BATTERIES

The STAR-PAN system utilizes the standard SMBus battery protocol for compatibility with a wide range of military standard batteries, and standards-compliant smart battery charging. Power scavenging is supported from a variety of sources. Trickle charging of radio batteries and radio holdup-to-hub is fully enabled with the STAR-PAN radio power booster.

808-063 Radio Power Booster for two-way power sharing

BB-2590 /BA-5590 batteries

Handheld radio batteries

Conformal wearable batteries

**Soldier smart batteries**

STAR-PAN™ Android / Windows Apps and ATAK Plug-In

User-controlled charging and battery power management touch-screen applications

STAR-PAN system software offers microprocessor-controlled power management as well as firmware-controlled power management via SPAR (STAR-PAN Android Remote) and WASP (Windows Application STAR-PAN) apps. These two open-system applications deliver seamless integration with Android- and Windows-based End User Devices.

An additional STAR-PAN app, the ATAK plug-in, integrates STAR-PAN battery and power management directly into ATAK (Android Tactical Assault Kit), the leading DACAS software application used by the JTAC community. Familiar touch-screen controls and easy-to-read graphical user interface allows soldiers in the field to quickly and easily view and manage port priority, charge state, and system battery state for the STAR-PAN system and all interconnected peripherals.
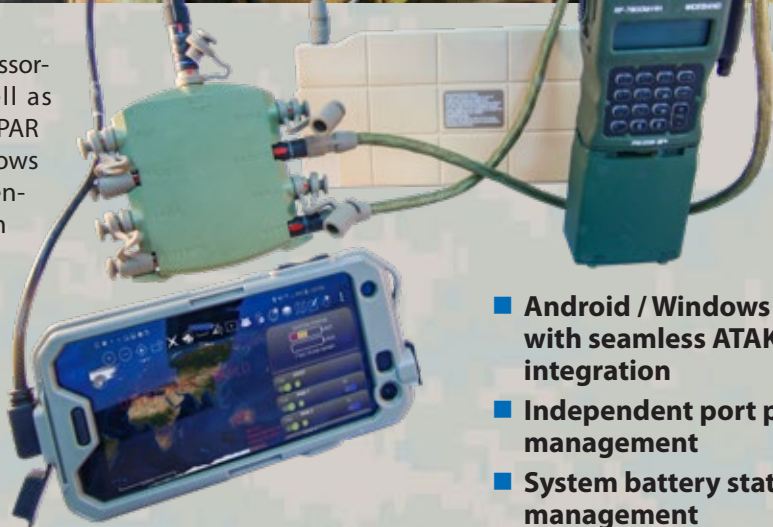
- **Android / Windows apps with seamless ATAK integration**
- **Independent port power management**
- **System battery state management**
- **API interface for software integration**
- **Power protection**

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*JTAC-TOUGH™*

STAR-PAN™

Android and Windows Power Management Apps and ATAK plug-in

STAR-PAN ANDROID REMOTE (SPAR) POWER MANAGEMENT APP

STAR-PAN power and data hubs may be supported with an Android-based power management app displaying system battery status and power usage by port/device. Touch-screen functionality allows user to easily turn power on and off to individual ports. Requires Android 4.4.4.

- **Root not required**
- **Supports multiple connections via Android API**
- **Power logging feature**
- **Available with all hubs**
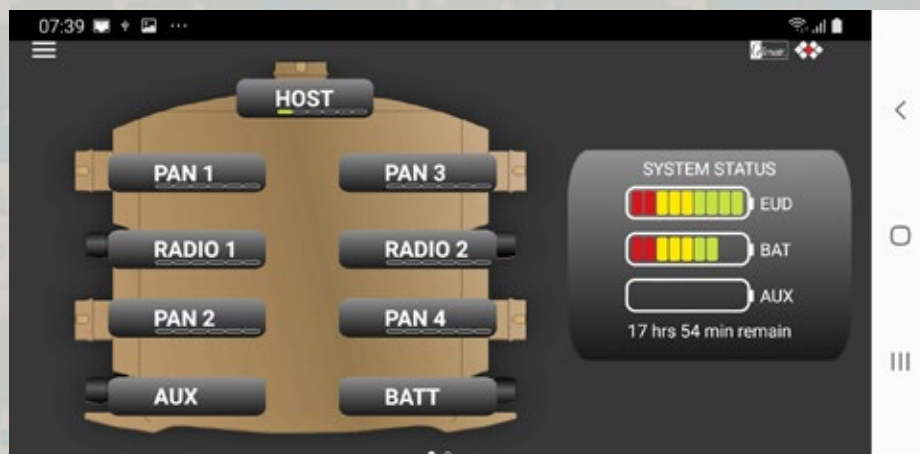
WINDOWS APPLICATION for STAR-PAN (WASP) POWER MANAGEMENT APP

For Windows-based End User Devices, the WASP power management app displays system battery status and power usage by port/device. Touch-screen functionality allows user to easily turn power on and off to individual ports.

- **Touchscreen and mouse compatible**
- **Enables power management from Windows devices**
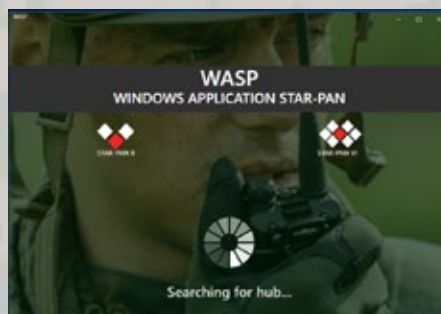
STAR-PAN ATAK PLUG-IN

A STAR-PAN power management system status plug-in is also available for Android Tactical Assault Kit (ATAK) software, which enables the user to quickly monitor hub and battery status without leaving the main ATAK application.

- **Available on request if not provided with ATAK build**
- **Works simultaneously with SPAR**
- **Allows for quick power management without switching applications**
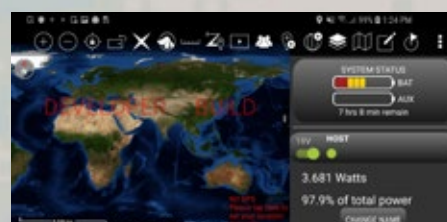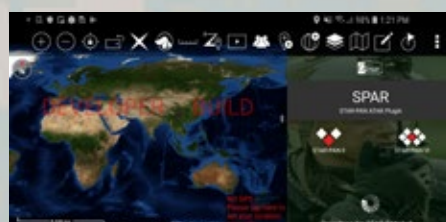
STAR-PAN™ Light

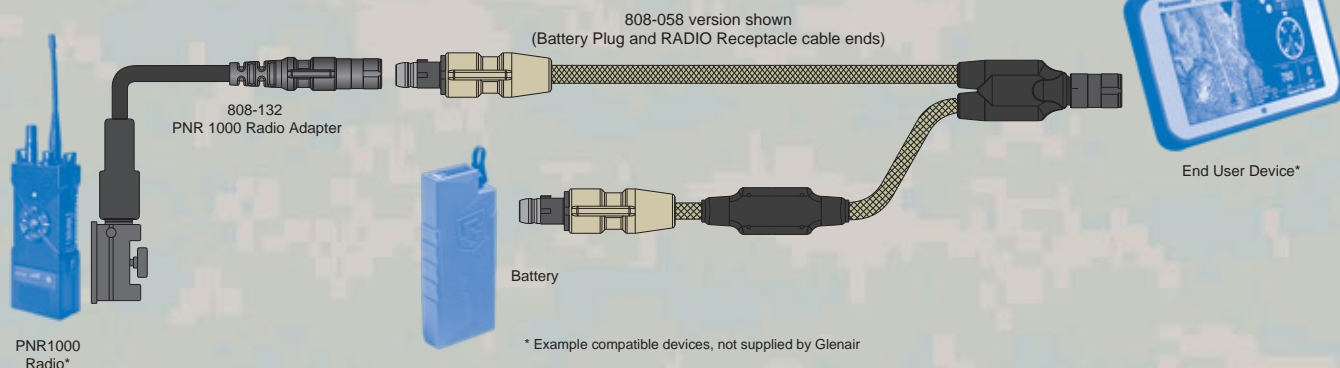## Enabling situational awareness, comms, and improved battery power autonomy for light dismounted infantry

FEATURES

- **Supports power and data connectivity between soldier's EUD, pDDL (or radio), plus battery**
- **5V regulator bifurcated cable optimized for plug-and-play connectivity to US- and NATO-standard devices**
- **Interconnect interface is Glenair Series Mighty Mouse (NATO STANAG 4695) quick-disconnect connectors**
- **Radio connectivity requires additional adapter cable**

STAR-PAN LIGHT CAPABILITY DIAGRAM

- **1 designated host / EUD port**
- **1 battery cable / port**

- **1 designated peripheral cable / port (expandable for radio use with adapter cable**

808-058 version shown
(Battery Plug and RADIO Receptacle cable ends)

808-132
PNR 1000 Radio Adapter

End User Device*

Battery

PNR1000
Radio*

* Example compatible devices, not supplied by Glenair

STAR-PAN™ Light

808-054
Bifurcated power and data cable with 5V regulator

OVERVIEW

The Glenair STAR-PAN™ Light is a lightweight bifurcated data and power cable, ruggedized for harsh environment dismounted soldier applications. The cable is compatible with USB1.1, USB2.0 (full and high-speed), and SMBus protocols and contains a single power port, EUD port, and single C4ISR peripheral port. For the standard dismounted soldier, STAR-PAN Light enhances soldier situational awareness and tempo on the battlefield while maintaining flexibility, scalability, interoperability and increased autonomy. All connector interfaces are compliant to the NATO STANAG 4695 standard for Soldier Power Connectors
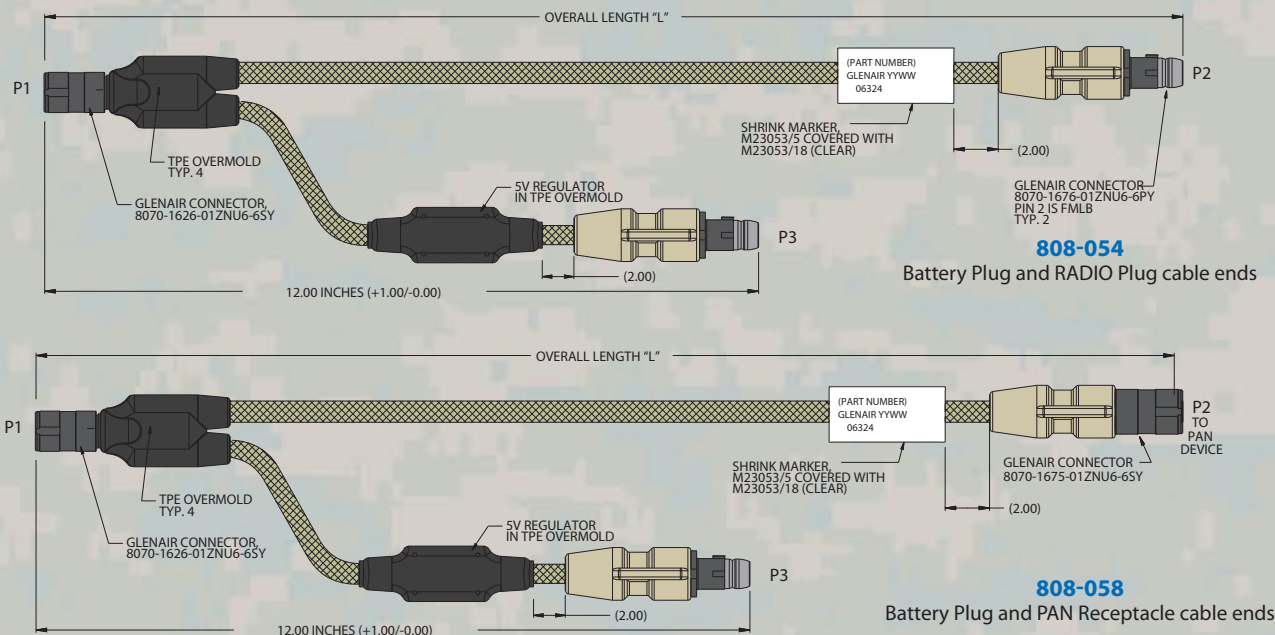
PAN APPLICATIONS

- **Dismounted infantry soldier situational awareness and battery management**
- **Fast-moving special operations forces communications and situational awareness**

HOW TO ORDER

Sample Part Number:	808	-054	-36
STAR-PAN Series	STAR-PAN Light bifurcated cable **808-054** = battery plug and RADIO plug ends **808-058** = battery plug and PAN receptacle ends		
Length Designator	In inches Omit for default length of 24.00"		

PERFORMANCE SPECIFICATIONS

Operating Conditions	
Storage Temperature	-40°C to +80°C
Operating Temperature	-32°C to +49°C
Operation Altitude	9754m
Storage Altitude	15240m
Water Immersion, Mated	MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant
Host & Pan	
Battery Voltage	10.0V to 20.0V, 14.8V typical
Battery Supply Current	3.5A Maximum per individual port
Battery Supply Total Current	5A total system
5VUSB Supply Voltage	4.75V to 5.1 V, 4.90V typical
5VUSB Supply Current	3A Maximum per individual port
USB +/USB -	-0.5V to +3.5V
Radio Port	
Battery Voltage	10.0V to 20.0V, 14.8V typical. Highest priority for power management
Battery Supply Current	5A maximum per individual port
+5V Back Up Supply Current	1.2A typical, 3A max, based on radio supply, radio 1 primary
+5V Back Up Supply Current	.5A per port
USB +/USB -	-0.5V to +3.5V
Battery Port	
Battery Input Voltage	10V to 20V
Battery Supply Current	5A maximum system supply current
SMBus Data	-0.5V to +3.5V, P5 only

808-054
Battery Plug and RADIO Plug cable ends

808-058
Battery Plug and PAN Receptacle cable ends

STAR-PAN™ I

Enabling enhanced situational awareness, comms, and improved battery power autonomy for light dismounted infantry
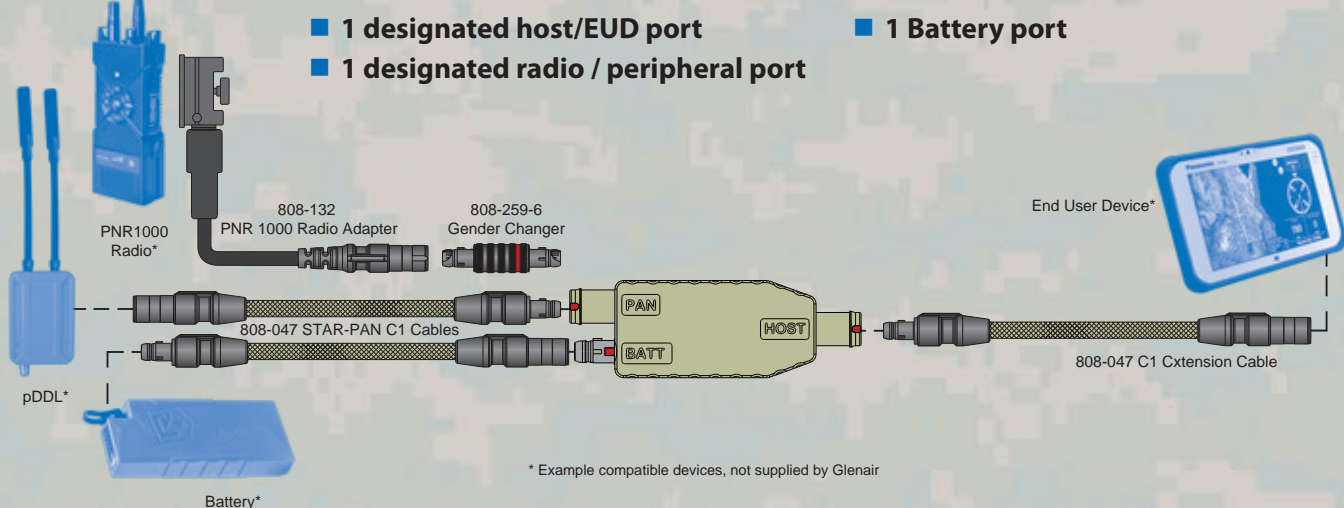
FEATURES

- Supports power and data connectivity between soldier's EUD, radio or pocket Digital Data Link (pDDL), plus battery
- 5V regulated hub optimized for plug-and-play connectivity to US- and NATO-standard devices
- Interconnect interface is Glenair Series Mighty Mouse (NATO STANAG 4695) quick-disconnect connectors
- All cables supplied separately for optimal configuration flexibility

STAR-PAN I CAPABILITY DIAGRAM

- 1 designated host/EUD port
- 1 designated radio / peripheral port
- 1 Battery port

PNR1000 Radio*

808-132 PNR 1000 Radio Adapter

808-259-6 Gender Changer

End User Device*

808-047 STAR-PAN C1 Cables

PAN

HOST

BATT

808-047 C1 Cxtension Cable

pDDL*

Battery*

* Example compatible devices, not supplied by Glenair

STAR-PAN™ I

TS2-004
## 1 port smart power and data hub with 5V regulator

OVERVIEW

The Glenair STAR-PAN™ Light is a lightweight data and power hub, ruggedized for harsh environment dismounted soldier applications. The hub is compatible with USB1.1, USB2.0 (full and high-speed), and SMBus protocols and contains a single power port, EUD port, and single C4ISR peripheral port. For the standard dismounted soldier, STAR-PAN Light enhances soldier situational awareness and tempo on the battlefield while maintaining flexibility, scalability, interoperability and increased autonomy. All connector interfaces are compliant to the NATO STANAG 4695 standard for Soldier Power Connectors. Recommended: general-purpose C1 cable for EUD, battery, and peripheral connectivity.

PAN APPLICATIONS

- **Dismounted infantry soldier situational awareness and battery management**
- **Fast-moving special operations forces communications and situational awareness**

MOLLE ATTACHMENT
Part No. TS2-004-MC
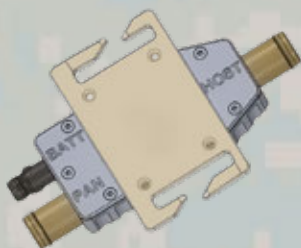
Hub supplied with MOLLE clip attachment

HOW TO ORDER

Sample Part Number:	TS2-004
Connectorized Hub	STAR-PAN I power and data hub

STAR-PAN IV PORT CONFIGURATION

EUD	1
RADIO	0
PAN	1
POWER	1

PERFORMANCE SPECIFICATIONS (preliminary)

Operating Conditions	
Storage Temperature	-40°C to +80°C
Operating Temperature	-32°C to +49°C
Operation Altitude	9754m
Storage Altitude	15240m
Water Immersion, Mated	MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant
Host & Pan	
Battery Voltage	10.0V to 20.0V, 14.8V typical
Battery Supply Current	3.5A Maximum
5VUSB Supply Voltage	4.75V to 5.1 V, 4.90V typical
5VUSB Supply Current	2A Maximum
USB +/USB -	-0.5V to +3.5V
Battery Port	
Battery Input Voltage	10V to 20V
Battery Supply Current	5A maximum system supply current
SMBus Data	-0.5V to +3.5V, P5 only
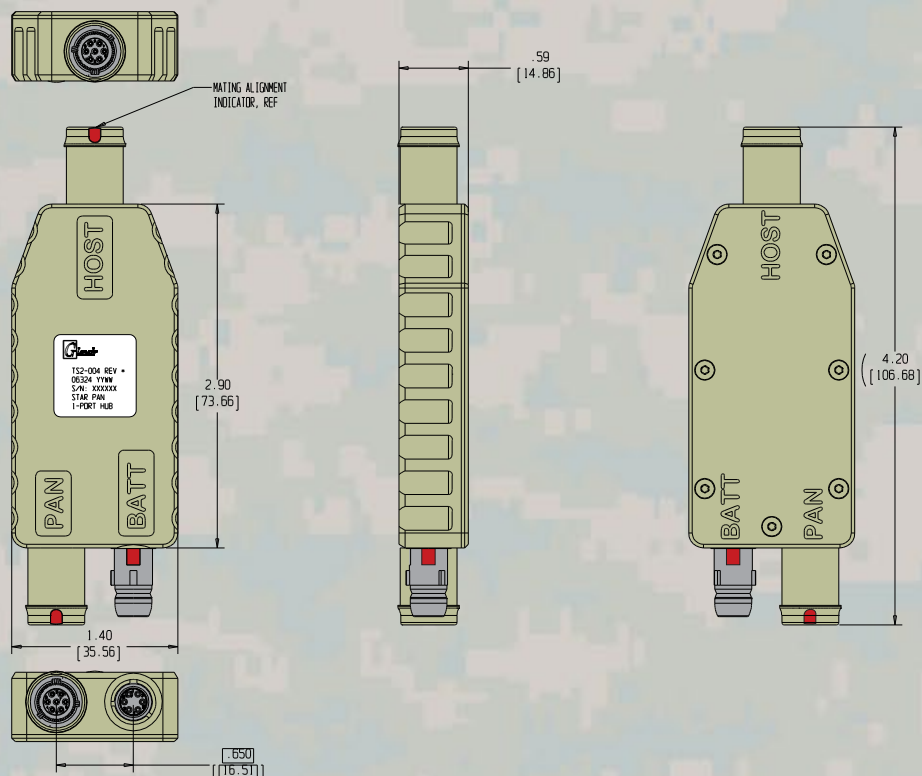
STAR-PAN™ II

Integrated USB data/power distribution hub for fast-moving special operation forces and small-squad team leaders

Mission flexibility is key in meeting the warfighter's ever-evolving duties in the field. The STAR-PAN™ II USB data/power hub is designed for just the most core C4ISR capabilities including End User Device (EUD) integration, radio comm support, video downlink (Rover) as well as robust management of battery and auxiliary power sources. Two versions are available: a pre-cabled hub assembly with integrated EUD and power cables equipped with NATO STANAG 4695 standard connectors; and a connectorized hub, ready for configuration with customer-specified cables and adapters.

KEY FEATURES/BENEFITS

- **Provides battery power and +5VBus power via 2 cabled power input ports for extended missions or battery hot swap**
- **Supports soldier EUD/Host, Radio, and up to 2 USB peripheral devices (with bifurcated 808-081 cable for 2nd device)**
- **SMBus, USB2.0 (full and high-speed), USB1.1 compatible interface**
- **Power monitoring and management for each voltage rail and port**
- **Compatible Personal Area Network (PAN) pin configuration and Smart Battery interface**
- **Built-in SMBus to USB converter to USB host devices**

FEATURES

- **STAR-PAN II 808-057 with integrated cables, or 808-194 standard hub**
- **Designated host/EUD port, designated radio/peripheral port, and Universal PAN compliant port (expandable for up to two devices)**
- **Supports hot-swappable power sources and radio-supplied backup power**
- **Heat-efficient electronics packaging to optimize efficiency and extend battery life**

PAN APPLICATIONS

- **Dismounted infantry soldier situational awareness and battery management**
- **Fast-moving special operations forces communications and situational awareness**
- **Fire rescue field communications and logistics**
- **Underground, highwall, and surface mining wireless communications**

STAR-PAN™ II

808-194 / 808-057
2 port (expandable) power and data hub / cabled hub assembly

STAR-PAN™

OVERVIEW

The Glenair STAR-PAN™ II Hub is a lightweight, durable, compact data and power distribution hub, ruggedized for harsh environment dismounted soldier applications. STAR-PAN II provides a data backplane for up to 3 USB devices with power monitoring and management for connected external peripherals, radio, and the soldier's EUD/Host. STAR-PAN II is compatible with USB1.1, USB2.0 (full and high-speed), and SMBus protocols, and incorporates dual power input ports for extended missions or battery substitution, minimizing down time. All connector interfaces are compliant to the NATO STANAG 4695 standard for Soldier Power Connectors. Recommended: general-purpose C1 cable for EUD, battery, and peripheral connectivity.

PERFORMANCE SPECIFICATIONS

Operating Conditions	
Storage Temperature	-40°C to +80°C
Operating Temperature	-32°C to +49°C
Operation Altitude	9754m
Storage Altitude	15240m
Water Immersion, Mated	MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant
Host & Pan	
Battery Voltage	10.0V to 20.0V, 14.8V typical
Battery Supply Current	3.5A Maximum per individual port
Battery Supply Total Current	5A total system
5VUSB Supply Voltage	4.75V to 5.1 V, 4.90V typical
5VUSB Supply Current	3A Maximum per individual port
USB +/USB -	-0.5V to +3.5V
Radio Port	
Battery Voltage	10.0V to 20.0V, 14.8V typical. Highest priority for power management
Battery Supply Current	5A maximum per individual port
+5V Back Up Supply Current	1.2A typical, 3A max, based on radio supply, radio 1 primary
+5V Back Up Supply Current	.5A per port
USB +/USB -	-0.5V to +3.5V
Battery Port	
Battery Input Voltage	10V to 20V
Battery Supply Current	5A maximum system supply current
SMBus Data	-0.5V to +3.5V, 808-194 P5 only

HOW TO ORDER

Sample Part Number:	808-194
STAR-PAN Hub	STAR-PAN II 2 port power/data hub
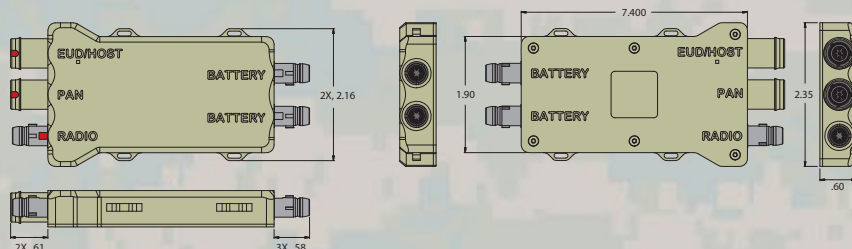
STAR-PAN II PORT CONFIGURATION

EUD	1
RADIO	1
PAN	1
POWER	2

Both versions of STAR-PAN II provide identical capabilities. Hub-only version is designed more for users with unique EUD or battery-power configuration requirements. All cables supplied separately.

HOW TO ORDER: HUB / CABLE ASSEMBLY VERSION

Sample Part Number:	808-057
Hub with Integrated Cables	STAR-PAN II 2 port power/data hub with integrated cables
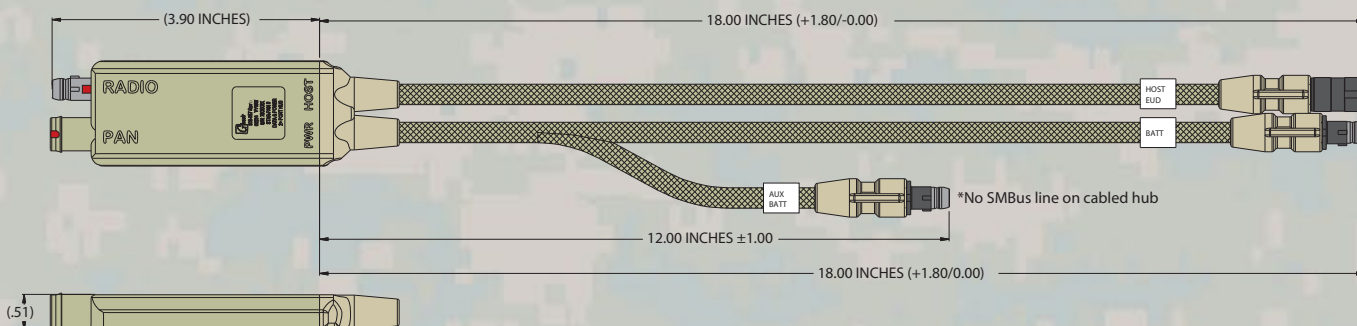
*No SMBus line on cabled hub

STAR-PAN™ II

808-057 and 808-194 Configuration diagram
2 port (expandable) power and data system

STAR-PAN™

STAR-PAN™ HUBS

STAR-PAN II CAPABILITY DIAGRAM

- Universal PAN compliant ports (up to two devices)
- 1 designated host/EUD port
- 1 designated radio peripheral port
- 1 expandable PAN port for up to two USB peripherals
- Hot-swappable power sources
- Radio-supplied backup power
- Glenair power port management

- Across-the-board support for all soldier radio types:
  - L3HARRIS [AN/PRC-117G, AN/PRC-152A]
  - THALES [AN/PRC-154 Rifleman, AN/PRC-148 JEM]
  - Domo Tactical Communications (DTC) [SOL8SDR-H]
  - ELBIT [PNR-1000, MCTR-7200HH]
  - Silvus Technologies [SC4200, SC4400]
  - Bittium [Tough SDR Handheld™]
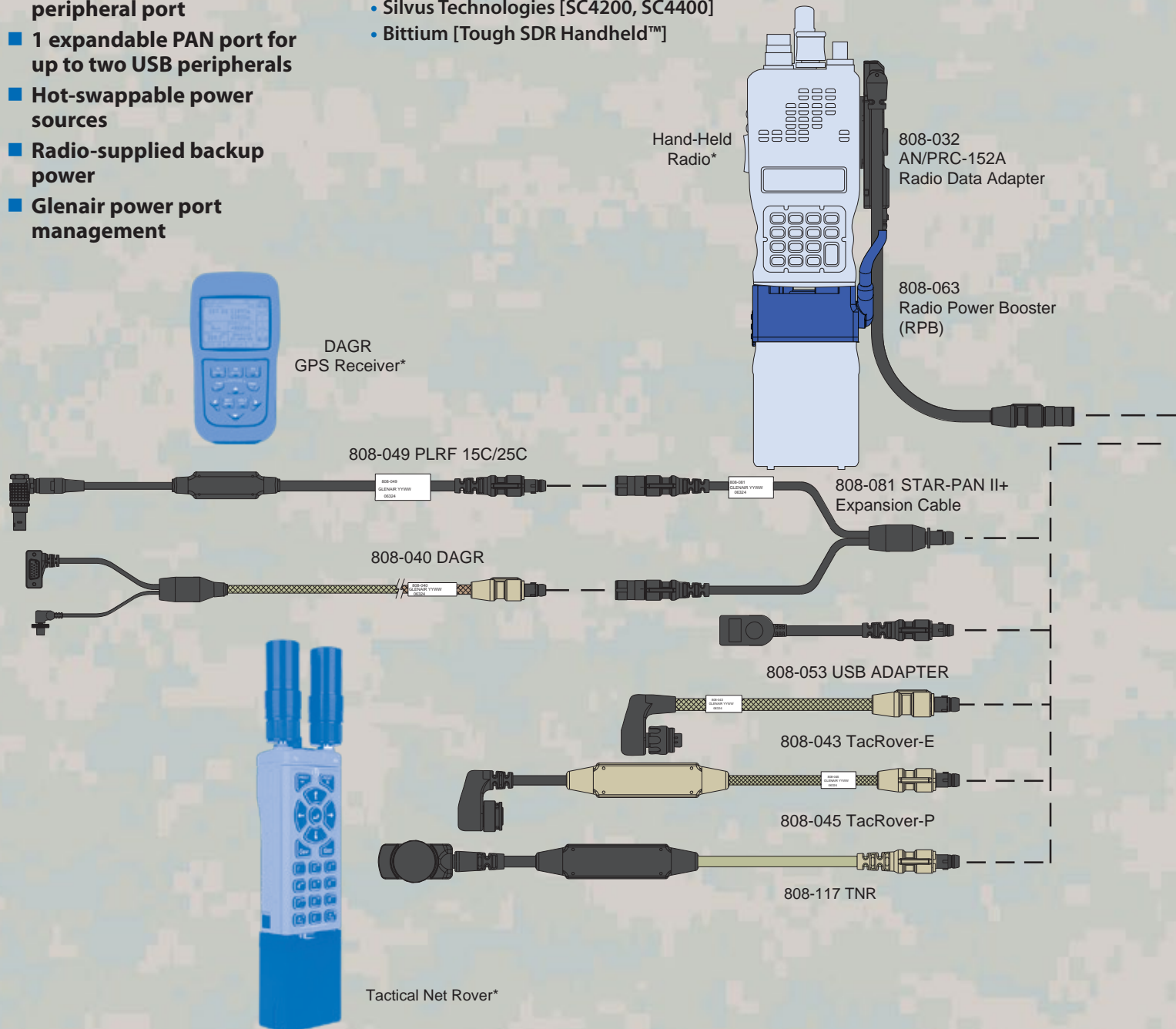
Hand-Held Radio*

808-032 AN/PRC-152A Radio Data Adapter

808-063 Radio Power Booster (RPB)

DAGR GPS Receiver*

808-049 PLRF 15C/25C

808-049 GLENAIR YYWW 06324

808-081 GLENAIR YYWW 06324

808-081 STAR-PAN II+ Expansion Cable

808-040 DAGR

808-040 GLENAIR YYWW 06324

808-053 USB ADAPTER

808-043 GLENAIR YYWW 06324

808-043 TacRover-E

808-045 GLENAIR YYWW 06324

808-045 TacRover-P

808-117 TNR

Tactical Net Rover*

STAR-PAN™ II

808-057 and 808-194 Configuration diagram
2 port (expandable) power and data system

GLENAIR STAR-PAN TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

STAR-PAN Component Description	Part Number
STAR-PAN II Multiport USB and Power Distribution Hub	808-057
STAR-PAN Expansion Cable	808-081
PRC 152A Radio Data Adapter	808-032
DAGR GPS/Navigation Cable	808-040
PLRF 15C/25C Laser Range Finder Cable	808-049
TacROVER-p SIR 2.0 ISR Receiver Cable	808-045
TacROVER-e ISR Receiver Cable	808-043
Tactical Net Rover ISR Receiver Cable	808-117
USB 2.0 Adapter Cable	808-053
Hand-Held Radio Battery Shoe	808-066
BA5590/BB2590 Battery Shoe	808-048
Radio Power Booster	808-063

End User Device*

STAR-PAN II Hub 808-194

808-047 STAR-PAN C1 Cable X3

To EUD

To Batteries

STAR-PAN II Hub
808-057
Integrated Cable Version

HOT SWAPPABLE
BATTERY CONNECTIONS

808-066 Battery Shoe
for Harris and Bren-Tronics
Handheld Radios

808-048 Battery Shoe
for BA5590 / BB2590
Batteries

808-242
Charging Battery Adapter
for BB2590 Batteries

Conformal Wearable Battery*
(direct connection, no adapter required)
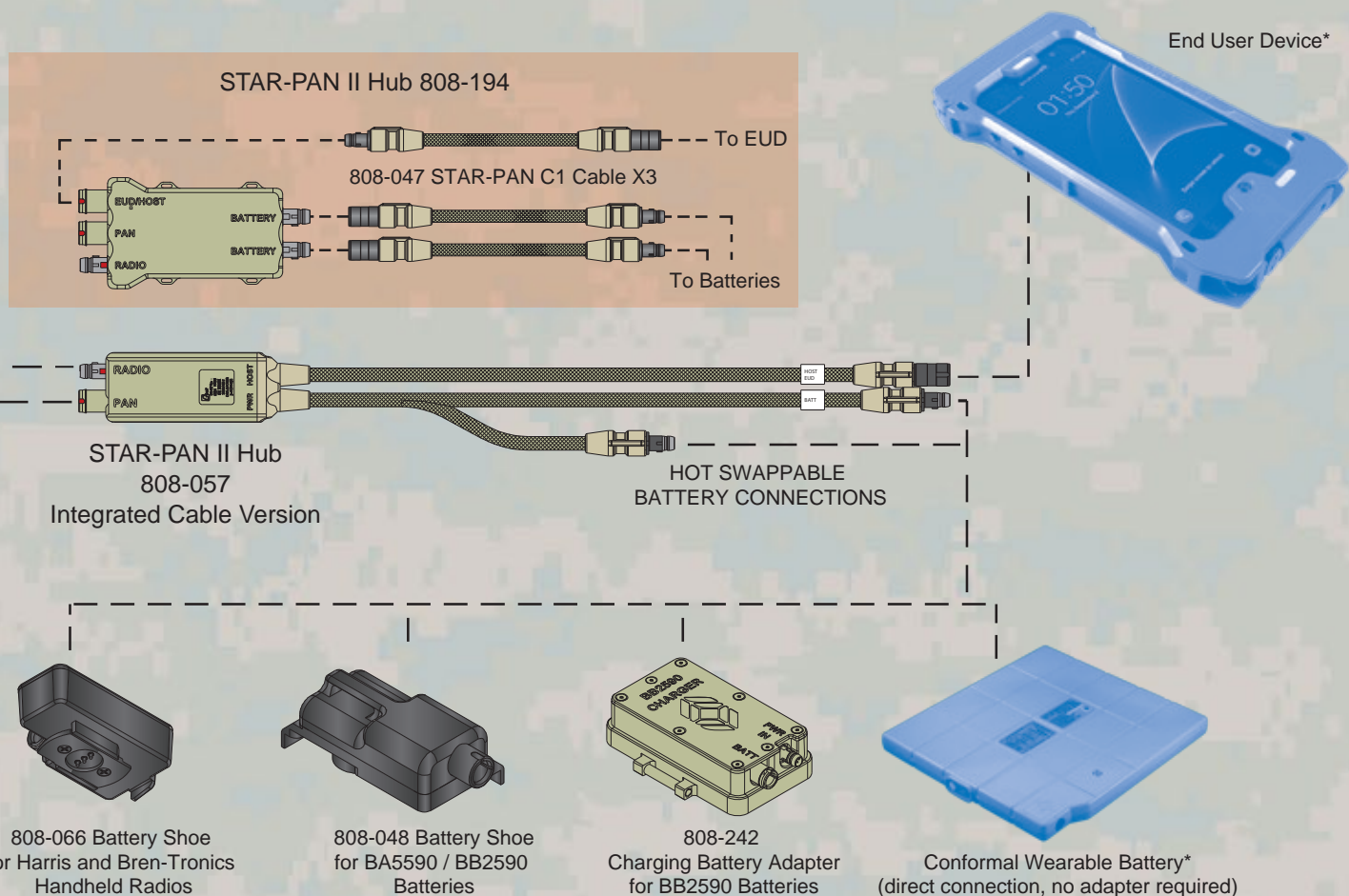
* Example compatible devices, not supplied by Glenair

* Example compatible devices, not supplied by Glenair

Dimensions are subject to change without notice.

