

MISSION-CRITICAL  
INTERCONNECT  
SOLUTIONS



INTEROPERABLE  
NATO STANAG 4695  
SOLDIER POWER CONNECTORS

STAR-PAN™

NG

BATTLE-TESTED

# STAR-PAN™ NG

Next-Generation STAR-PAN Multiport USB Hub, Cable,  
and Power Management System

MAY 2025



*BATTLE-TESTED*

# STAR-PAN™ NG



## Next-Generation STAR-PAN Multiport USB Hub, Cable, and Power Management Systems

The Glenair next-generation STAR-PAN NG ecosystem incorporates a range of new capabilities in direct response to requests from JTACs, special operations forces, mission commanders, and other military specialists. Design innovations in STAR-PAN NG have resulted in higher current-carrying capabilities, greater versatility in power input support, and real-time plug-and-play USB device integration. The STAR-PAN NG hub and cable series offers a number of interface improvements and circuit board innovations including:

- A new 10A per-pin power connector design in the same dimensional package as our original 5 amp series 807 NATO STANAG 4695 push-pull connector. The new connector design features a retractable pin number 7 for backward-compatibility to legacy devices.
- Previous generation STAR PAN Plus hubs have dedicated power ports for battery power, auxiliary power, and radio power. New STAR-PAN NG Universal Power Ports (UPP) may be used interchangeably for any format of input or output power. The Universal Power Port interface supports both higher voltage input power and managed 5V output power to charging devices.
- STAR-PAN NG incorporates an advanced host port with native USB-C negotiation and power integration—power pin assignments are in conformance with the new standard, are backward-compatible to previous USB iterations, and deliver higher overall power levels. Daisy-chaining of multiple EUD devices for power input is also enabled via the new host port and circuit board.
- STAR-PAN NG supports the new USB 3.2 Gen 1 5Gbps standard. STAR-PAN X Base Station, our new 10-port “walk-on, walk-off” vehicle / soldier hub features board upgrades and interconnect interfaces in accordance with this new data rate standard.

- Versatile 1, 2, 3, and 4 PAN port-equipped hub configurations
- Universal Power Ports with embedded power charging
- Integrated MISSION MANAGER for plug-and-play device integration
- Circuit board level USB-C power integration and delivery
- Precision-machined hub bodies, IAW MIL-STD-810 harsh-environment, IP67 dust/water resistant
- Standard NG solutions and custom configurations
- NG system is compatible with many STAR-PAN + cables

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.

# BATTLE-TESTED STAR-PAN NG™

## Scalable Multiport USB Hub / Power Distribution Technology for Battlefield C5ISR Applications

### HUBS AND ACCESSORIES



USB hubs with optional mission manager enabling the war fighter with scalable solutions for a wide variety of peripherals, radios, end-user (EUD), power supplies, and other mission-specific equipment. New 10 port Base Station X.

### GENERAL-PURPOSE CABLES



Basic range of hub-to-EUD, radio-to-PAN, and core battery hookup cables used in virtually every STAR-PAN configuration.

### RADIO CABLES AND ADAPTERS



Across-the-board integration and cable support for all soldier radio types including radio sidehat power and data adapters.

### POWER CABLES AND BATTERY ADAPTERS



Complete range of cables and battery adapters for all military battery types, next-generation conformal batteries, shared radio power, and AC/DC power sources.

### TARGETING CABLES AND ADAPTERS



Integration and cable support for US and NATO-standard hand-held range finders and targeting system devices.

### VIDEO / GPS AND AUXILIARY CABLES



Video downlink, GPS, and auxiliary C4ISR device cables, including the complete range of TacROVER peripherals.

### HOST / EUD CABLES AND ADAPTERS



End User Device cables for connection of End User Device into the STAR-PAN NG system.

### COMMERCIAL PROTOCOL CABLES AND ADAPTERS



Ruggedized cables and jumpers for the interconnection of devices equipped with commercial interface connectors such as USB, RJ45, and RS-232.

HUBS

GENERAL  
PURPOSE

RADIO  
CABLES

POWER  
CABLES

TARGETING CABLES  
AND ADAPTERS

VIDEO / GPS AND  
AUXILIARY CABLES

HOST/EUD  
CABLES

COMMERCIAL  
PROTOCOL CABLES  
AND ADAPTERS



# STAR-PAN™ NG 1/2 for Dismounted Infantry and Special Operations

**Lightweight hub and cable systems enabling  
situational awareness, comms, and improved  
power management**

Ruggedized soldier-worn electronics have revolutionized mission effectiveness. But radio communications, GPS/navigation, video downlink, and squad network computing have added significant mission weight to the ground soldier and tactical squad ensemble. Glenair STAR-PAN NG 1/2 and STAR-PAN NG 2/2 data hub and power distribution systems enable ground soldiers, special operations squads, and other tactical units to make the most of communication and computing devices, improving situational awareness and reconnaissance, while optimizing battery power monitoring and distribution performance.

Next-generation STAR-PAN NG systems incorporate powerful new capabilities in direct response to user requests and battlefield requirements, including higher-current USB-C power integration, the elimination of dedicated auxiliary, radio, and battery power ports in favor of a new Universal Power Port model and an expanded-capability Host / EUD port.

## STAR-PAN NG NEXT- GENERATION FEATURES

- High-current connectors
- Universal Power Port
- USB-C power integration and delivery

## STAR-PAN STANDARD FEATURES

- Compliance to both US and NATO STANAG 4695 connector interfaces
- Smart battery power management, built-in SMBus battery monitoring
- BMA-agnostic hardware
- Hot-swappable power sourcing, radio-supplied backup power support
- Water immersion IAW MIL-STD-810, IP67-rated dust/water resistant
- Intuitive equipment hookup and operation

# BATTLE-TESTED STAR-PAN™ NG 1/2



## Hubs and Accessories

### TS2-011 STAR-PAN NG Hub, 1/2



#### STAR-PAN NG 1/2

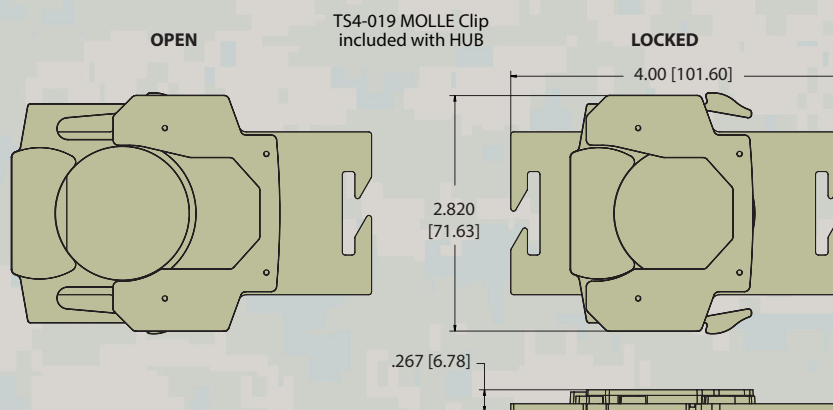
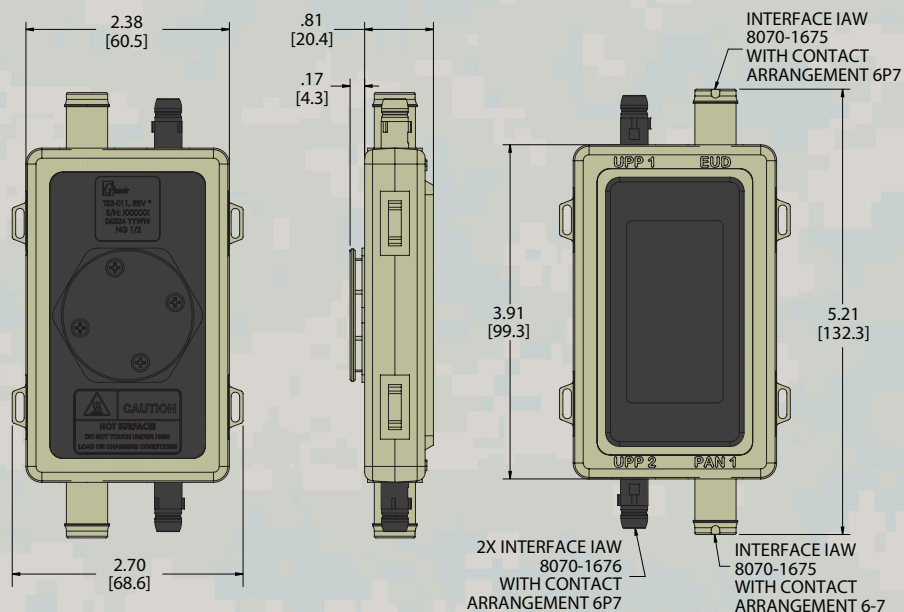
Our smallest hub with one EUD port, one PAN port, and two UPP universal power ports.