STAR-PAN™ II

STAR-PAN II accessories
MOLLE pouch and clip

**STAR-PAN II
MOLLE pouch**

MOLLE POUCH SPECIFICATIONS

- Desert tan Cordura
- Single-button snap-lock for mounting on MOLLE loops
- Front loop Velcro securely retains STAR-PAN II hub

HOW TO ORDER FOR INTEGRATED CABLE HUB	
Sample Part Number:	**TS4-010**
STAR-PAN accessory	STAR-PAN II MOLLE pouch

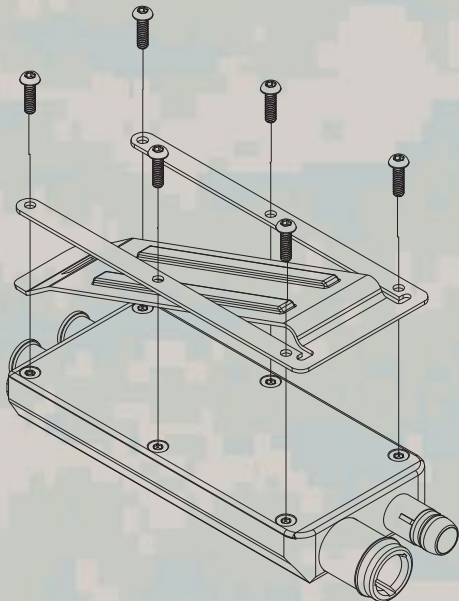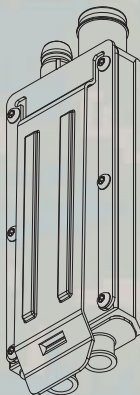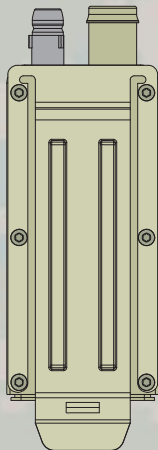**USE WITH STAR-PAN II FOR SECURE
ATTACHMENT TO MOLLE GEAR**

MOLLE CLIP SPECIFICATIONS

- Factory-installed clip for attachment of 808-194 STAR-PAN II hubs to MOLLE gear

HOW TO ORDER		
Sample Part Number:	**TS4**	**-007**
STAR-PAN accessory	STAR-PAN II MOLLE clip	
Hub specifier	**-007** = 808-194 hub **-006** = 808-057 hub with integrated cables	

STAR-PAN™ II

808-047 General-Purpose STAR-PAN Cable
808-081 STAR-PAN II expansion cable

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI STANDARD CABLE FOR USE WITH ALL MIGHTY MOUSE 807-EQUIPPED ADAPTER CABLES, EUDs, BATTERIES, AND PERIPHERALS

LENGTH TOLERANCE:
+.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

SPECIFICATIONS

- Olive drab Nomex® braided cable, or black Santoprene-jacketed cable
- Overmolded, ergonomic connector strain reliefs, desert tan or black
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 24" cable: 50g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-047		-36
Cable Series	General-Purpose STAR-PAN cable		
Cable Jacket Option	**-S** = Black Santoprene Jacket		
	Omit for standard Olive Drab Nomex		
Length Designator	In inches. Omit for default length of 24.00"		

SPECIFICATIONS

- Santoprene-jacketed cable, black
- TPE overmolded, ergonomic connector strain reliefs
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 8" cable: 56g
- Export classification: ECCN 3A611.x

DESIGNED FOR STAR-PAN II. EXPANDS PAN PORT TO UTILIZE TWO USB PERIPHERAL DEVICES
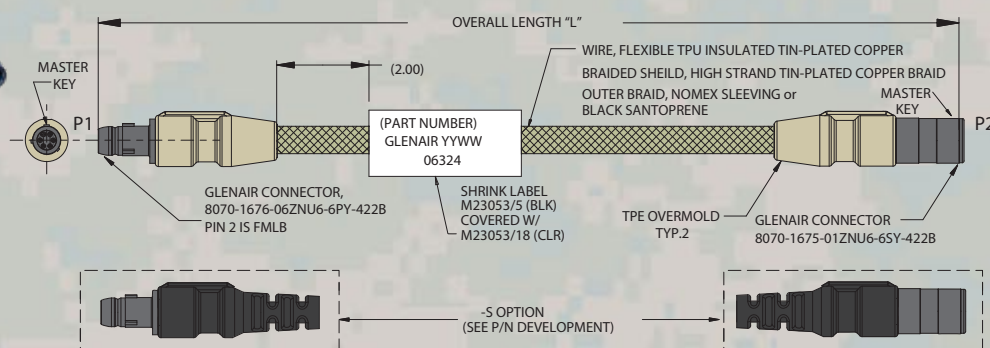
LENGTH TOLERANCE:
+.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

HOW TO ORDER

Sample Part Number:	808-081	
Cable Series	STAR-PAN II Expansion Cable	
Length Designator	In inches (minimum 6.00") Omit for default length of 8.00"	
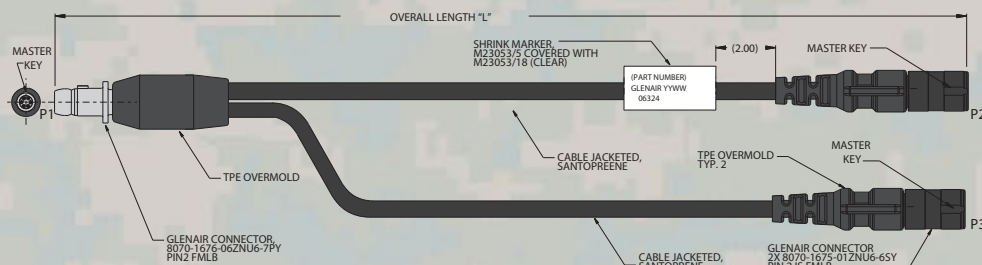
STAR-PAN™ IV

Integrated USB data/power distribution hub for ground force commanders, UAS and UGV controllers, and other complex tactical mission specialists

KEY FEATURES/BENEFITS

- Battery Power and +5VBus power to up to 4 USB devices, 2 dedicated Radio ports
- Robust fault mode protection circuitry for surge, reverse voltage, and over current
- Embedded level 3 charge control circuitry for smart battery interface, within a wide charge voltage range
- Compatible with DC power sources
- APS port for system power and main system battery charging on extended missions
- Radio Port Vbus System Hold Up for extended mission time and weight reduction
- Compatible Personal Area Network (PAN) pin configuration and Smart battery interface
- Built-in SMBus to USB converter to USB host device

FEATURES

- 1 designated host/EUD port
- 1 designated radio peripheral port
- 3 PAN receptacles for up to four peripherals
- Battery and auxiliary power source input
- Glenair power port management
- Radio-supplied backup power
- Smart battery charging from auxiliary power
- Up to 5A battery power per port, 5A system total
- Up to 3A 5 Volt VBUS power per port, 5A system total
- Brazed construction, integrated connectors
- Heat-efficient electronics packaging to optimize efficiency and extend battery life

JTAC-TOUGH™

STAR-PAN™ IV

808-273
4 port smart power and data hub system

OVERVIEW

The Glenair STAR-PAN™ IV Hub is a lightweight, durable, compact data and power distribution hub, ruggedized for harsh environment dismounted soldier applications. The connectorized hub provides a data backplane with power monitoring and management to connected external peripherals used in Digitally Aided Close Air Support (DACAS) and other mission applications. The hub is compatible with USB1.1, USB2.0 (full and high speed), and SMBus protocols. STAR-PAN™ IV contains two power inputs for extended missions. One radio port capable of powering up the USB Data backplane and host connection. A dedicated charge port for use with smart batteries and auxiliary power sources including multiple DC power sources such as vehicle power, solar panels, kinetic energy devices or fuel cells. All connector interfaces compliant to NATO STANAG 4695. Recommended: general-purpose C1 cable for EUD, battery, and peripheral connectivity.

PAN APPLICATIONS

- **Ground force commander**
- **Special operations force team leader**
- **SUAS and UGV controller**

HOW TO ORDER

Sample Part Number:	808-273
Connectorized Hub	STAR-PAN IV 4-port power/data hub

STAR-PAN IV PORT CONFIGURATION

EUD	1
RADIO	1
PAN	3
POWER	2

PERFORMANCE SPECIFICATIONS

Operating Conditions	
Storage Temperature	-40°C to +80°C
Operating Temperature	-32°C to +49°C
Operation Altitude	9754m
Storage Altitude	15240m
Water Immersion, Mated	MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant
Host & Pan 1–3	
Battery Voltage	10.0V to 20.0V, 14.8V typical
Battery Supply Current	5A Maximum per individual port
+5V Backup Total Supply Current	5A based on radio supply, Radio 1 primary
USB +/USB -	-0.5V to +3.5V
Radio Port	
Battery Voltage	10.0V to 20.0V, 14.8V typical. Highest priority for power management
Battery Supply Current	5A maximum per individual port
+5V Back Up Supply Current	1.2A typical, 3A max, based on radio supply, radio 1 primary
+5V Back Up Supply Current	.5A per port
USB +/USB -	-0.5V to +3.5V
Auxiliary Power Supply Port	
Auxiliary Voltage Source	10V to 36V
Auxiliary Supply Current	5 A maximum system supply current
Battery Port	
Battery Input Voltage	10V to 20V
Battery Supply Current	5A maximum system supply current
Battery Charge Current	3A

STAR-PAN™ IV

808-273 4 port smart power / data hub system
Configuration diagram

STAR-PAN™

STAR-PAN VI CAPABILITY DIAGRAM

- 1 designated host/EUD port
- 1 designated radio peripheral port
- 3 PAN receptacles for up to four peripherals
- Battery and auxiliary power source input
- Glenair power port management

- Radio-supplied backup power
- Smart battery charging from auxiliary power
- Up to 5A battery power per port, 5A system total
- Up to 3A 5 Volt VBUS power per port, 5A system total

End User Device*

808-047 C1- EXTENSION CABLE

Hand-Held
Radio*

808-032
AN/PRC-152A
Radio Data Adapter

808-063
Radio Power Booster
(RPB)

HOST

RADIO

AUX PWR

PAN 1

PAN 2

PAN 3

BATT

Auxiliary Power Sources*
(Kinetic Energy, Vehicle Power, AC Power, 2nd Battery)

STAR-PAN VI Hub
808-037
brazed-
construction
enclosure with
IP67 sealed ports

JTAC-TOUGH™

STAR-PAN™ IV

808-273 4 port smart power / data hub system
Configuration diagram

GLENAIR STAR-PAN TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

STAR-PAN Component Description	Part Number
STAR-PAN IV Multiport USB and Power Distribution Hub	808-273
STAR-PAN General-Purpose Extension Cable	808-047
DAGR GPS/Navigation Cable	808-040
PRC 152A Radio Data Adapter	808-032
TacROVER-e ISR Receiver Cable	808-043
TacROVER-p SIR 2.0 ISR Receiver Cable	808-045
Tactical Net Rover ISR Receiver Cable	808-117
STERNA TNF Adapter Cable	808-212
Hand-Held Radio Battery Shoe	808-066
BA5590/BB2590 Battery Shoe	808-048
Radio Power Booster	808-063
AC/DC Power Adapter Cable	808-064

808-040 DAGR

DAGR GPS Receiver*

808-043 TacROVERe

808-045 TacROVERp

808-117 TNR

Tactical Net Rover*

808-212 Vectronix STERNA TNF

TNF / Targeting Device*

808-047 C1- EXTENSION CABLE

808-066 Battery Shoe for Harris and Bren-Tronics Handheld Radios

808-048 Battery Shoe for BA5590 / BB2590 Batteries

808-242 Charging Battery Adapter for BB2590 Batteries

Conformal Wearable Battery* (direct connection, no adapter required)
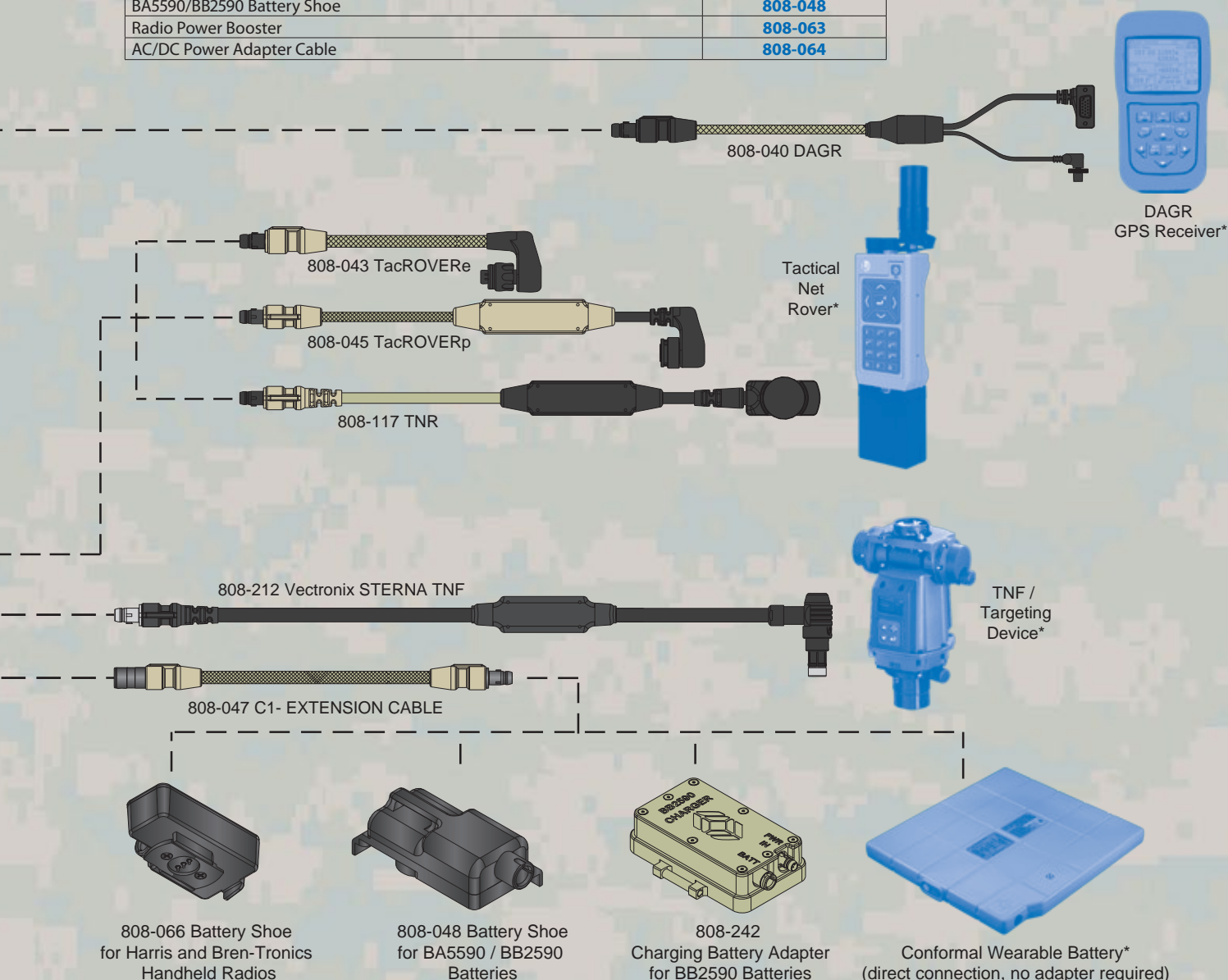
* Example compatible devices, not supplied by Glenair

STAR-PAN™ HUBS

STAR-PAN IV
MOLLE pouch

USE WITH STAR-PAN II FOR SECURE
ATTACHMENT TO MOLLE GEAR

MOLLE POUCH SPECIFICATIONS

- Desert tan Cordura
- Single-button snap-lock for mounting on MOLLE loops
- Front loop Velcro securely retains STAR-PAN IV hub

HOW TO ORDER

Sample Part Number:	808-273-MP
STAR-PAN accessory	STAR-PAN IV MOLLE pouch

MOLLE CLIP SPECIFICATIONS

- Factory-installed clip for attachment to MOLLE gear

HOW TO ORDER

Sample Part Number:	TS4-008
STAR-PAN accessory	STAR-PAN IV MOLLE clip
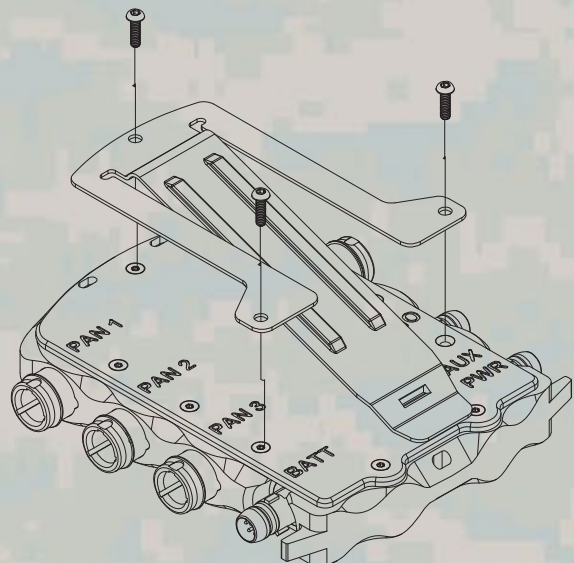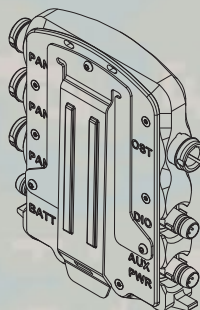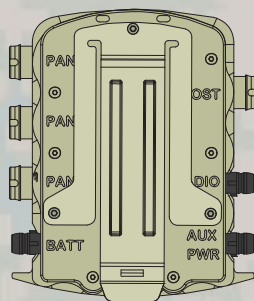
STAR-PAN™

STAR-PAN IV accessories
808-047 General-Purpose STAR-PAN Cable

- Olive drab Nomex® braided cable, or black Santoprene-jacketed cable
- Overmolded, ergonomic connector strain reliefs, desert tan or black
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 24" cable: 50g
- Export classification: ECCN 3A611.x

**General-Purpose
STAR-PAN Cable**

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI
STANDARD CABLE FOR USE WITH ALL
MIGHTY MOUSE 807-EQUIPPED ADAPTER
CABLES, EUDs, BATTERIES, AND PERIPHERALS**

HOW TO ORDER

Sample Part Number:	808-047		-36
Cable Series	General-Purpose STAR-PAN cable		
Cable Jacket Option	**-S** = Black Santoprene Jacket		
	Omit for standard Olive Drab Nomex		
Length Designator	In inches		
	Omit for default length of 24.00"		

OVERALL LENGTH "L"

MASTER KEY

P1

(2.00)

WIRE, FLEXIBLE TPU INSULATED
TIN PLATED COPPER

BRAIDED SHEILD, HIGH STRAND
TIN PLATED COPPER BRAID

OUTER BRAID,
NOMEX SLEEVING or
BLACK SANTOPRENE

MASTER KEY

P2

(PART NUMBER)
GLENAIR YYWW
06324

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY-422B
PIN 2 IS FMLB

SHRINK LABEL
M23053/5 (BLK)
COVERED W/
M23053/18 (CLR)

TPE OVERMOLD
TYP.2

GLENAIR CONNECTOR
8070-1675-01ZNU6-6SY-422B

-S OPTION
(SEE P/N DEVELOPMENT)

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™ VI

Integrated USB data/power distribution hub for digitally aided close air support (DACAS) and other combined mission commander / JTAC applications

KEY FEATURES/BENEFITS

- **Battery Power and +5VBus power to up to 4 USB devices, 2 dedicated Radio ports**
- **Robust fault mode protection circuitry for surge, reverse voltage, and over current**
- **Embedded level 3 charge control circuitry for smart battery interface, within a wide charge voltage range**
- **Compatible with DC power sources**
- **APS port for system power and main system battery charging on extended missions**
- **Radio Port Vbus System Hold Up for extended mission time and weight reduction**
- **Compatible Personal Area Network (PAN) pin configuration and Smart battery interface**
- **Built-in SMBus to USB converter to USB host device**

FEATURES

- **Universal PAN compliant ports (up to six devices)**
- **1 designated host/EUD port**
- **2 designated radio peripheral ports**
- **4 PAN receptacles for up to four peripherals**
- **Battery and auxiliary power source input**
- **Glenair power port management**
- **Radio-supplied backup power**
- **Smart battery charging from auxiliary power**
- **Up to 5A battery power per port, 5A system total**
- **Up to 3A 5 Volt VBUS power per port, 5A system total**
- **Brazed construction, integrated connectors**
- **Heat-efficient electronics packaging to optimize efficiency and extend battery life**

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STAR-PAN™ VI

808-037
6 port smart power and data hub system

OVERVIEW

The Glenair STAR-PAN™ VI Hub is a lightweight, durable, compact data and power distribution hub, ruggedized for harsh environment dismounted soldier applications. The connectorized hub provides a data backplane with power monitoring and management to connected external peripherals used in Digitally Aided Close Air Support (DACAS) and other mission applications. The hub is compatible with USB1.1, USB2.0 (full and high speed), and SMBus protocols. STAR-PAN™ VI contains two power inputs for extended missions. Two radio ports capable of powering up the USB Data backplane and host connection. A dedicated charge port for use with smart batteries and auxiliary power sources including multiple DC power sources such as vehicle power, solar panels, kinetic energy devices or fuel cells. All connector interfaces compliant to NATO STANAG 4695. Recommended: general-purpose C1 cable for EUD, battery, and peripheral connectivity.

PAN APPLICATIONS

■ **JTAC Digitally Aided Close Air Support (DACAS)**

■ **Tactical ops center operations commander**

HOW TO ORDER

Sample Part Number:	808-037
Connectorized Hub	STAR-PAN VI 6-port power/data hub

STAR-PAN VI PORT CONFIGURATION

EUD	1
RADIO	2
PAN	4
POWER	2

PERFORMANCE SPECIFICATIONS

Operating Conditions	
Storage Temperature	-40°C to +80°C
Operating Temperature	-32°C to +49°C
Operation Altitude	9754m
Storage Altitude	15240m
Water Immersion, Mated	MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant
Host & Pan 1–4	
Battery Voltage	10.0V to 20.0V, 14.8V typical
Battery Supply Current	5A Maximum per individual port
+5V Backup Total Supply Current	5A based on radio supply, Radio 1 primary
USB +/USB -	-0.5V to +3.5V
Radio 1 and 2 Ports	
Battery Voltage	10.0V to 20.0V, 14.8V typical. Highest priority for power management
Battery Supply Current	5A maximum per individual port
+5V Back Up Supply Current	1.2A typical, 3A max, based on radio supply, radio 1 primary
+5V Back Up Supply Current	.5A per port
USB +/USB -	-0.5V to +3.5V
Auxiliary Power Supply Port	
Auxiliary Voltage Source	10V to 36V
Auxiliary Supply Current	5 A maximum system supply current
Battery Port	
Battery Input Voltage	10V to 20V
Battery Supply Current	5A maximum system supply current
Battery Charge Current	3A

Dimensions are subject to change without notice.

STAR-PAN™ VI

808-037 6 port smart power and data system
Configuration diagram

STAR-PAN™

STAR-PAN™ HUBS

STAR-PAN VI CAPABILITY DIAGRAM

- ■ Universal PAN compliant ports (up to six devices)
- ■ 1 designated host/EUD port
- ■ 2 designated radio peripheral ports
- ■ 4 PAN receptacles for up to four peripherals
- ■ Battery and auxiliary power source input

- ■ Glenair power port management
- ■ Radio-supplied backup power
- ■ Smart battery charging from auxiliary power
- ■ Up to 5A battery power per port, 5A system total
- ■ Up to 3A 5 Volt VBUS power per port, 5A system total

808-040 DAGR

DAGR
GPS Receiver*

Hand-Held
Radio*

808-032
PRC-152A
Radio Data Adapter

808-063
Radio Power Booster
(RPB)

Tactical Net Rover*

808-043 TacROVERe

808-045 TacROVERp

808-117 TNR

Auxiliary Power Sources*
(Kinetic Energy, Vehicle Power, AC Power, 2nd Battery)

EUD
HOST

PAN 1   PAN 3

RADIO 1   RADIO 2

PAN 2   PAN 4

AUX PWR   BATT

STAR-PAN VI Hub
808-037
brazed-
construction
enclosure with
IP67 sealed ports

STAR-PAN™ VI

808-037 6 port smart power and data system
Configuration diagram

GLENAIR STAR-PAN TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

STAR-PAN Component Description	Part Number
STAR-PAN VI Multiport USB and Power Distribution Hub	808-037
STAR-PAN General-Purpose Extension Cable	808-047
DAGR GPS/Navigation Cable	808-040
RT-1922 MicroLight SADL Radio Cable	808-044
PRC 152A Radio Data Adapter	808-032
TacROVER-e ISR Receiver Cable	808-043
TacROVER-p SIR 2.0 ISR Receiver Cable	808-045
Tactical Net Rover ISR Receiver Cable	808-117
PLRF 15C/25C Laser Range Finder Cable	808-049
USB 2.0 Adapter Cable	808-053
Hand-Held Radio Battery Shoe	808-066
BA5590/BB2590 Battery Shoe	808-048
Radio Power Booster	808-063
AC/DC Power Adapter Cable	808-064

End User Device*

808-047 C1- EXTENSION CABLE

808-049 PLRF 15C/25C

Laser
Range Finder*

Radio 2 Port:
- AN/PRC-117G
- AN/PRC 152A
- AN/PRC-154 Rifleman
- AN/PRC-148 JEM
- PNR-1000
- MCTR-7200HH
- SC4200
- SC4400
- SOL8SDR-H
- Bittium Tough SDR Handheld™

808-053 USB ADAPTER

Second
Hand-Held
Radio*

808-047 C1- EXTENSION CABLE

808-066 Battery Shoe
for Harris and Bren-Tronics
Handheld Radios

808-048 Battery Shoe
for BA5590 / BB2590
Batteries

808-242
Charging Battery Adapter
for BB2590 Batteries

Conformal Wearable Battery*
(direct connection, no adapter required)
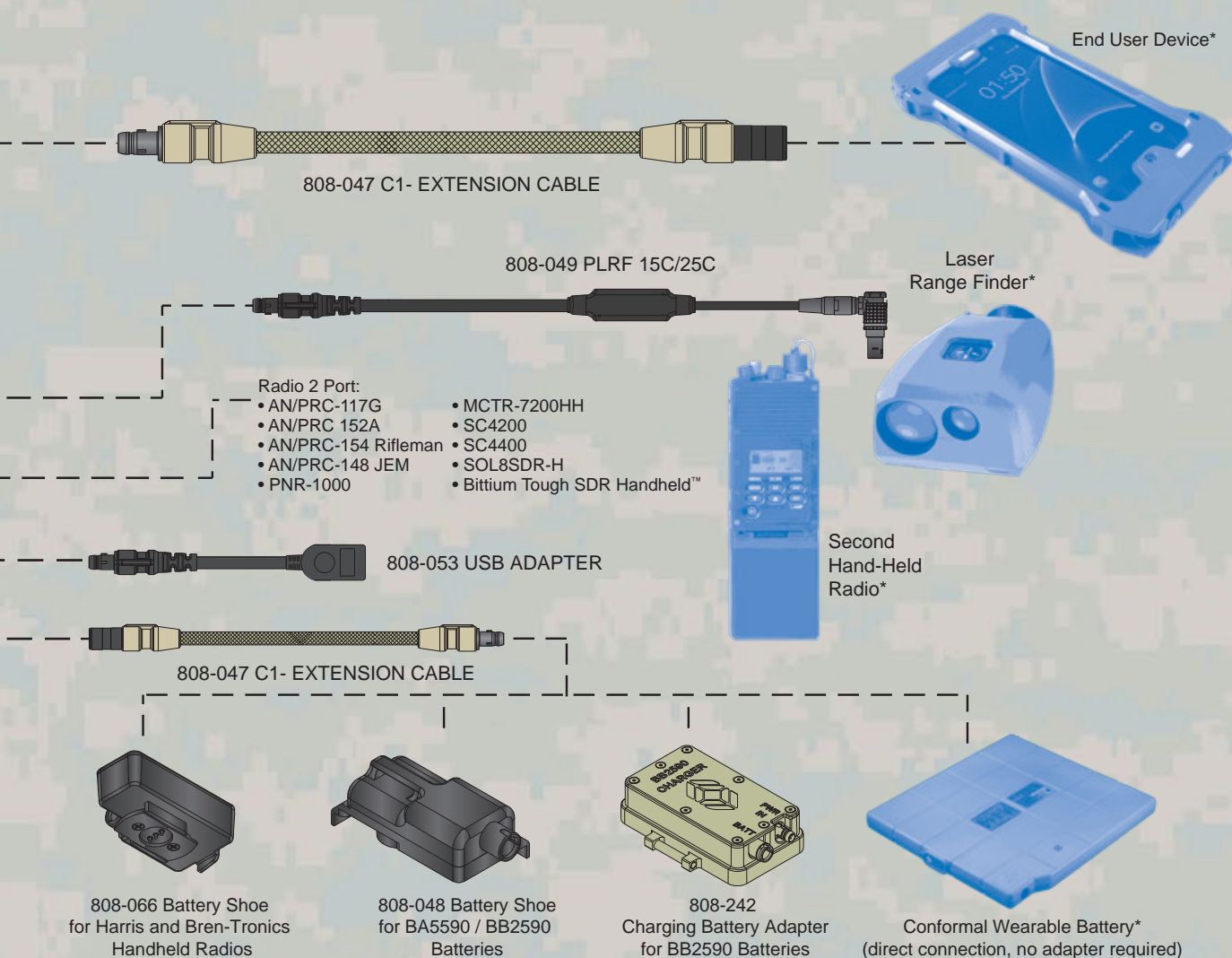
* Example compatible devices, not supplied by Glenair

STAR-PAN™ VI

STAR-PAN VI accessories
MOLLE pouch and clip

STAR-PAN™ HUBS

**STAR-PAN VI
MOLLE pouch**

MOLLE POUCH SPECIFICATIONS

- Desert tan Cordura
- Single-button snap-lock for mounting on MOLLE loops
- Front loop Velcro securely retains STAR-PAN II hub

HOW TO ORDER	
Sample Part Number:	**TS4-009**
STAR-PAN accessory	STAR-PAN VI MOLLE pouch

**USE WITH STAR-PAN VI FOR SECURE
ATTACHMENT TO MOLLE GEAR**

MOLLE CLIP SPECIFICATIONS

- Factory-installed clip for attachment to MOLLE gear

HOW TO ORDER	
Sample Part Number:	**TS4-005**
STAR-PAN accessory	STAR-PAN VI MOLLE clip
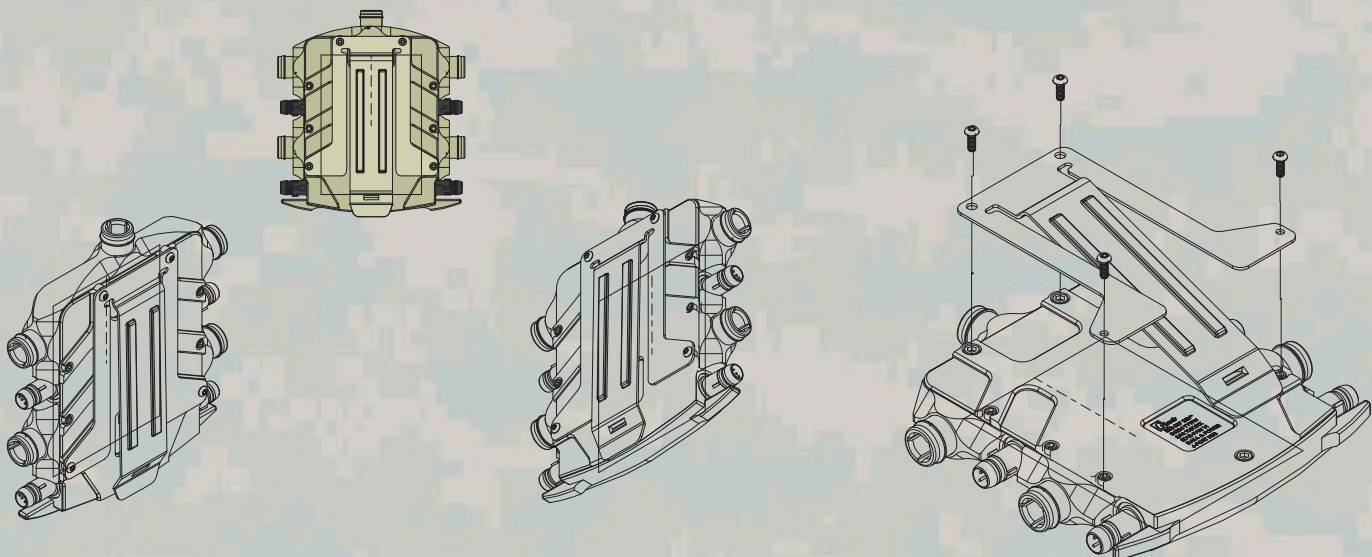
STAR-PAN™

STAR-PAN VI accessories
808-047 General-Purpose STAR-PAN Cable

SPECIFICATIONS

- Olive drab Nomex® braided cable, or black Santoprene-jacketed cable
- Overmolded, ergonomic connector strain reliefs, desert tan or black
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 24" cable: 50g
- Export classification: ECCN 3A611.x

**General-Purpose
STAR-PAN Cable**

QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI
STANDARD CABLE FOR USE WITH ALL
MIGHTY MOUSE 807-EQUIPPED ADAPTER
CABLES, EUDs, BATTERIES, AND PERIPHERALS

HOW TO ORDER

Sample Part Number:	808-047		-36
Cable Series	General-Purpose STAR-PAN cable		
Cable Jacket Option	**-S** = Black Santoprene Jacket		
	Omit for standard Olive Drab Nomex		
Length Designator	In inches		
	Omit for default length of 24.00"		

OVERALL LENGTH "L"

MASTER KEY

P1

(2.00)

WIRE, FLEXIBLE TPU INSULATED
TIN PLATED COPPER

BRAIDED SHEILD, HIGH STRAND
TIN PLATED COPPER BRAID

OUTER BRAID,
NOMEX SLEEVING or
BLACK SANTOPRENE

MASTER KEY

P2

(PART NUMBER)
GLENAIR YYWW
06324

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY-422B
PIN 2 IS FMLB

SHRINK LABEL
M23053/5 (BLK)
COVERED W/
M23053/18 (CLR)

TPE OVERMOLD
TYP.2

GLENAIR CONNECTOR
8070-1675-01ZNU6-6SY-422B

-S OPTION
(SEE P/N DEVELOPMENT)

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

General-Purpose STAR-PAN Cables
808-095 Right-angle exit cable (90° plug)

STAR-PAN™

STAR-PAN™ HUBS

SPECIFICATIONS

- Olive drab Nomex® braided cable
- Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 6" cable: 20g
- Export classification: ECCN 3A611.x

90° Exit Cable

HOW TO ORDER

Sample Part Number:	808-095		-8
Cable Series	STAR-PAN 90° plug cable		
Master Key Orientation	See figure 1. Omit for -3 90° default		
Length Designator	In inches Omit for default length of 6.00"		

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

TPE OVERMOLD, TYP

P1

(PART NUMBER)
GLENAIR YYWW
06324

P2

GLENAIR CONNECTOR
8070-1675-01ZNU6-6SY

GLENAIR CONNECTOR,
MATING INTERFACE IAW
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

SHRINK LABEL
M23053/5 (BLK)
COVERED W/
M23053/18 (CLR)

WIRE, FLEXIBLE TPU INSULATED
TIN PLATED COPPER

BRAIDED SHEILD,
HIGH STRAND, TIN PLATED COPPER BRAID

OUTER BRAID,
NOMEX SLEEVING GLENAIR PN: 102-042

MASTER KEY ORIENTATION

MASTER KEY — CABLE EXIT — -1

45° — MASTER KEY — CABLE EXIT — -2

90° — MASTER KEY — CABLE EXIT — -3

135° — MASTER KEY — CABLE EXIT — -4

MASTER KEY — CABLE EXIT — -5

MASTER KEY — 225° — CABLE EXIT — -6

MASTER KEY — 270° — CABLE EXIT — -7

MASTER KEY — 315° — CABLE EXIT — -8

LENGTH TOLERANCE: +1.00" (25.4 mm) / -0.00 for "L" from 6.00" (152.4mm) to 24" (609.6mm)
+1.80" (45.7mm) / -0.00 for "L" from 24" (609.6mm) to 60" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

General-Purpose STAR-PAN Cables
808-244 Right-angle exit cable (90° receptacle)
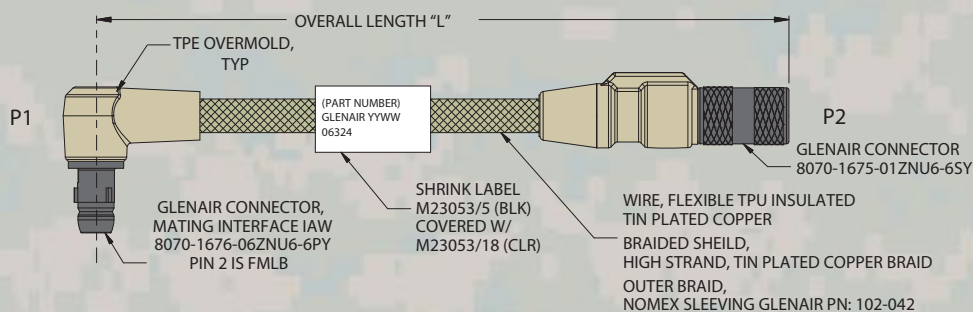
STAR-PAN™ HUBS

SPECIFICATIONS

- Olive drab Nomex® braided cable
- Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) connectors
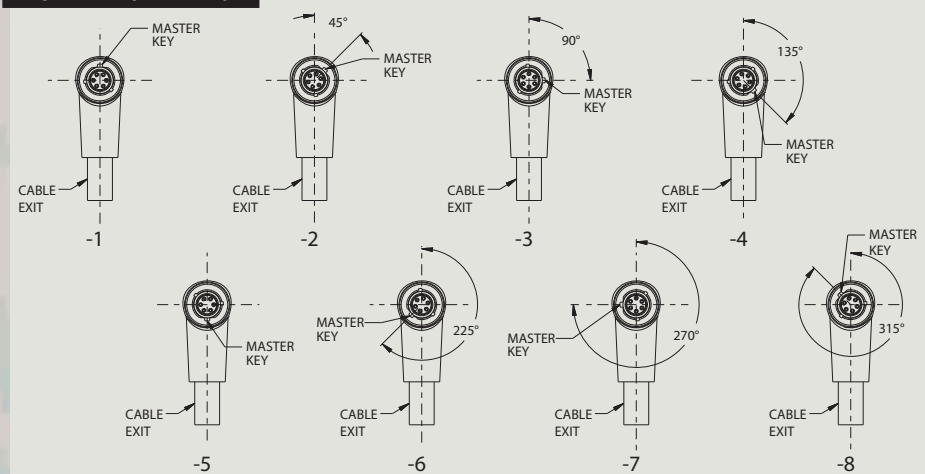- Weight, 6" cable: 20g
- Export classification: ECCN 3A611.x

90° Exit Cable

HOW TO ORDER

Sample Part Number:	808-244		-8
Cable Series	STAR-PAN 90° receptacle cable		
Master Key Orientation	See figure 1. Omit for -3 90° default		
Length Designator	In inches Omit for default length of 6.00"		

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY-422B
PIN 2 IS FMLB

P1

(PART NUMBER)
GLENAIR YYWW
06324

P2

GLENAIR CONNECTOR,
MATING INTERFACE IAW
8070-1675-01ZNU6-6SY-422B
PIN 2 IS FMLB

SHRINK LABEL
M23053/5 (BLK)
COVERED W/
M23053/18 (CLR)

WIRE, FLEXIBLE TPU INSULATED
TIN PLATED COPPER

BRAIDED SHEILD,
HIGH STRAND, TIN PLATED COPPER BRAID

OUTER BRAID,
NOMEX SLEEVING GLENAIR PN: 102-042

MASTER KEY ORIENTATION

LENGTH TOLERANCE: +1.00" (25.4 mm) / -0.00 for "L" from 6.00" (152.4mm) to 24" (609.6mm)
    +1.80" (45.7mm) / -0.00 for "L" from 24" (609.6mm) to 60" (1524mm)
    +3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™ HUBS

SPECIFICATIONS

- User-termiatable for fast prototyping and non-standard connector support
- Black Santoprene-jacketed cable
- Overmolded, ergonomic connector strain relief
- Mighty Mouse 807 (NATO standard) connector
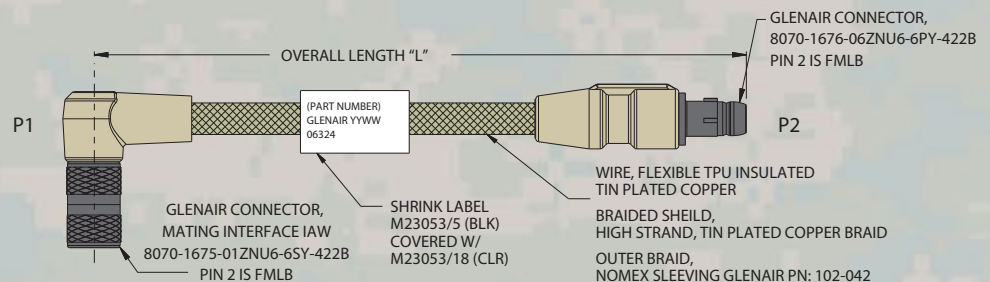- Weight, 24" cable: 65g
- Export classification: EAR 99
- PAN port
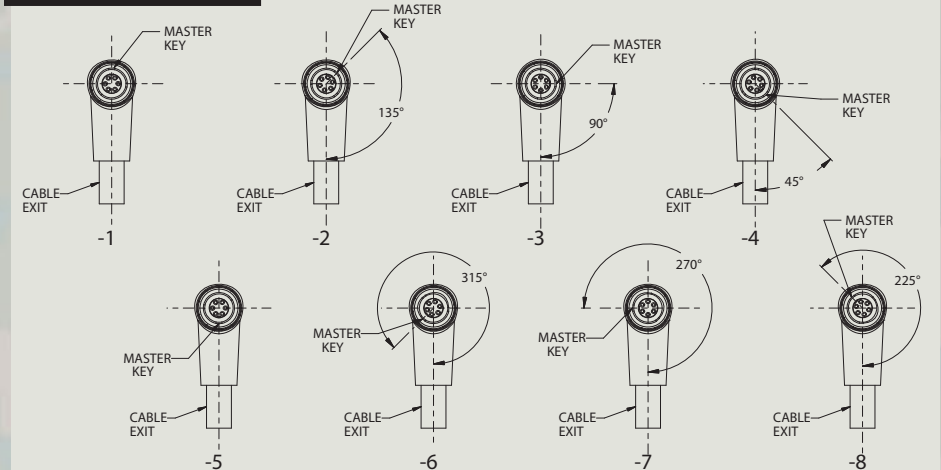
**Flying lead assembly,
PAN port connector**

HOW TO ORDER

Sample Part Number:	808-129	-18
Cable Series	STAR-PAN flying lead assembly, PAN port	
Length Designator	In inches Omit for default length of 6.00"	

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

MASTER KEY

OVERALL LENGTH "L"

(2.00)

P1

(PART NUMBER)
GLENAIR YYWW
06324

GLENAIR CONNECTOR;
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

POLYURETHANE JACKETED CABLE
ø.265 REF.

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

General-Purpose STAR-PAN Cables
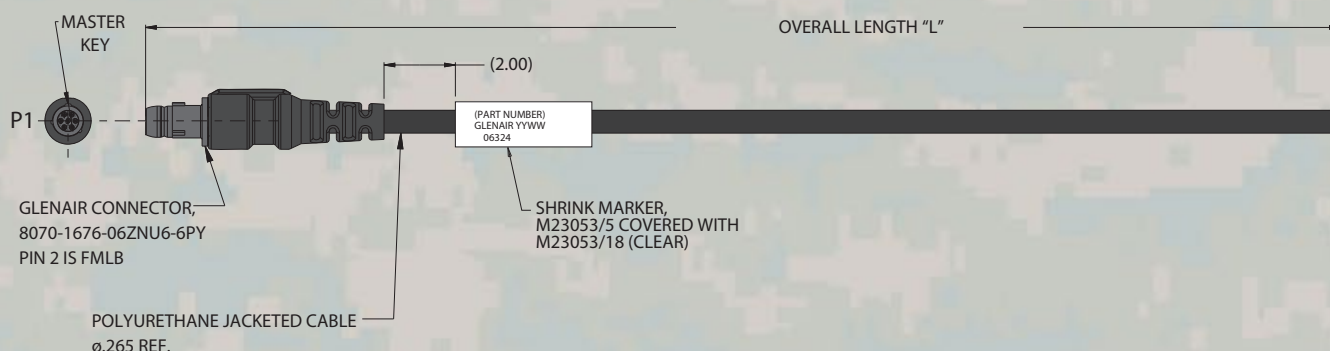## 808-130 flying lead assembly, RADIO, AUX, or BATT port

SPECIFICATIONS

- User-termiatable for fast prototyping and non-standard connector support
- Black Santoprene-jacketed cable
- Overmolded, ergonomic connector strain relief
- Mighty Mouse 807 (NATO standard) connector
- Weight, 24" cable: 65g
- Export classification: EAR 99
- RADIO, AUX, or BATT port

Flying lead assembly, RADIO, AUX, or BATT port connector

HOW TO ORDER

Sample Part Number:	808-130	-18
Cable Series	STAR-PAN flying lead assembly, RADIO, AUX, or BATT port	
Length Designator	In inches Omit for default length of 6.00"	

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

(2.00)

P1

(PART NUMBER)
GLENAIR YYWW
06324

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

POLYURETHANE JACKETED CABLE
ø.265 REF.
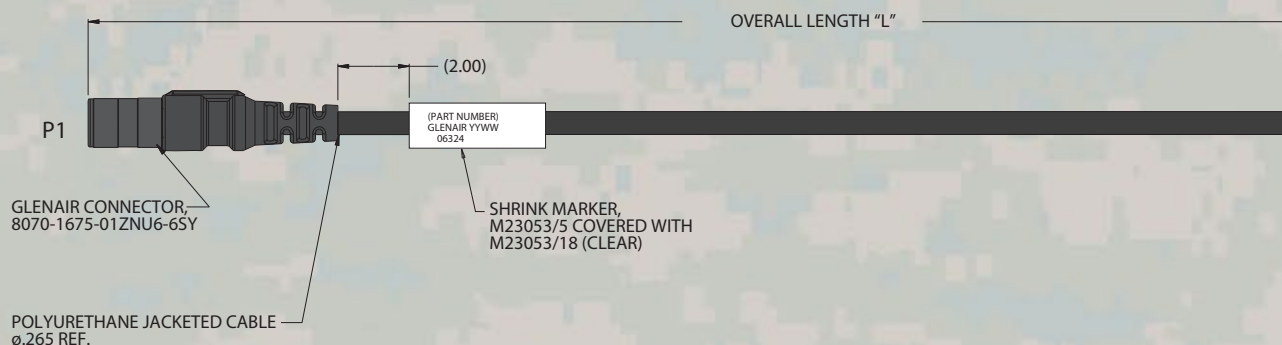
LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™ MISSION MANAGER

Plug-and-play EUD/USB peripheral data exchange device

GLENAIR MISSION MANAGER WITH MX QUICK-CONFIGURATION SOFTWARE

JTAC peripheral device configuration for both general use and mission-specific profiles is a complicated and time-consuming process, repeated for each and every mission. The Glenair STAR-PAN™ MISSION MANAGER with MX quick-configuration software reduces this problem by providing a plug-and-play bridge between the soldier's End User Device (EUD) and the C4ISR peripherals he depends on for mission success.

The STAR-PAN™ MISSION MANAGER is a Linux OS ARM-based embedded computing device that acts as a full-time host, brokering data between soldier USB peripherals and the EUD. In combination with Stauder Technologies' user-configurable MX application software, the STAR-PAN™ MISSION MANAGER makes connecting multiple devices to any EUD—before, during, or between missions—easier than ever before.

Provide data and power to EUD without compromising security

FEATURES

- ■ **End User Device independent—no device rooting or custom ROM images needed**
- ■ **Real-time, plug-and-play device integration**
- ■ **Supports multiple simultaneous Ethernet devices**
- ■ **Dedicated EUD port for connection to downstream EUD**
- ■ **Minimal power demands**
- ■ **Seamless integration into STAR-PAN systems**
- ■ **NATO standard Mighty Mouse connector interface**
- ■ **Mission Manager MX software Android, iOS, Windows and Linux compatible**
- ■ **Export classification EAR99**

Mission Manager with MX Software

## Plug-and-play EUD / USB peripheral data exchange device

STAR-PAN™ MISSION MANAGER MX SOFTWARE CAPABILITIES

MISSION MANAGER with Stauder Technologies' MX quick-configuration software eliminates the need for costly EUD OS development, and/or complicated device provisioning, by providing an intelligent interconnection bridge between the soldier's EUD and his C4ISR peripherals. The secure datalink software runs directly on the EUD providing a graphical user interface for configuration and management of USB/Ethernet datalink connections and radios. STAR-PAN™ MISSION MANAGER with MX software eliminates the need to retest or recertify complex systems after EUD update or replacement.

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI
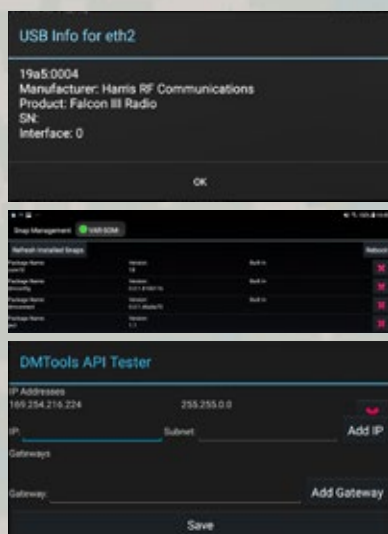
MISSION MANAGER MX software runs directly on the soldier's EUD to provide plug-and-play configuration and management of USB/Ethernet datalink connections and radios

HOW TO ORDER	
Sample Part Number:	**TS002**
STAR-PAN device	MISSION MANAGER

PERFORMANCE SPECIFICATIONS

Operating Conditions	
Storage Temperature	-40°C to +80°C
Operating Temperature	-32°C to +49°C
Operation Altitude	9754m
Storage Altitude	15240m
Water Immersion, Mated	MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant

FULL-TIME HOST TO BROKER DATA EXCHANGE BETWEEN SOLDIER USB PERIPHERALS AND THE EUD

Headless data management and routing for all open-system peripheral devices as shown below (lightweight single-radio configuration also supported for plug-and-play integration between radio and EUD).

STAR-PAN™ MISSION MANAGER
Seamless Integration with 808-047 General-Purpose STAR-PAN Cable

JTAC-TOUGH™

STAR-PAN™

Radio cables and adapters

STAR-PAN RADIO CABLES AND ADAPTERS

Part No.	Description	Page No.
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**AN/PRC-152A
Radio Adapter
Cable**

**AN/PRC-117G /
RF-7800M-MP /
RF7800H-MP
Radio Adapter
Cable**

**RT-1922
Microlight
SADL
Radio Data Cable**

STAR-PAN™

Radio cables and adapters
808-032 AN/PRC-152A Radio Adapter

AN/PRC-152A Radio Adapter

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan
- Black zinc-nickel stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 24" cable: 116g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-032	H	-28
Cable Series	AN/PRC-152A Radio Adapter Cable		
Host ID Pin option	**H** = with Host ID pin Omit for standard configuration		
Length Designator	In inches (6.00" min.) Omit for default length of 24.00"		
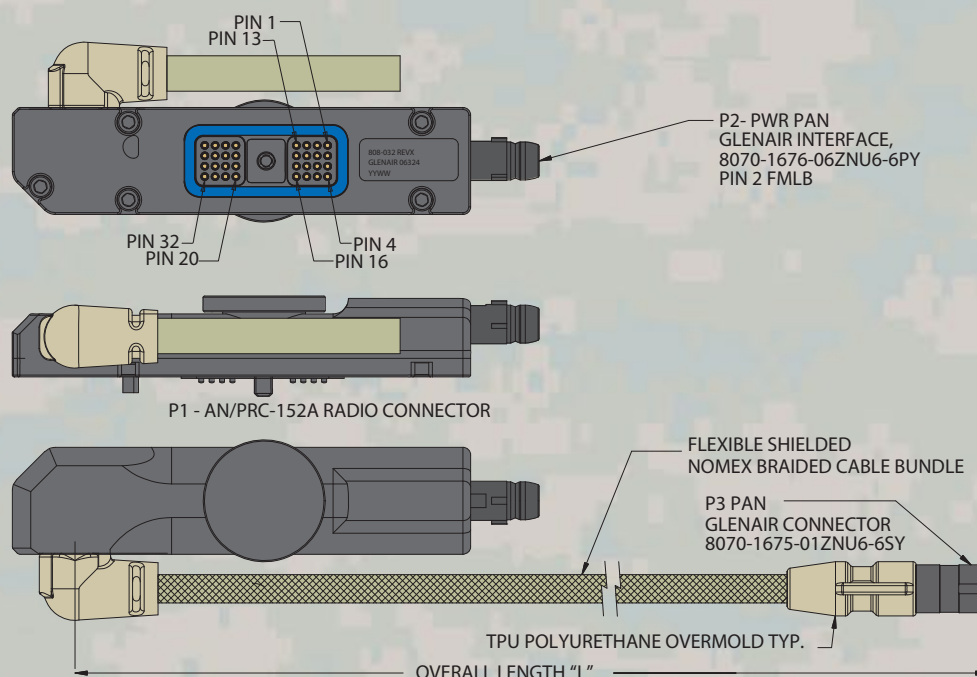
QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

PIN 1
PIN 13

808-032 REVX
GLENAIR 06324
YYWW

P2- PWR PAN
GLENAIR INTERFACE,
8070-1676-06ZNU6-6PY
PIN 2 FMLB

PIN 32
PIN 20
PIN 4
PIN 16

P1 - AN/PRC-152A RADIO CONNECTOR

FLEXIBLE SHIELDED
NOMEX BRAIDED CABLE BUNDLE

P3 PAN
GLENAIR CONNECTOR
8070-1675-01ZNU6-6SY

TPU POLYURETHANE OVERMOLD TYP.

OVERALL LENGTH "L"

LENGTH TOLERANCE: +1.00" (25.4 mm) / -0.00 for "L" from 6.00" (152.4mm) to 24" (609.6mm)
+1.80" (45.7mm) / -0.00 for "L" from 24" (609.6mm) to 60" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Radio cables and adapters
808-156 AN/PRC 152A Radio Adapter (PAN Port)

STAR-PAN™

**AN/PRC-152A
Radio Adapter**

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connector.
- Weight, 20" cable: (consult factory)
- Export classification: ECCN 3A611.x
- PAN port connection

HOW TO ORDER

Sample Part Number:	808-156	-24
Cable Series	AN/PRC 152-A Radio Data Adapter Cable	
Length Designator	In inches, 6.00" minimum Omit for default length of 20.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

RADIO POWER BOOST

PIN 1
PIN 13

P2- PWR PAN
GLENAIR INTERFACE,
8070-1676-06ZNU6-6PY
PIN 2 FMLB

808-156 REVX
GLENAIR 06324
YYWW

PIN 32
PIN 20
PIN 4
PIN 16

P1 - AN/PRC-152A RADIO CONNECTOR

.642

FLEXIBLE SHIELDED
NOMEX BRAIDED
CABLE BUNDLE

P3 PAN
GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

(1.33)

(3.75)

(4.32)

TPU POLYURETHANE OVERMOLD
TYP.2

MASTER KEY IS IN THE BACK

OVERALL LENGTH "L"

LENGTH TOLERANCE: +1.00" (25.4 mm) / -0.00 for "L" from 6.00" (152.4mm) to 24" (609.6mm)
+1.80" (45.7mm) / -0.00 for "L" from 24" (609.6mm) to 60" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Radio cables and adapters
808-051 AN/PRC-154 Rifleman Radio Adapter

RADIO

AN/PRC-154 Rifleman Radio Adapter

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors
- Weight (consult factory)
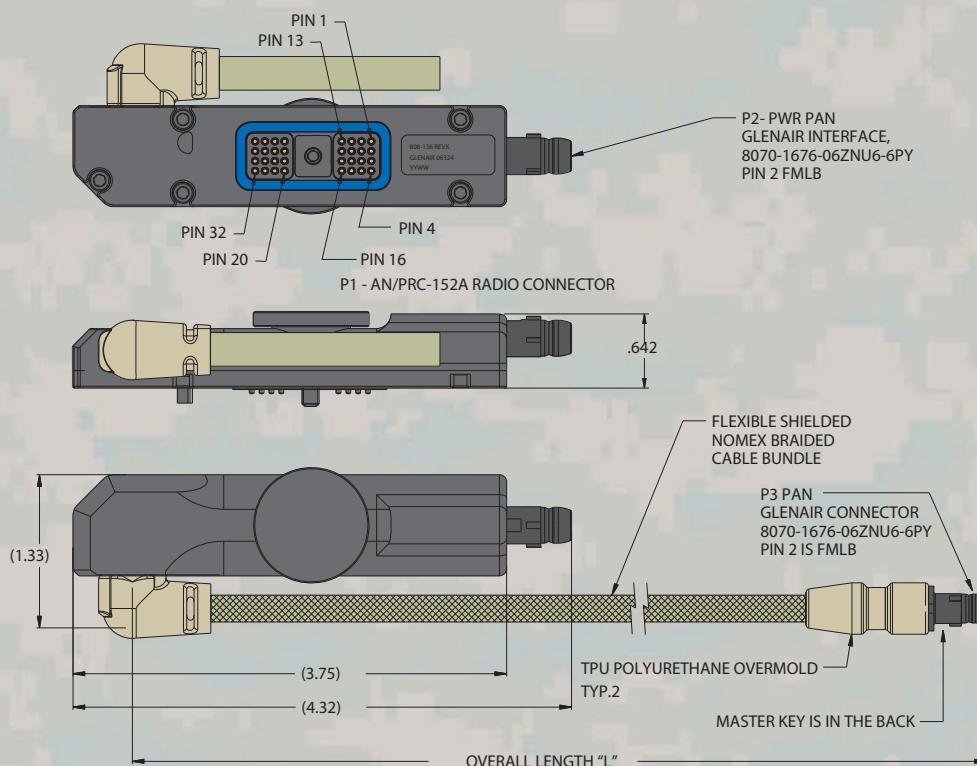- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-051
Cable Series	AN/PRF-154 Radio Data Adapter

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

P2
POWER PAN PLUG,
CONNECTOR INTERFACE PER
8070-1153-XXZNU6-6EC

2.720

P3 PAN RECEPTACLE
CONNECTOR INTERFACE
PER 807-216-07ZNU6-7DY

RUBBER
DUST COVER

MASTER
KEY

3.802

TOP AND SIDE SURFACES
BLACK POWDER COATED

MASTER KEY

P1- PRC-154 RADIO

6-32 UNC-2A

PIN 14
PIN 18
PIN 12
PIN 10
PIN 8

O-RING

STAR-PAN™

Radio cables and adapters
808-039 AN/PRC-148 JEM Radio Adapter

STAR-PAN™

**AN/PRC-148 JEM
Radio Adapter**

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan
- Black zinc-nickel stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 24" cable: 122g
- Export classification: ECCN 3A611.x
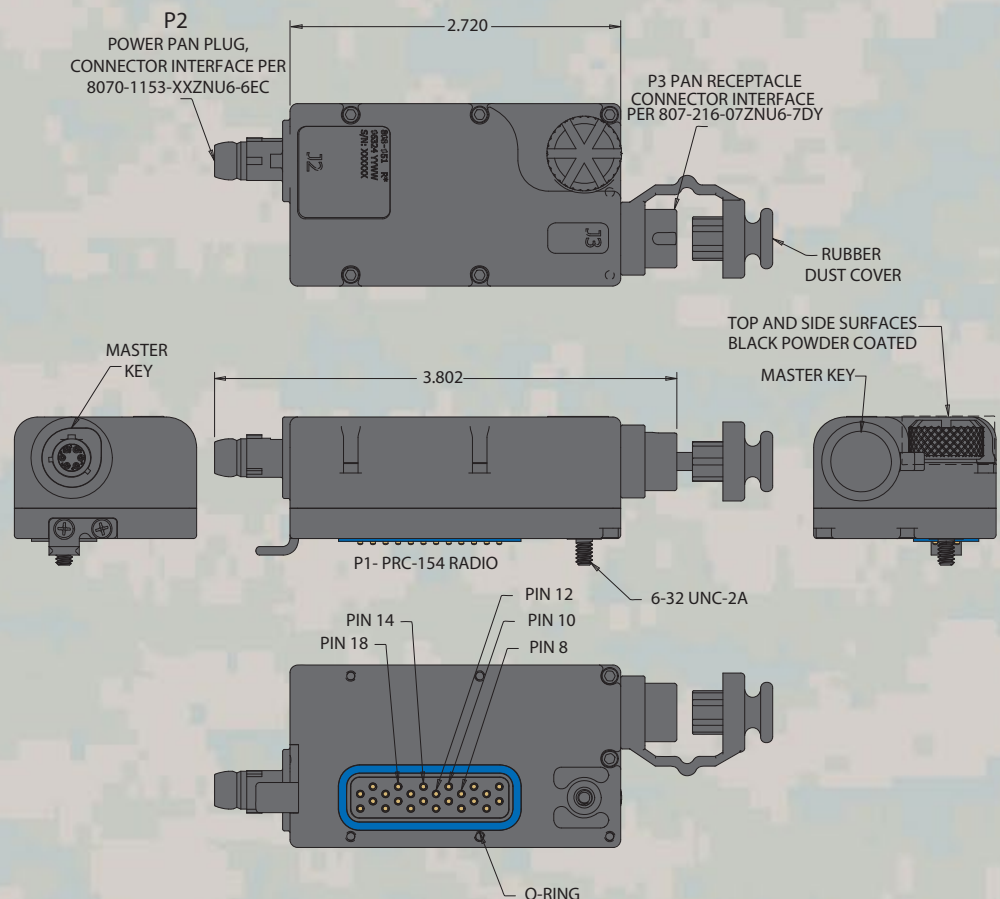
HOW TO ORDER

Sample Part Number:	808-039	-24
Cable Series	AN/PRC-148 Radio Adapter Cable	
Length Designator	In inches (6.00" min.) Omit for default length of 20.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

RADIO POWER BOOST

LENGTH "L"
.438
.875
(1.035)
(1.625)

J3 - GLENAIR CONNECTOR
PER INTERFACE
8070-1675-01ZNU6-6SY-422B

P2 - GLENAIR CONNECTOR
PER INTERFACE
8070-1676-06ZNU6-6PY
PIN 2 FMLB

.161
2.307
1.100
(.162)
1.057
.100

P2
J3

20 22
9 12 18
3
1
7 16
19 21 10
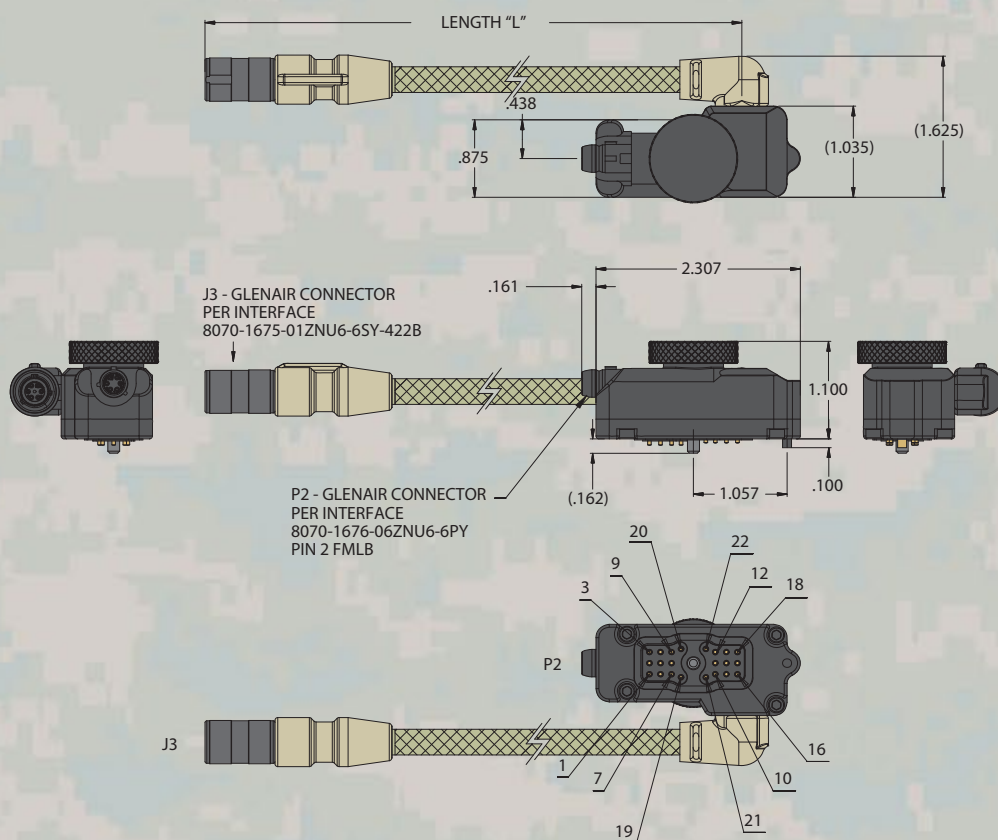
LENGTH TOLERANCE: +1.00" (25.4 mm) / -0.00 for "L" from 6.00" (152.4mm) to 24" (609.6mm)
+1.80" (45.7mm) / -0.00 for "L" from 24" (609.6mm) to 60" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Radio cables and adapters
808-132 Elbit PNR 1000 Radio Adapter

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Ergonomic overmolding
- Glenair environmental heat-shrink boot seals radio connector to cable
- Mighty Mouse 807 (NATO standard) connector.
- Weight, 21" cable: 80g
- Export classification: ECCN 3A611.x

**Elbit PNR 1000
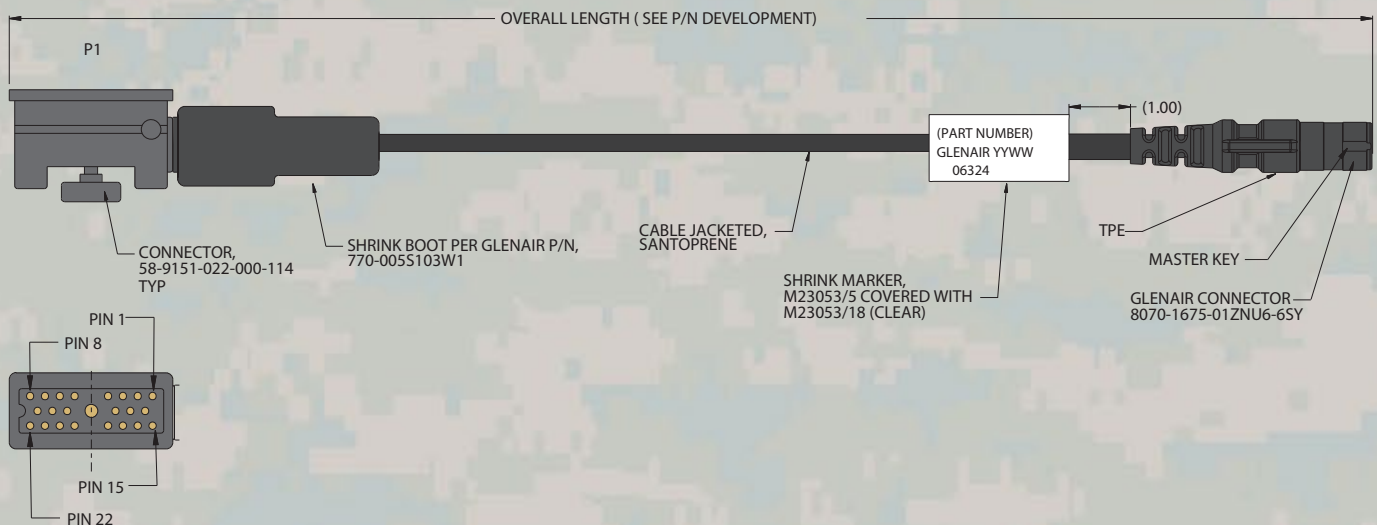Radio Adapter**

HOW TO ORDER

Sample Part Number:	808-132	-24
Cable Series	PNR 1000 Radio Adapter Cable	
Length Designator	In inches Omit for default length of 21.00"	

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH (SEE P/N DEVELOPMENT)

P1

(1.00)

(PART NUMBER)
GLENAIR YYWW
06324

CONNECTOR,
58-9151-022-000-114
TYP

SHRINK BOOT PER GLENAIR P/N,
770-005S103W1

CABLE JACKETED,
SANTOPRENE

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

TPE

MASTER KEY

GLENAIR CONNECTOR
8070-1675-01ZNU6-6SY

PIN 1
PIN 8
PIN 15
PIN 22

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™

STAR-PAN™

Radio cables and adapters
808-044 Raytheon RT-1922 Microlight SADL Radio Cable

STAR-PAN™

Raytheon RT-1922 Microlight Situational Awareness Data Link (SADL) Radio Cable
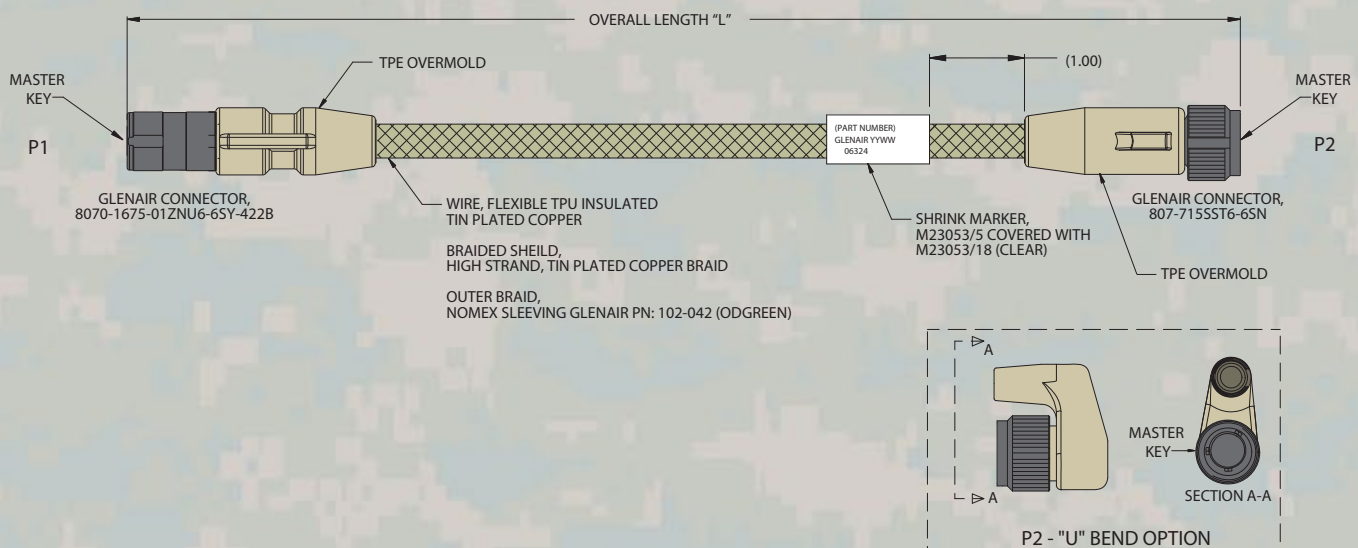
SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 24" cable: 60g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-044	-U	-28
Cable Series	RT-1922 Microlight SADL Radio Cable		
U-Bend Option	**U** = with "U" bend- Omit for straight		
Length Designator	In inches Omit for default length of 24.00"		

STAR-PAN™

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

OVERALL LENGTH "L"

MASTER KEY

TPE OVERMOLD

(1.00)

MASTER KEY

P1

(PART NUMBER)
GLENAIR YYWW
06324

P2

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY-422B

WIRE, FLEXIBLE TPU INSULATED
TIN PLATED COPPER

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

GLENAIR CONNECTOR,
807-715SST6-6SN

BRAIDED SHEILD,
HIGH STRAND, TIN PLATED COPPER BRAID

OUTER BRAID,
NOMEX SLEEVING GLENAIR PN: 102-042 (ODGREEN)

TPE OVERMOLD

A

MASTER KEY

A

SECTION A-A

P2 - "U" BEND OPTION

LENGTH TOLERANCE: +1.00" (25.4 mm) / -0.00 for "L" from 6.00" (152.4mm) to 24" (609.6mm)
+1.80" (45.7mm) / -0.00 for "L" from 24" (609.6mm) to 60" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

**Harris RF-7850S-TR
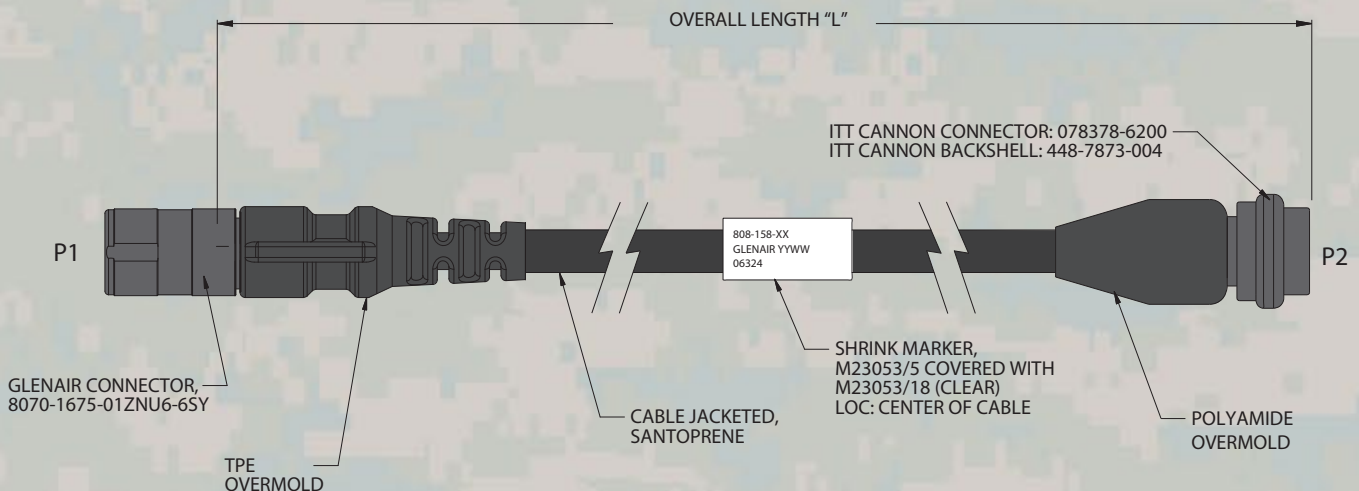Radio Cable**

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Ergonomic overmolding
- Mighty Mouse 807 (NATO standard) connector and ITT Cannon connector and backshell
- Weight, 18" cable: 75g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-158	-20
Cable Series	RF7580S-TR Radio Adapter Cable	
Length Designator	In inches Omit for default length of 18.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

ITT CANNON CONNECTOR: 078378-6200
ITT CANNON BACKSHELL: 448-7873-004

P1

808-158-XX
GLENAIR YYWW
06324

P2

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY

TPE
OVERMOLD

CABLE JACKETED,
SANTOPRENE

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)
LOC: CENTER OF CABLE

POLYAMIDE
OVERMOLD

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Radio cables and adapters
808-257 Harris RF-7800S Radio Cable
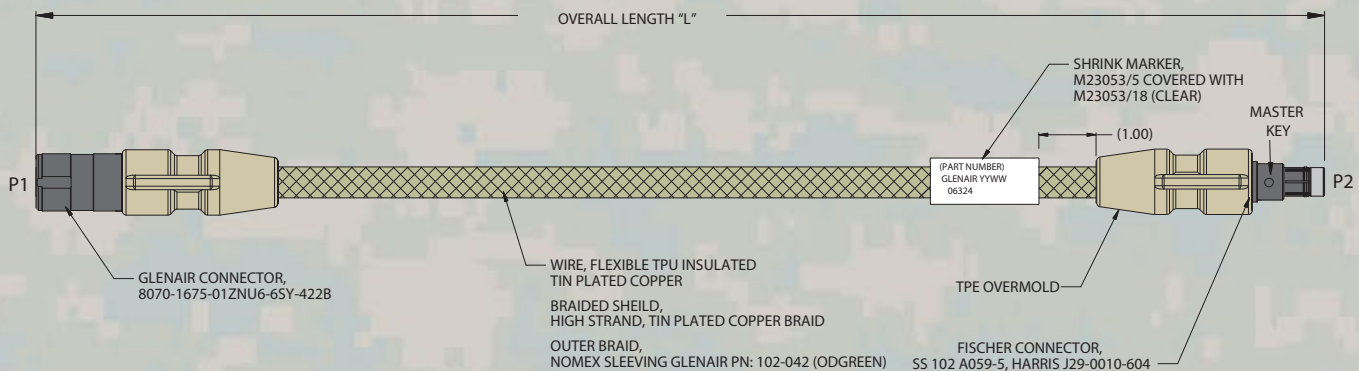
**Harris RF-7800S
Radio Cable**

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) connector and Fischer connector.
- Weight, 32" cable: (consult factory)
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-257	-36
Cable Series	RF7800S Radio Adapter Cable	
Length Designator	In inches Omit for default length of 32.00"	

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

MASTER KEY

(1.00)

(PART NUMBER)
GLENAIR YYWW
06324

P1

P2

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY-422B

WIRE, FLEXIBLE TPU INSULATED
TIN PLATED COPPER

BRAIDED SHEILD,
HIGH STRAND, TIN PLATED COPPER BRAID

OUTER BRAID,
NOMEX SLEEVING GLENAIR PN: 102-042 (ODGREEN)