INTEROPERABLE  
NATO STANAG 4695  
SOLDIER POWER CONNECTORS



#### SPECIFICATIONS

- High-current connectors
- Universal Power Port (UPP)
- USB-C power integration and delivery
- Allows system daisy chaining
- Weight: .39 lbs
- Export classification: EAR99



TS4-019 MOLLE Clip  
included with HUB

BATTLE-TESTED

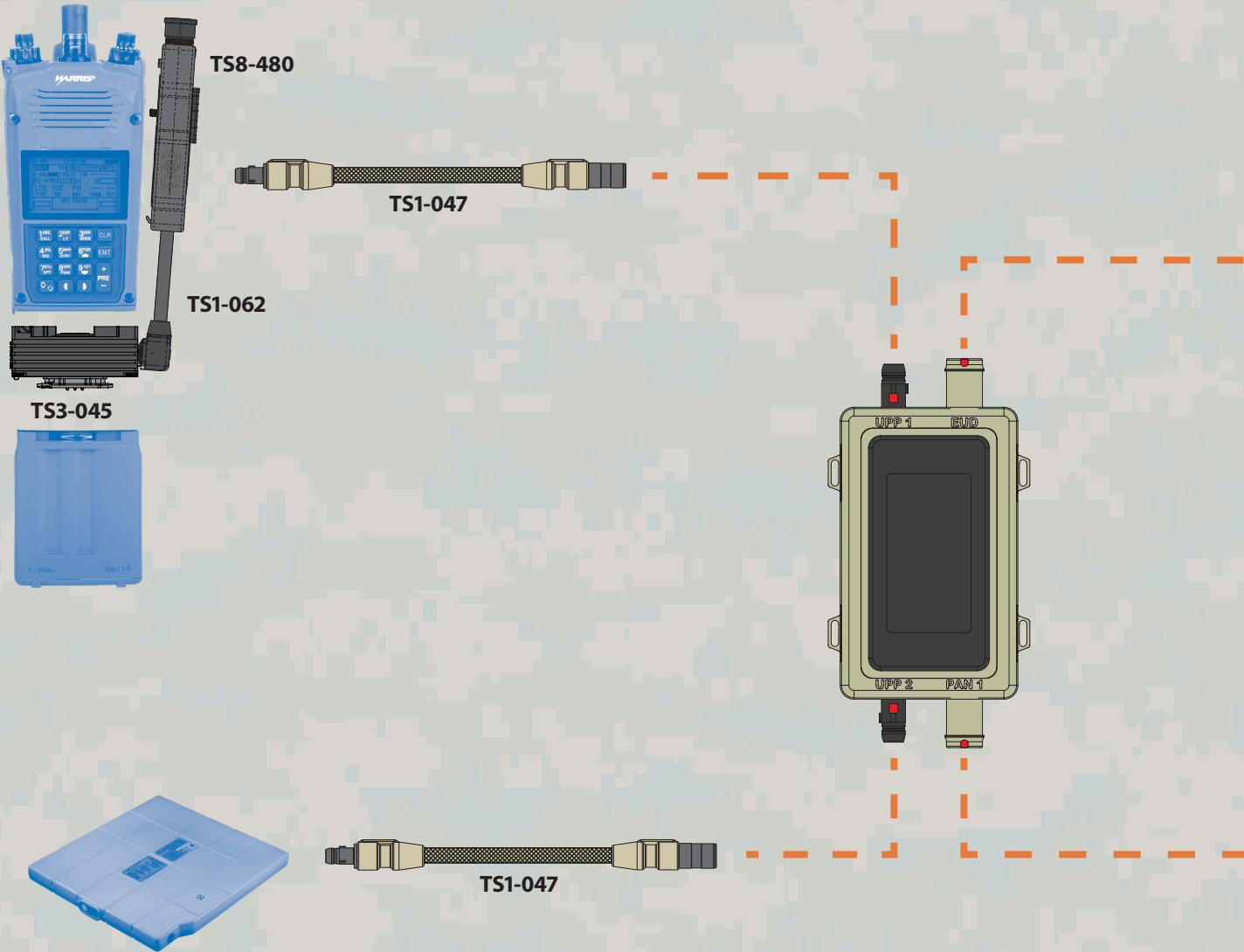
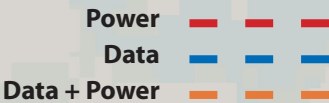
# STAR-PAN™ NG 1/2



Hubs and Accessories

## TS2-011 STAR-PAN NG Hub, 1/2 Configuration Diagram

HUBS AND ACCESSORIES



BATTLE-TESTED

# STAR-PAN™ NG 1/2



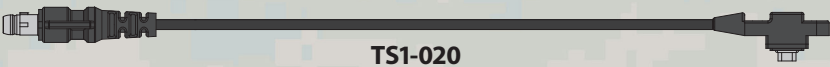
Hubs and Accessories

## TS2-011 STAR-PAN NG Hub, 1/2 Configuration Diagram

STAR-PAN NG TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

STAR-PAN NG Component Description	Part Number
STAR-PAN NG General-Purpose Extension Cable	TS1-047
USB-C to Mighty Mouse Plug, Juggernaut OPRTR Case	TS1-020
AN/PRC-163 Radio Adapter with Red/Black Switch	TS8-480
Cable Assembly, 7 Pin Back-to-back Radio-Battery Adapter	TS1-062
NG Universal Radio Power Booster	TS3-045

HUBS AND ACCESSORIES



TS1-020



TS1-047



**DISMOUNTED  
MULTI-DEVICE  
SOF / PLATOON  
DATA / POWER  
MANAGEMENT**



# STAR-PAN™ 2/2 for Dismounted Infantry and Special Operations

**Lightweight hub and cable systems enabling  
situational awareness, comms, and improved  
power management**

Ruggedized soldier-worn electronics have revolutionized mission effectiveness. But radio communications, GPS/navigation, video downlink, and squad network computing have added significant mission weight to the ground soldier and tactical squad ensemble. Glenair STAR-PAN NG 1/2 and STAR-PAN NG 2/2 data hub and power distribution systems enable ground soldiers, special operations squads, and other tactical units to make the most of communication and computing devices, improving situational awareness and reconnaissance, while optimizing battery power monitoring and distribution performance.

Next-generation STAR-PAN NG systems incorporate powerful new capabilities in direct response to user requests and battlefield requirements, including higher-current USB-C power integration, the elimination of dedicated auxiliary, radio, and battery power ports in favor of a new Universal Power Port model, an expanded-capability Host / EUD port, and integrated MISSION MANAGER plug-and-play device integration.

## STAR-PAN NG NEXT- GENERATION FEATURES

- High-current connectors
- Universal Power Port
- USB-C power integration and delivery
- Mission Manager device integration

## STAR-PAN STANDARD FEATURES

- Compliance to both US and NATO STANAG 4695 connector interfaces
- Smart battery power management, built-in SMBus battery monitoring
- BMA-agnostic hardware
- Hot-swappable power sourcing, radio-supplied backup power support
- Water immersion IAW MIL-STD-810, IP67-rated dust/water resistant
- Intuitive equipment hookup and operation

# BATTLE-TESTED STAR-PAN™ NG 2/2



## Hubs and Accessories

TS2-012 STAR-PAN NG Hub, 2/2 · TS2-022 with Integrated MISSION MANAGER™



### STAR-PAN NG 2/2

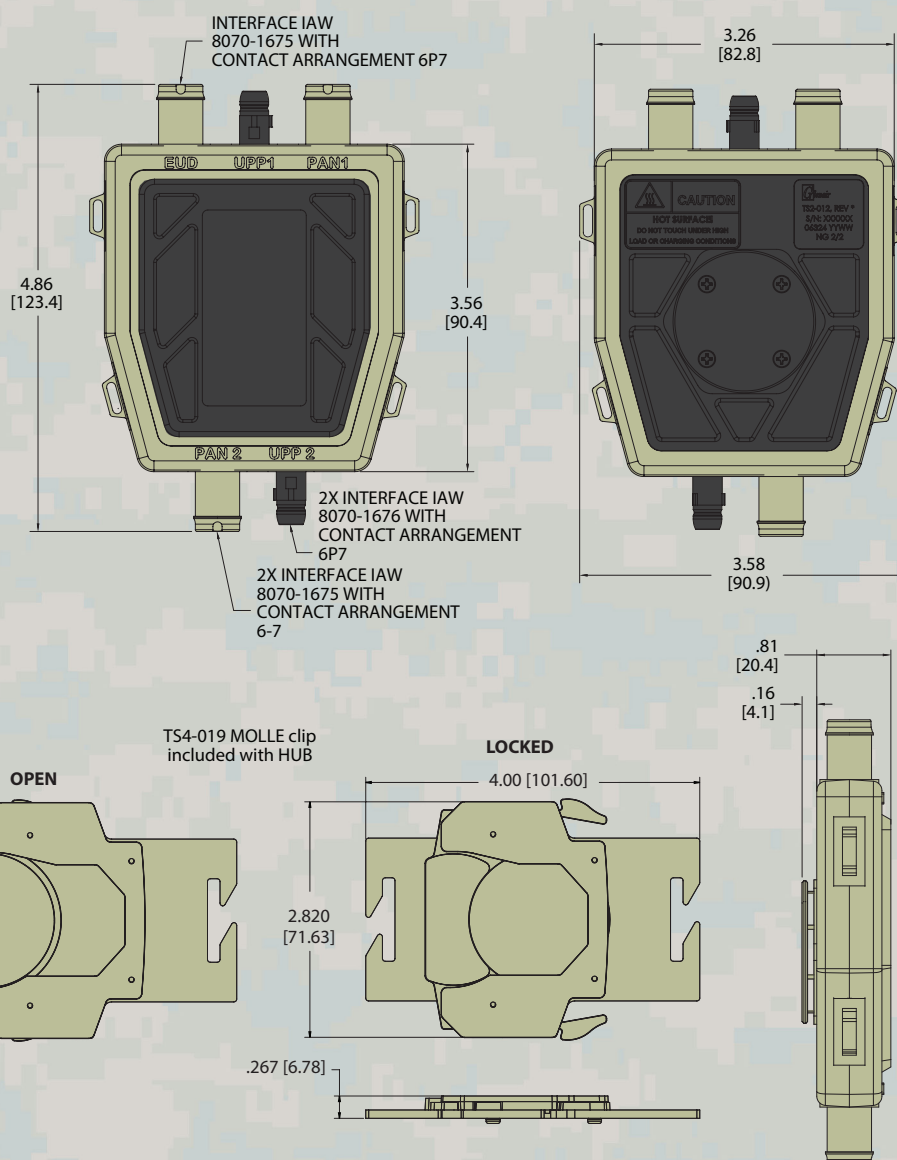
The next step up with one EUD port, two PAN ports, and two UPP universal power ports.