TPE OVERMOLD

FISCHER CONNECTOR,
SS 102 A059-5, HARRIS J29-0010-604

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
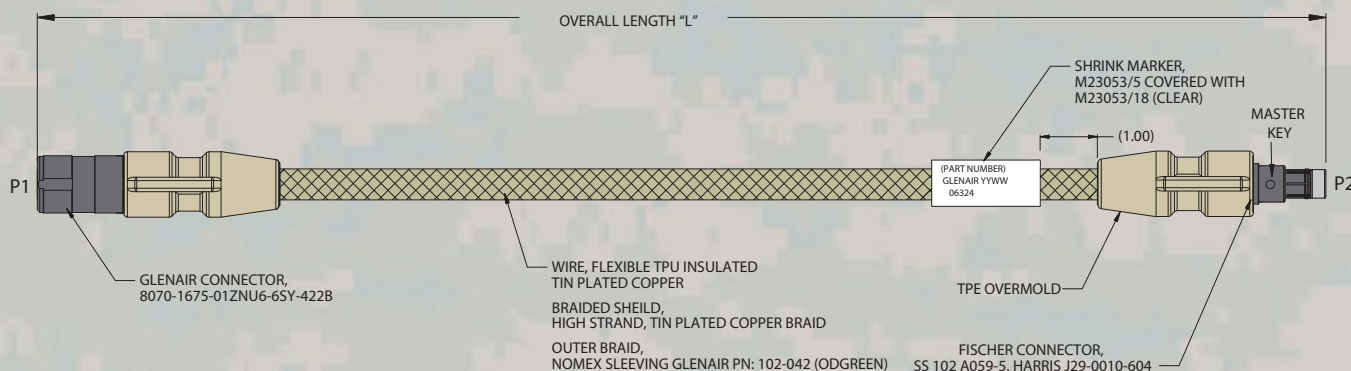+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Radio cables and adapters
808-148 Harris RF-7800S Radio Cable (Radio Host)

**Harris RF-7800S
Radio Cable**

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to End User Device
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) connector and Fischer connector.
- Weight, 32" cable: 74g
- Export classification: ECCN 3A611.x
- Radio acts as USB host

HOW TO ORDER

Sample Part Number:	808-148	-36
Cable Series	RF7800S Radio Adapter Cable	
Length Designator	In inches Omit for default length of 32.00"	

OVERALL LENGTH "L"

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

MASTER
KEY

(1.00)

(PART NUMBER)
GLENAIR YYWW
06324

P1

P2

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY-422B

WIRE, FLEXIBLE TPU INSULATED
TIN PLATED COPPER

TPE OVERMOLD

BRAIDED SHEILD,
HIGH STRAND, TIN PLATED COPPER BRAID

OUTER BRAID,
NOMEX SLEEVING GLENAIR PN: 102-042 (ODGREEN)

FISCHER CONNECTOR,
SS 102 A059-5, HARRIS J29-0010-604

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Radio cables and adapters
808-166 AN/PRC-161 BATS-D Radio Adapter

STAR-PAN™

**AN/PRC-161 BATS-D
Radio Adapter**

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors.
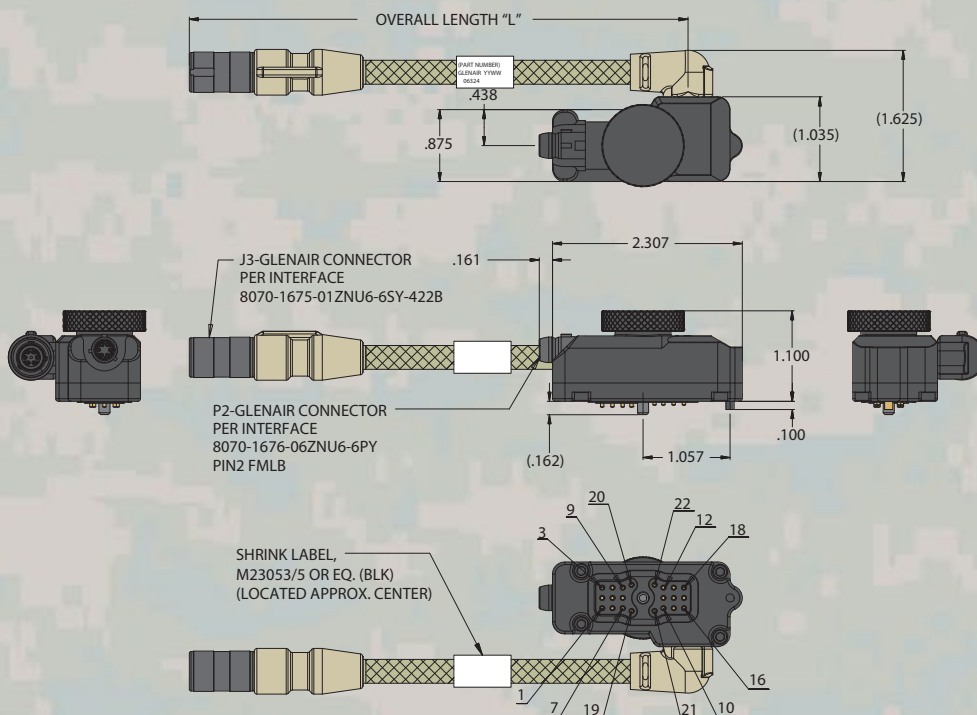- Weight, 20" cable: 122g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-166	-24
Cable Series	BATS-D AN/PRC 161 Radio Data Adapter Cable	
Length Designator	In inches, 6.00" minimum Omit for default length of 20.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

RADIO POWER BOOST

OVERALL LENGTH "L"

(PART NUMBER)
GLENAIR YYWW
06324
.438

.875

(1.035)

(1.625)

J3-GLENAIR CONNECTOR
PER INTERFACE
8070-1675-01ZNU6-6SY-422B

.161

2.307

1.100

P2-GLENAIR CONNECTOR
PER INTERFACE
8070-1676-06ZNU6-6PY
PIN2 FMLB

(.162)

1.057

.100

SHRINK LABEL,
M23053/5 OR EQ. (BLK)
(LOCATED APPROX. CENTER)

20   22
9   12   18
3

1   21   10
7   19   16

LENGTH TOLERANCE: +1.00" (25.4 mm) / -0.00 for "L" from 6.00" (152.4mm) to 24" (609.6mm)
+1.80" (45.7mm) / -0.00 for "L" from 24" (609.6mm) to 60" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

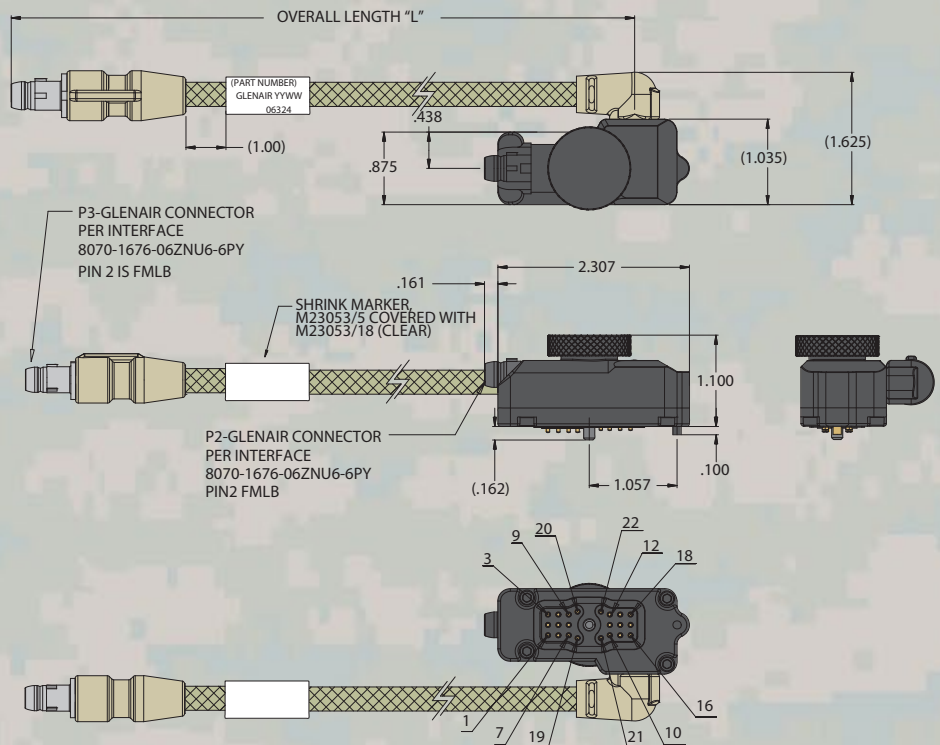## Radio cables and adapters
808-235 AN/PRC-161 BATS-D Radio Adapter (PAN Port)

SPECIFICATIONS

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors.
- Weight, 20" cable: 115g
- Export classification: ECCN 3A611.x
- PAN port connection

AN/PRC-161 BATS-D Radio Adapter (PAN Port)

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

RADIO POWER BOOST

HOW TO ORDER

Sample Part Number:	808-235	-24
Cable Series	BATS-D AN/PRC 161 Radio Data Adapter Cable	
Length Designator	In inches, 6.00" minimum Omit for default length of 20.00"	

P3-GLENAIR CONNECTOR PER INTERFACE 8070-1676-06ZNU6-6PY PIN 2 IS FMLB

SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

P2-GLENAIR CONNECTOR PER INTERFACE 8070-1676-06ZNU6-6PY PIN2 FMLB

LENGTH TOLERANCE: +1.00" (25.4 mm) / -0.00 for "L" from 6.00" (152.4mm) to 24" (609.6mm)
+1.80" (45.7mm) / -0.00 for "L" from 24" (609.6mm) to 60" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™

STAR-PAN™

Radio cables and adapters
808-087 AN/PRC-117F Radio Cable (PAN Port)

STAR-PAN™

**AN/PRC-117F,
AN/PRC-150, RF-5800H,
RF-7800H-MP Radio Cable**

SPECIFICATIONS

- For interconnection of referenced radio types to STAR-PAN power / data hubs
- Synchronous Serial Interface (SSI) Data Downlink Adapter Cable
- Santoprene jacketed cable, black
- Ergonomic overmolding
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 36" cable: (consult factory)
- Export classification: ECCN 3A611.x
- PAN port connection

HOW TO ORDER

Sample Part Number:	808-087	R	-32
Cable Series	AN/PRC / RF Radio Data Adapter Cable		
Data Connector Angle	**R** = Right angle data connector **Omit** = standard straight data connector		
Length Designator	In inches Omit for default length of 36.00"		
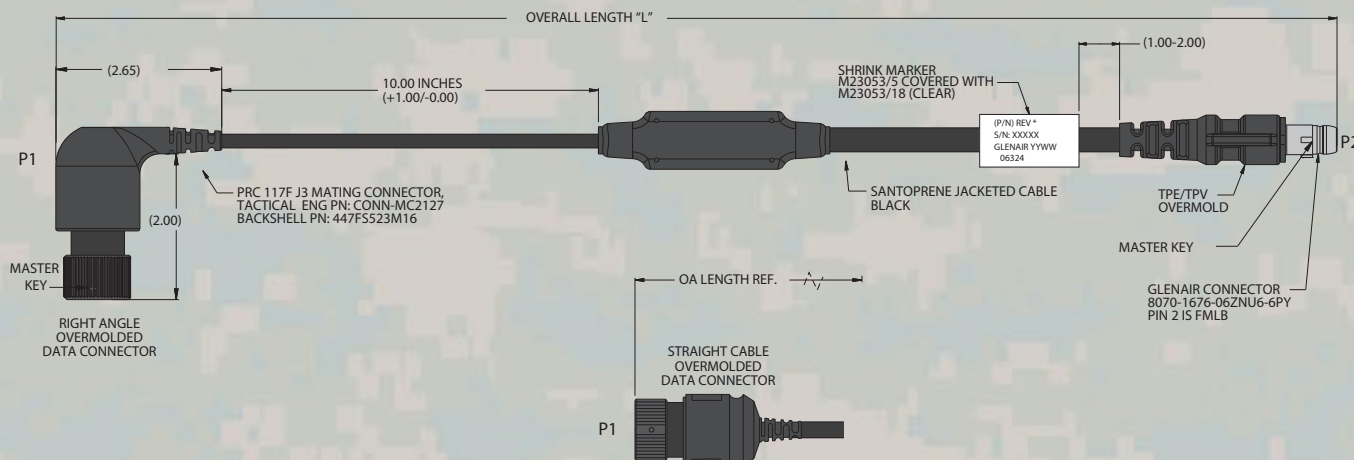
STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Radio cables and adapters
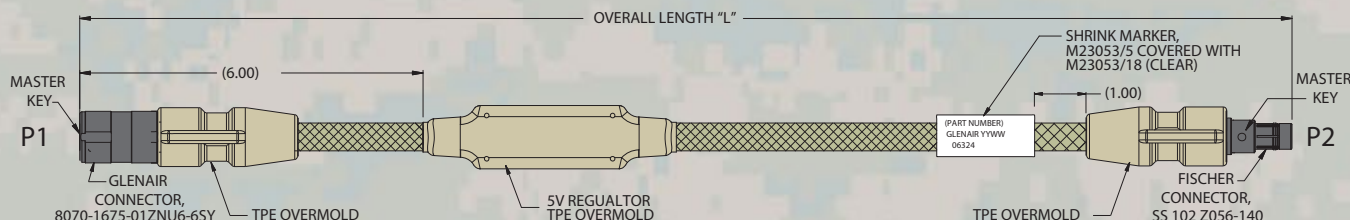## 808-035 AN/PRC-117G Radio Cable

SPECIFICATIONS

- For interconnection of referenced man-pack radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) connector and Fischer SS102 connector
- Weight, 32" cable: 90g
- Export classification: ECCN 3A611.x

AN/PRC-117G, RF-7800M-MP, RF7800H-MP Radio Cable

HOW TO ORDER

Sample Part Number:	808-035	-24
Cable Series	AN/PRC-117G Radio Adapter Cable	
Length Designator	In inches (6.00" min.) Omit for default length of 32.00"	

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

OVERALL LENGTH "L"

SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

MASTER KEY

P1

(6.00)

(1.00)

MASTER KEY

P2

GLENAIR CONNECTOR, 8070-1675-01ZNU6-6SY

TPE OVERMOLD

5V REGUALTOR TPE OVERMOLD

(PART NUMBER) GLENAIR YYWW 06324

TPE OVERMOLD

FISCHER CONNECTOR, SS 102 Z056-140

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Radio cables and adapters

808-088 AN/PRC-117G Radio Cable (PAN Port)
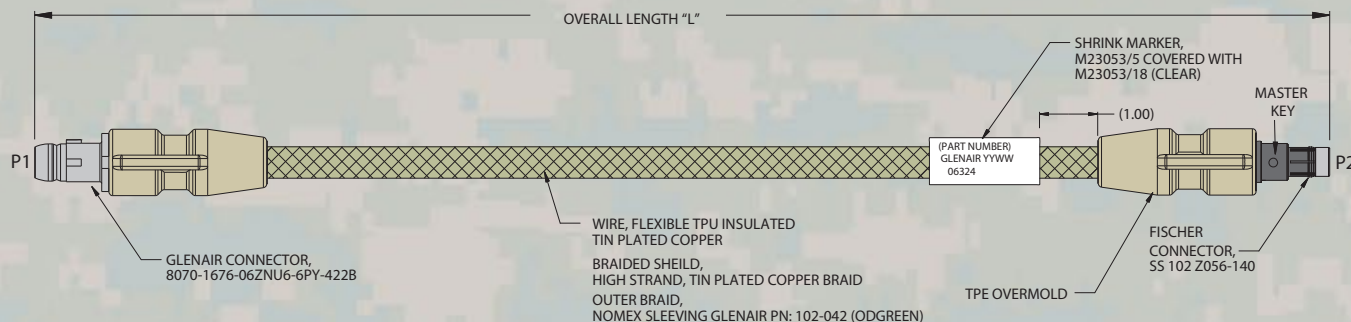
STAR-PAN™

SPECIFICATIONS

- For interconnection of referenced man-pack radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) connector and Fischer connector.
- Weight, 32" cable: 90g
- Export classification: ECCN 3A611.x
- PAN Port connection

**AN/PRC-117G,
RF-7800M-MP,
RF7800H-MP
Radio Cable**

HOW TO ORDER

Sample Part Number:	808-088	-36
Cable Series	AN/PRC-117G / RF7800 Radio Adapter Cable	
Length Designator	In inches Omit for default length of 32.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

MASTER
KEY

(1.00)

(PART NUMBER)
GLENAIR YYWW
06324

P1

P2

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY-422B

WIRE, FLEXIBLE TPU INSULATED
TIN PLATED COPPER

BRAIDED SHEILD,
HIGH STRAND, TIN PLATED COPPER BRAID
OUTER BRAID,
NOMEX SLEEVING GLENAIR PN: 102-042 (ODGREEN)

FISCHER
CONNECTOR,
SS 102 Z056-140

TPE OVERMOLD

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

AN/PRC-163 Radio Adapter

SPECIFICATIONS

- For interconnection of referenced man-pack radio type to STAR-PAN power / data hubs
- Nomex® braided wire protection, olive drab.
- Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) connectors
- Weight: 80g
- Export classification: ECCN 3A611.x
- PAN Port connection

HOW TO ORDER

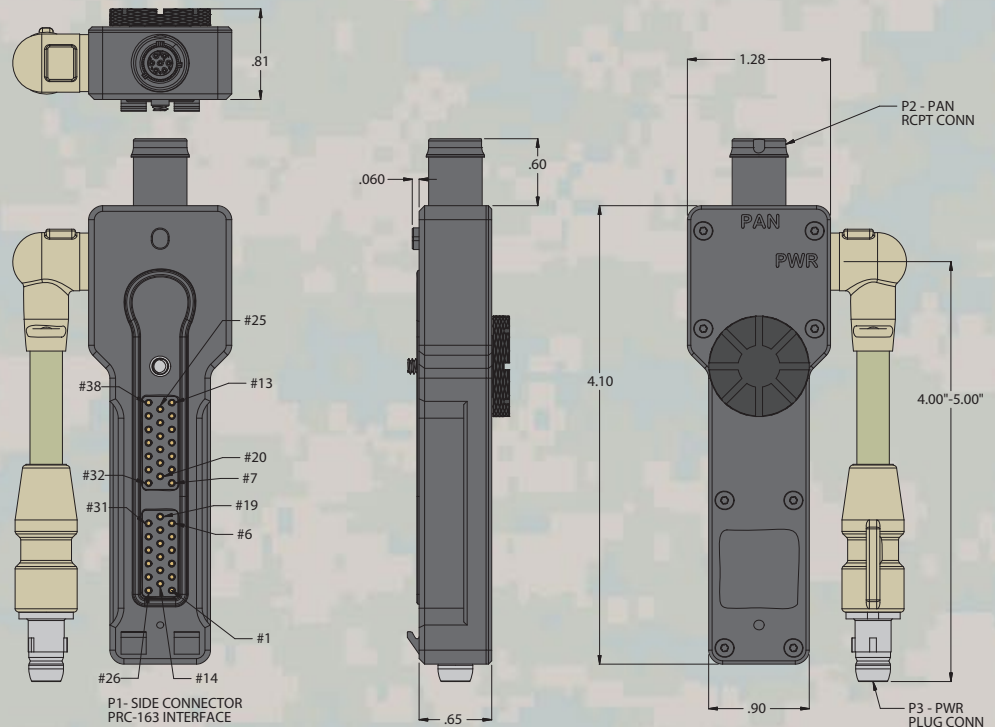| Sample Part Number:	TS8	-402
Cable Series	AN/PRC-163 Radio Adapter	
I/O Designator	**-402** = Red I/O **-416** = Black I/O	

STAR-PAN™

QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI

.81

.060
.60

1.28

P2 - PAN
RCPT CONN

PAN

PWR

4.10

4.00"-5.00"

#25

#38   #13

#32   #20
#7

#31   #19
#6

#1

#26   #14

.65

.90

P3 - PWR
PLUG CONN

P1- SIDE CONNECTOR
PRC-163 INTERFACE

JTAC-TOUGH™

STAR-PAN™

Power / battery cables and adapters

BA5590/ BB2590 Battery Shoe

Radio Power Booster For Harris, L3, Silvus, and other radios

Conformal Battery Adapter Cable

STAR-PAN™

Power cables and battery adapters
808-048 BA5590 / BB2590 battery shoe

POWER

**BA5590/BB2590
Battery Shoe**

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

SPECIFICATIONS

- For connection of referenced battery to STAR-PAN power / data hubs
- Aluminum housing, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) and BA5590/BB2590 battery connectors
- Weight: 96g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-048
Cable Series	BA5590 / BB2590 Battery Shoe

1.55
1.30

GLENAIR INTERFACE
807-874-01ZNU6-6SY

3.17
2.90
.70

VELCRO STRAP SLOT
STRAP INCLUDED
PANDUIT PN: HLC5S-X0
.75" X 18" BLACK

ALUMINUM HOUSING
GLENAIR PLATING CODE ZR

P2
1.115

P1

BB2590 BATTERY CONNECTOR
DATA (PINS 2-5)
CLOCK (PINS 2-5)

808 - 048
06324 1313
BB2590 BATTERY
ADAPTER

POWER CABLES AND BATTERY ADAPTERS
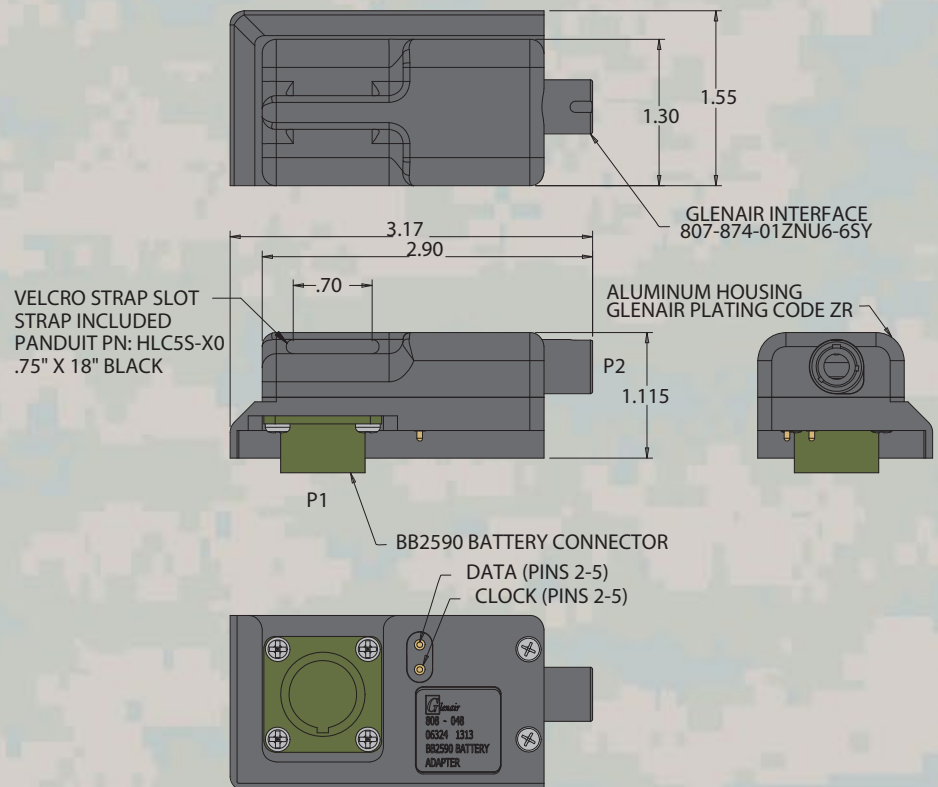
STAR-PAN™

Power cables and battery adapters
808-242 BB2590 Battery Adapter with Charging and SMBus

STAR-PAN™

SPECIFICATIONS

- For connection of referenced battery to STAR-PAN power / data hubs
- Aluminum housing, Olive Drab epoxy paint finish
- Strap color options: standard Coyote Tan, Ranger Green, or Black
- Mighty Mouse 807 (NATO standard) Power In / Battery connectors and BB2590 battery connector
- Weight: 286g
- Export classification: EAR 99

HOW TO ORDER

Sample Part Number:	808-242	-GRN
Cable Series	BB2590 Battery Connector	
Strap Color Option	**-BLK** = Black **-GRN** = Ranger Green **Omit** = Coyote Tan	

**BB2590 Parallel Charging
Battery Adapter with SMBus**

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

BATT

PWR IN

BB2590 CHARGER

(1.00)

2.70

1.25

4.60

SMBUS

BB2590

STAR-PAN™

Power cables and battery adapters
808-133 BT-70838 BE Battery Connector
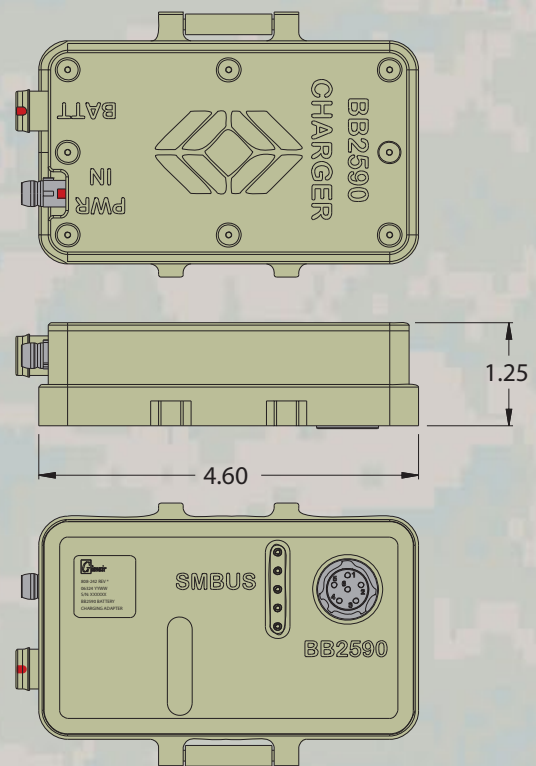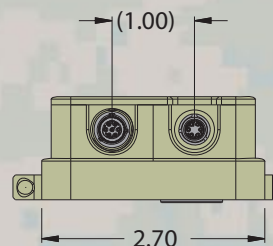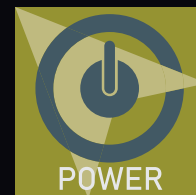
Battery Connector for Bren-Tronics BT-70838 BE Battery

STAR-PAN™

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

SPECIFICATIONS

- For connection of specified radio batteries to STAR-PAN power / data hubs
- Mighty Mouse 807 (NATO standard) connector
- Weight, standard 21" cable: 76g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-133	-28
Cable Series	BT-70838BE Battery Connector	
Length Designator	In inches Omit for default length of 21.00"	

OVERALL LENGTH "L"

P1

P2

(1.00)

(PART NUMBER)
GLENAIR YYWW
06324

BREN-TRONICS CABLE,
BTA-70838-8

TPE

MASTER KEY

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

GLENAIR CONNECTOR
8070-1675-01ZNU6-6SY
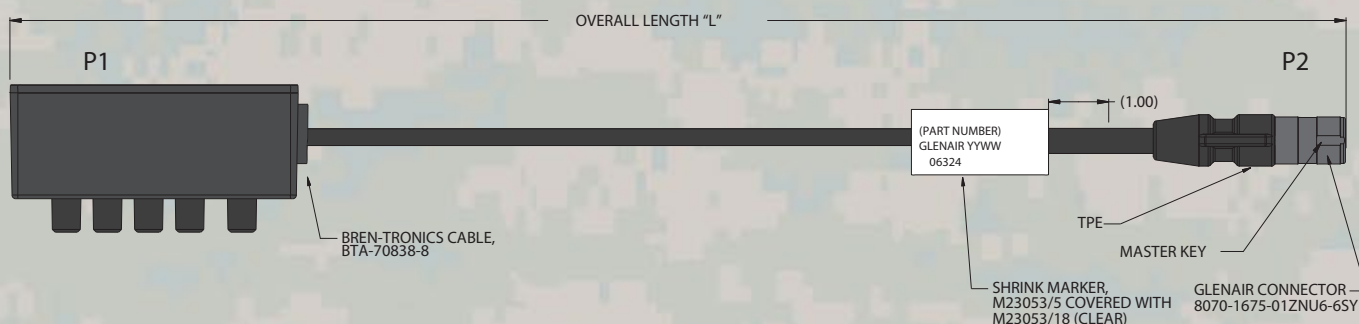
LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Power cables and battery adapters
808-066 Battery Shoe for Harris and BT70716XX Handheld Radios

STAR-PAN™

POWER CABLES AND BATTERY ADAPTERS

Battery Shoe connects Harris handheld radio and Bren-Tronics BT70716XX batteries

STAR-PAN™

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

SPECIFICATIONS

- For connection of specified radio batteries to STAR-PAN power / data hubs
- Aluminum housing, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) connector
- Weight: 70g
- Export classification: ECCN 3A611.x
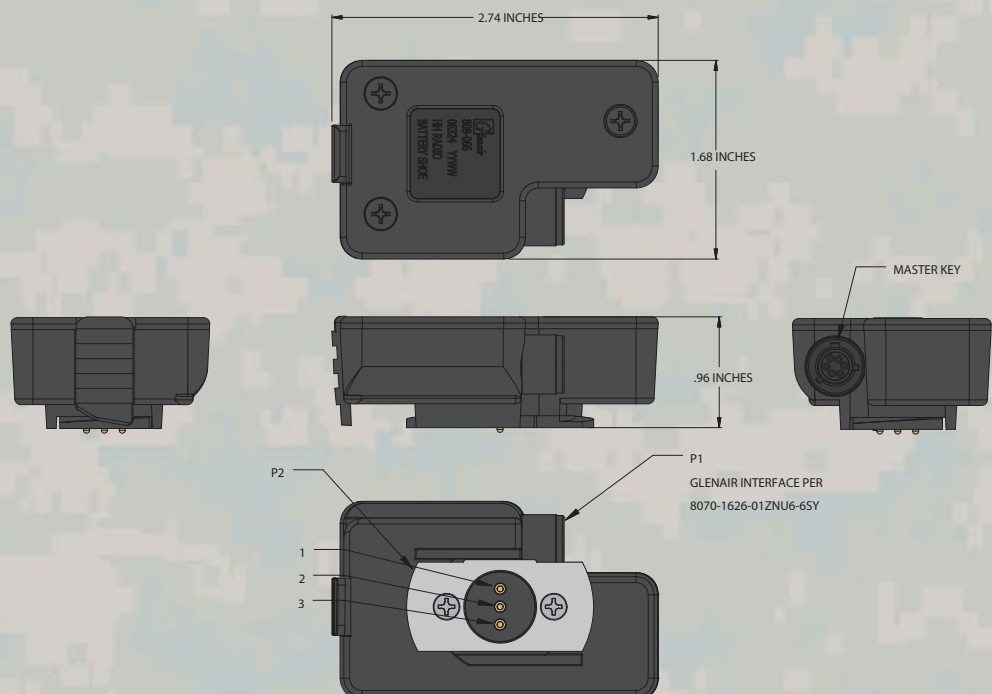
HOW TO ORDER

Sample Part Number:	808-066
Cable Series	Battery Shoe Adapter for Handheld Radios

2.74 INCHES

1.68 INCHES

.96 INCHES

MASTER KEY

P2

P1
GLENAIR INTERFACE PER
8070-1626-01ZNU6-6SY

1
2
3

STAR-PAN™

Power cables and battery adapters
808-063 Radio Power Booster
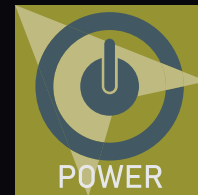
POWER

For Harris AN/PRC-152 / 152A, RF-7800M-HH, RF-7850-TR, L3 TNR, Silvus SC42 / SC44, DTC Radios

SPECIFICATIONS

- Radio Power Booster enables trickle charging of radio batteries and radio holdup to hub
- Aluminum housing, black zinc-nickel finish
- Overmolded, ergonomic connector strain reliefs, black.
- Santoprene jacketed cable, black
- Mighty Mouse 807 (NATO standard) connector
- Weight: 172g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Part Number:	808-068
Cable Series	Radio Power Booster

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

PRC-152/PRC-148
RADIO INTERFACE

GLENAIR CONNECTOR
8070-2458-01ZNU6-6SY

(4.5)

1.8 MAX

LABEL

1.7 MAX

3.2 MAX

(.40)
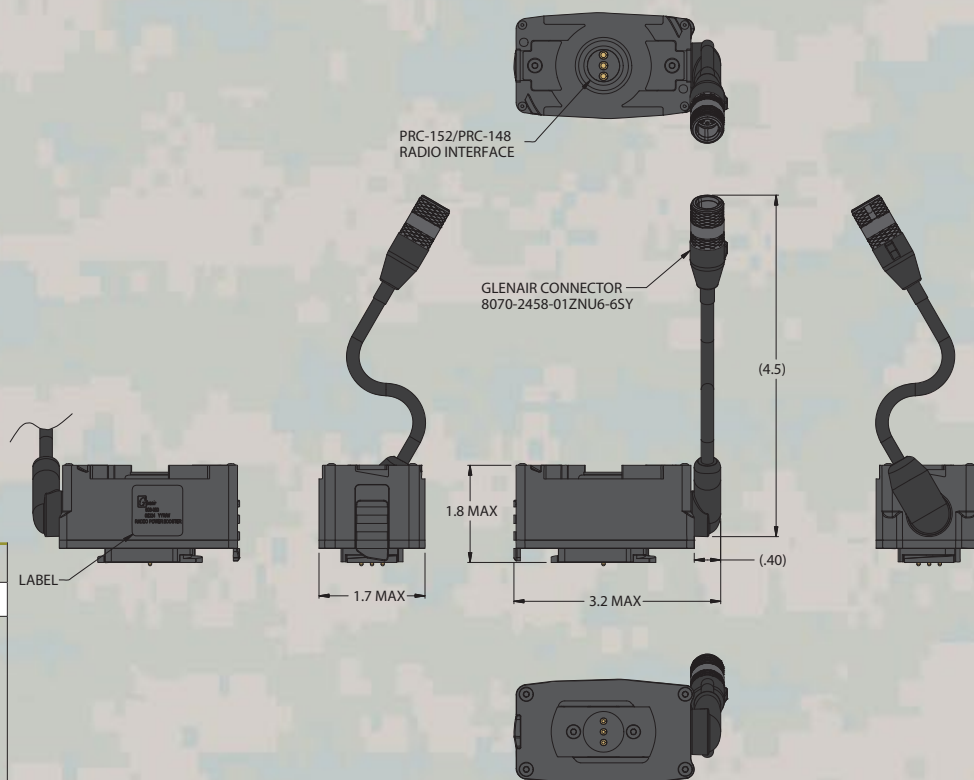
SUPPLIED ACCESSORY

Part No. 808-144
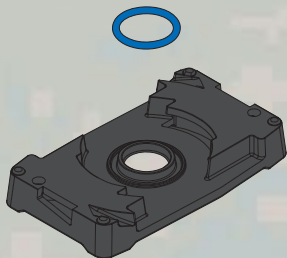
Dust Cover with O-Ring Seal
Rugged black polycarbonate with fluorosilicone O-ring supplied with each assembly

JTAC-TOUGH™

STAR-PAN™

Power cables and battery adapters
808-059 Cigarette Lighter Power Adapter Cable

Cigarette lighter power adapter cable

SPECIFICATIONS

- For connection of STAR-PAN power / data hubs to vehicle cigarette lighter
- Provides conditioned vehicle power
- Mighty Mouse 807 (NATO standard) connector
- Weight, standard 72" cable: 84g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-059
Cable Series	Cigarette Lighter Power Adapter Cable

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**
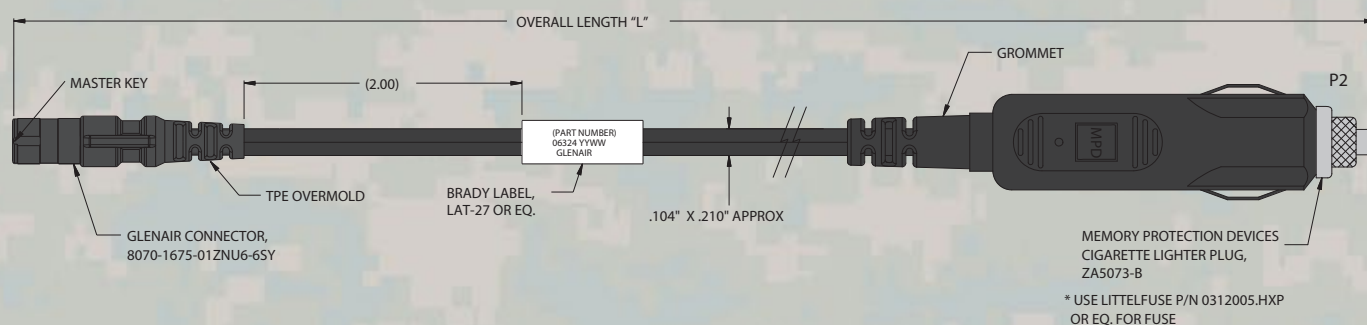
OVERALL LENGTH "L"

MASTER KEY

(2.00)

GROMMET

P2

TPE OVERMOLD

(PART NUMBER)
06324 YYWW
GLENAIR

BRADY LABEL,
LAT-27 OR EQ.

.104" X .210" APPROX

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY

MEMORY PROTECTION DEVICES
CIGARETTE LIGHTER PLUG,
ZA5073-B

* USE LITTELFUSE P/N 0312005.HXP
OR EQ. FOR FUSE

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Power cables and battery adapters
808-064 AC/DC Power Adapter Cable
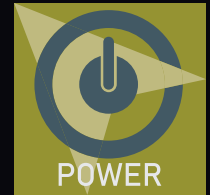
POWER

AC/DC power adapter cable

SPECIFICATIONS

- For connection of STAR-PAN power / data hubs to standard power outlets
- Worldwide wall outlet compatibility
- Mighty Mouse 807 (NATO standard) connector
- Weight, 110" cable: 590g
- Export classification: ECCN 3A611.x

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	808-064	-EU	-120
Cable Series	AC/DC Power Adapter		
Plug Type Option	**US**, **EU**, **UK**, **AU**, **KR**, **DM**, **SW** (see code table below)		
Length Designator	In inches Omit for default length of 110.00"		

OVERALL LENGTH "L"

(2.00)

MASTER KEY

(PART NUMBER)
06324 YYWW
GLENAIR

TPE OVERMOLD

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY

BRADY LABEL,
LAT-27 OR EQ.