INTEROPERABLE  
NATO STANAG 4695  
SOLDIER POWER CONNECTORS



### SPECIFICATIONS

- High-current connectors
- Universal Power Port
- USB-C power integration and delivery
- Allows system daisy chaining
- Weight .42 lbs
- Export classification: EAR99



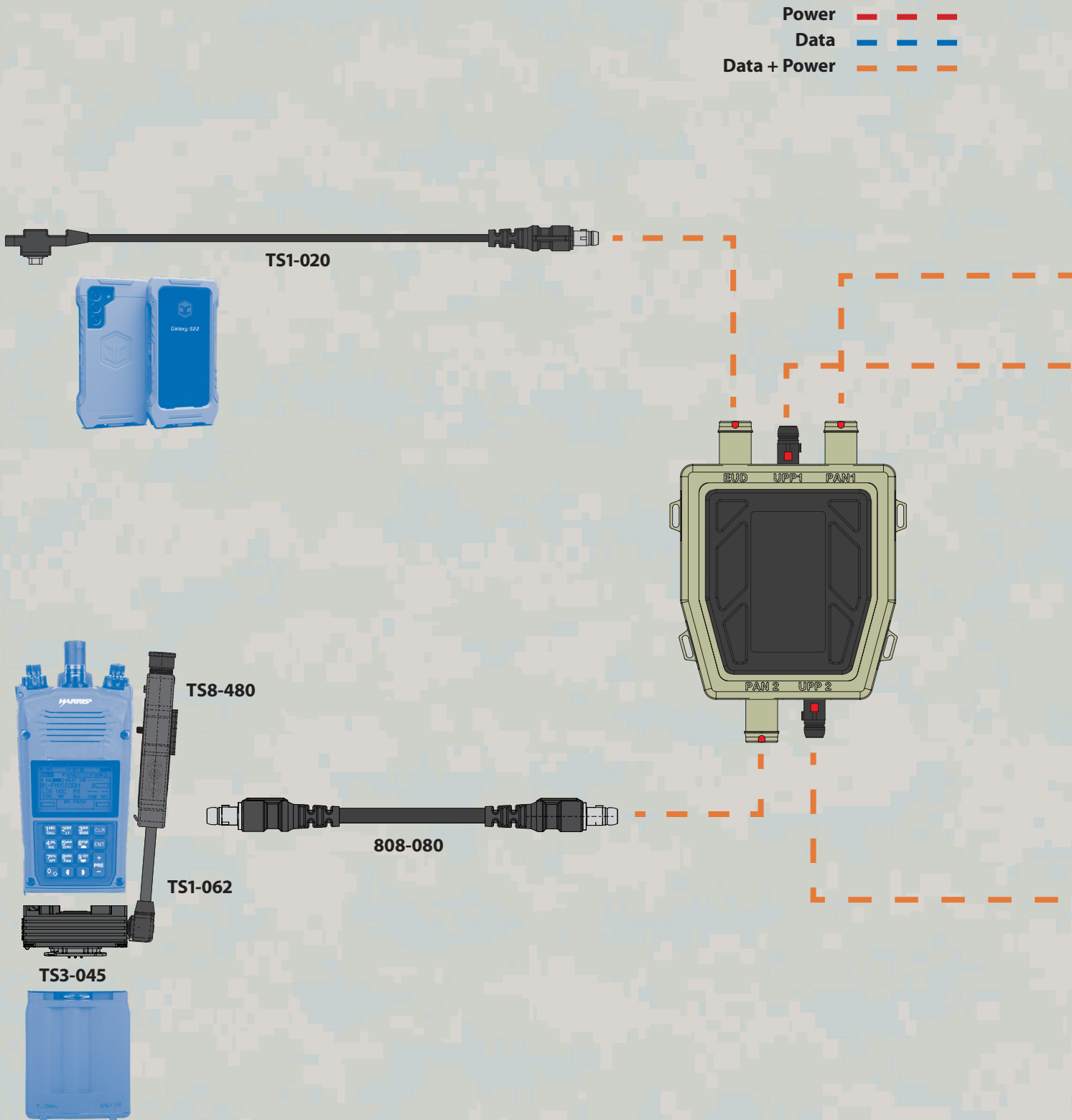
STAR-PAN™ NG HUBS + ACCESSORIES

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**STAR-PAN™ NG 2/2**



Hubs and Accessories  
TS2-012 STAR-PAN NG Hub, 2/2 Configuration Diagram

HUBS AND ACCESSORIES



BATTLE-TESTED

# STAR-PAN™ NG 2/2



## Hubs and Accessories

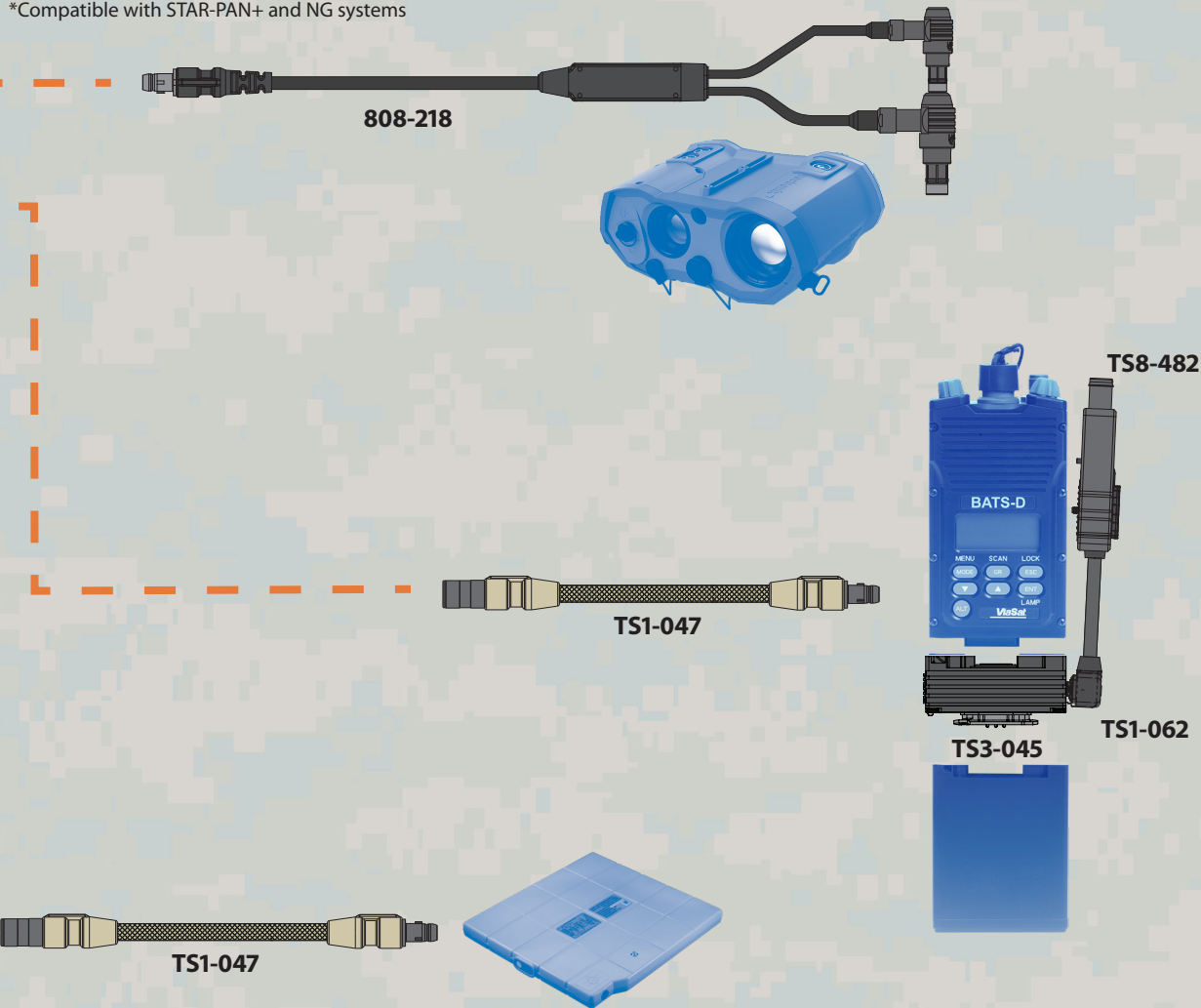
### TS2-012 STAR-PAN NG Hub, 2/2 Configuration Diagram

**STAR-PAN NG TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM**

STAR-PAN NG Component Description	Part Number
STAR-PAN NG General-Purpose Extension Cable	TS1-047
AN/PRC-163 Radio Adapter with Red/Black Switch	TS8-480
Cable Assembly, 7 Pin Back-to-back Radio-Battery Adapter	TS1-062
NG Universal Radio Power Booster	TS3-045
USB-C to Mighty Mouse Plug, Juggernaut OPRTR Case	TS1-020
Radio Adapter Cable	808-080*
AN/PRC-161 Radio Side Connector	TS8-482
Moskito TI Cable	808-218*

\*Compatible with STAR-PAN+ and NG systems

HUBS AND ACCESSORIES





# STAR-PAN™ NG 3/3

## Next-generation USB data/power hub for Ground Force Commanders, UAS and UGV controllers, and other complex tactical mission specialists

Ruggedized soldier-worn electronics have revolutionized mission effectiveness. But the ongoing evolution and complexity of mission profiles that depend on precision targeting, multiple formats of ground and air radio communications, real-time video downlink, GPS/navigation, and tactical squad networking has added significant weight to the mission commander ensemble. The Glenair STAR-PAN™ NG 3/3 data hub and power distribution system enables ground force commanders and other complex mission specialists to make the most of C5ISR devices, improving situational awareness, surveillance, intelligence, and reconnaissance while optimizing power monitoring and distribution performance.

Next-generation STAR-PAN NG systems incorporate powerful new capabilities in direct response to user requests and battlefield requirements, including higher-current USB-C power integration, the elimination of dedicated auxiliary, radio, and battery power ports in favor of a new Universal Power Port model, an expanded-capability Host / EUD port, and integrated MISSION MANAGER plug-and-play device integration.



### STAR-PAN NG NEXT-GENERATION FEATURES

- High-current connectors
- Universal Power Port
- USB-C power integration and delivery
- Mission Manager device integration

### STAR-PAN STANDARD FEATURES

- Compliance to both US and NATO STANAG 4695 connector interfaces
- Smart battery power management, built-in SMBus battery monitoring with integrated charging capability
- BMA-agnostic hardware
- Hot-swappable power sourcing, radio-supplied backup power support
- Water immersion IAW MIL-STD-810, IP67-rated dust/water resistant
- Intuitive equipment hookup and operation

# BATTLE-TESTED STAR-PAN™ NG 3/3



## Hubs and Accessories

TS2-013 STAR-PAN NG Hub, 3/3 · TS2-023 with Integrated MISSION MANAGER™

STAR-PAN™ NG HUBS + ACCESSORIES



### STAR-PAN NG 3/3

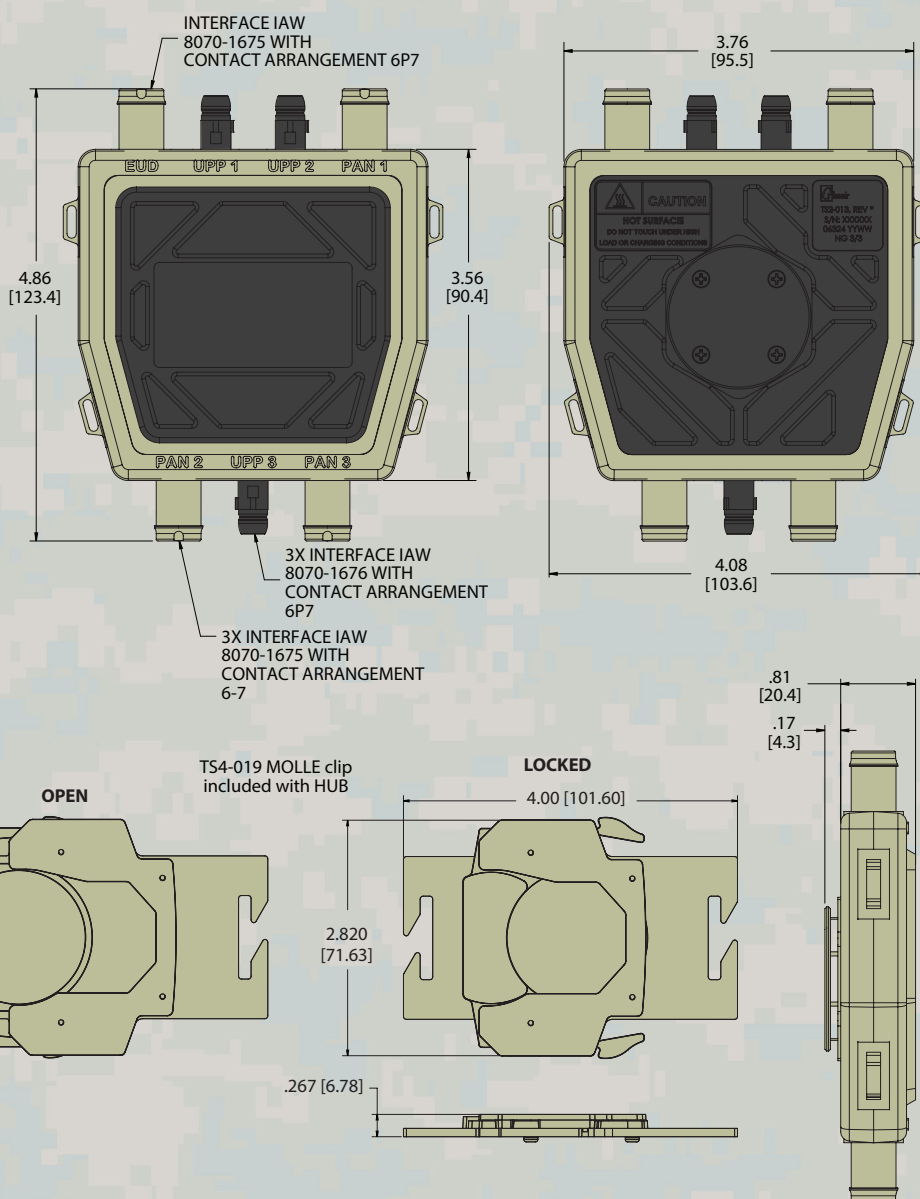
Next-generation design with one EUD port, three PAN ports and three UPP universal power ports.

INTEROPERABLE  
NATO STANAG 4695  
SOLDIER POWER CONNECTORS



### SPECIFICATIONS

- High-current connectors
- Universal Power Port
- USB-C power integration and delivery
- Allows system daisy chaining
- Weight: .47 lbs
- Export classification: EAR99