AC/DC POWER ADAPTER
SPI: AD120ABAN2-D12

AC CABLE
SPI PN: PCR-B3US-183C OR EQ. (see table)
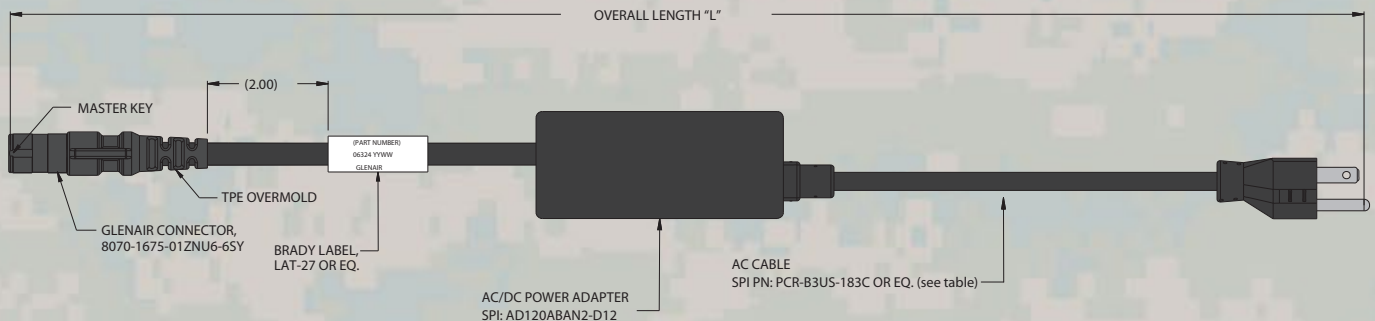
AC Plug Type Option			
Code	**P/N**	**Country / Region**	**Mating Ref.**
US	PCR-B3US-183C	North America (default)	Type B
EU	PCR-B3REU-183B	Europe	Type E/F
UK	PCR-B3UK-183B2	United Kingdom	Type G
AU	PCR-B3AU-183B	Australia	Type I
KR	PCR-BRKR-183B	South Korea	Type F
DM	PCR-B3RDM-183B	Denmark	Type K
SW	PCR-B3SW-183B	Switzerland	Type G

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™

STAR-PAN™

Targeting device cables and adapters

STAR-PAN TARGETING DEVICE CABLES AND BATTERY ADAPTERS

Part No. / Description		Page No.
808-041	Vector 21 / 23B Cable	67
808-049	PLRF 15C / 25C Cable	68
808-238	PLRF 15C / 25C Cable (EUD)	69
808-212	STERNA True North Finder (TNF) cable	70
808-241	JIM-LR with STERNA Cable	71
808-246	JIM-LR Cable	72
808-219	JIM Compact Cable	73
808-217	Moskito TI with STERNA Cable	74
808-218	Moskito TI Cable	75
808-251	Moskito TI RS-232 to USB Converter Cable	76

Safran Vectronix Vector 21/21B and Moskito Data Cable

PLRF 15C/25C Laser Range Finder Cable

Safran Vectronix STERNA TNF Data Cable

STAR-PAN™

Targeting device cables and adapters
808-041 Vector 21 / 23B Cable

TARGETING

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- Santoprene-jacketed cable and ergonomic TPE overmold
- Trigger assembly with integrated RS-232 to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Fischer peripheral device connectors
- Weight, 54" cable: 205g
- Export classification: ECCN 3A611.x

For Safran Vectronix Vector 21/21B and Moskito

HOW TO ORDER

Sample Part Number:	808-041
Cable Series	Vector 21/23B/Moskito Data Cable

STAR-PAN™

QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI

TARGETING CABLES AND ADAPTERS

54.00 INCHES (+1.80/-0.00)

20.00 INCHES (+1.80/0.00)

SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

(PART NUMBER)
GLENAIR YYWW
06324

(1.00)

P2

P1

CABLE JACKETED, SANTOPRENE

VECTOR TRIGGER ASSEMBLY, RS-232 TO USB CONVERSION IN TPE OVERMOLD

CABLE JACKETED, SANTOPRENE

TPE OVERMOLD

FISCHER CONNECTOR.
WSO 1031 A012-142+9H
W/ CLAMP E3 1031.13/6.7

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

STAR-PAN™

Targeting device cables and adapters
808-049 PLRF 15C / 25C Cable

**PLRF 15C / 25C
Laser Range Finder Cable**

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- Santoprene-jacketed cable and ergonomic TPE overmold
- Integrated RS-232 to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Lemo peripheral device connectors
- Weight, 45" cable: 76g
- Export classification: ECCN 3A611.x
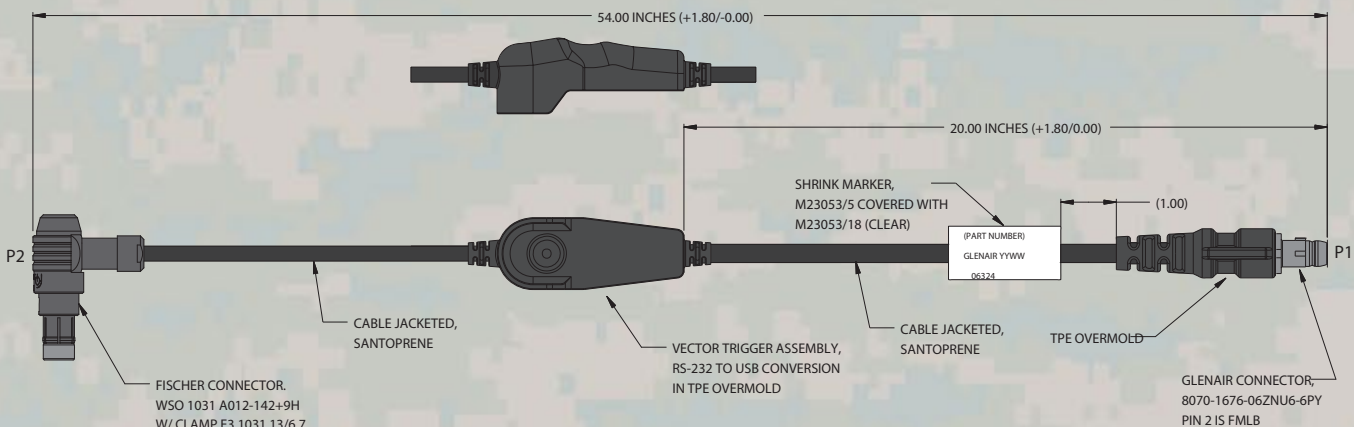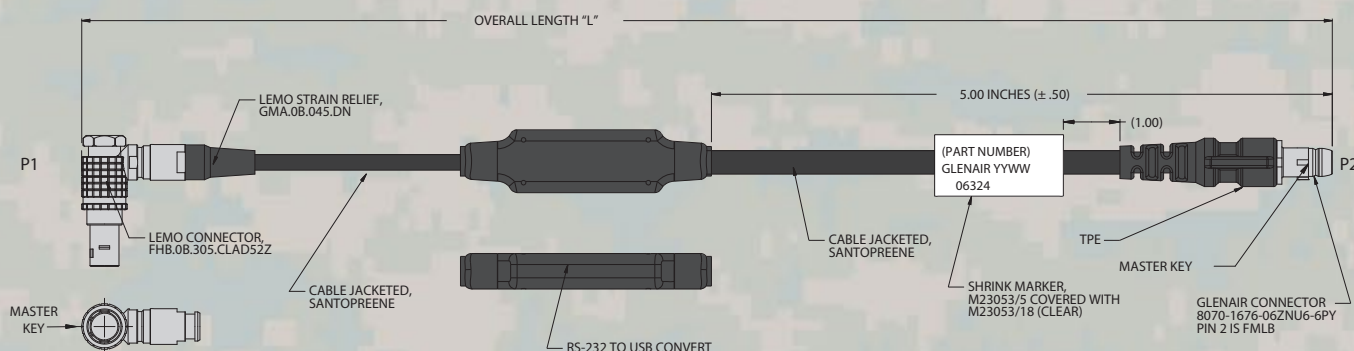
HOW TO ORDER

Sample Part Number:	808-049	-50
Cable Series	PLRF 15C/25C Laser Range Finder Cable	
Length Designator	In inches. Omit for default length of 45.00"	

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

LEMO STRAIN RELIEF, GMA.0B.045.DN

5.00 INCHES (± .50)

(1.00)

P1

(PART NUMBER) GLENAIR YYWW 06324

P2

LEMO CONNECTOR, FHB.0B.305.CLAD52Z

CABLE JACKETED, SANTOPREENE

TPE

MASTER KEY

MASTER KEY

CABLE JACKETED, SANTOPREENE

RS-232 TO USB CONVERT

SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

GLENAIR CONNECTOR 8070-1676-06ZNU6-6PY PIN 2 IS FMLB

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Targeting device cables and adapters
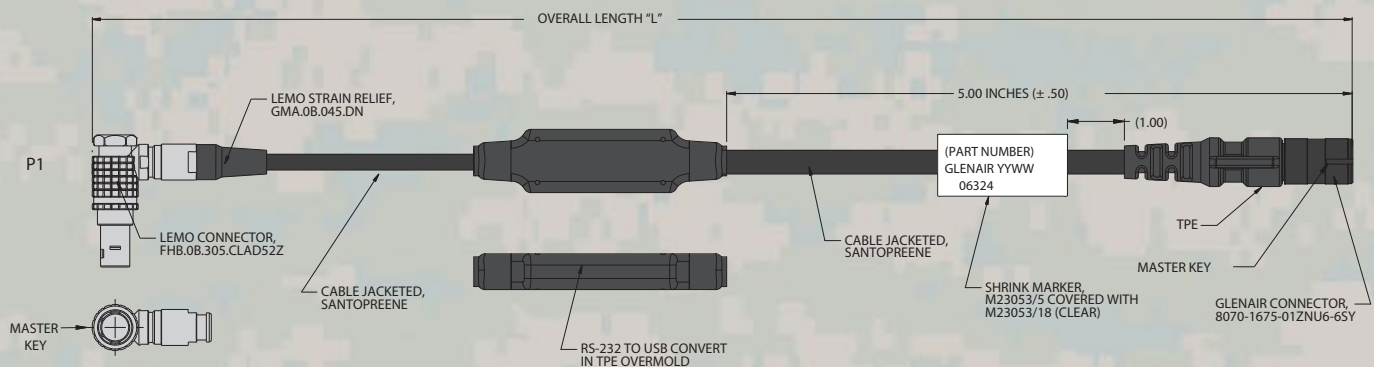## 808-238 PLRF 15C / 25C Cable (EUD)

TARGETING

SPECIFICATIONS

- For connection of referenced targeting device to End User Device
- Santoprene-jacketed cable and ergonomic TPE overmold, black
- Integrated RS-232 to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Lemo peripheral device connectors
- Weight, 45" cable: 76g
- Export classification: ECCN 3A611.x

**PLRF 15C/25C
Laser Range Finder Cable**

**RS-232 to USB,
EUD connection**

HOW TO ORDER

Sample Part Number:	808-238	-1	-36
Cable Series	PLR RS-232 to USB Converter Cable		
ID Option	**-1** for 49.9 kOhm **-2** for 64.9 kOhm		
Length Designator	In inches. Omit for default length of 45.00"		

OVERALL LENGTH "L"

5.00 INCHES (± .50)

(1.00)

P1

LEMO STRAIN RELIEF,
GMA.0B.045.DN

(PART NUMBER)
GLENAIR YYWW
06324

TPE

LEMO CONNECTOR,
FHB.0B.305.CLAD52Z

CABLE JACKETED,
SANTOPREENE

MASTER KEY

CABLE JACKETED,
SANTOPREENE

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY

MASTER
KEY

RS-232 TO USB CONVERT
IN TPE OVERMOLD

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Targeting device cables and adapters
808-212 STERNA True North Finder (TNF) Cable

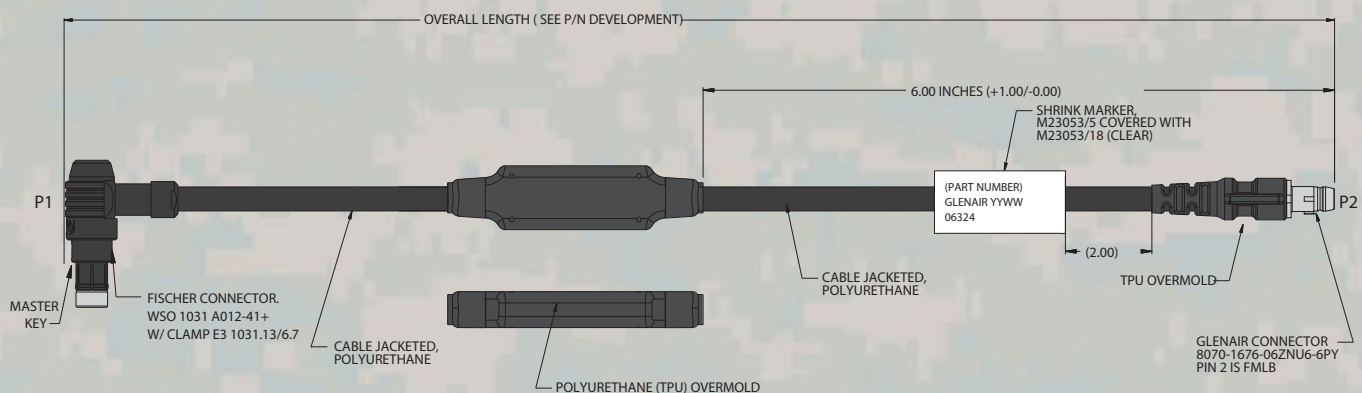**STERNA True North Finder (TNF) Cable**

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- Polyurethane-jacketed cable and ergonomic TPU overmold
- Integrated RS-232 to USB conversion circuitry
- Supplies power to STERNA TNF
- Mighty Mouse 807 (NATO standard) hub and Fischer peripheral device connectors
- Weight, standard 24" cable: 110g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-212	-18
Cable Series	STERNA TNF Data Cable	
Length Designator	In inches. Omit for default length of 24.00"	

OVERALL LENGTH (SEE P/N DEVELOPMENT)

6.00 INCHES (+1.00/-0.00)

SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

(PART NUMBER) GLENAIR YYWW 06324

(2.00)

P1

P2

MASTER KEY

FISCHER CONNECTOR. WSO 1031 A012-41+ W/ CLAMP E3 1031.13/6.7

CABLE JACKETED, POLYURETHANE

POLYURETHANE (TPU) OVERMOLD

CABLE JACKETED, POLYURETHANE

TPU OVERMOLD

GLENAIR CONNECTOR 8070-1676-06ZNU6-6PY PIN 2 IS FMLB

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Targeting device cables and adapters
808-241 JIM-LR with STERNA Cable

TARGETING

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- Polyurethane-jacketed cable and ergonomic TPE overmold, black
- Integrated RS-422 to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Lemo peripheral device connectors
- Weight, 48" cable: 235g
- Export classification: ECCN 3A611.x

JIM-LR with STERNA Cable

HOW TO ORDER

Sample Part Number:	808-241	-36
Cable Series	STERNA/JIM-LR RS-422 to USB Converter Cable	
Length Designator	In inches, 12" minimum Omit for default length of 48.00"	

STAR-PAN™

QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI

OVERALL LENGTH (SEE P/N DEVELOPMENT)

(2.00)

P2

MASTER KEY

P1

MASTER KEY

MASTER KEY
P4
TO
STAR-PAN
HUB

(PART NUMBER)
GLENAIR YYWW
06324

TPE OVERMOLD W/
RS-422 TO USB CONVERTER

SHRINK LABEL
M23053/5 (BLK)
COVERED W/
M23053/18 (CLR)

TPE OVERMOLD

TPE OVERMOLD
TYP.2

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

12.00 INCHES (+1.80/-0.00)

BERNIER CONNECTOR,
CMA 5Y14 OR EQ.
W/ CMA RA18-79

BERNIER CONNECTOR,
CMA SC5N22 OR EQ.
W/ XXXX

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Targeting device cables and adapters
808-246 JIM-LR Cable

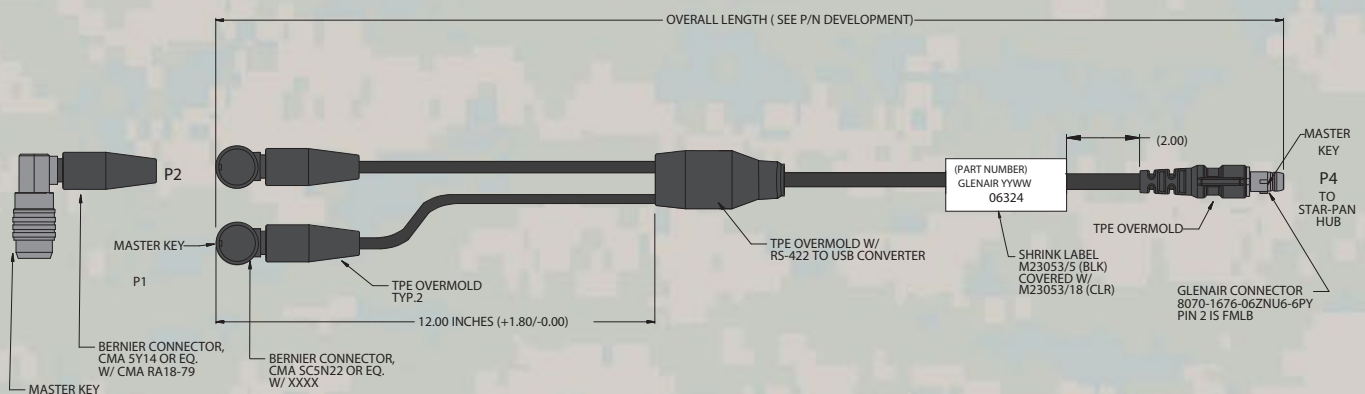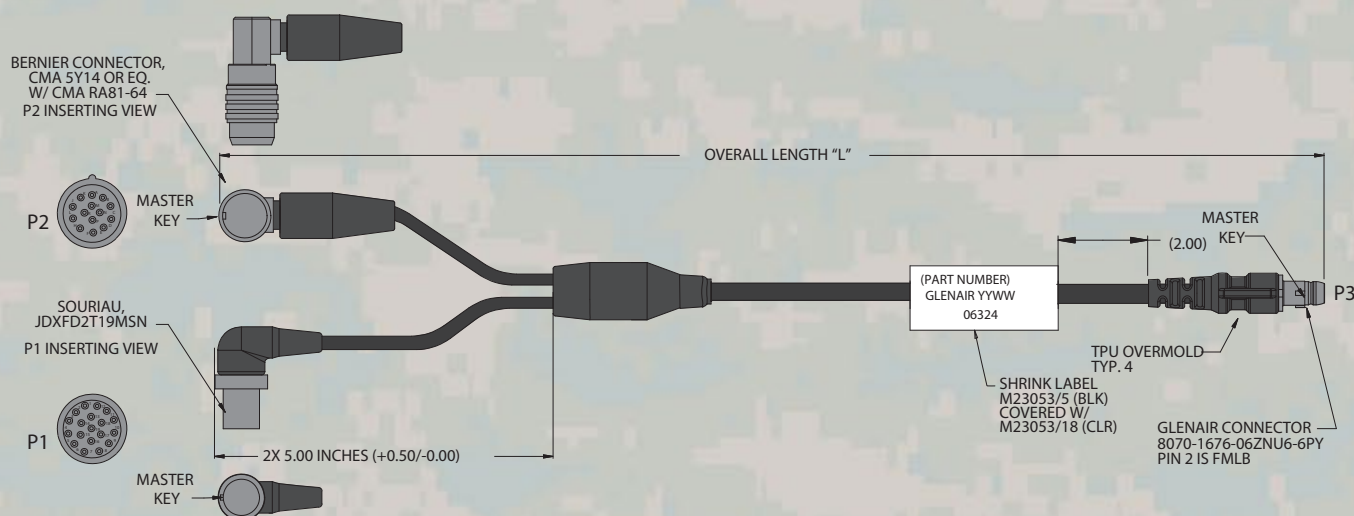**STAR-PAN**™

JIM-LR Cable

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- Polyurethane-jacketed cable and ergonomic TPU overmold, black
- Integrated RS-422 to USB conversion circuitry
- Supplies power to JIM-LR
- Mighty Mouse 807 (NATO standard) hub, Bernier (power) and Souriau (data) peripheral device connectors
- Weight, 48" cable: 235g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-246	-52
Cable Series	STERNA/JIM-LR RS-422 to USB Converter Cable	
Length Designator	In inches, 12" minimum Omit for default length of 48.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

BERNIER CONNECTOR,
CMA 5Y14 OR EQ.
W/ CMA RA81-64
P2 INSERTING VIEW

OVERALL LENGTH "L"

P2   MASTER
KEY

MASTER
KEY

(2.00)

SOURIAU,
JDXFD2T19MSN

P1 INSERTING VIEW

(PART NUMBER)
GLENAIR YYWW
06324

P3

P1

TPU OVERMOLD
TYP. 4

MASTER
KEY

2X 5.00 INCHES (+0.50/-0.00)

SHRINK LABEL
M23053/5 (BLK)
COVERED W/
M23053/18 (CLR)

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Targeting device cables and adapters
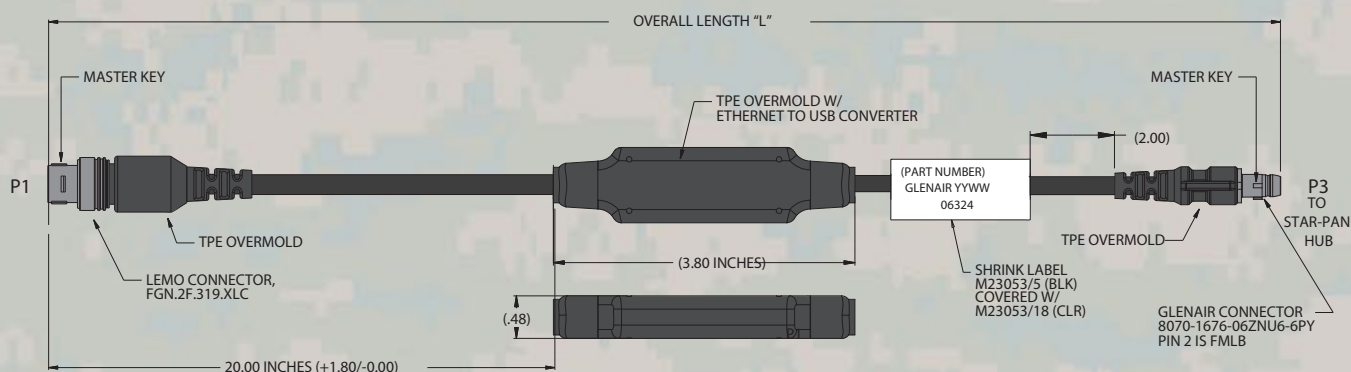## 808-219 JIM Compact Cable

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- Polyurethane-jacketed cable and ergonomic TPE overmold, black
- Integrated Ethernet to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Lemo peripheral device connectors
- Weight, 40" cable: 115g
- Export classification: ECCN 3A611.x

**JIM Compact
Cable**

HOW TO ORDER

Sample Part Number:	808-219	-30
Cable Series	JIM Compact Adapter Cable	
Length Designator	In inches. Omit for default length of 40.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

MASTER KEY

MASTER KEY

TPE OVERMOLD W/
ETHERNET TO USB CONVERTER

(2.00)

P1

(PART NUMBER)
GLENAIR YYWW
06324

P3
TO
STAR-PAN
HUB

TPE OVERMOLD

TPE OVERMOLD

LEMO CONNECTOR,
FGN.2F.319.XLC

(3.80 INCHES)

SHRINK LABEL
M23053/5 (BLK)
COVERED W/
M23053/18 (CLR)

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

(.48)

20.00 INCHES (+1.80/-0.00)

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Targeting device cables and adapters
808-217 Moskito TI with STERNA Cable

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- Polyurethane-jacketed cable and ergonomic TPU overmold, black
- Integrated RS-232 to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Fischer peripheral device connectors
- Weight, 24" cable: (consult factory)
- Export classification: ECCN 3A611.x

Moskito TI with STERNA Cable

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

HOW TO ORDER

Sample Part Number:	808-217	-30
Cable Series	Moskito TI with Sterna RS-232 -USB Adapter Cable	
Length Designator	In inches. Omit for default length of 24.00"	
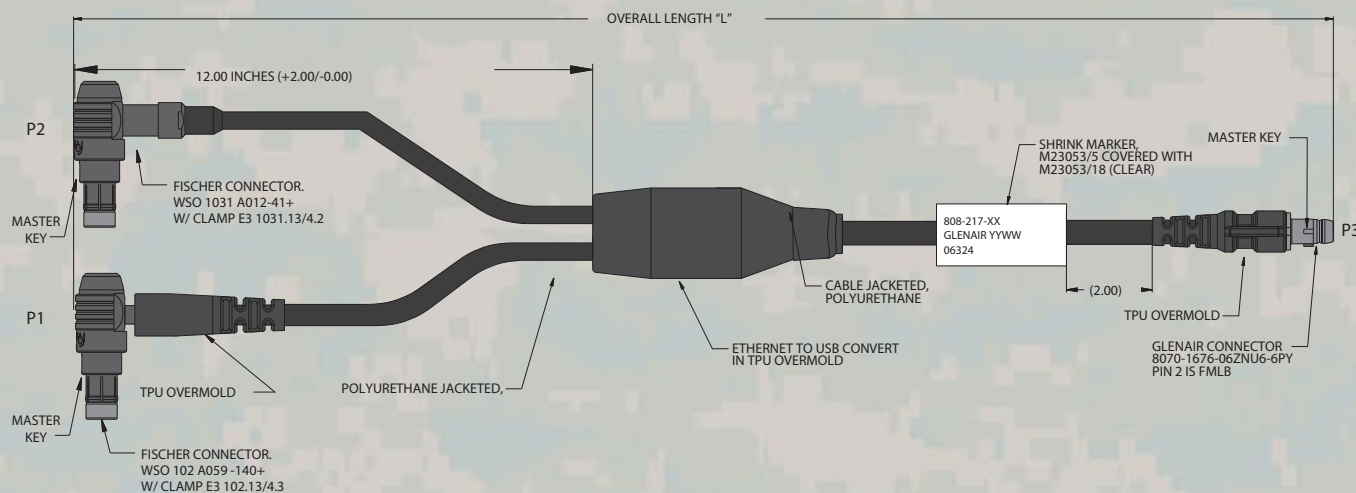
OVERALL LENGTH "L"

12.00 INCHES (+2.00/-0.00)

P2

FISCHER CONNECTOR.
WSO 1031 A012-41+
W/ CLAMP E3 1031.13/4.2

MASTER KEY

P1

MASTER KEY

TPU OVERMOLD

FISCHER CONNECTOR.
WSO 102 A059 -140+
W/ CLAMP E3 102.13/4.3

POLYURETHANE JACKETED,

ETHERNET TO USB CONVERT
IN TPU OVERMOLD

CABLE JACKETED,
POLYURETHANE

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

MASTER KEY

808-217-XX
GLENAIR YYWW
06324

(2.00)

TPU OVERMOLD

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

P3

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™
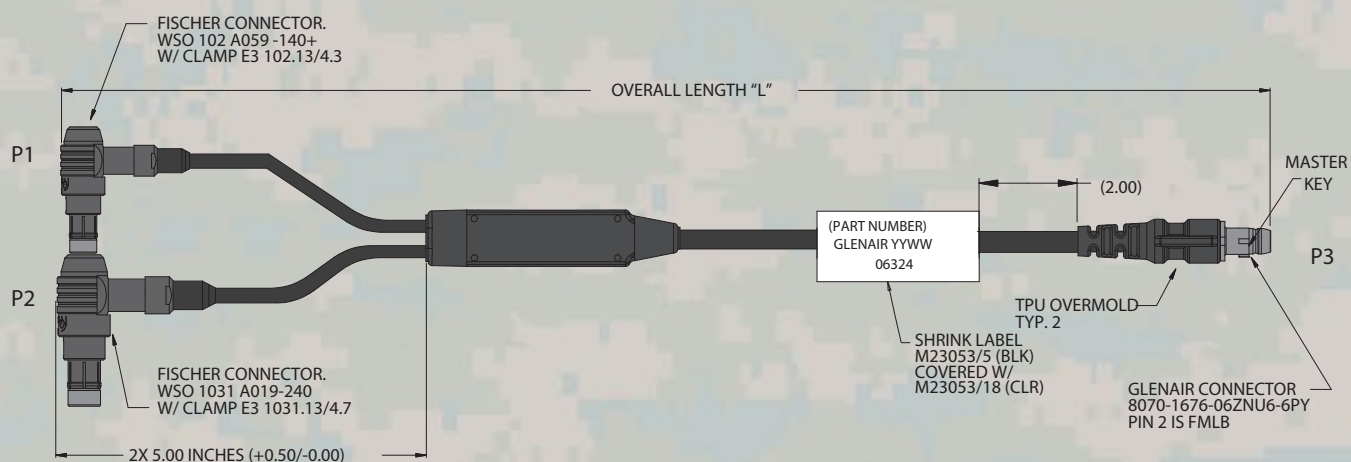## Targeting device cables and adapters
808-218 Moskito TI Cable

TARGETING

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- Polyurethane-jacketed cable and ergonomic TPU overmold, black
- Integrated Ethernet to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Fischer peripheral device connectors
- Weight, 24" cable: 150g
- Export classification: ECCN 3A611.x

Moskito TI Cable

HOW TO ORDER

Sample Part Number:	808-218	-30
Cable Series	Moskito TI Cable	
Length Designator	In inches. Omit for default length of 24.00"	

FISCHER CONNECTOR.
WSO 102 A059 -140+
W/ CLAMP E3 102.13/4.3

OVERALL LENGTH "L"

P1

MASTER KEY

(2.00)

P3

P2

(PART NUMBER)
GLENAIR YYWW
06324

TPU OVERMOLD
TYP. 2

FISCHER CONNECTOR.
WSO 1031 A019-240
W/ CLAMP E3 1031.13/4.7

SHRINK LABEL
M23053/5 (BLK)
COVERED W/
M23053/18 (CLR)

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

2X 5.00 INCHES (+0.50/-0.00)

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Targeting device cables and adapters
808-251 Moskito TI RS-232 to USB Converter Cable

STAR-PAN™

**Moskito TI
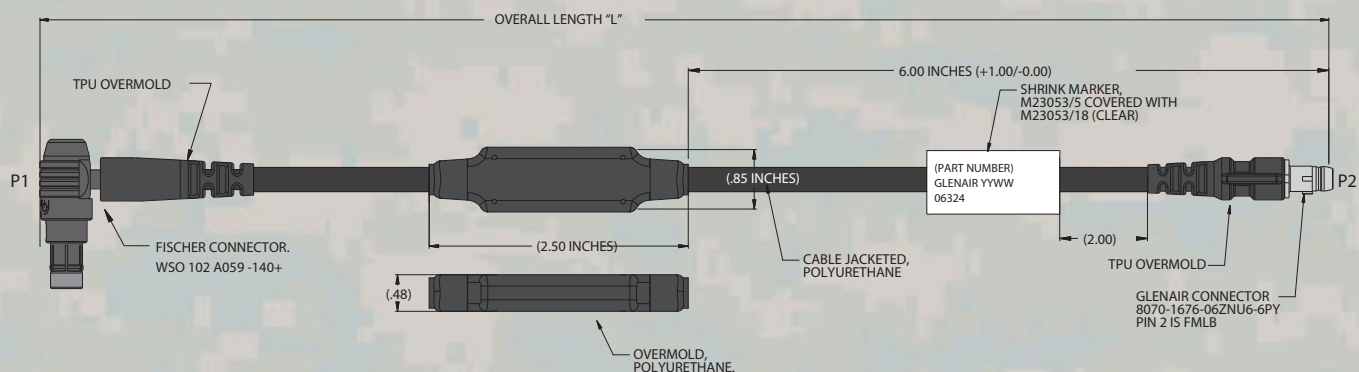Adapter Cable**

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- Polyurethane-jacketed cable and ergonomic TPU overmold, black
- Integrated RS-232 to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Fischer peripheral device connectors
- Weight, 24" cable: 59g
- Export classification: ECCN 3A611.x
- RS-232 and power
- PAN port connection

HOW TO ORDER

Sample Part Number:	808-251	-30
Cable Series	Moskito TI Adapter Cable	
Length Designator	In inches. Omit for default length of 24.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

TPU OVERMOLD

6.00 INCHES (+1.00/-0.00)

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

P1

(PART NUMBER)
GLENAIR YYWW
06324

P2

(.85 INCHES)

FISCHER CONNECTOR.
WSO 102 A059 -140+

(2.50 INCHES)

CABLE JACKETED,
POLYURETHANE

(2.00)

TPU OVERMOLD

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

(.48)

OVERMOLD,
POLYURETHANE.

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™

STAR-PAN™

Video downlink, GPS, and auxiliary device cables

DAGR GPS Navigation Cable

StrikeHawk Digital Adapter Cable

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
808-040 DAGR GPS Cable
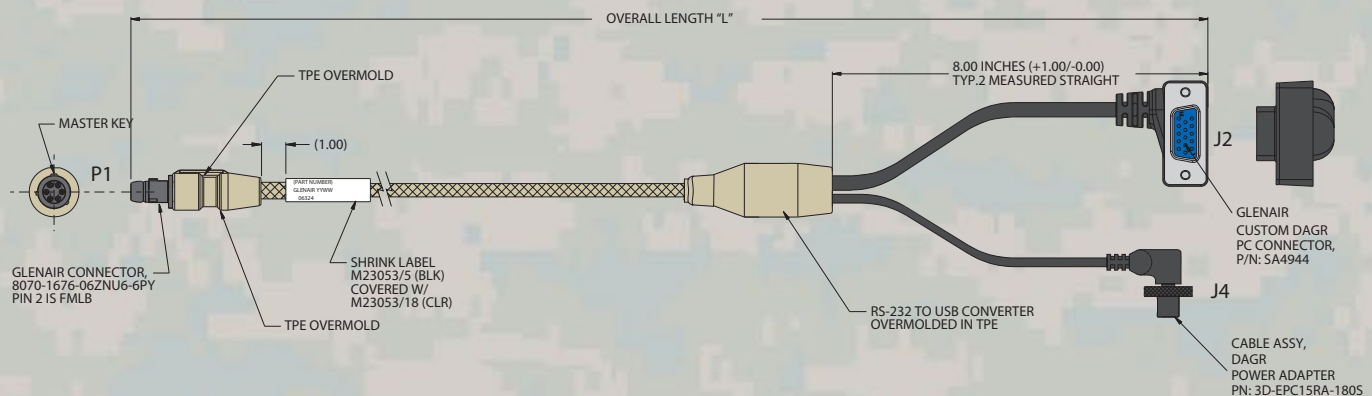
**DAGR GPS and
Micro DAGR-V
Cable**

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated RS-232 to USB conversion circuitry
- Nomex® braid, olive drab; and black Santoprene wire protection. Consult factory for other cable finish options.
- Overmolded, ergonomic connector strain reliefs.
- Black zinc-nickel stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors and custom DAGR PC and power connectors
- Weight, 24" cable: 104g
- Export classification: 3A611.x

HOW TO ORDER

Sample Part Number:	808-040	-36
Cable Series	DAGR GPS Cable	
Length Designator	In inches Omit for default length of 32.00"	

OVERALL LENGTH "L"

TPE OVERMOLD

MASTER KEY

8.00 INCHES (+1.00/-0.00)
TYP.2 MEASURED STRAIGHT

(1.00)

P1

[PART NUMBER]
GLENAIR YYWW
06324

J2

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

SHRINK LABEL
M23053/5 (BLK)
COVERED W/
M23053/18 (CLR)

GLENAIR
CUSTOM DAGR
PC CONNECTOR,
P/N: SA4944

J4

TPE OVERMOLD

RS-232 TO USB CONVERTER
OVERMOLDED IN TPE

CABLE ASSY,
DAGR
POWER ADAPTER
PN: 3D-EPC15RA-180S

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™
STAR-PAN™
Video downlink, GPS, and auxiliary device cables
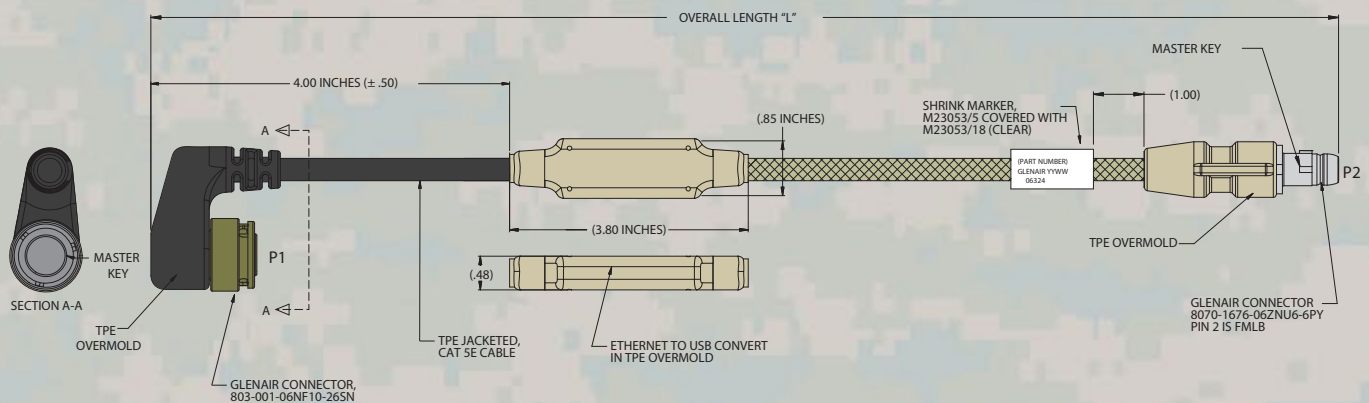## 808-045 TacROVER-p SIR 2.0 Cable

SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Nomex® braid, olive drab and TPE jacketed cable, black
- Overmolded, ergonomic connector strain reliefs.
- Mighty Mouse 807 (NATO standard) and 803 (bayonet-lock) connectors.
- Weight, 32" cable: 104g
- Export classification: 3A611.x

TacROVER-p SIR 2.0 Cable

HOW TO ORDER

Sample Part Number:	808-045	-36
Cable Series	TacROVER-p SIR 2.0 Cable	
Length Designator	In inches Omit for default length of 32.00"	

STAR-PAN™

QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI

OVERALL LENGTH "L"

MASTER KEY

4.00 INCHES (± .50)

(.85 INCHES)

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

(1.00)

A

(PART NUMBER)
GLENAIR YYWW
06324

P2

MASTER
KEY

P1

(3.80 INCHES)

TPE OVERMOLD

SECTION A-A

A

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

TPE
OVERMOLD

(.48)