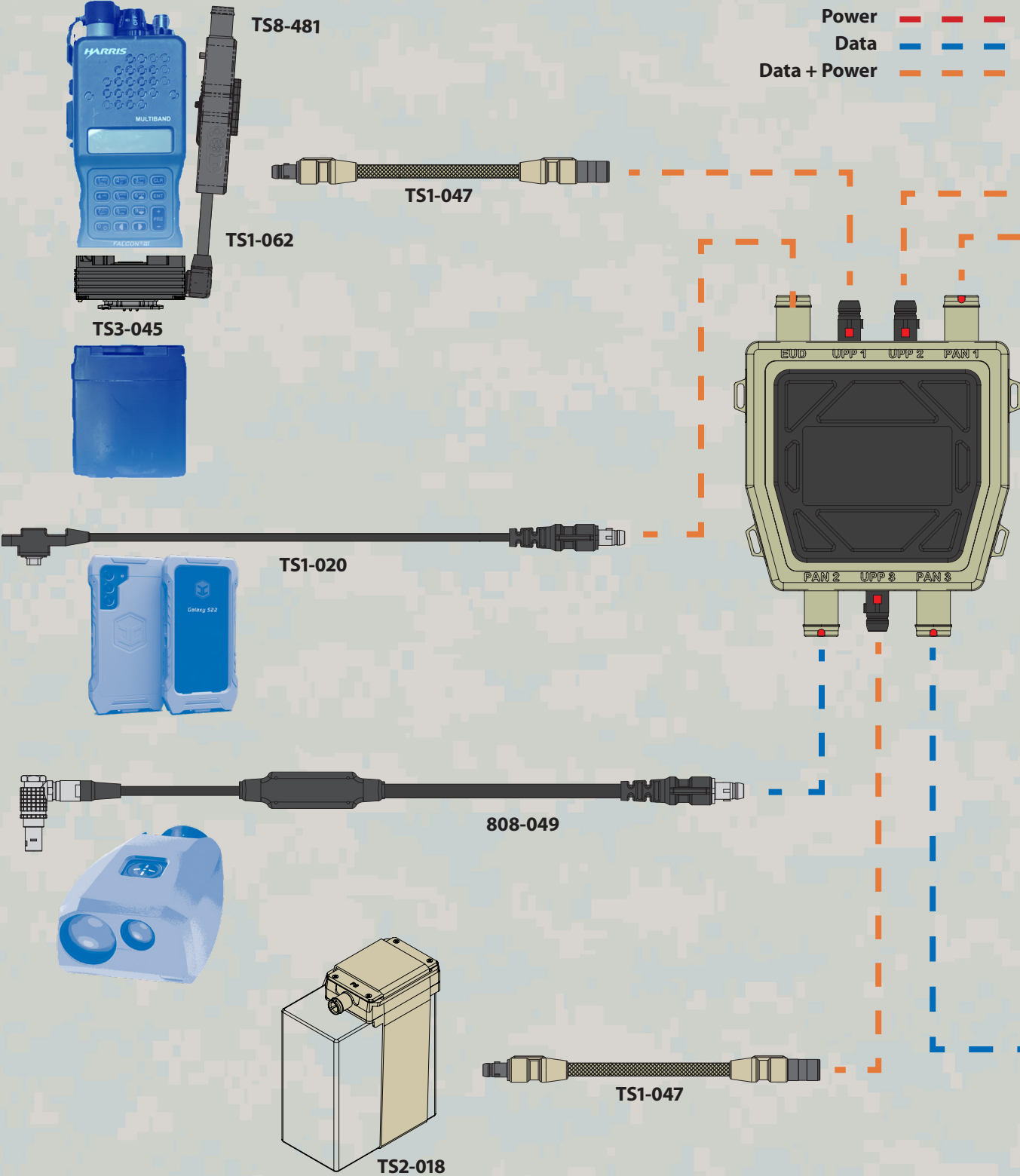


BATTLE-TESTED  
**STAR-PAN™ NG 3/3**



Hubs and Accessories  
TS2-013 STAR-PAN NG Hub, 3/3 Configuration Diagram

HUBS AND ACCESSORIES



BATTLE-TESTED

# STAR-PAN™ NG 3/3



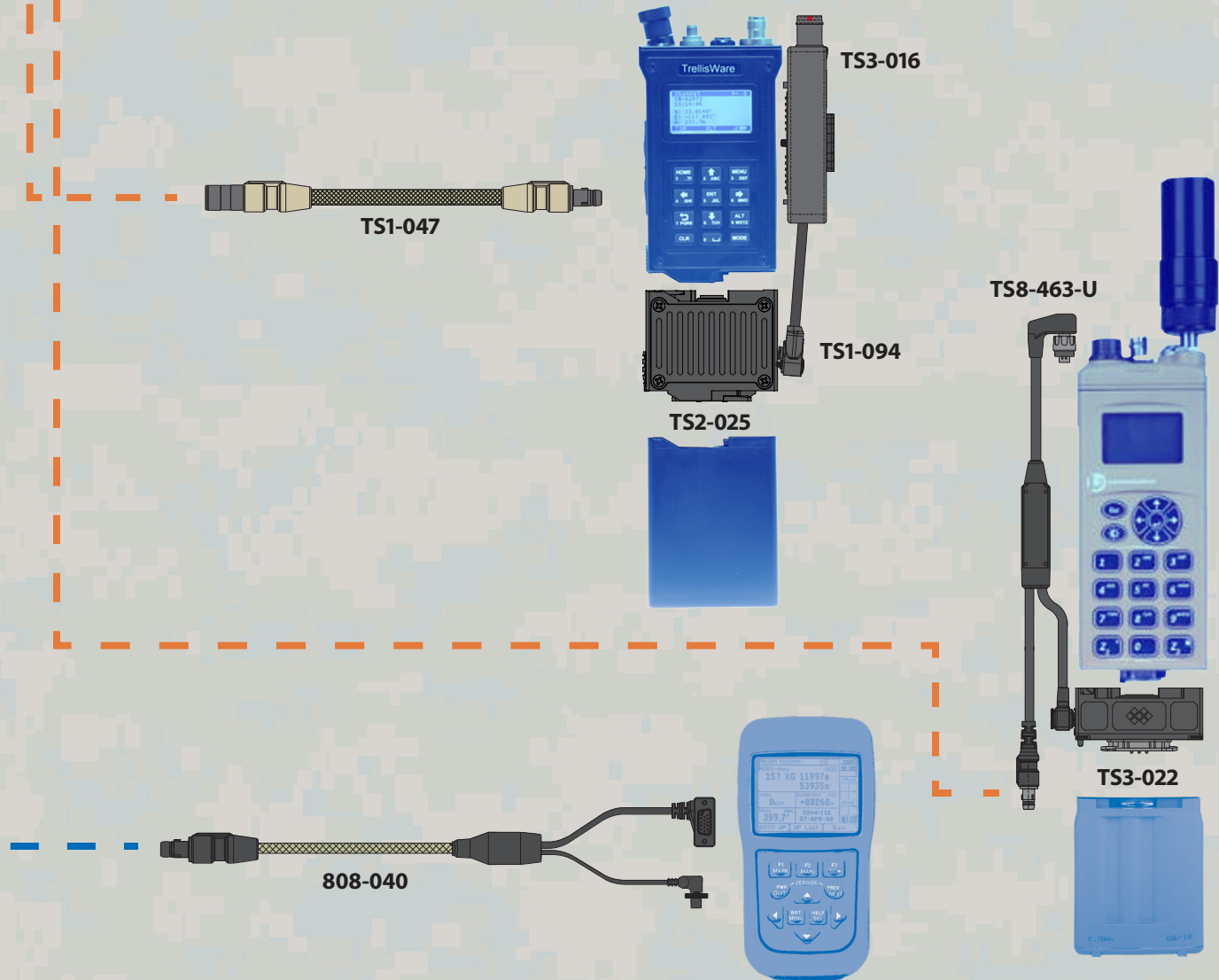
## Hubs and Accessories

### TS2-013 STAR-PAN NG Hub, 3/3 Configuration Diagram

#### STAR-PAN NG TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

STAR-PAN NG Component Description	Part Number
STAR-PAN NG General-Purpose Extension Cable	TS1-047
AN/PRC-152A Radio Side Adapter	TS8-481
Cable Assembly, 7 Pin Back-to-back Radio-Battery Adapter	TS1-062
NG Universal Radio Power Booster	TS3-045
USB-C to Mighty Mouse Plug, Juggernaut OPTR Case	TS1-020
PLRF 15C / 25C Cable	808-049*
Bb2590 Battery Adapter, EMI Box / 5V Regulator Options	TS2-018
DAGR GPS Cable	808-040*
TacROVER-E SIR 2.5 Cable ("U" Bend)	TS8-463-U*
Universal Radio Power Booster	TS3-022*
TrellisWare TW-950 TSM Shadow Radio Adapter	TS3-016
Radio Power Booster	TS2-025

\*Compatible with STAR-PAN+ and NG systems



HUBS AND ACCESSORIES



# STAR-PAN™ NG 4/4

**Next-generation USB data/power distribution hub  
for Digitally-Aided Close Air Support (DACAS)  
and other combined mission commander / JTAC  
applications**

Digitally Aided Close Air Support or DACAS is a specialized mission profile coordinating air and ground targeting and fires control. The Joint Terminal Attack Controller, or JTAC, is the specialized authority on the ground who, in coordination with air and ground commanders, controls the maneuvering and targeting of air assets and ultimately grants weapons release clearance to attacking aircraft, utilizing a dizzying array of digital equipment including multiple radio comm formats, digital video downlink, surveillance and targeting, drone reconnaissance, and more. The STAR-PAN™ NG 4/4 integrated system is designed to perfectly mesh with JTAC requirements for radio, power, and peripheral device support to extend the length and effectiveness of JTAC / DACAS missions.

Next-generation STAR-PAN NG systems incorporate powerful new capabilities in direct response to user requests and battlefield requirements, including higher-current USB-C power integration, the elimination of dedicated auxiliary, radio, and battery power ports in favor of a new Universal Power Port model, an expanded-capability Host / EUD port, and integrated MISSION MANAGER plug-and-play device integration.