TPE JACKETED,
CAT 5E CABLE

ETHERNET TO USB CONVERT
IN TPE OVERMOLD

GLENAIR CONNECTOR,
803-001-06NF10-26SN

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
808-068 TacROVER-p SIR 2.5 Cable

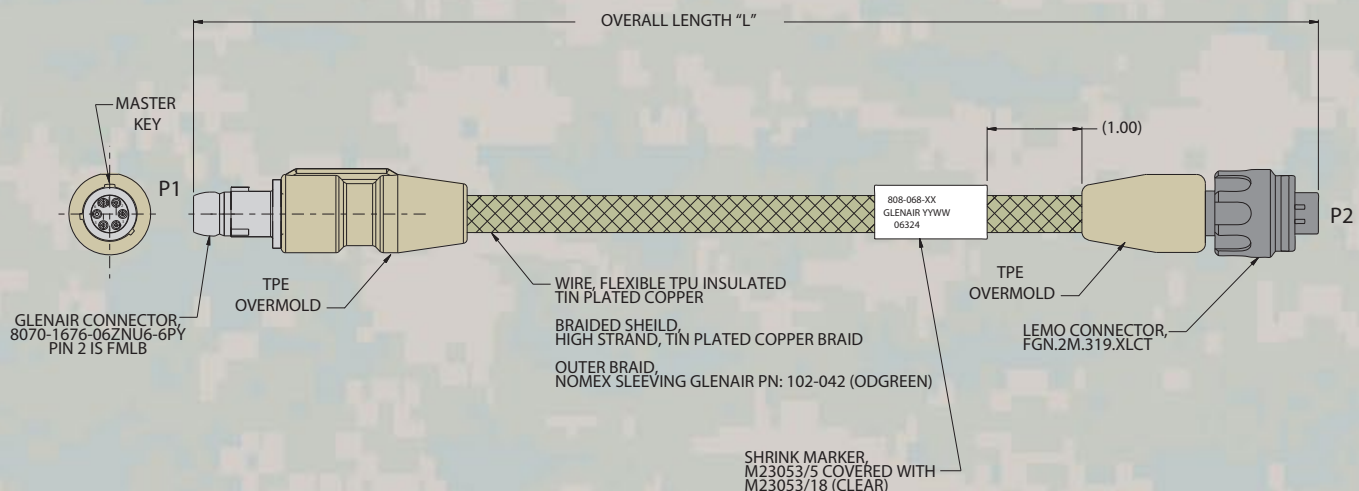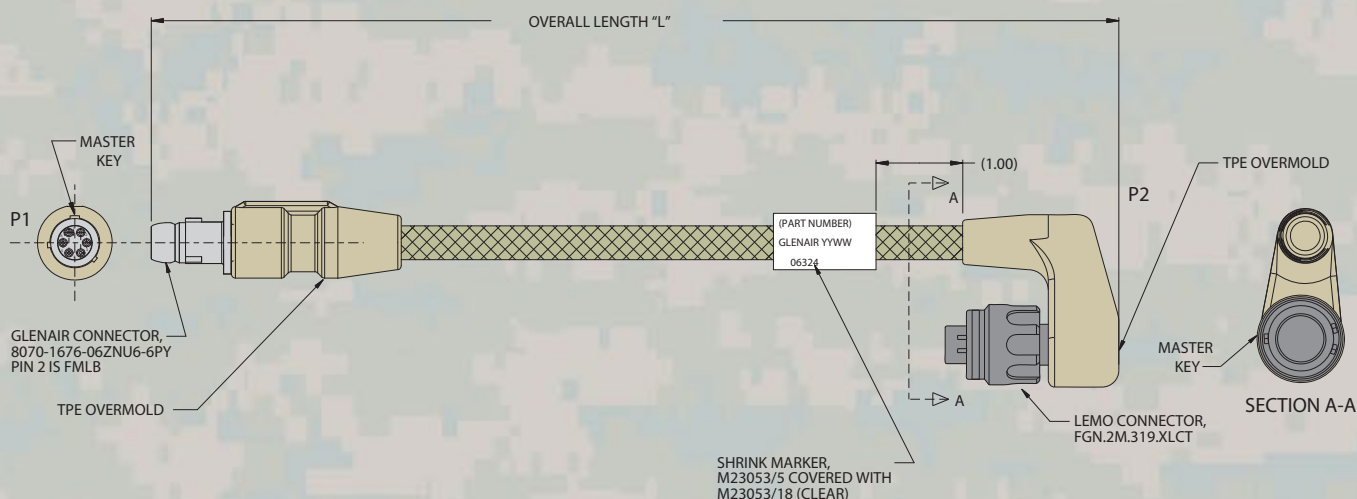**TacROVER-p and -e SIR 2.5 Cable**

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Nomex® braided cable, olive drab
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Mighty Mouse 807 (NATO standard) connectors and Lemo peripheral device connector
- Weight, 6" cable: (consult factory)
- Export classification: 3A611.x

HOW TO ORDER

Sample Part Number:	808-068	-8
Cable Series	TacROVER-e SIR 2.5 Cable	
Length Designator	In inches. 6.00" minimum	

OVERALL LENGTH "L"

MASTER KEY

P1

(1.00)

808-068-XX
GLENAIR YYWW
06324

P2

TPE OVERMOLD

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

WIRE, FLEXIBLE TPU INSULATED
TIN PLATED COPPER

BRAIDED SHEILD,
HIGH STRAND, TIN PLATED COPPER BRAID

OUTER BRAID,
NOMEX SLEEVING GLENAIR PN: 102-042 (ODGREEN)

TPE OVERMOLD

LEMO CONNECTOR,
FGN.2M.319.XLCT

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

LENGTH TOLERANCE: +1.00" (25.4 mm) / -0.00 for "L" from 6.00" (152.4mm) to 24" (609.6mm)
+1.80" (45.7mm) / -0.00 for "L" from 24" (609.6mm) to 60" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
808-043 TacROVER-p SIR 2.5 Video Cable

TacROVER-p and -e SIR 2.5 Cable

SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Nomex® braid, olive drab
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Mighty Mouse 807 (NATO standard) connectors and Lemo peripheral device connector
- Weight, 24" cable: 70g
- Export classification: 3A611.x

HOW TO ORDER

Sample Part Number:	808-043	-36
Cable Series	TacROVER-p and -e SIR 2.5 Cable	
Length Designator	In inches Omit for default length of 24.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

MASTER KEY

P1

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

TPE OVERMOLD

(PART NUMBER)
GLENAIR YYWW
06324

(1.00)

A

TPE OVERMOLD

P2

MASTER KEY

A

SECTION A-A

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

LEMO CONNECTOR,
FGN.2M.319.XLCT

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
808-082 TacROVER-e SIR 2.5 Cable

STAR-PAN™
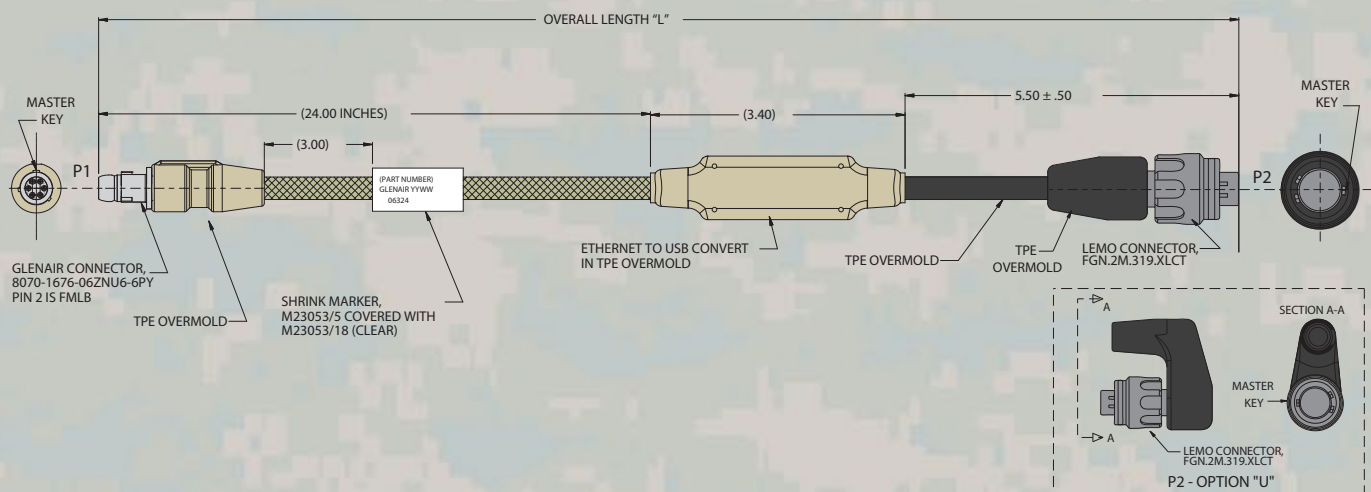
TacROVER-e SIR 2.5 Cable

SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Nomex® braid, olive drab and Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs.
- Mighty Mouse 807 (NATO standard) connectors and Lemo peripheral device connector
- Weight, 33" cable: (consult factory)
- Export classification: 3A611.x

HOW TO ORDER

Sample Part Number:	808-082	-U	-40
Cable Series	TacROVER-p SIR 2.5 Cable		
P2 Bend Option	**U** = "U" Bend, P2 Connector Side **Omit** for straight cable		
Length Designator	In inches Omit for default length of 33.00"		

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

MASTER KEY

(24.00 INCHES)

5.50 ± .50

MASTER KEY

(3.00)

(3.40)

P1

(PART NUMBER)
GLENAIR YYWW
06324

P2

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

ETHERNET TO USB CONVERT
IN TPE OVERMOLD

TPE
OVERMOLD

LEMO CONNECTOR,
FGN.2M.319.XLCT

TPE OVERMOLD

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

TPE OVERMOLD

SECTION A-A

MASTER KEY

A

A

LEMO CONNECTOR,
FGN.2M.319.XLCT

P2 - OPTION "U"

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
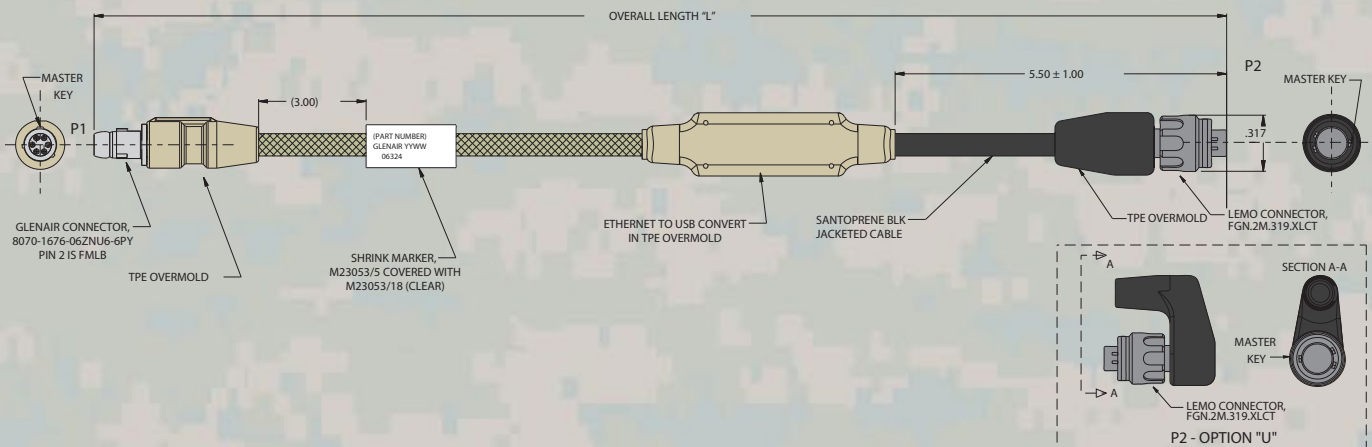## 808-067 TacROVER-p SIR 2.5 Cable

VIDEO / GPS

TacROVER-p SIR 2.5 Cable

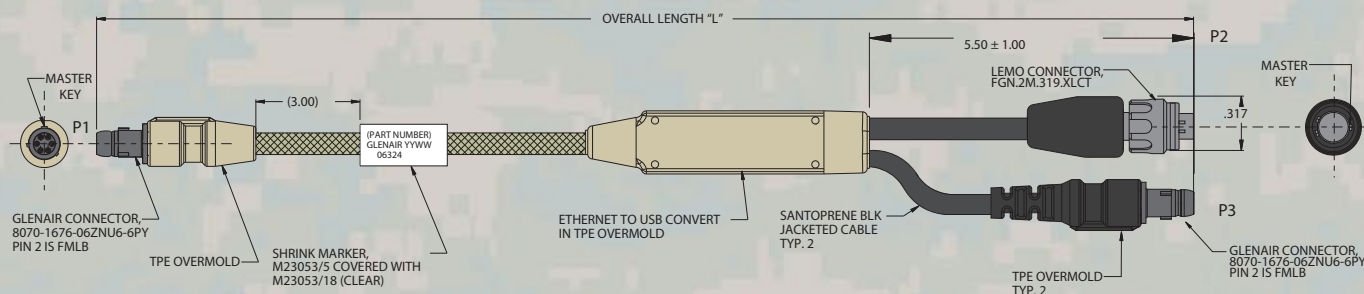### SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Provides power to device
- Nomex® braid, olive drab and Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs.
- Mighty Mouse 807 (NATO standard) connectors and Lemo peripheral device connector
- Weight, 33" cable: 106g
- Export classification: 3A611.x

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	808-067	-U	-40
Cable Series	TacROVER-p SIR 2.5 Cable		
P2 Bend Option	**U** = "U" Bend, P2 Connector Side **Omit** for straight cable		
Length Designator	In inches Omit for default length of 33.00"		

OVERALL LENGTH "L"

5.50 ± 1.00

P2

MASTER KEY

MASTER KEY

P1

(3.00)

(PART NUMBER)
GLENAIR YYWW
06324

.317

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

TPE OVERMOLD

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

ETHERNET TO USB CONVERT
IN TPE OVERMOLD

SANTOPRENE BLK
JACKETED CABLE

TPE OVERMOLD

LEMO CONNECTOR,
FGN.2M.319.XLCT

SECTION A-A

MASTER
KEY

A

A

LEMO CONNECTOR,
FGN.2M.319.XLCT

P2 - OPTION "U"

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
808-267 TacROVER-e SIR 2.5 Cable

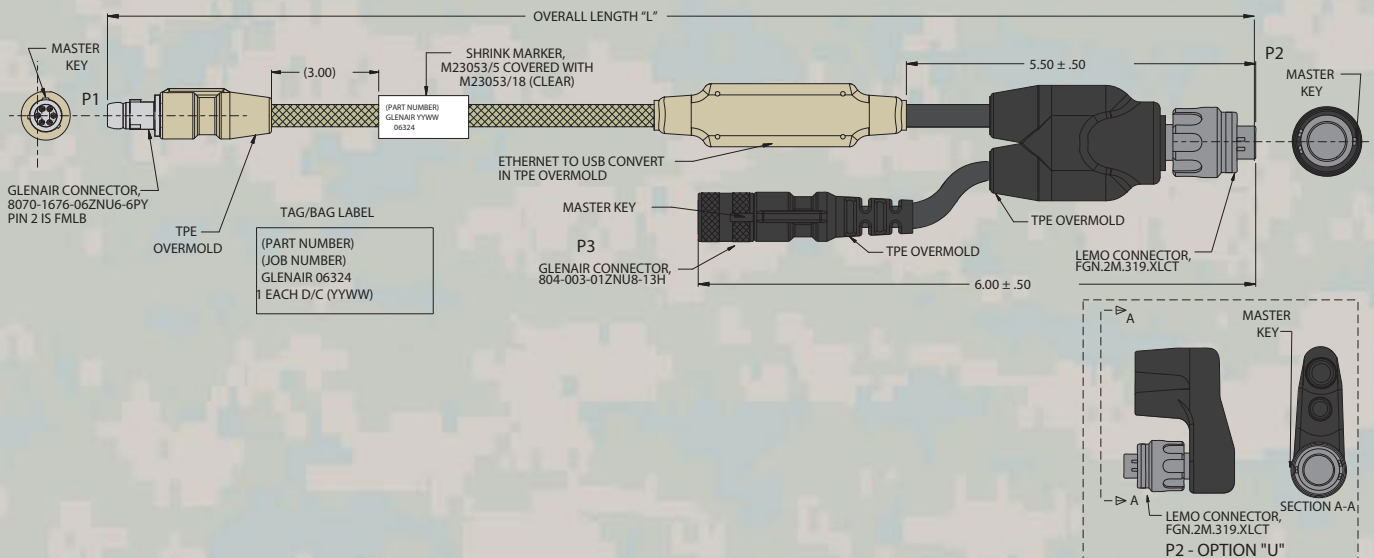**VIDEO / GPS AND AUXILIARY CABLES**

TacROVER-e SIR 2.5 Cable

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

RADIO POWER BOOST

SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Nomex® braid, olive drab and Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs.
- Mighty Mouse 807 (NATO standard) hub/power connectors and Lemo peripheral device connector
- Weight, 24" cable: 70g
- Export classification: 3A611.x
- With Radio Power Boost power

HOW TO ORDER

Sample Part Number:	808-267	-U	-40
Cable Series	TacROVER-e SIR 2.5 Cable		
P2 Bend Option	**U** = "U" Bend, P2 Connector Side **Omit** for straight cable		
Length Designator	In inches Omit for default length of 33.00"		

MASTER KEY

LEMO CONNECTOR, FGN.2M.319.XLCT

SECTION A-A

P2 - OPTION "U"

OVERALL LENGTH "L"

5.50 ± 1.00

P2

MASTER KEY

P1

(3.00)

(PART NUMBER)
GLENAIR YYWW
06324

LEMO CONNECTOR,
FGN.2M.319.XLCT

.317

MASTER KEY

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

TPE OVERMOLD

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

ETHERNET TO USB CONVERT
IN TPE OVERMOLD

SANTOPRENE BLK
JACKETED CABLE
TYP. 2

P3

TPE OVERMOLD
TYP. 2

GLENAIR CONNECTOR,
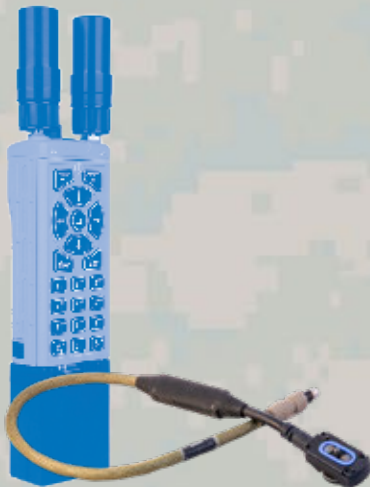8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
808-152 TacROVER-p SIR 2.5 with TAC-EYE Cable

VIDEO / GPS

SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Provides power to device
- Nomex® braid, olive drab and Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Mighty Mouse 807 (NATO standard) connectors and Lemo peripheral device connector
- Weight, 24" cable: 108g
- Export classification: ECCN 3A611.x
- Composite video to TAC-EYE

TacROVER-p SIR 2.5 with TAC-EYE Cable

STAR-PAN™

QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI

HOW TO ORDER

Sample Part Number:	808-152	-U	-30
Cable Series	TacROVER-p SIR 2.5 with TAC-EYE Cable		
P2 Bend Option	**U** = "U" Bend, P2 Connector Side **Omit** for straight cable		
Length Designator	In inches Omit for default length of 24.00"		

OVERALL LENGTH "L"

MASTER KEY

P1

(3.00)

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

(PART NUMBER)
GLENAIR YYWW
06324

5.50 ± .50

P2

MASTER KEY

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

TPE OVERMOLD

TAG/BAG LABEL

(PART NUMBER)
(JOB NUMBER)
GLENAIR 06324
1 EACH D/C (YYWW)

ETHERNET TO USB CONVERT
IN TPE OVERMOLD

MASTER KEY

P3

GLENAIR CONNECTOR,
804-003-01ZNU8-13H

TPE OVERMOLD

6.00 ± .50

TPE OVERMOLD

LEMO CONNECTOR,
FGN.2M.319.XLCT

A

MASTER KEY

A

LEMO CONNECTOR,
FGN.2M.319.XLCT

SECTION A-A

P2 - OPTION "U"

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
808-117 Tactical Net Rover Cable

STAR-PAN™

VIDEO / GPS AND AUXILIARY CABLES

Tactical Net Rover (TNR) Cable
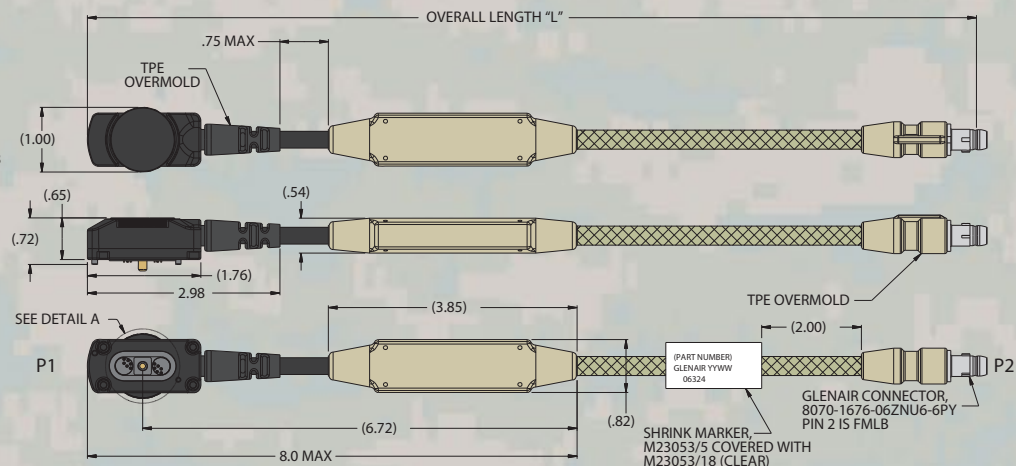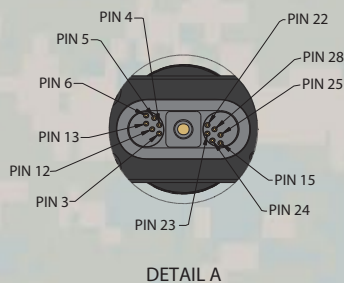
SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Nomex® braid, olive drab and Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors.
- Weight, 24" cable: 108g
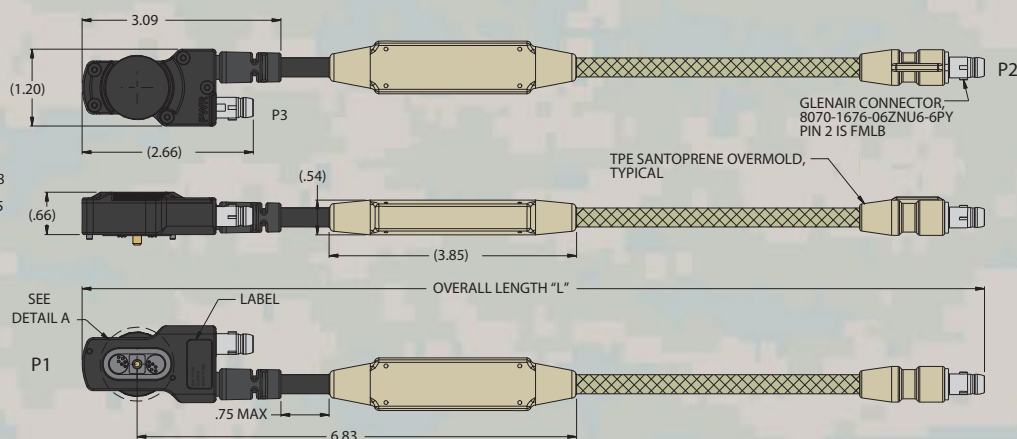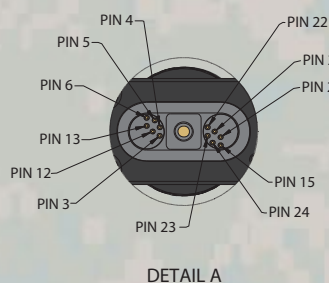- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:	808-117	-28
Cable Series	TNR Cable, without RPB	
Length Designator	In inches Omit for default length of 24.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

PIN 4
PIN 5
PIN 6
PIN 13
PIN 12
PIN 3
PIN 23
PIN 22
PIN 28
PIN 25
PIN 15
PIN 24

DETAIL A

OVERALL LENGTH "L"

.75 MAX
TPE OVERMOLD
(1.00)
(.65)
(.72)
(.54)
2.98
(1.76)

SEE DETAIL A
P1
(3.85)
TPE OVERMOLD
(2.00)
P2

(PART NUMBER)
GLENAIR YYWW
06324

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

(6.72)
(.82)
8.0 MAX

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
808-151 Tactical Net Rover Cable

Tactical Net Rover (TNR) Cable

SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Nomex® braid, olive drab and Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors.
- Weight, 24" cable: 112g
- Export classification: ECCN 3A611.x
- With Radio Power Boost (RPB)

HOW TO ORDER

Sample Part Number:	808-151	-28
Cable Series	TNR Cable, with RPB	
Length Designator	In inches Omit for default length of 24.00"	

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

RADIO POWER BOOST

PIN 4
PIN 5
PIN 6
PIN 13
PIN 12
PIN 3
PIN 23
PIN 22
PIN 28
PIN 25
PIN 15
PIN 24

DETAIL A

3.09
(1.20)
(2.66)
P3

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

P2

TPE SANTOPRENE OVERMOLD,
TYPICAL

(.66)
(.54)
(3.85)

SEE
DETAIL A
LABEL
OVERALL LENGTH "L"
P1
.75 MAX
6.83

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
TS8-404 Tactical Net Rover cable with TAC-EYE Adapter

STAR-PAN™

SPECIFICATIONS
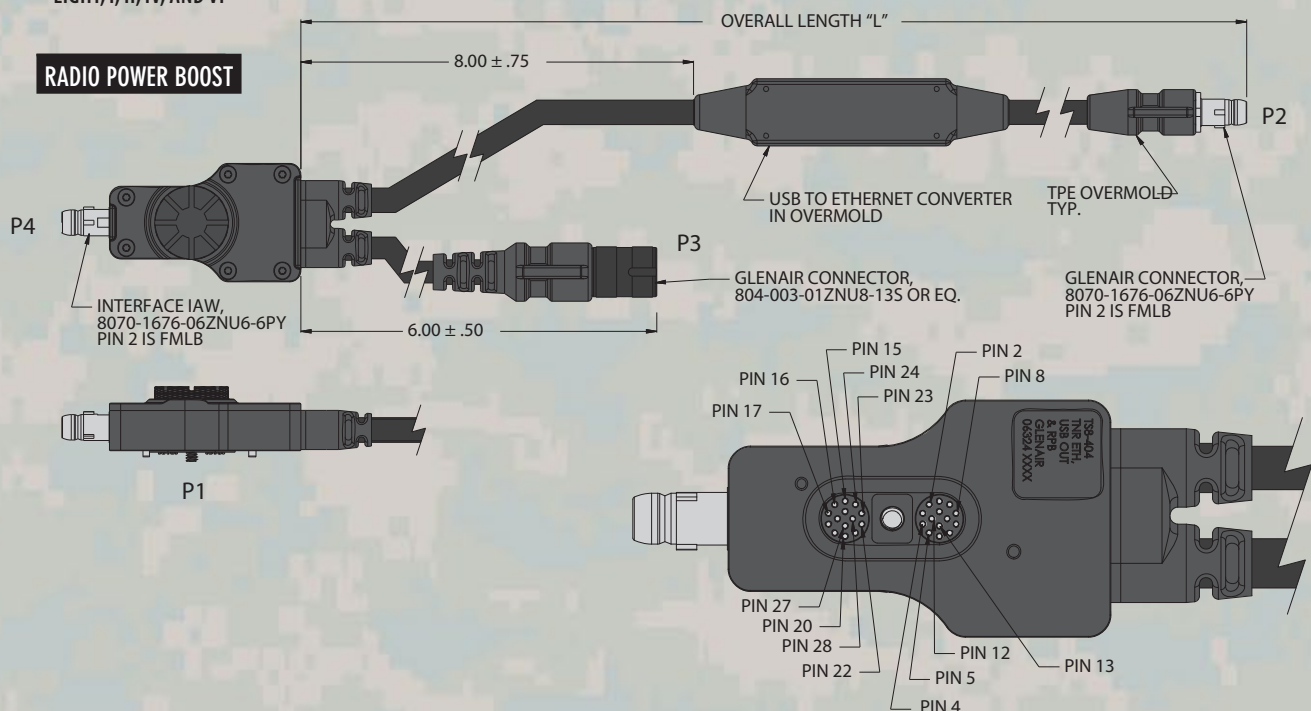
- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs, black.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors.
- Weight, 24" cable, (consult factory)
- Export classification: ECCN 3A611.x

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	TS8-404	-28
Cable Series	TNR Cable, without RPB	
Length Designator	In inches Omit for default length of 24.00"	

RADIO POWER BOOST

OVERALL LENGTH "L"

8.00 ± .75

P4

P2

USB TO ETHERNET CONVERTER
IN OVERMOLD

TPE OVERMOLD
TYP.

P3

INTERFACE IAW,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

GLENAIR CONNECTOR,
804-003-01ZNU8-13S OR EQ.

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

6.00 ± .50

P1

PIN 15
PIN 16
PIN 17
PIN 24
PIN 23
PIN 2
PIN 8

TS8-404
TNR ETH.
USB OUT
& RPB
GLENAIR
06324-XXXX

PIN 27
PIN 20
PIN 28
PIN 22
PIN 12
PIN 5
PIN 4
PIN 13

LENGTH TOLERANCE: +1.80" (45.7mm) / -0.00 for "L" ≤ 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Video downlink, GPS, and auxiliary device cables
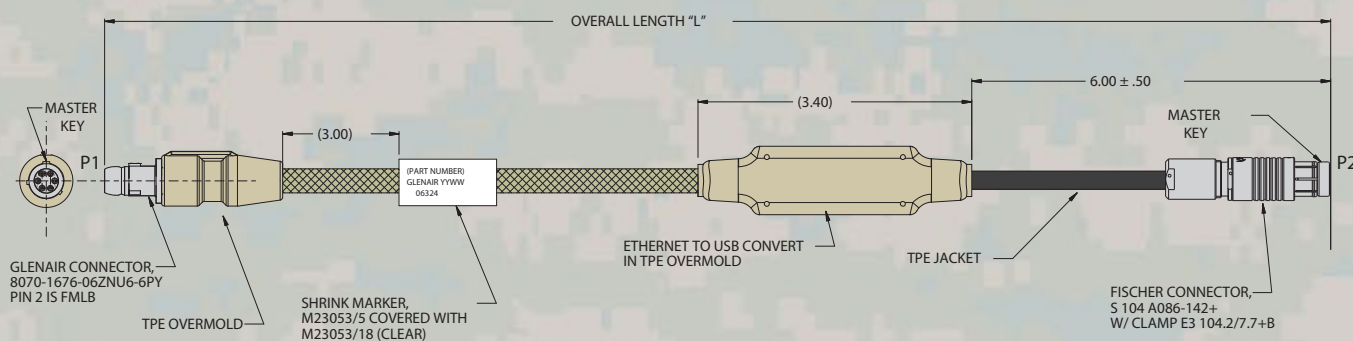## 808-224 StrikeHawk Digital Cable

SPECIFICATIONS

- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Nomex® braid, olive drab and Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Mighty Mouse 807 (NATO standard) connector and Fischer peripheral device connector.
- Weight, 24" cable: 100g
- Export classification: ECCN 3A611.x

StrikeHawk Digital Cable

HOW TO ORDER

Sample Part Number:	808-224	-28
Cable Series	StrikeHawk Digital cable	
Length Designator	In inches Omit for default length of 24.00"	

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

6.00 ± .50

MASTER KEY

P1

(3.00)

(PART NUMBER)
GLENAIR YYWW
06324

(3.40)

MASTER KEY

P2

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

TPE OVERMOLD

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

ETHERNET TO USB CONVERT
IN TPE OVERMOLD

TPE JACKET

FISCHER CONNECTOR,
S 104 A086-142+
W/ CLAMP E3 104.2/7.7+B

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

JTAC-TOUGH™

STAR-PAN™

Host/EUD cables and adapters

STAR-PAN-TO-HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

Part No.	Description	Page No.
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808-103	Toughpad® FZ-M1/FZ-B2 Adapter with Cable	92
808-092	Micro-B USB 2.0 Adapter Cable	93
808-093	Micro-B USB 3.0 Adapter Cable	94
808-135	USB-C Cable	95
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808-281	Juggernaut USB-C Host Cable with Power Delivery	97
808-102	USB On-The-Go Cable	98
808-096, -160, -271	Host Mode OTG Adapters	99
808-259	Gender Changer Adapter	100

Kägwerks tactical EUD case with Adapter Cable

USB-C EUD Charging Cable

Tactical EUD Juggernaut.Case with Adapter Cable

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • STAR-PAN™ Tactical Interconnect Solutions
Dimensions are subject to change without notice.