## **STAR-PAN NG NEXT- GENERATION FEATURES**

- High-current connectors
- Universal Power Port
- USB-C power integration and delivery
- Mission Manager device integration

## **STAR-PAN STANDARD FEATURES**

- Compliance to both US and NATO STANAG 4695 connector interfaces
- Smart battery power management, built-in SMBus battery monitoring with integrated charging capability
- BMA-agnostic hardware
- Hot-swappable power sourcing, radio-supplied backup power support
- Water immersion IAW MIL-STD-810, IP67-rated dust/water resistant
- Intuitive equipment hookup and operation

# BATTLE-TESTED STAR-PAN™ NG 4/4



## Hubs and Accessories

TS2-014 STAR-PAN NG Hub, 4/4 · TS2-024 with Integrated MISSION MANAGER™



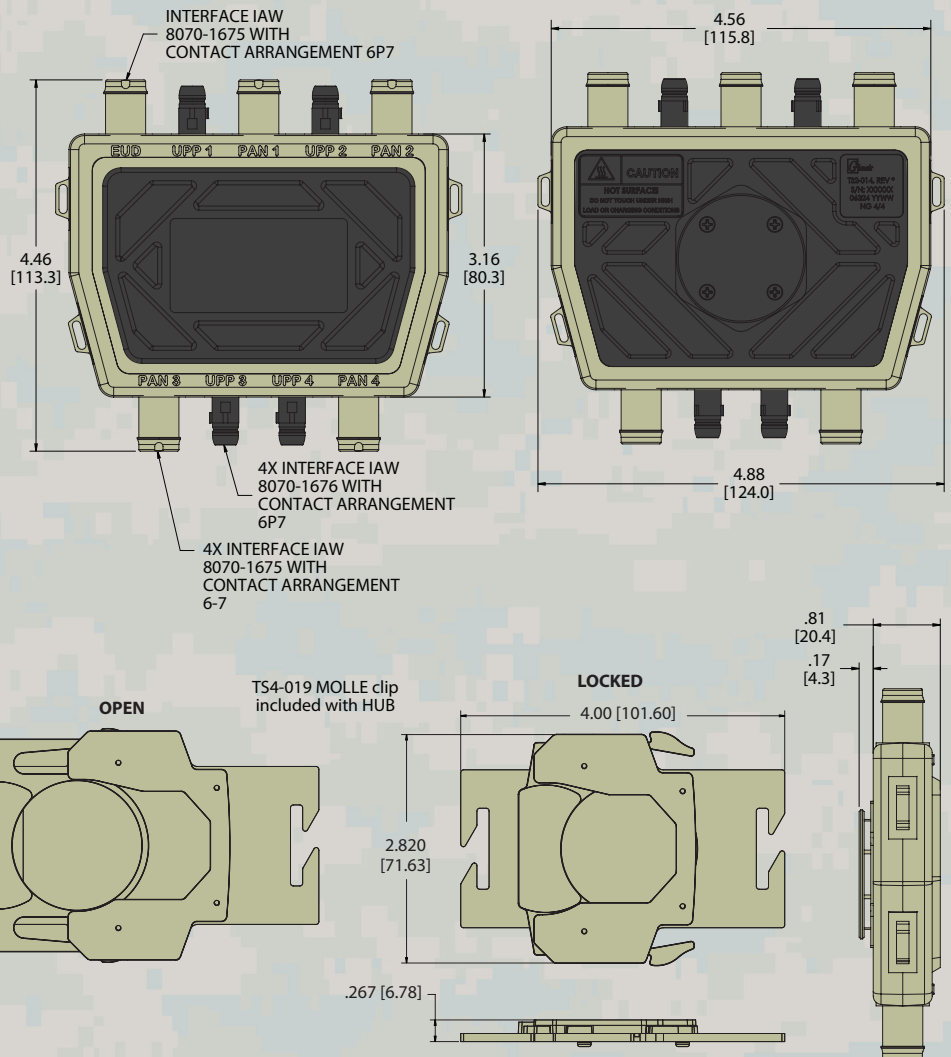
**STAR-PAN NG 4/4**  
Next-generation design  
with one EUD port, four  
PAN ports and four UPP  
universal power ports.

INTEROPERABLE  
**NATO STANAG 4695**  
SOLDIER POWER CONNECTORS



### SPECIFICATIONS

- High-current connectors
- Universal Power Port
- USB-C power integration and delivery
- Allows system daisy chaining
- Weight: .51 lbs
- Export classification: EAR99



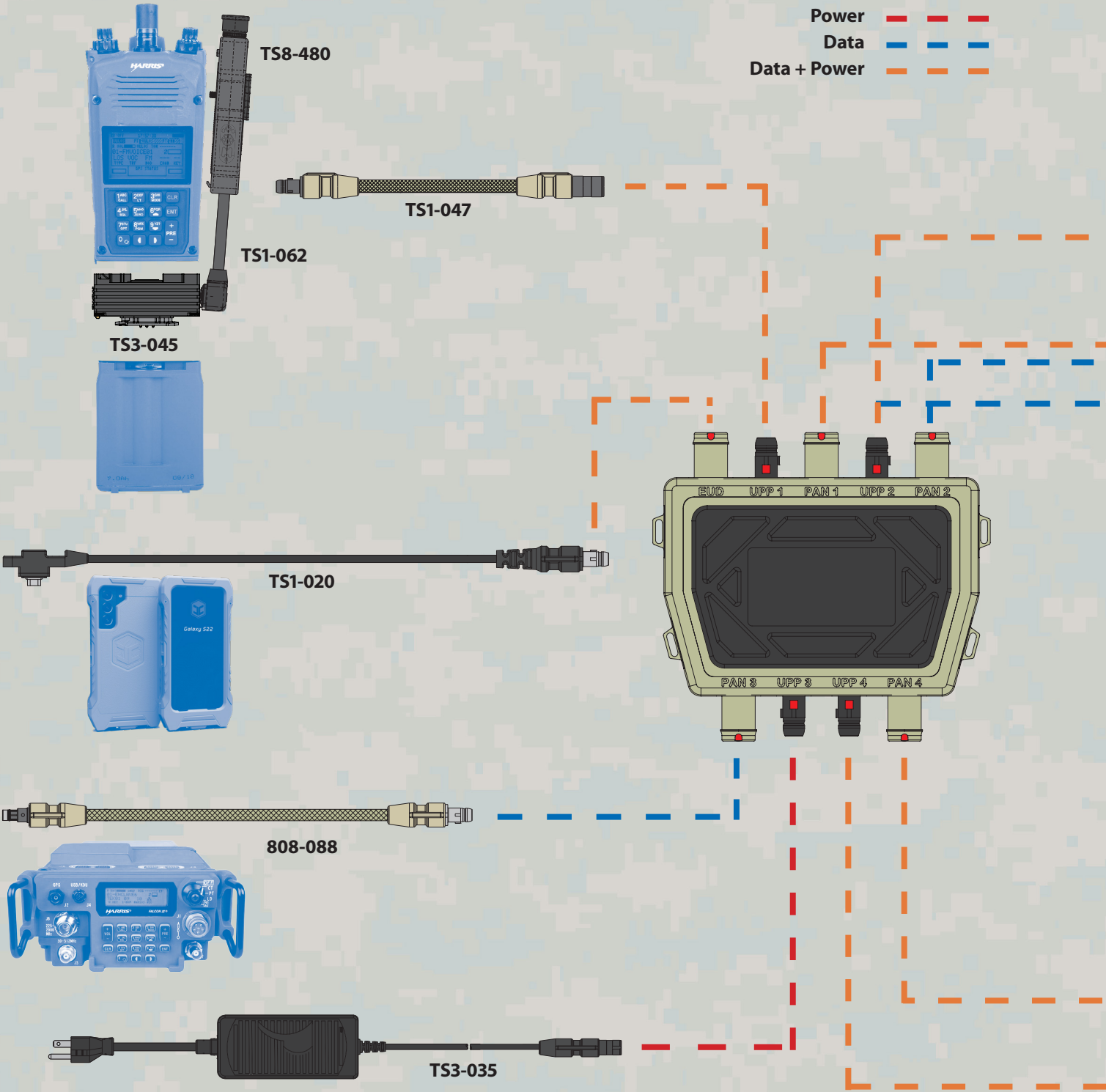
STAR-PAN™ NG HUBS + ACCESSORIES

BATTLE-TESTED  
**STAR-PAN™ NG 4/4**



Hubs and Accessories  
TS2-014 STAR-PAN NG Hub, 4/4 Configuration Diagram

HUBS AND ACCESSORIES



# BATTLE-TESTED STAR-PAN™ NG 4/4



## Hubs and Accessories

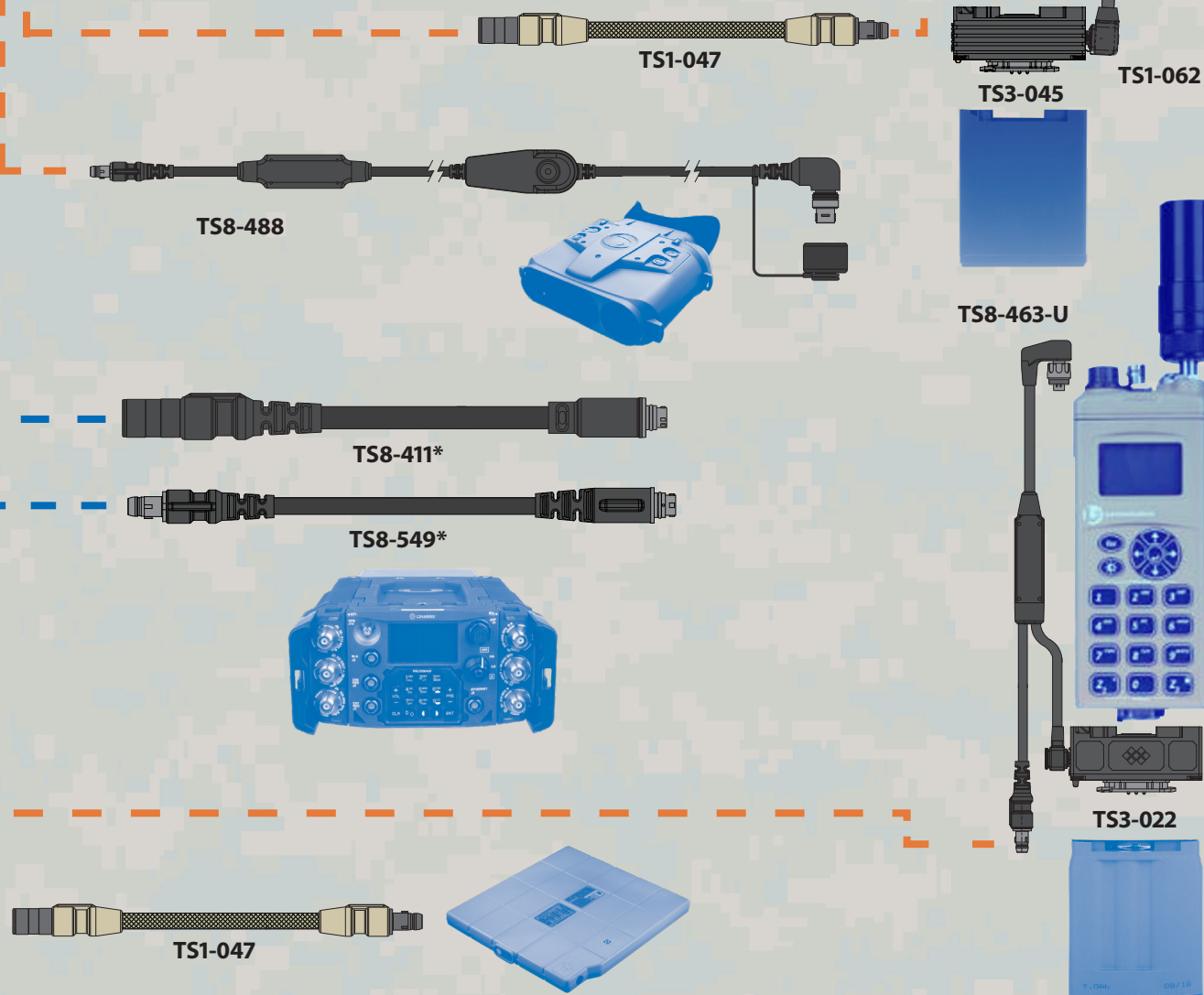
### TS2-014 STAR-PAN NG Hub, 4/4 Configuration Diagram

#### STAR-PAN NG TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

STAR-PAN NG Component Description	Part Number
STAR-PAN NG General-Purpose Extension Cable	TS1-047
AN/PRC-163 Radio Adapter with Red/Black Switch	TS8-480
Cable Assembly, 7 Pin Back-to-back Radio-Battery Adapter	TS1-062
NG Universal Radio Power Booster	TS3-045
USB-C to Mighty Mouse Plug, Juggernaut OPRTR Case	TS1-020
AN/PRC-117G PAN Port Radio Cable	808-088*
AN/PRC-161 Radio Side Connector	TS8-482
AN/PRC-167 Multi-Function I/O (MFI) Cable Plug	TS8-411*
AN/PRC-167 Multi-Function I/O (MFI) Cable Receptacle	TS8-549*
180 Watt AC/DC Power Adapter Cable Assembly	TS3-035
TacROVER-E SIR 2.5 Cable ("U" Bend)	TS8-463-U*
Universal Radio Power Booster	TS3-022*
IM Compact Cable, Right-Angle Overmold with Switch	TS8-488*

\*Compatible with STAR-PAN+ and NG systems

#### HUBS AND ACCESSORIES





## Hubs and Accessories

### STAR-PAN™ NG Capabilities Overview

#### FUNCTIONAL DESCRIPTION

- Functions as a USB 2.0 hub with integrated power management for all connected devices.
- Integrated host running Mission Manager OS.
- Provides power and data communication between connected devices.
- Power monitoring for every port.

#### UNIVERSAL POWER PORT (UPP)

- Unified power input power provides simplicity and versatility.
- On the fly switching between numerous modes of operation, including traditional “Battery Port” and “Radio Port” modes.
- 10A capable VBAT input and output current allows increased system power envelope.

#### EUD PORT

- 10A capable VBAT input and output current allows for system daisy chaining.
- Host swap allows EUD port to be host or device, the default is device.
- USB-C PD charging supported profiles:
  - 5V, 9V @ 3A
  - 12V, 15V @ 3A (with suitable input voltage)
  - 20V @ 3A (with suitable input voltage)
  - 5V – 11V @ 3A PPS

#### PAN PORTS

- Up to 5A VBAT, 3A VBUS output.
- Full power monitoring on all outputs.
- USB 2.0 data connectivity.

#### MISSION MANAGER

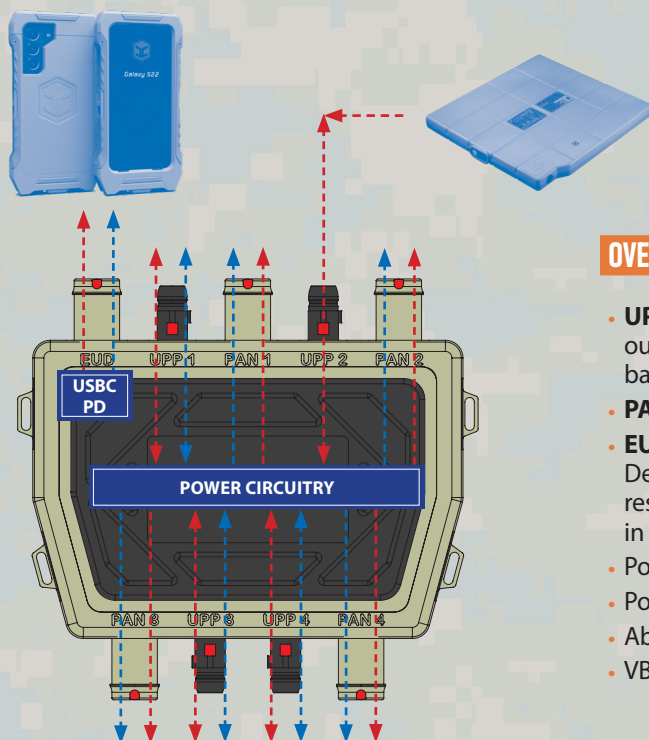
- Integrated host running Mission Manager OS.
- Quad core ARM Cortex-A53 operating @ 1.3GHz
- 4GB RAM
- 64GB eMMC storage
- USB host swap to allow external EUD to act as the USB host.