STAR-PAN™

Host/EUD cables, adapters, and accessories
808-101 Panasonic® Toughpad® FZ-M1 Adapter

EUD

Toughpad® FZ-M1 / FZ-B2 Adapter

SPECIFICATIONS

- For interconnection of End User Device to STAR-PAN power / data hubs
- Aluminum alloy construction, black zinc-nickel finish.
- Mighty Mouse 807 (NATO standard) connector
- Weight: 62g
- Export classification: 3A611.x
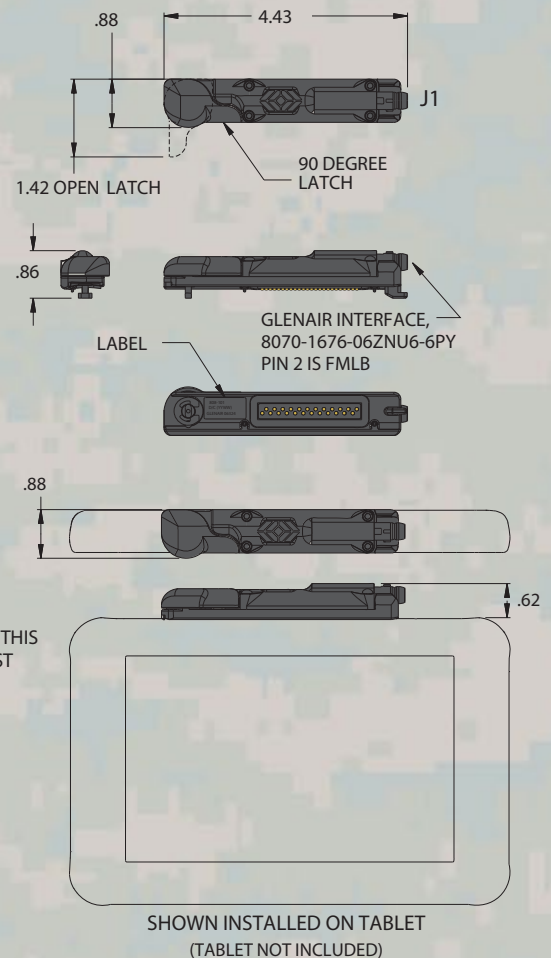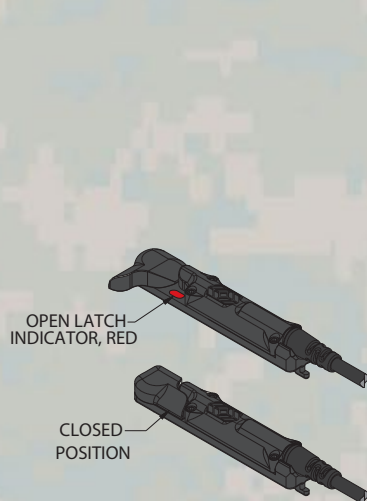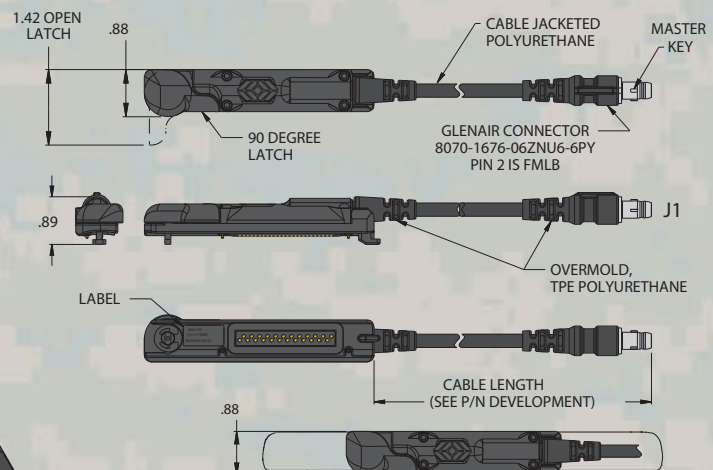
HOW TO ORDER

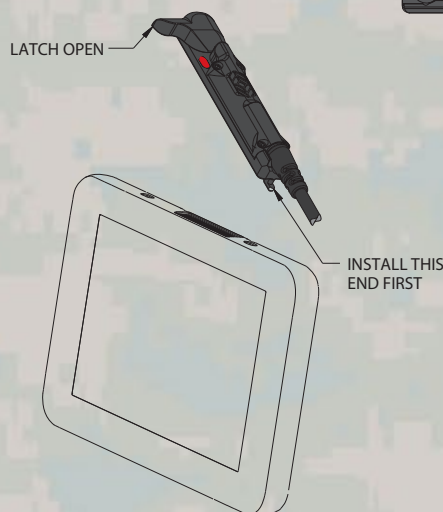| Part Number:	808-101
Adapter	Panasonic Toughpad FZ-M1 Adapter

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

.88   4.43

J1

1.42 OPEN LATCH

90 DEGREE LATCH

.86

GLENAIR INTERFACE, 8070-1676-06ZNU6-6PY PIN 2 IS FMLB

LABEL

CONNECTOR INSTALLATION

LATCH OPEN

INSTALL THIS END FIRST

.88

.62

OPEN LATCH INDICATOR, RED

CLOSED POSITION

90 DEGREE LATCH ACTION

SHOWN INSTALLED ON TABLET
(TABLET NOT INCLUDED)

STAR-PAN™

Host/EUD cables, adapters, and accessories
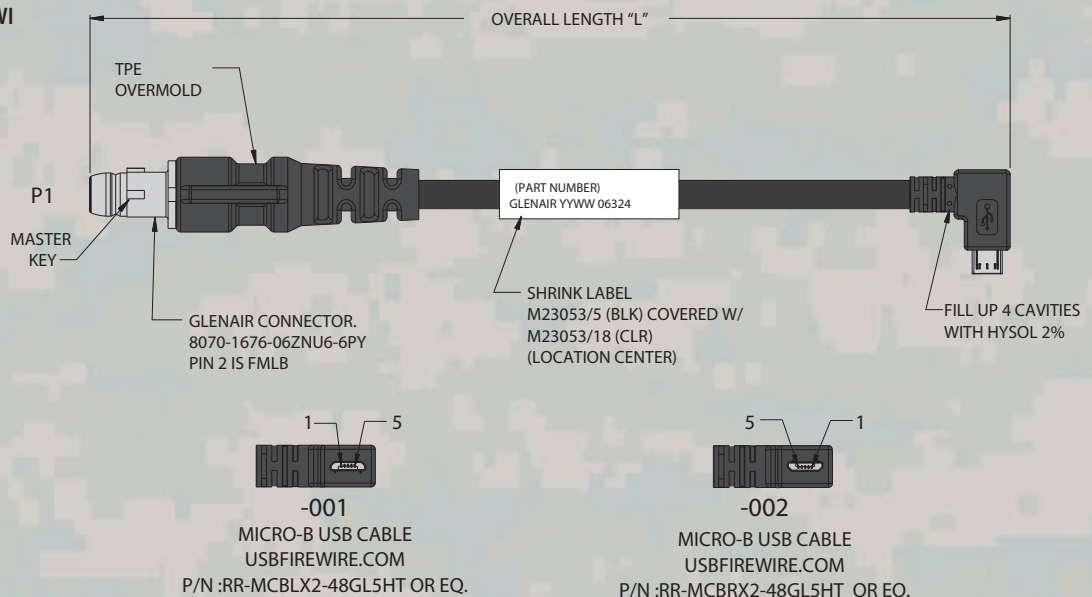## 808-103 Toughpad® FZ-M1 Adapter with Cable

Toughpad® FZ-M1 / FZ-B2 Adapter with Cable

QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

SPECIFICATIONS

- For interconnection of End User Device to STAR-PAN power / data hubs
- Aluminum alloy construction, black zinc-nickel finish.
- Mighty Mouse 807 (NATO standard) connector
- Weight: 62g
- Export classification: 3A611.x

HOW TO ORDER

Sample Part Number:	808-103	-24
Adapter Series	Panasonic Toughpad FZ-M1 Adapter	
Length Designator	In inches. Max. 168.00 inches (14 ft.) Omit for default length of 12.00"	

1.42 OPEN LATCH
.88
CABLE JACKETED POLYURETHANE
MASTER KEY
90 DEGREE LATCH
GLENAIR CONNECTOR 8070-1676-06ZNU6-6PY PIN 2 IS FMLB

.89
J1
OVERMOLD, TPE POLYURETHANE

LABEL
CABLE LENGTH (SEE P/N DEVELOPMENT)
.88

.65

LATCH OPEN

INSTALL THIS END FIRST

OPEN LATCH INDICATOR, RED

CLOSED POSITION

90 DEGREE LATCH ACTION
(CABLE END NOT SHOWN FOR CLARITY)

CONNECTOR INSALLATION
(CABLE END NOT SHOWN FOR CLARITY)
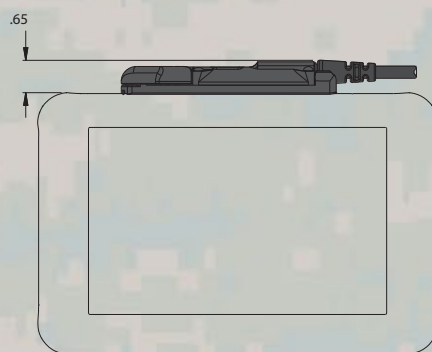
SHOWN INSTALLED ON TABLET
TABLET NOT INCLUDED
(CABLE END NOT SHOWN FOR CLARITY)

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Host/EUD cables, adapters, and accessories
808-092 Micro-B USB 2.0 Cable

EUD

SPECIFICATIONS

- For interconnection of Micro-B USB 2.0 equipped End User Devices to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain reliefs, black
- Mighty Mouse 807 (NATO standard) connector and Micro-B USB connectors
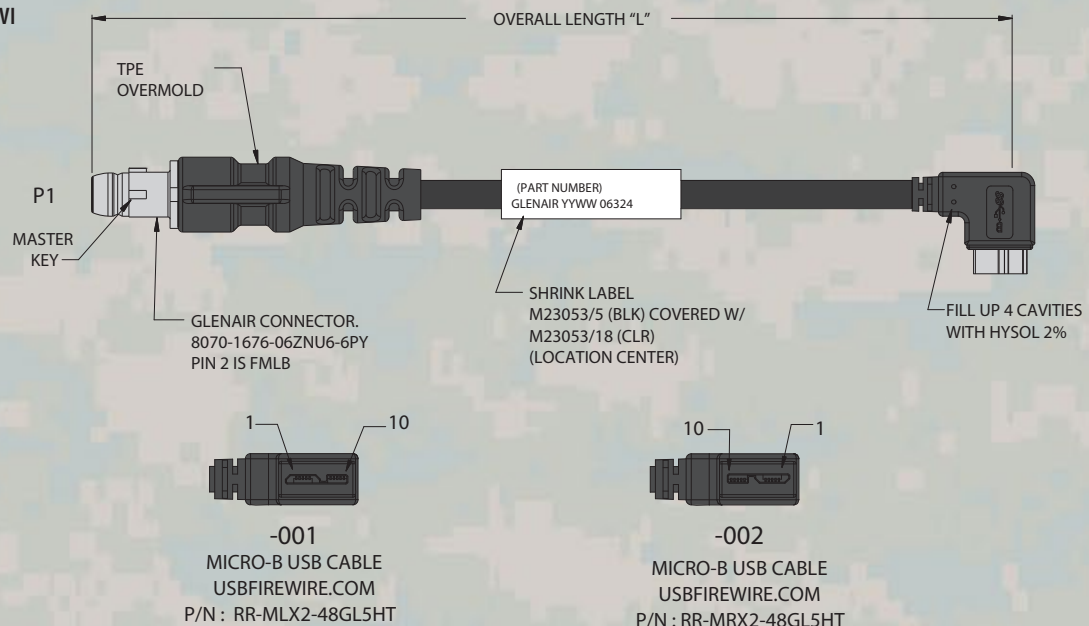- Weight, 18" cable: 26g
- Export classification: 3A611.x

Micro-B USB 2.0 Cable

HOW TO ORDER

Sample Part Number:		808-092	-001	-24
Cable Series	Micro-B USB 2.0 adapter cable			
USB Interface Orientation	**-001** Left **-002** Right			
Length Designator	In inches Omit for default length of 18.00"			

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

TPE
OVERMOLD

P1

MASTER
KEY

GLENAIR CONNECTOR.
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

(PART NUMBER)
GLENAIR YYWW 06324

SHRINK LABEL
M23053/5 (BLK) COVERED W/
M23053/18 (CLR)
(LOCATION CENTER)

FILL UP 4 CAVITIES
WITH HYSOL 2%

1 — 5

-001
MICRO-B USB CABLE
USBFIREWIRE.COM
P/N :RR-MCBLX2-48GL5HT OR EQ.

5 — 1

-002
MICRO-B USB CABLE
USBFIREWIRE.COM
P/N :RR-MCBRX2-48GL5HT OR EQ.

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Host/EUD cables, adapters, and accessories
808-093 Micro-B USB 3.0 Cable

STAR-PAN™

SPECIFICATIONS

- For interconnection of Samsung® Galaxy S5 and other Micro-B USB 3.0 equipped End User Devices to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain reliefs, black
- Mighty Mouse 807 (NATO standard) connector and Micro-B USB connectors
- Weight, 18" cable: 28g
- Export classification: 3A611.x

Micro-B USB 3.0 Cable

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	808-093	-001	-24
Cable Series	Micro-B USB 3.0 adapter cable		
USB Interface Orientation	**-001** Left **-002** Right		
Length Designator	In inches Omit for default length of 18.00"		

OVERALL LENGTH "L"

TPE
OVERMOLD

P1

MASTER
KEY

GLENAIR CONNECTOR.
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

(PART NUMBER)
GLENAIR YYWW 06324

SHRINK LABEL
M23053/5 (BLK) COVERED W/
M23053/18 (CLR)
(LOCATION CENTER)

FILL UP 4 CAVITIES
WITH HYSOL 2%

1   10

-001
MICRO-B USB CABLE
USBFIREWIRE.COM
P/N : RR-MLX2-48GL5HT

10   1

-002
MICRO-B USB CABLE
USBFIREWIRE.COM
P/N : RR-MRX2-48GL5HT

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Host/EUD cables, adapters, and accessories
808-135 USB-C Cable

EUD
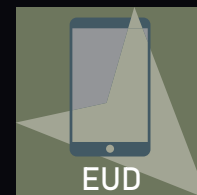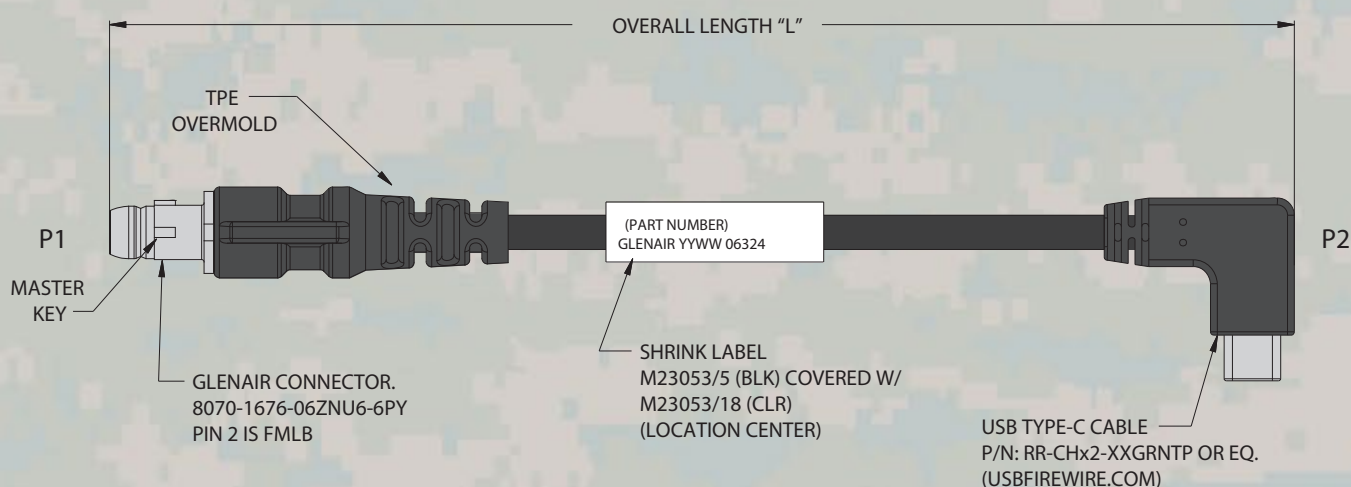
USB-C Cable

SPECIFICATIONS

- For interconnection of USB-C equipped End User Devices to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Santoprene overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connector
- Weight, 19" cable: 34g
- Export classification: 3A611.x

HOW TO ORDER

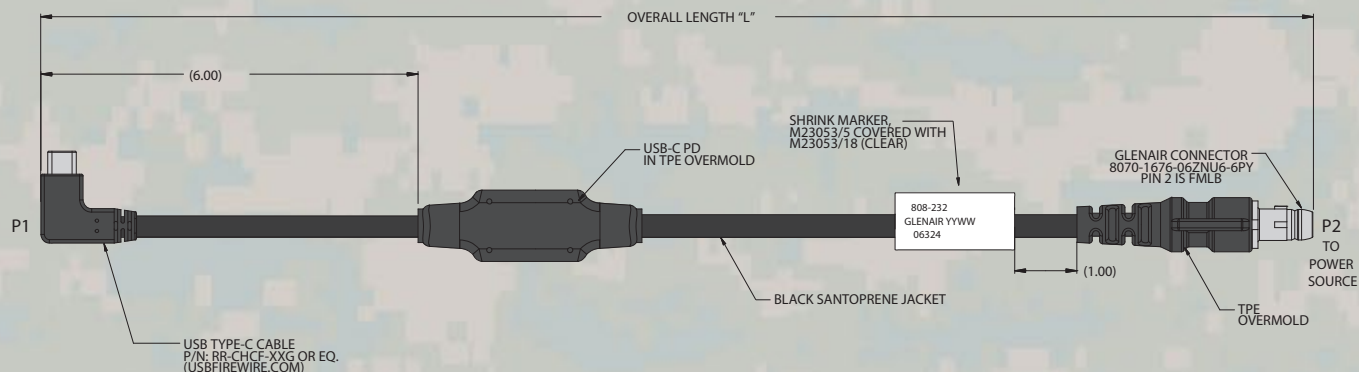| Sample Part Number:	808-135	-24
Adapter Series	Host USB-C Cable	
Length Designator	In inches. Max. 36.00 inches Omit for default length of 19.00"	

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

OVERALL LENGTH "L"

TPE
OVERMOLD

P1

MASTER
KEY

GLENAIR CONNECTOR.
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

(PART NUMBER)
GLENAIR YYWW 06324

SHRINK LABEL
M23053/5 (BLK) COVERED W/
M23053/18 (CLR)
(LOCATION CENTER)

P2

USB TYPE-C CABLE
P/N: RR-CHx2-XXGRNTP OR EQ.
(USBFIREWIRE.COM)

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 36.00" (1524mm)

STAR-PAN™

Host/EUD cables, adapters, and accessories
808-232 USB-C Host Cable with Power Delivery

HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

SPECIFICATIONS

- For interconnection of USB-C equipped End User Devices to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Santoprene overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connector and USB-C connector
- Weight, 24" cable: 68g
- Export classification: 3A611.x

USB-C Host Cable with Power Delivery

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	808-232	-36
Adapter Series	Host USB-C Charging Cable	
Length Designator	In inches. Max. 48.00 inches Omit for default length of 24.00"	

OVERALL LENGTH "L"

(6.00)

P1

USB-C PD
IN TPE OVERMOLD

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

808-232
GLENAIR YYWW
06324

(1.00)

P2
TO
POWER
SOURCE

BLACK SANTOPRENE JACKET

TPE
OVERMOLD

USB TYPE-C CABLE
P/N: RR-CHCF-XXG OR EQ.
(USBFIREWIRE.COM)

LENGTH TOLERANCE: +1.00" (12.7mm) / -0.00 for "L" from 6.00" (152.4) to 24.00" (609.6)
+1.80" (45.7mm) / -0.00 for "L" from 24.00" (609.6) to 48.00" (1219.2)

STAR-PAN™

Host/EUD cables, adapters, and accessories
808-281 Juggernaut USB-C Host Cable with Power Delivery

USB-C Charger Cable with Power Delivery

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
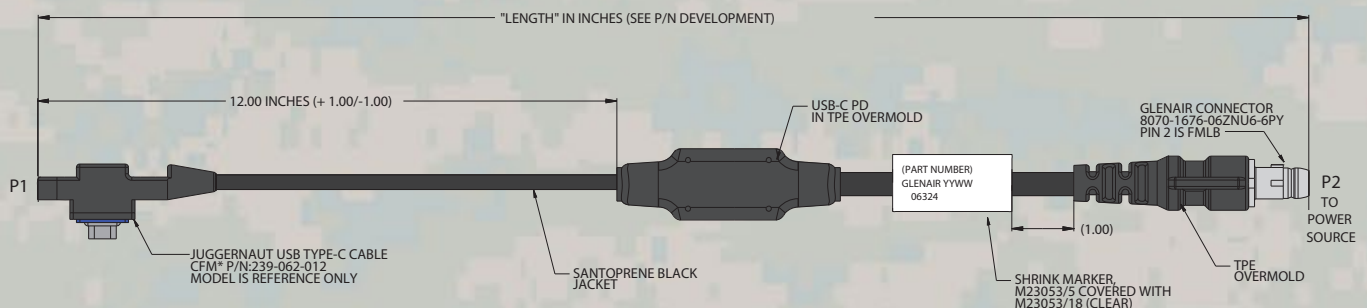LIGHT, I, II, IV, AND VI**

SPECIFICATIONS

- For interconnection of USB-C equipped End User Devices to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Places USB-C PD-capable devices into host mode and provides charge current of 2–3A (depending on device and power soure negotiation).
- TPE overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connector and Juggernaut USB-C connector
- Weight, 24" cable: 72g
- Export classification: 3A611.x

HOW TO ORDER

Sample Part Number:	808-281	-30
Cable Series	USB-C Charger Cable with Power Delivery	
Length Designator	In inches. Maximum 48.00" Omit for default length of 24.00"	

"LENGTH" IN INCHES (SEE P/N DEVELOPMENT)

12.00 INCHES (+ 1.00/-1.00)

USB-C PD IN TPE OVERMOLD

GLENAIR CONNECTOR 8070-1676-06ZNU6-6PY PIN 2 IS FMLB

P1

(PART NUMBER) GLENAIR YYWW 06324

(1.00)

P2 TO POWER SOURCE

JUGGERNAUT USB TYPE-C CABLE CFM* P/N:239-062-012 MODEL IS REFERENCE ONLY

SANTOPRENE BLACK JACKET

SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

TPE OVERMOLD

LENGTH TOLERANCE: +1.50" (38.1mm) / -1.00 (25.4mm) for "L" from 6.00" to 24.00"
+2.50" (63.5mm) / -0.00 for "L" from 24.00" to 48.00"

STAR-PAN™

Host/EUD cables, adapters, and accessories
808-102 USB On-The-Go Cable

SPECIFICATIONS

- For interconnection of End User Device to STAR-PAN power / data hubs
- Polyurethane overmolded cable, black
- Polyurethane overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connector
- Weight, 6" cable: 62g
- Export classification: 3A611.x

USB On-The-Go Cable

HOW TO ORDER

Part Number:	808-102
Connector	Host Mode Adapter Cable

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

6.00 INCHES (+1.00/-0.00)

MASTER KEY

MASTER KEY

(0.50)

P1

P2

(PART NUMBER)
GLENAIR YYWW
06324

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

POLYURETHANE
OVERMOLD

CABLE JACKETED,
POLYURETHANE

SHRINK LABEL
M23053/5 (BLK) COVERED W/
M23053/18 (CLR)

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY
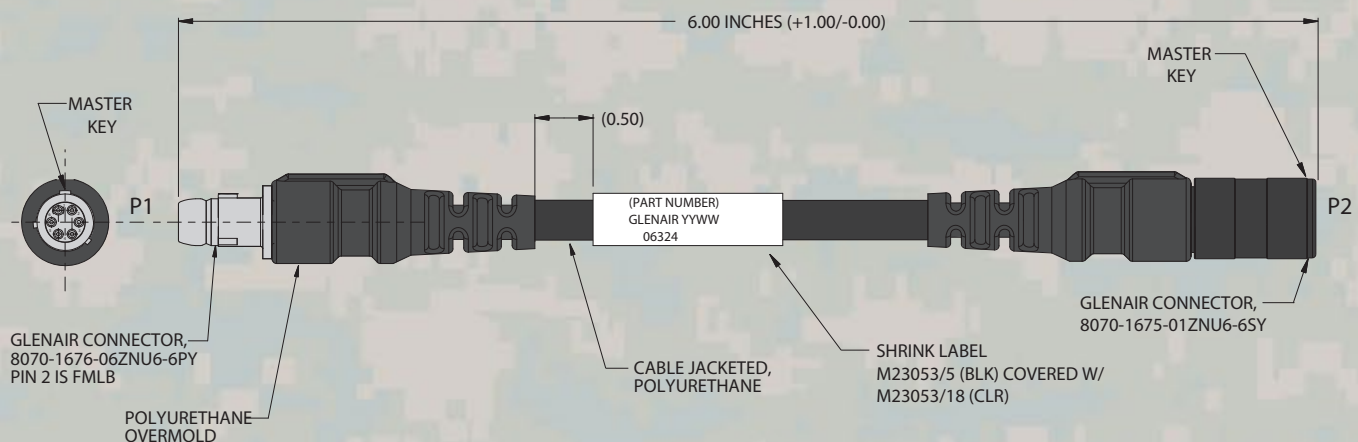
STAR-PAN™

Host/EUD cables, adapters, and accessories
808-096, -160, -271 Host Mode OTG Adapters

EUD

SPECIFICATIONS

- For interconnection of End User Device to STAR-PAN power / data hubs
- Aluminum, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) connector
- Weight: 8g
- Export classification: 3A611.x

**On-The-Go
Host Mode Adapter**

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Part Number:	808-096
Connector Adapter	STAR-PAN Host Mode On-The-Go Adapter Connector, 64.9K resistance

HOW TO ORDER

Part Number:	808-160
Connector Adapter	Sav-Con® Connector Saver/Adapter for Mighty Mouse 807 connectors 49.9K resistance

HOW TO ORDER

Part Number:	808-271
Connector Adapter	Sav-Con® Connector Saver/Adapter for Mighty Mouse 807 connectors, 82K resistance

MASTER KEYWAY — SOCKET 1
95°
P1
230°
INTERFACE CONFORMS TO
807-874-01ZNU6-6SY

1.53
.561
ø.520
ø.313

PIN 1 — MASTER KEY
PIN 2 FMLB
95°
P2
230°
INTERFACE CONFORMS TO
807-871-06ZNU6-6PY

HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

SPECIFICATIONS
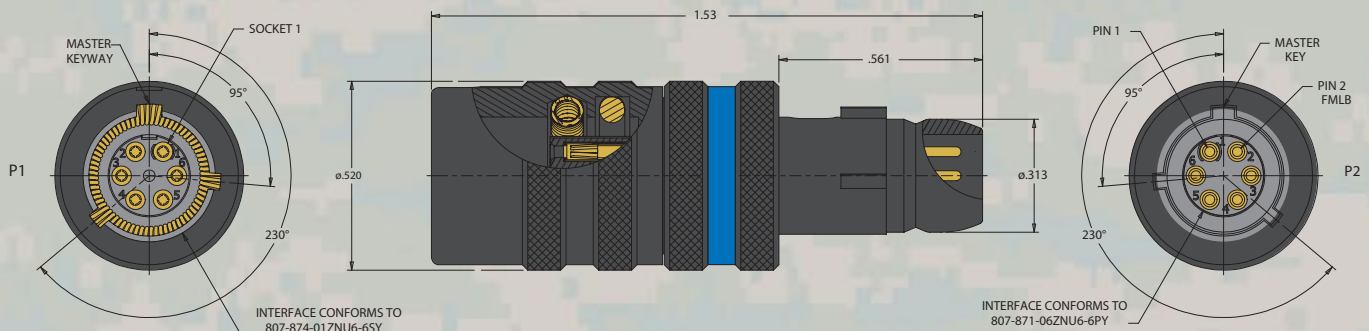
- For gender-change conversion of STAR-PAN power / data hub ports
- Aluminum, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) connector
- Weight: 11g
- Export classification: EAR99

Gender Changer Adapter

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI
USE TO CONVERT STAR-PAN I PAN PORT
INTO RADIO PORT**

HOW TO ORDER

Sample Part Number:	808-259-6	-6
Adapter Series	Gender Changer Adapter	
No. of Wired Contacts	**-4** = Four Wired Contacts (default) **-6** = Six Wired Contacts	
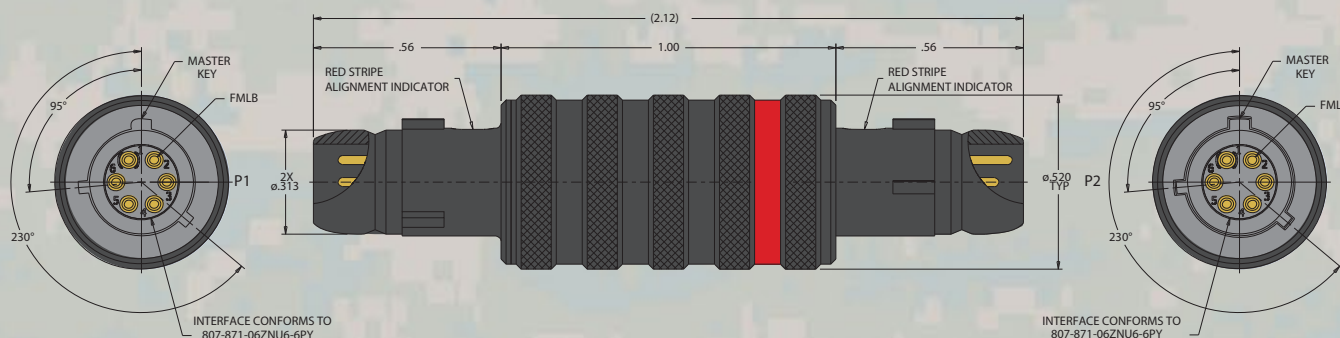
JTAC-TOUGH™

STAR-PAN™

Commercial protocol cables and adapters

COMMERCIAL PROTOCOL CABLES, ADAPTERS, AND ACCESSORIES

USB-A host adapter cable (without power)

PAN device to USB-A Receptacle Adapter Cable

Ethernet converter cable, RJ45 receptacle

STAR-PAN™

Commercial protocol cables, adapters, and accessories
808-079 USB Type A Cable

STAR-PAN™

SPECIFICATIONS

- USB Type A host adapter cable, without USB VBUS
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain relief, black.
- Mighty Mouse 807 (NATO standard) connector and L-Com USB-A connector
- Weight, 18" cable: 26g
- Export classification: 3A611.x

USB Type A Cable

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	808-079	-24
Cable Series	USB-A Host Adapter Cable	
Length Designator	In inches. Maximum 180" Omit for default length of 18.00"	
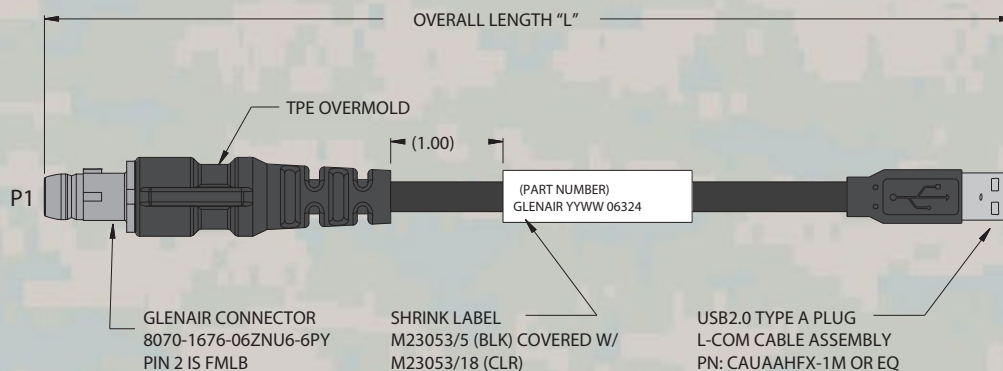
OVERALL LENGTH "L"

TPE OVERMOLD

(1.00)

(PART NUMBER)
GLENAIR YYWW 06324

P1

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

SHRINK LABEL
M23053/5 (BLK) COVERED W/
M23053/18 (CLR)

USB2.0 TYPE A PLUG
L-COM CABLE ASSEMBLY
PN: CAUAAHFX-1M OR EQ

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™

STAR-PAN™

Commercial protocol cables, adapters, and accessories
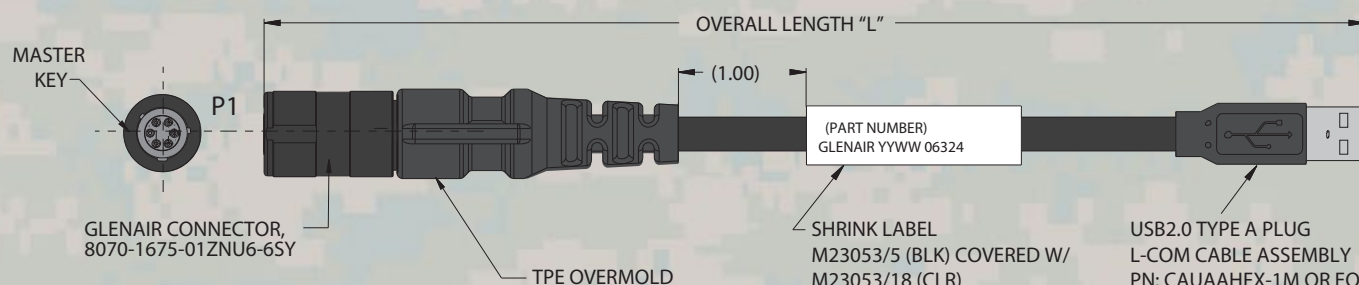## 808-145 USB Type A EUD Cable

SPECIFICATIONS

- USB Type A EUD cable
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain relief, black.
- Mighty Mouse 807 (NATO standard) connector and L-Com USB-A connector
- Weight, 18" cable: 26g
- Export classification: 3A611.x

USB Type A EUD Cable

STAR-PAN™

QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI

HOW TO ORDER

Sample Part Number:	808-145	-24
Cable Series	USB-A Host Adapter Cable	
Length Designator	In inches. Omit for default length of 18.00"	

OVERALL LENGTH "L"

MASTER
KEY

P1

(1.00)

(PART NUMBER)
GLENAIR YYWW 06324

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY

TPE OVERMOLD

SHRINK LABEL
M23053/5 (BLK) COVERED W/
M23053/18 (CLR)

USB2.0 TYPE A PLUG
L-COM CABLE ASSEMBLY
PN: CAUAAHFX-1M OR EQ

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Commercial protocol cables, adapters, and accessories
808-053 PAN Port to USB-A Cable

SPECIFICATIONS

- PAN device to USB type A receptacle adapter cable
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connector and USB-A connector
- Weight, 5" cable: 18g
- Export classification: 3A611.x
- PAN port connection

Pan Port to USB-A Cable

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	808-053	-12
Cable Series	USB-A Receptacle Cable	
Length Designator	In inches. Omit for default length of 5.00"	

OVERALL LENGTH "L"

MASTER KEY

P1

P2

GLENAIR CONNECTOR,
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

TPE OVERMOLD

USB TYPE A - RECEPTACLE,
USBFIREWIRE.COM CABLE ASSY,
P/N: RR-AFX2-10G OR EQ.

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™

STAR-PAN™

Commercial protocol cables, adapters, and accessories
808-111 USB On-The-Go Adapter Cable

COMMERCIAL

SPECIFICATIONS

- PAN device to USB type A receptacle adapter cable
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connector and USB-A receptacle
- Weight, 5" cable: 20g
- Export classification: 3A611.x
- Direct connection to EUD

USB On-The-Go (OTG) Cable

STAR-PAN™

QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI

HOW TO ORDER

Sample Part Number:	808-111	-12
Cable Series	STAR-PAN USB-A Receptacle OTG Adapter Cable	
Length Designator	In inches. Omit for default length of 5.00"	
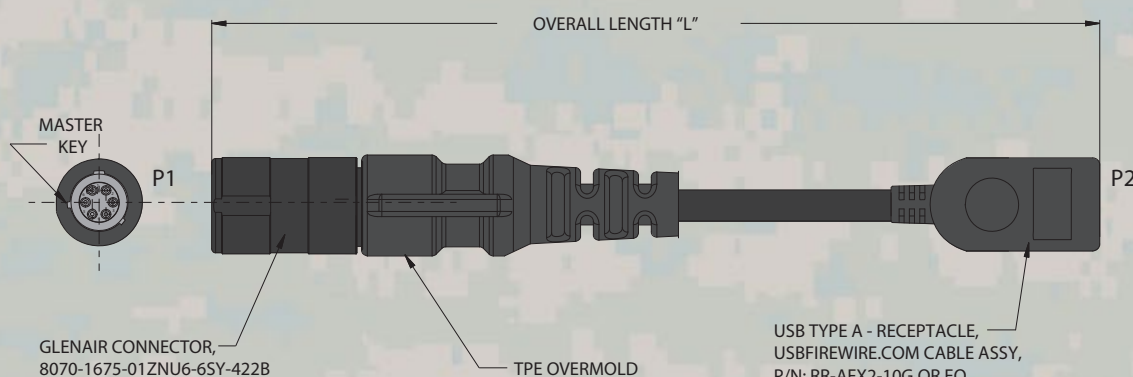
OVERALL LENGTH "L"

MASTER KEY

P1

P2

GLENAIR CONNECTOR,
8070-1675-01ZNU6-6SY-422B

TPE OVERMOLD

USB TYPE A - RECEPTACLE,
USBFIREWIRE.COM CABLE ASSY,
P/N: RR-AFX2-10G OR EQ.

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

COMMERCIAL PROTOCOL CABLES AND ADAPTERS

STAR-PAN™

Commercial protocol cables, adapters, and accessories
808-233 USB-C Host to USB-A Cable with Power Delivery

COMMERCIAL PROTOCOL CABLES AND ADAPTERS

SPECIFICATIONS

- PAN device to USB type A receptacle adapter cable
- TPE jacketed cable, black
- USB-C and L-Com USB-A connectors
- Weight, 18" cable: (consult factory)
- USB-C pin-out

**USB-C Host to USB-A Cable
with Power Delivery**

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER	
Sample Part Number:	**808-233**
Cable Series	USB-A to USB-C Charger Cable

18.00 INCHES (+1.80/-0.00)

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

USB-C PD
IN TPE OVERMOLD

(9.00)

(PART NUMBER)
GLENAIR YYWW
06324

P1

(2.00)

TPE JACKET
TYP. 2

L-COM USB TYPE-A CABLE
P/N: U3A00007-05M OR EQ.

P2

USB TYPE-C CABLE
P/N: RR-CHX2-XXG OR EQ.
(USBFIREWIRE.COM)
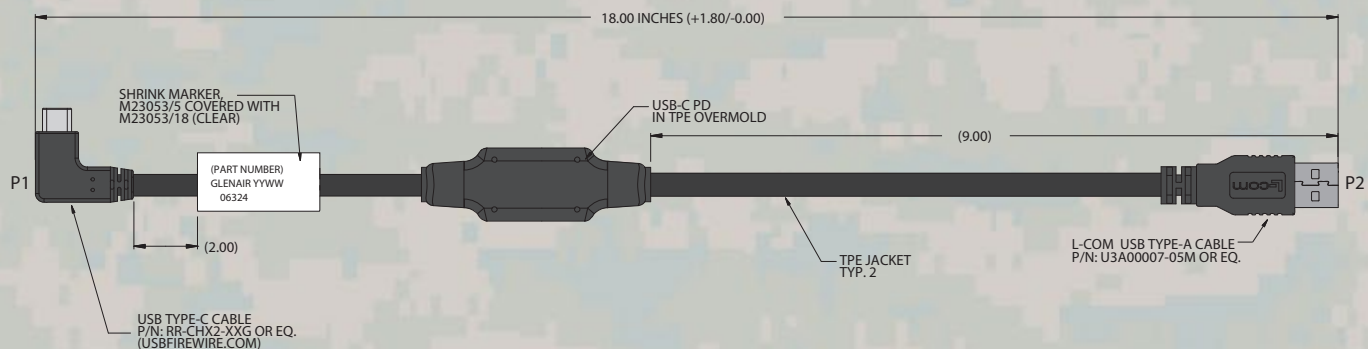
STAR-PAN™

Commercial protocol cables, adapters, and accessories
808-110 DB-9 RS-232 Cable

SPECIFICATIONS

- RS-232 converter cable with DB9 connector
- Santoprene jacketed cable, black
- TPU overmolded, ergonomic connector strain relief, black.
- Mighty Mouse 807 (NATO standard) connector and L-Com RS-232 connector
- Weight, 24" cable: 88g
- Export classification: 3A611.x
- PAN RS-232 to USB

DB9 RS-232 Cable

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	808-110	-32
Cable Series	DB-9 RS-232 Cable	
Length Designator	In inches. Omit for default length of 24.00"	
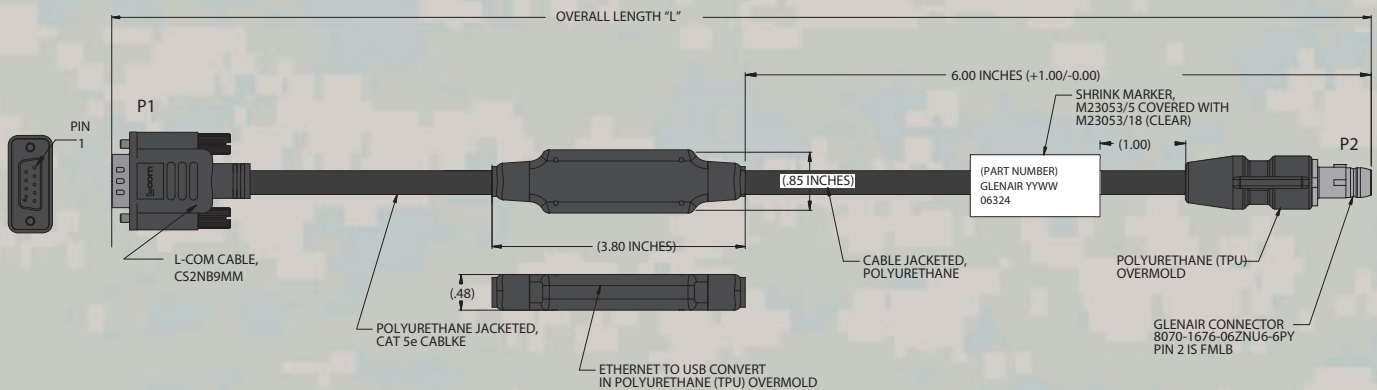
OVERALL LENGTH "L"

6.00 INCHES (+1.00/-0.00)

SHRINK MARKER,
M23053/5 COVERED WITH
M23053/18 (CLEAR)

PIN 1

P1

(1.00)

P2

(PART NUMBER)
GLENAIR YYWW
06324

(.85 INCHES)

L-COM CABLE,
CS2NB9MM

(3.80 INCHES)

(.48)

CABLE JACKETED,
POLYURETHANE

POLYURETHANE (TPU)
OVERMOLD

POLYURETHANE JACKETED,
CAT 5e CABLKE

ETHERNET TO USB CONVERT
IN POLYURETHANE (TPU) OVERMOLD

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Commercial protocol cables, adapters, and accessories
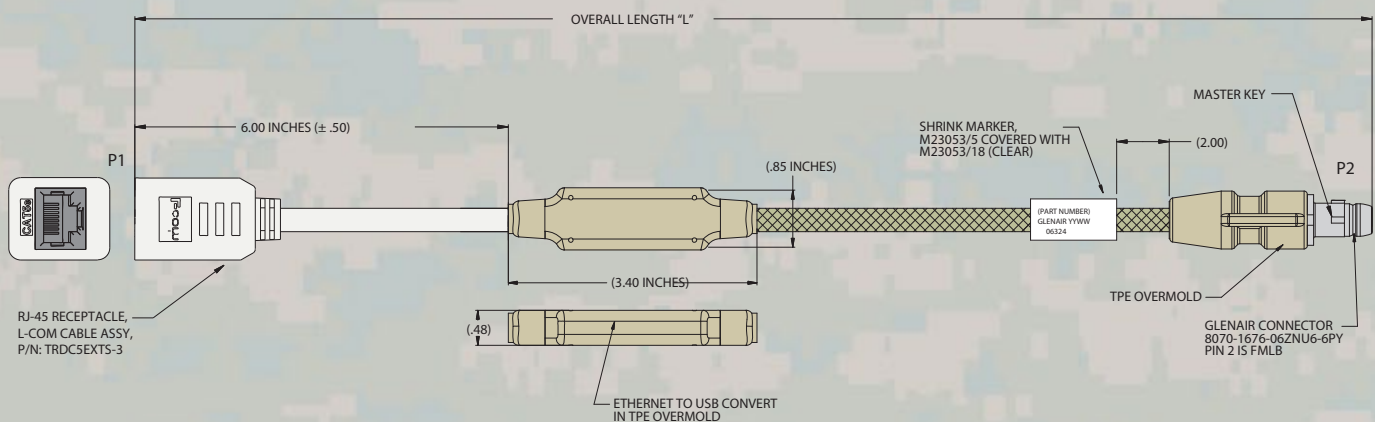## 808-078 RJ45 Plug Cable

RJ45 Plug Cable

QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI

SPECIFICATIONS

- CAT5e Ethernet cable with RJ45 plug
- Integrated Ethernet to USB conversion circuitry
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain relief, black.
- Mighty Mouse 807 (NATO standard) connector and L-Com RJ45 connector
- Weight, 24" cable: 80g
- Export classification: 3A611.x

HOW TO ORDER

Sample Part Number:	808-078	-32
Cable Series	STAR-PAN RJ45 Ethernet Cable	
Length Designator	In inches. Omit for default length of 24.00"	
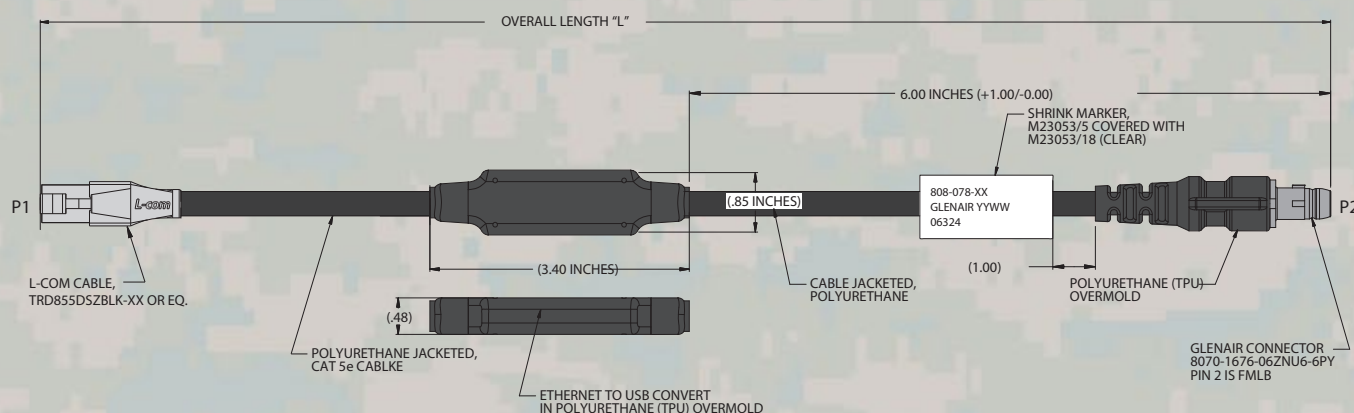
OVERALL LENGTH "L"

6.00 INCHES (+1.00/-0.00)

SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

P1

P2

808-078-XX
GLENAIR YYWW
06324

(.85 INCHES)

(3.40 INCHES)

L-COM CABLE,
TRD855DSZBLK-XX OR EQ.

(.48)

POLYURETHANE JACKETED,
CAT 5e CABLKE

ETHERNET TO USB CONVERT
IN POLYURETHANE (TPU) OVERMOLD

CABLE JACKETED,
POLYURETHANE

(1.00)

POLYURETHANE (TPU)
OVERMOLD

GLENAIR CONNECTOR
8070-1676-06ZNU6-6PY
PIN 2 IS FMLB

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

JTAC-TOUGH™

STAR-PAN™

Commercial protocol cables, adapters, and accessories
808-084 RJ45 Receptacle Cable

SPECIFICATIONS

- CAT5e Ethernet cable with RJ45 receptacle
- Integrated Ethernet to USB conversion circuitry
- Nomex braided cable, olive drab
- TPE overmolded, ergonomic connector strain relief, desert tan.
- Mighty Mouse 807 (NATO standard) connector and L-Com RJ45 connector
- Weight, 30" cable: 94g
- Export classification: 3A611.x

RJ45 Receptacle Cable

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	808-084	-24
Cable Series	RJ45 Ethernet Cable	
Length Designator	In inches. Omit for default length of 30.00"	

OVERALL LENGTH "L"

6.00 INCHES (± .50)

MASTER KEY

SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

(2.00)

P1

(.85 INCHES)

P2

CAT5e

(PART NUMBER) GLENAIR YYWW 06324

(3.40 INCHES)

TPE OVERMOLD

RJ-45 RECEPTACLE, L-COM CABLE ASSY, P/N: TRDC5EXTS-3

(.48)

GLENAIR CONNECTOR 8070-1676-06ZNU6-6PY PIN 2 IS FMLB

ETHERNET TO USB CONVERT IN TPE OVERMOLD

LENGTH TOLERANCE: +.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
+1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
+3% / -0 for "L" > 60.00" (1524mm)

STAR-PAN™

Soft Goods: Mission Kit Bag and Pouches

STAR-PAN™

SOFT GOODS

- Designed to store, organize, and transport all components of the Glenair STAR-PAN system: hubs, cables, adapters, and accessories
- Lightweight, yet rugged and durable
- Black Cordura / nylon mesh construction
- Paracord zipper pulls
- Mission Bag is MOLLE-compatible
- Pouches are user-configurable with secure Velcro attachment to Mission Bag
- Order Bag and Pouches separately, or as a kit

STAR-PAN™

**QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI**

HOW TO ORDER

Sample Part Number:	TS4-011
Soft Goods	Mission Kit Bag
Kit Contents	**TS4-001** – Mission Bag (qty. 1) **TS4-002** – Large Pouch (qty. 3) **TS4-003** – Square Pouch (qty. 2) **TS4-004** – Medium Pouch (qty. 2)

Front view

MISSION KIT BAG SPECIFICATIONS

- Designed to store, organize, and transport all components of the Glenair STAR-PAN system: hubs, cables, adapters, and accessories
- Black Cordura construction
- Molle web on front of bag
- Front loop Velcro for patches
- Full loop fabric fastening interior for modularity and organization
- Rear pocket for additional storage
- Grab Handles
- Paracord zipper pulls
- Length = 20"   Width = 14"   Depth = 2.5"   Weight = .9 lbs.

HOW TO ORDER

Sample Part Number:	TS4-001
Soft Goods	Mission Kit Bag

Back view

JTAC-TOUGH™

STAR-PAN™

Soft Goods: Mission Kit Bag and Pouches

SOFT GOODS

Back view

Front view

LARGE POUCH SPECIFICATIONS

- Designed for use inside the Glenair STAR-PAN Mission Kit Bag
- Black Cordura mesh construction for quick visual reference of contents
- Dual rear Velcro hook strips
- Paracord zipper pulls
- Width = 18"   Height = 4"   Weight = .18 lbs.

HOW TO ORDER

Sample Part Number:	TS4-002
Soft Goods	Pouch, large

Back view

Front view

SQUARE POUCH SPECIFICATIONS

- Designed for use inside the Glenair STAR-PAN Mission Kit Bag
- Black Cordura mesh construction for quick visual reference of contents
- Dual rear Velcro hook strips
- Paracord zipper pulls
- Width = 10"   Height = 10"   Weight = .9 lbs.

HOW TO ORDER

Sample Part Number:	TS4-003
Soft Goods	Pouch, square

Back view

Front view

MEDIUM POUCH SPECIFICATIONS

- Designed for use inside the Glenair STAR-PAN Mission Kit Bag
- Black Cordura mesh construction for quick visual reference of contents
- Dual rear Velcro hook strips
- Paracord zipper pulls
- Width = 9.5"   Height = 5"   Weight = .1 lbs.

HOW TO ORDER

Sample Part Number:	TS4-004
Soft Goods	Pouch, medium

MIGHTY MOUSE

Mighty Mouse 807: the tactical C4ISR soldier interconnect

Worldwide (NATO) quick-disconnect standard for tactical soldier system C4ISR device interconnection

TURNKEY OVERMOLDED AND OVERBRAIDED FACTORY ASSEMBLIES

STAR-PAN connectors and cables are broadly compatible with both US and NATO (STANAG 4695) dismounted soldier systems

- Push-to-mate, pull-to-unmate
- Gold-plated stainless steel spring
- Crimp rear release contacts
- Integral band platform
- Available with size #12, #16, #20, #20HD and #23 contacts
- Environmentally sealed
- Wider field application and use than all other tactical soldier interconnects combined
- Full compatibility with US and NATO standards

Mighty Mouse Quick-Disconnect
Worldwide standard for tactical soldier system C4ISR device interconnection

Glenair®

MIGHTY MOUSE 807: NATO-STANDARD INTERCONNECT INTERFACE FOR C4ISR-EQUIPPED WARRIORS

| Cable Plug | Cobra Plug | Panel Plug | Cable Receptacle | Panel Receptacle | Hermetic Receptacle |

STAR-PAN™ tactical soldier radio data/power setup with Mighty Mouse 807-equipped radio power booster

Ultralife lightweight wearable battery with Mighty Mouse 807 panel mount receptacle

Kägwerks ruggedized EUD case with Mighty Mouse 807 dongle

BB-2590 /BA-5590 standard soldier battery with Mighty Mouse 807 power adapter

Inventus Lithium Ion conformal battery with plug-and-play Mighty Mouse 807 receptacle connector
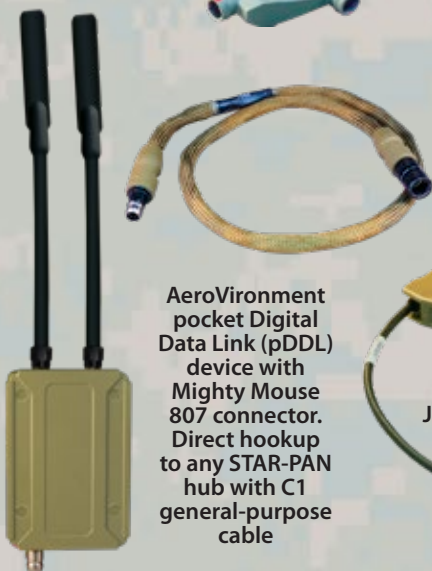
AeroVironment pocket Digital Data Link (pDDL) device with Mighty Mouse 807 connector. Direct hookup to any STAR-PAN hub with C1 general-purpose cable

Juggernaut.Case ruggedized EUD assembly with Mighty Mouse 807 dongle

TacROVER-e video downlink receiver with Mighty Mouse high-speed I/O connector and STAR-PAN interface cable

SERIES
806
MIL-AERO

Series 806 Mil-Aero:
Advanced performance, reduced size and weight
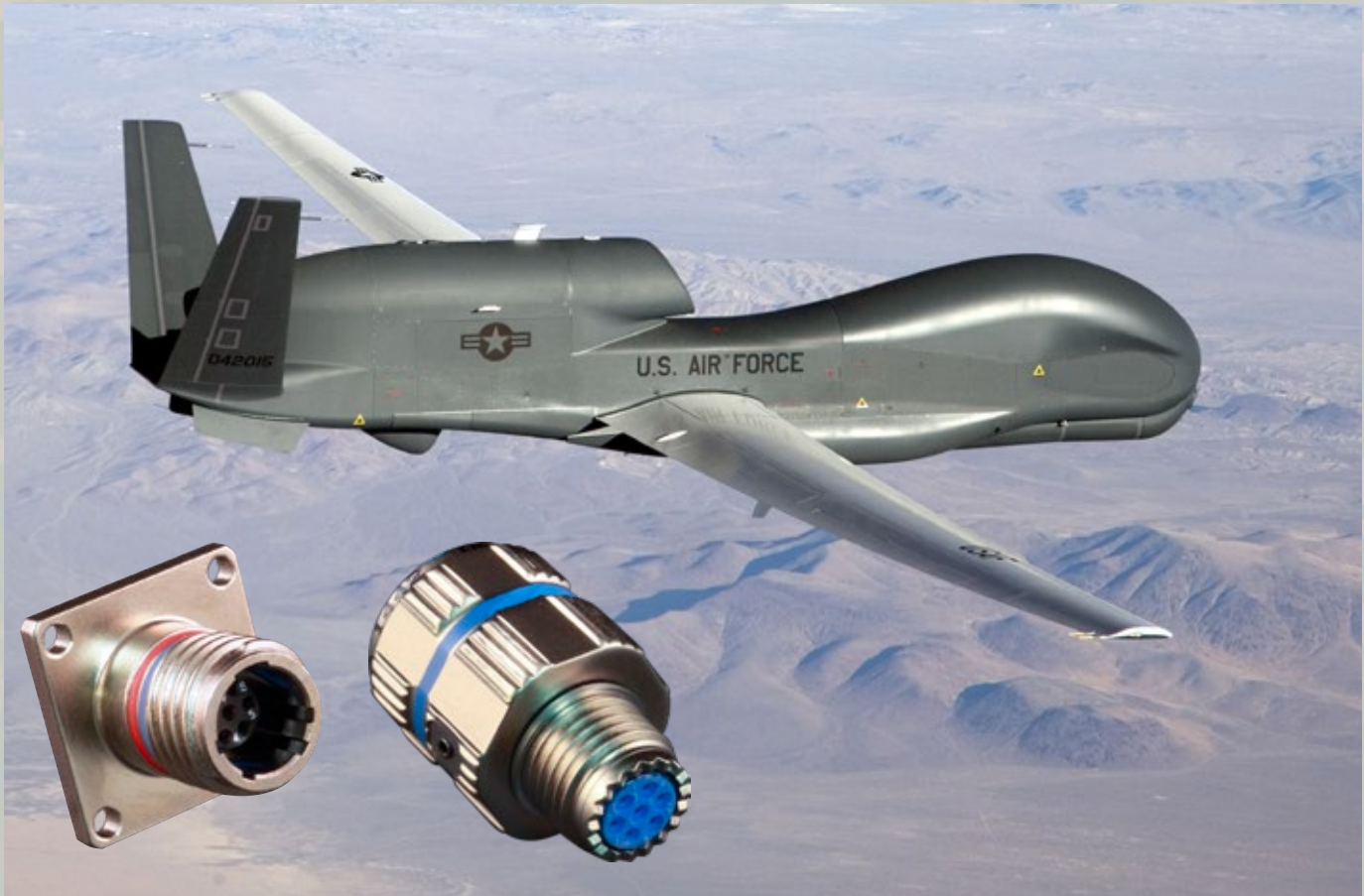
Innovative design meets key performance benchmarks for harsh vibration, shock, and environmental settings—as well as high-altitude, unpressurized aircraft zones with aggressive voltage ratings and altitude immersion standards.

- **Next-generation small form factor aerospace-grade circular connector**
- **Designed for harsh application environments such as aircraft, industrial robotics and more**
- **Upgraded environmental, electrical and mechanical performance**
- **Integrated anti-decoupling technology**
- **Higher density 20HD and 22HD crimp contact arrangements**
- **Hermetic and filter versions**
- **+200°C temperature rating**

SAVE SIZE AND WEIGHT WITH SERIES 806 CONNECTORS

Series 806 Mil-Aero
Smallest Size
.500 In. Mating Threads
3 #20 Contacts or 7 #22
contacts

MIL-DTL-38999
Smallest Size
.625 In. Mating Threads
3 #20 Contacts or 6 #22
contacts

Series 806 Mil-Aero
Ultraminiature Circular Connectors
for harsh mil-aero applications IAW MIL-DTL-38999

Glenair®

SERIES 806 MIL-AERO: FEATURES / SPECIFICATIONS

- **Supported wire sizes:**
  #20HD contacts
  20–24 AWG
  #22HD contacts
  22–28AWG
- **Dielectric withstanding voltage**
  #20HD layouts:
  1800 Vac
  #22HD layouts: 1300 Vac
- **Reduced pitch triple-start modified anti-decoupling stub ACME mating threads**
- **"Triple ripple" wire sealing grommet (75,000 ft. rated)**
- **Integral Nano-Band shield termination platform**
- **EMI shielding effectiveness per D38999M para. 4.5.28 (65 dB min. leakage attenuation @ 10GHz)**
- **10,000 amp indirect lightning strike**
- **MIL-S-901 Grade A high impact shock**
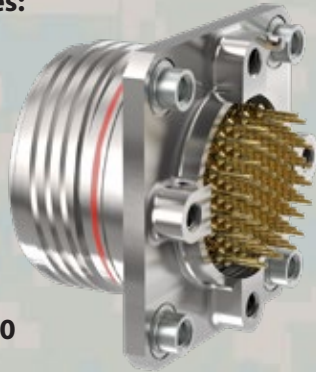
AVAILABLE LIGHTWEIGHT ALUMINUM "CODE RED" HERMETICS

CODE RED is a lightweight encapsulant sealing and assembly process with 50% package-weight savings compared to glass-to-metal seal Kovar/stainless steel solutions. Non-outgassing CODE RED (IAW NASA/ESA) provides durable hermetic sealing with 1X10^{-7} leak rate performance. Gold-plated copper contacts deliver outstanding low-resistance current carrying capacity.

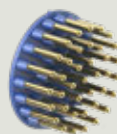**CODE RED**

SERIES 806 MIL-AERO PLUG

Coupling Nut Retainer Ring
Stainless steel

Coupling Nut
Aluminum alloy

Insert Retention Ring
Stainless steel

Wire Seal
fluorosilicone rubber

Insulators
Glass-filled rigid dielectric

Contacts
Gold-plated copper

Anti-Decoupling Spring
Stainless steel

Plug Barrel
High strength alloy

Interfacial Seal
fluorosilicone rubber

EMI Ground Spring
Nickel-plated BeCu

SERIES 806 MIL-AERO RECEPTACLE

Insert Retention Ring
Stainless steel

Wire Seal
fluorosilicone rubber

Insulators
Glass-filled rigid dielectric

Jam Nut
Aluminum alloy

Shell / Mating Interface
Aluminum, modified triple-start

Panel O-ring
Fluorosilicone

Shell Body
Aluminum alloy
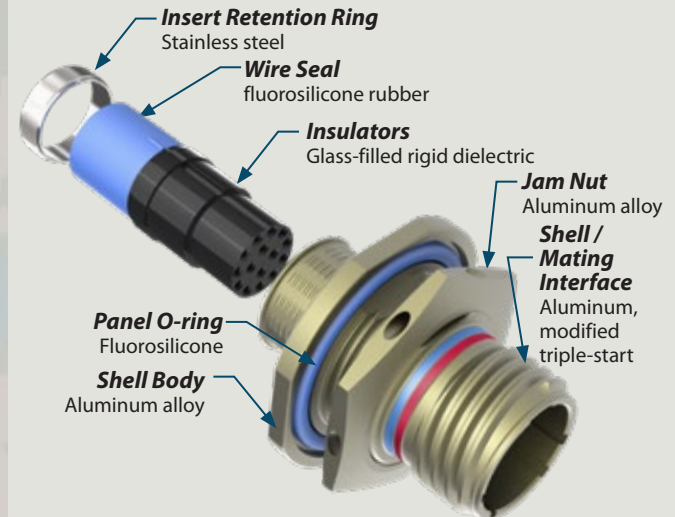
SMALLER AND LIGHTER WITH EQUAL D38999 PERFORMANCE?

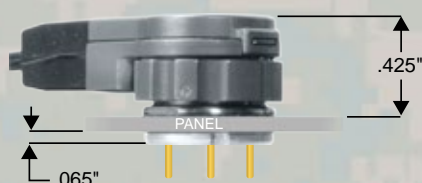| *High-Density Layouts*	*"Top Hat" Insulator*	*Triple Ripple Wire Seal*
Twice as many contacts in a smaller package	High voltage rating, foolproof alignment	Reliable 75,000 ft. altitude immersion

MOUSEBUD™

MouseBud: the snap-lock trigger-release connector

Ultra low-profile, light weight, harsh-environment tactical connector with push-to-mate and lock / trigger-release mating
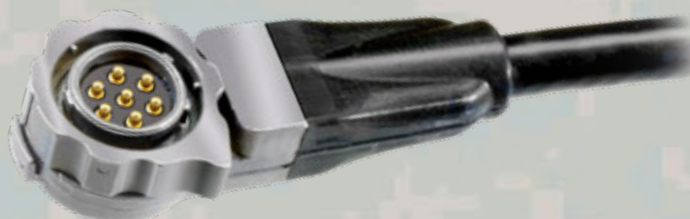
- Self-locking auto-coupling, trigger-release mechanism
- Spring-loaded pins for extended durability and easy cleaning
- One meter, one hour water immersion
- 2000 cycles mechanical life
- High-speed data, power, video, and audio applications
- Meets MIL-STD-810G shock, vibration, immersion
- EMI protected with integral backshell and ground spring
- Ultra low-profile and lightweight

.425"

PANEL

.065"

Ultra low-profile in mated condition

"Hot shoe" receptacle with PC tail terminations

Overmolded cordsets

© 2020 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324

MouseBud™

The snap-lock, trigger-release connector
for helmets, vests, and other low-profile applications

MOUSEBUD TECHNICAL SPECIFICATIONS
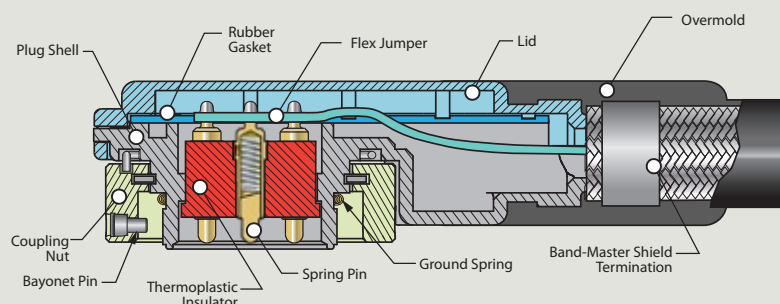
Overmolded Plug Cordset
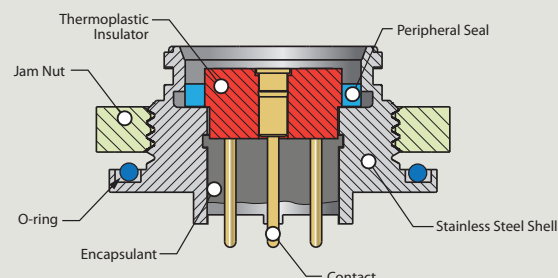
Panel Receptacle

Glenair MouseBud snap-lock, trigger-release connectors feature a spring-loaded contact system for excellent resistance to damage and debris entrapment. The biased plunger is machined from solid copper alloy for improved strength, durability, and electrical performance compared to plungers drawn from sheet metal.

MouseBud Specifications	
Voltage rating	500 VAC
Current rating	5 amps
Contact resistance	20 milliohms maximum
Plug-to-receptacle ground resistance	<5 milliohm
Maximum wire size	#24 AWG
Insulation resistance	5000 megohms min.
Water immersion	MIL-STD-810 Method 512, one meter for one hour
Durability	2000 mating cycles
Corrosion resistance	1000 hours
Sine vibration	EIA-364-28 condition IV, 20g peak
Random vibration	EIA-364-28 condition V letter H, 29g rms
Shock	EIA-364-27 condition D, 300g peak
EMI shielding effectiveness	40 dB minimum to 10 GHz

The Series 860 MouseBud™ is designed for vest-wearable and helmet-mounted cable-to-tactical equipment interconnections. The ultra low-profile spring contact equipped MouseBud™ mated connector stack is less than 1/2 inch, making it the lowest-profile right-angle solution available today. Overmolded MouseBud cordsets are available in two standard versions. Style 1 cordsets feature thermoplastic polyurethane cable jackets and polyamide overmolding. Style 2 cordsets with thermoplastic rubber (TPV) cable jackets and overmolding offer excellent cold bend performance down to -55° C.

GROUND SOLDIER

SUPERFLY DATALINK

The Ultraminiature 10G Ethernet and USB 3.0 Connector for Harsh-Environment Defense Applications

High speed, harsh environment SuperFly® Datalink connectors—shielded for 10Gb Ethernet and SuperSpeed USB protocols—deliver outstanding signal integraity and save significant size and weight compared to Quadrax solutions.

SuperFly Datalink White
10G Ethernet

SuperFly Datalink Blue
SuperSpeed USB

- Ultra-small size
- Shielded Octaxial contacts
- Up to 5 Gbps
- 10Gb Ethernet and SuperSpeed USB
- Environmentally protected
- Factory-terminated cables or discrete contacts and cables for customer assembly

SuperFly® Datalink
The high-speed ultraminiature connector for harsh environment defense applications

Glenair®

CONNECTOR CONFIGURATIONS

Quick -disconnect "push-pull" versions are ideal for tactical gear. Threaded-coupling versions are intended for aircraft and space-grade applications where secure mating is a requirement.

Quick Disconnect

Threaded Coupling

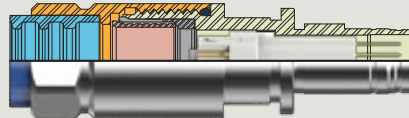**Straight PC Tails**

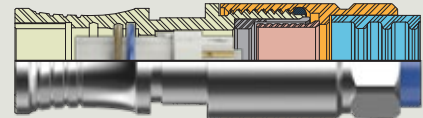**Right Angle PC Tails**

Conformal-coating-compliant panel mount connectors

Push-Pull Quick-Disconnect

Latching EMI Springs
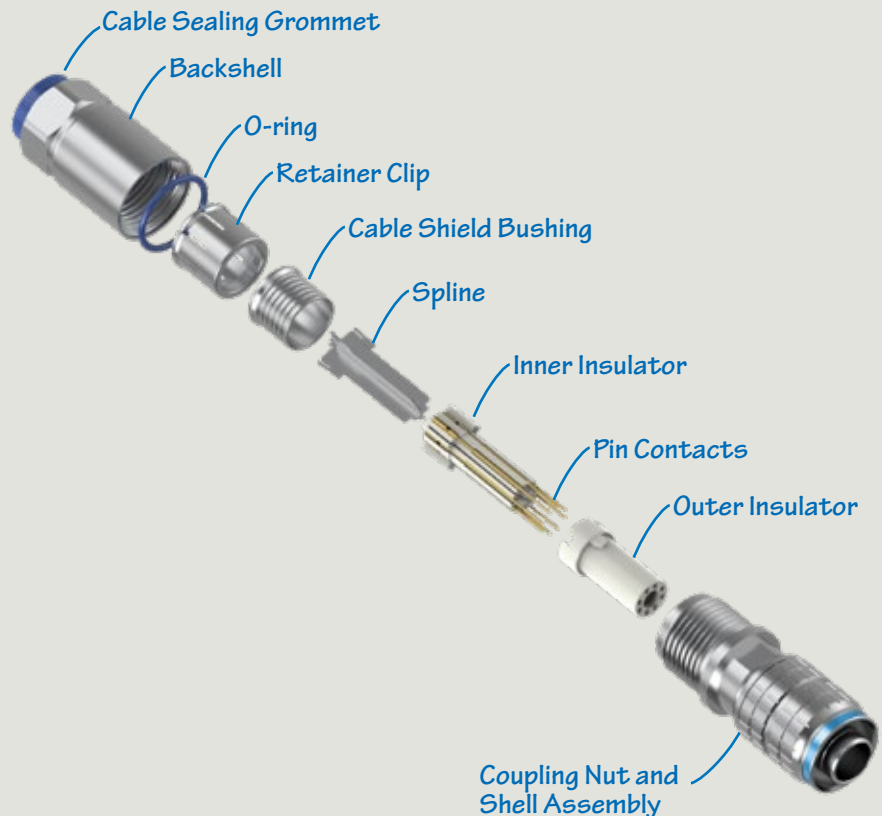
O-ring Interface Seal

882-001 Plug Connector

882-002 Receptacle Connector

Push-pull SuperFly Datalink receptacle connectors feature two canted coil springs for secure mating and excellent EMI protection. A fluorosilicone O-ring provides watertight sealing when mated.

Cable Connector

Cable Sealing Grommet

Backshell

O-ring

Retainer Clip

Cable Shield Bushing

Spline

Inner Insulator

Pin Contacts

Outer Insulator

Coupling Nut and Shell Assembly

Cable connectors feature gold-plated crimp contacts, precision insulators, integral backshell, sealing grommet and machined shells.

HiPer 55116

QPL and high-performance MCOTS 55116 Audio / Radio Connector Technology

Series 152 HiPer 55116 connectors offer significant performance advantages for modern soldier communication systems

Integrated banding porch/shrink boot groove

<10 mΩ contact resistance

1000 hour+ salt spray corrosion-resistant

Integrated EMI Ground Spring

Fully intermateable and interoperable with MIL-DTL-55116 connectors

- ■ **Intermateable and interoperable with standard MIL-DTL-55116 connectors**
- ■ **Low contact resistance: Less than 10 milliohms**
- ■ **Integrated EMI ground spring provides improved 2.5 milliohm shell-to-shell conductivity performance**
- ■ **IP68 rated sealing in mated and unmated condition, prevents water ingress into radio equipment**
- ■ **1,000 hour+ salt spray corrosion resistance**
- ■ **Integrated cable shield termination band porch**
- ■ **Superior 100 pound cable pull test rating**

GLENAIR DLA QUALIFIED SERIES 151 STANDARD MIL-DTL-55116 AUDIO CONNECTORS
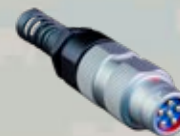

151-001 MIL-DTL-55116 QPL
audio plug with wire strain relief

151-002 MIL-DTL-55116 QPL
audio plug/overmold adapter

151-003 MIL-DTL-55116 QPL
radio-mount jam nut receptacle

151-004 MIL-DTL-55116 QPL
in-line receptacle, strain relief

SERIES 152 INTERMATEABLE
HiPer 55116
Radio Connectors and Cables
Superior environmental, EMC, and durability performance

*G*lenair®

SERIES 152 HIPER 55116 CONNECTOR SELECTION GUIDE

Audio plug, field serviceable, with wire strain relief and rigid contacts, crimp and solder cup

Overmolded audio plug cordset with wire strain relief

Audio plug with shield termination porch, overmolding adapter and rigid contacts, crimp and solder cup

Overmolded audio plug cordset

In-line receptacle with shield termination porch, overmolding adapter, and non-rigid spring contacts, crimp and solder cup

Overmolded in-line audio receptacle cordset

Radio-mount jam nut audio receptacle with non-rigid spring contacts or PC tails and optional ground pins

***Filtered* radio-mount jam nut audio receptacle with non-rigid spring contacts, solder cup or PC tails**

Special adapter configurations and protective covers

SuperSeal RJ45 and USB field connectors. Now available for USB SuperSpeed 3.0

RJ45/USB
SUPER
SEAL™

USB
SuperSpeed 3.0
Compatible

Military-grade, ruggedized field connectors that deliver improved environmental sealing, EMI/RFI grounding, and a broader range of wire termination options for RJ45 and USB—now for SuperSpeed 3.0

Available ruggedized memory stick 32GB, 64GB, and 128GB versions

- **New SuperSpeed USB 3.0 protocol support**
- **Superior sealing—IP67 unmated—for complete system protection against water, sand and dust**
- **Highly durable SuperSeal™ insert design, provides enhanced operating temperature, increased life-cycle, and rugged vibration and shock performance**
- **Crimp, solder-cup, PC tail and cable assemblies**

SuperSpeed USB 3.0
Ruggedized connectors and cables
MIL-DTL-38999 Series III Type

NEW SUPERSPEED USB 3.0 RUGGEDIZED FIELD CONNECTORS

Cable plug

Wall mount receptacle with metric clinch nuts

Wall mount receptacle with slotted holes

Wall mount receptacle with round holes

Jam nut mount Receptacle

TURNKEY SUPERSPEED USB 3.0 CABLE ASSEMBLIES AND JUMPERS

Glenair SuperNine USB 3.0 cable jumpers, SuperSeal to standard USB Type A and Micro-B connectors

SuperSeal USB 3.0 connectors are available as turnkey cable jumpers. Rugged field connector styles—including plug, wall mount and jam-nut receptacles—may be cabled with commercial 3.0 connector types including male Type A, female Type A, and male Micro B. Assemblies may be ordered with straight or right angle cable exit. In addition, the USB 3.0 insert may be ordered in horizontal or vertical orientation to provide protection against mis-mating. Maximum overall length is 15 feet.

SUPPORTED USB 3.0 CONNECTOR TYPES

USB 3.0 male Type A

USB 3.0 female Type A

USB 3.0 male Micro B

USB ORIENTATION OPTIONS

Pin 1   Pin 4

▼ = Master Keyway

Pin 1
Pin 4

Horizontal

Vertical
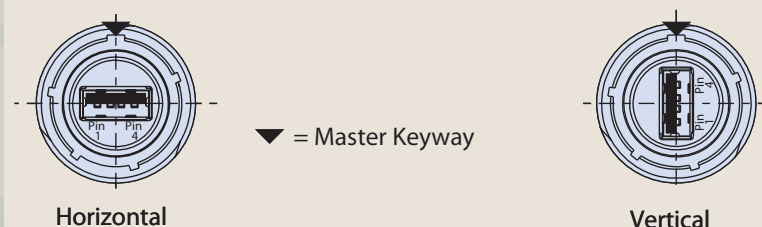
Glenair Mil-Spec Interconnect Technologies

Qualified Products: Glenair is a Mil-Aero connector supplier. Our product quality begins in engineering (the largest team in the high-performance interconnect business) and is realized in our "made in the USA" vertically-integrated manufacturing cells. One of the key ways we ensure both areas are functioning smoothly is to submit designs and manufactured specimens into the military QPL process administered by the Defense Logistic Agency of the US government. These certification exercises are multi-year activities that test every aspect of a connector's performance.
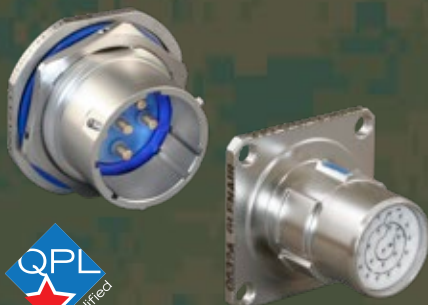
MIL-DTL-38999 Series III
environmental connectors
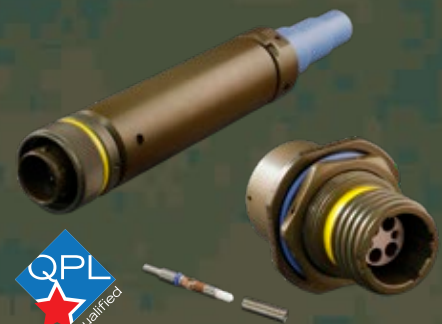
MIL-DTL-38999 Series IV
environmental connectors

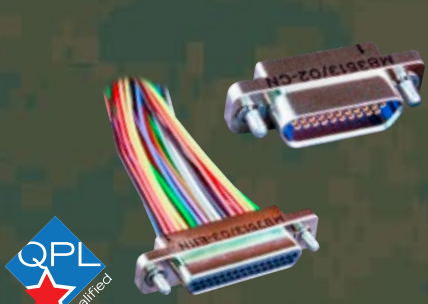**MIL-DTL-28840 shipboard**
connectors and accessories

MIL-DTL-38999 Series I, II, III, and IV
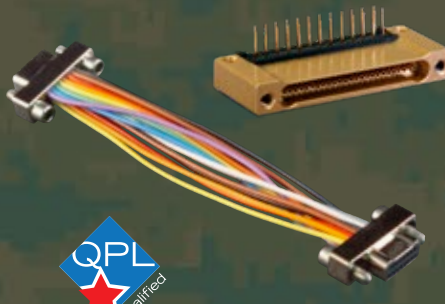**hermetic connectors**

MIL-DTL-24308
hermetic connectors

MIL-DTL-28876
shipboard fiber optic

MIL-DTL-83513 Micro-D
connectors and accessories

MIL-DTL-32139 Nanominiature connectors
and accessories

MIL-DTL-29504 (fiber optic) and AS39029
(electrical) contacts

MIL-DTL-55116 Radio / Audio Connectors

VG95234 Reverse-Bayonet and VG96929 Single-Pole

VG95328 Bayonet-Lock IAW MIL-C-26482

M85049 (AS85049) backshells and connector accessories

MIL-DTL-83723 backshells and connector accessories

M81511 (AS81511) protective covers and connector accessories

M85049/140 series qualified / TACOM-approved environmental shrink boots

MIL-PRF-24758 Navsea-qualified conduit and fittings

M85049 composite backshells and covers for MIL-DTL-38999

GLENAIR'S COMMITMENT TO QUALITY

Glenair is proud of the quality and reliability we build into our broad range of mission-critical interconnect solutions—from discrete connectors to complex cable assemblies and embedded systems. Glenair is the biggest "made in the USA" interconnect supplier in the high-reliability industry, but we also operate factories in the UK, Italy, and Germany to serve the unique requirements of those markets. Glenair's Worldwide Quality System is ISO 9001 and AS9100 certified and registered. We also hold many discrete product and operations certifications for specialty, high-performance markets including space, nuclear power, and rail. In addition to world-class quality, we are laser-focused on customer service and committed to being the easiest manufacturer in our industry to do business with. Here are just some of our key customer service principles:

- **Lightning-fast turnarounds on quotes and special orders**
- **Worldwide sales and technical support in every major market**
- **Full-spectrum, "no gap" product lines**
- **No dollar or quantity minimums**

- **ISO 9001 and AS9100 certified**
- **Huge same-day shipment inventory**
- **Generous NRE, RMA, and sample request policies**
- **Abundant engineering and technical support**
- **No attitudinal constraints when it comes to customer convenience and service**

![Glenair logo]

MISSION-CRITICAL
INTERCONNECT SOLUTIONS

Glenair, Inc.

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Telephone: 818-247-6000 • Fax: 818-500-9912 • sales@glenair.com
www.glenair.com

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Glenair Microway Systems 7000 North Lawndale Avenue Lincolnwood, IL 60712	Telephone: 847-679-8833 Facsimile: 847-679-8849
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Glenair GmbH Schaberweg 28 61348 Bad Homburg Germany	Telephone: 06172 / 68 16 0 Facsimile: 06172 / 68 16 90 info@glenair.de
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