# BATTLE-TESTED STAR-PAN™ NG



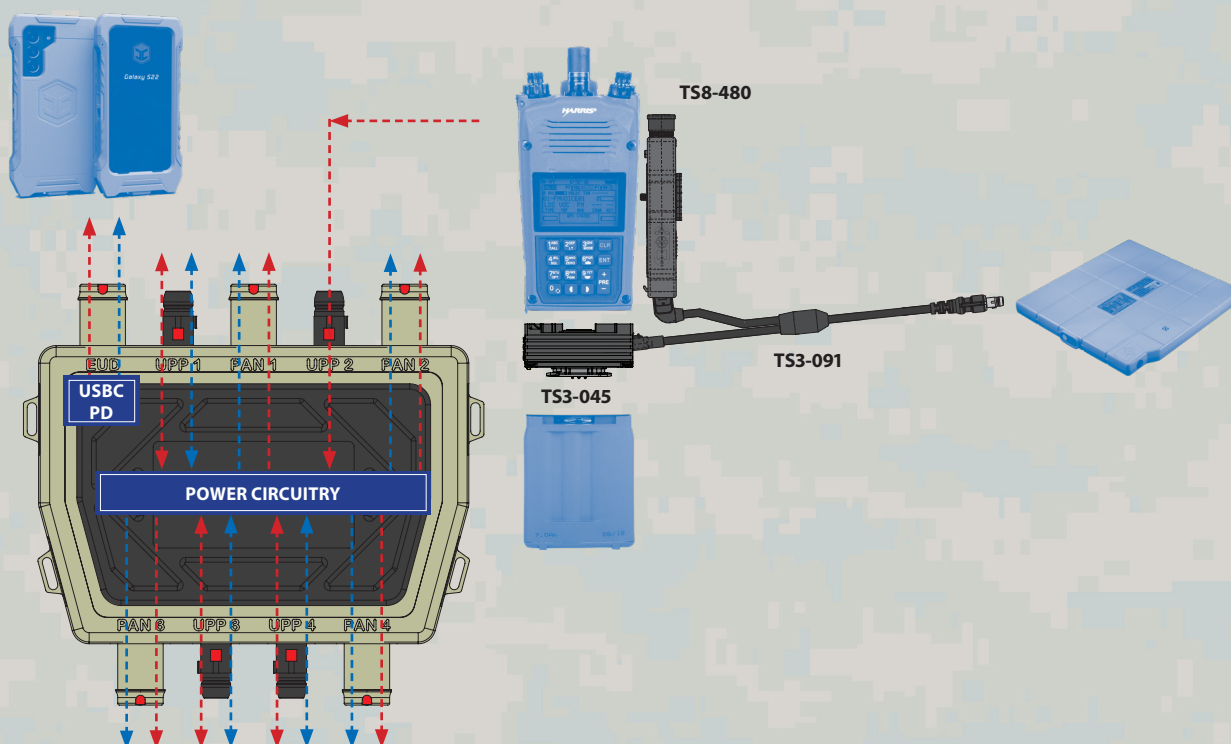
## Hubs and Accessories STAR-PAN™ NG Power Architecture

### HUBS AND ACCESSORIES



#### OVERVIEW

- **UPP** – Defaults as a power input but can change to power output via SPOC. Able to connect AC/DC power, soldier batteries, and radio side adapters.
- **PAN** – One directional on both **VBATT** and **VBUS** power
- **EUD** – Advanced host port mode enabling USB- C Power Delivering charge profiles of 5, 9, 12, 15 and 20v @ 3 amps respectively . This removes the need for previous bumps in the EUD cables
- Power input level max – 360 watts
- Power output max – 200 watts
- Able to input and output up to 10 amps of current
- VBATT power able to flow from Radio to UPP port



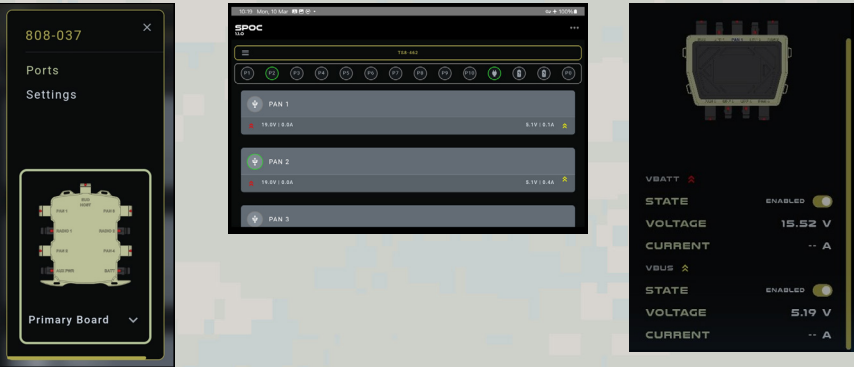


Hubs and Accessories  
STAR-PAN Ops Control Overview (SPOC)

HUBS AND ACCESSORIES

Cross platform application for STAR-PAN system control of data and power distribution

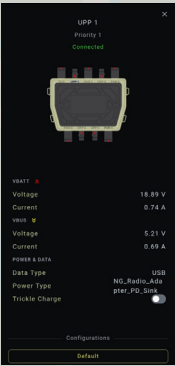
SPOC: STAR-PAN OPS CONTROL



PLATFORMS	
Android	Samsung S9 TE Android 8 Samsung S20 TE Android 10 / 11 Samsung S23 TE Android 13
Windows	Windows 10 / 11 Stand Alone application
Docker	Arm64 (64bit) ArmV7 (32bit)
Linux	Red Hat Enterprise Linux 9.4

PORT CONTROL UPP

Universal Power Ports will default to input and SMBus for battery connection.  
The UPP VBATT and VBus lines can change to output and the data lines to USB based on what is connected.

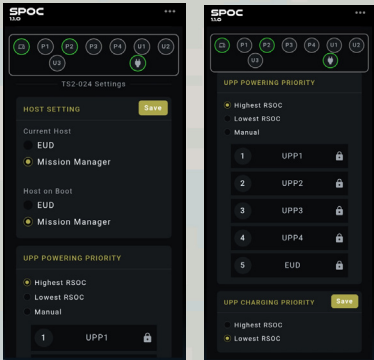


SPOC UI ANDROID

Slide-Out Menu offers quick availability of Hub information regarding firmware, temperature, and port availability as well as quick navigation to other pages within the SPOC application.

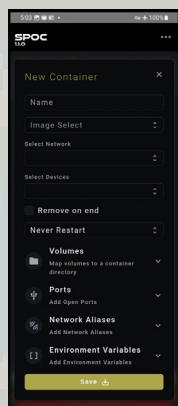


Host Settings are displayed when connected to a hub with an embedded Mission Manager

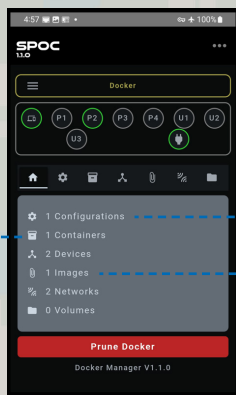


## Hubs and Accessories STAR-PAN Ops Control Overview

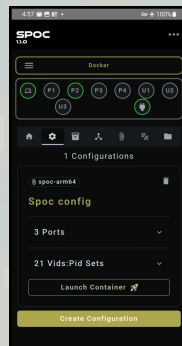
### SPOC UI ANDROID - DOCKER



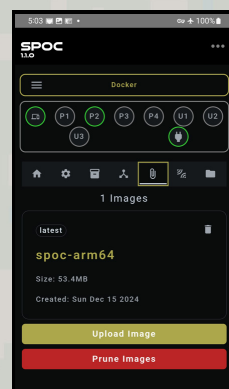
**Containers**  
Give access to start/stop  
the container



**Docker home page**



**Configuration**  
The user have access to all the  
docker commands, access the ports



**Images**  
Manage all your dockers images

### STAR-PAN MISSION MANAGER

Mission manager provides a compute and networking capability to the tactical edge.  
Third party developers can create docker applications to depoly on Mission Manager, which enables:

#### Edge Compute

- Docker support enables third party software integration
- Mission Manager platform enables multi-drone UxV control
- Video streaming and compression solutions
- TAK server hosting enables data federation

#### Edge Networking

- Replaces verbiage for edge networking
- Layer 2 forwarding
- Network adapter management



# STAR-PAN™ X BASE STATION



## Ten-port power/data hub with MISSION MANAGER

Optimized for vehicle, helicopter, or vessel mounting, STAR-PAN X Base Station enhances soldier situational awareness with real-time TAK Server access to Battlefield Management System data, while at the same time charging soldier system batteries. STAR-PAN X Base Station incorporates an embedded MISSION MANAGER with upgraded processing power. STAR-PAN X Base Station uses the same NATO standard interconnect interface as soldier-worn STAR-PAN systems.

### SPECIFICATIONS

#### KEY FEATURES/BENEFITS

- Provide Battery Power and VBUS power to up to 10 USB peripheral devices simultaneously
- Heat-efficient electronics packaging for optimal efficiency and extended battery life
- Auxiliary power ports for long-length missions or hot swappable BB2590 batteries
- SMBUS, USB2.0 (Full and High Speed), USB1.1 compatible interface, USB 3.0 Super Speed, Gigabit Ethernet, HDMI output, 5Gb/s support
- Standard Personal Area Network (PAN) pin configuration, smart battery interface, Direct Current Power Source (DCPS)
- Overvoltage, overcurrent, short circuit protection and SMBus capability
- SPOC compatible
- Environmentally sealed

- PAN ports for up to ten devices
- HDMI and Ethernet ports
- Integrated MISSION MANAGER functionality
- Two USB 3.0 ports
- 5Gb/s data transmission
- Two battery and one auxiliary power source inputs
- Glenair power port management
- Smart battery charging from auxiliary power
- Up to 5A battery power per port, 20A system total
- Up to 2A 5 Volt VBUS power per port, 10A across all ports
- Precision-machined construction, integrated connectors

# BATTLE-TESTED STAR-PAN™ X Base Station



## Hubs and Accessories

### TS8-462 10-Port Smart Power and Data Base Station Hub

## HUBS AND ACCESSORIES

#### HOW TO ORDER

##### Part Number:

**TS8-462**

##### Connectorized Hub

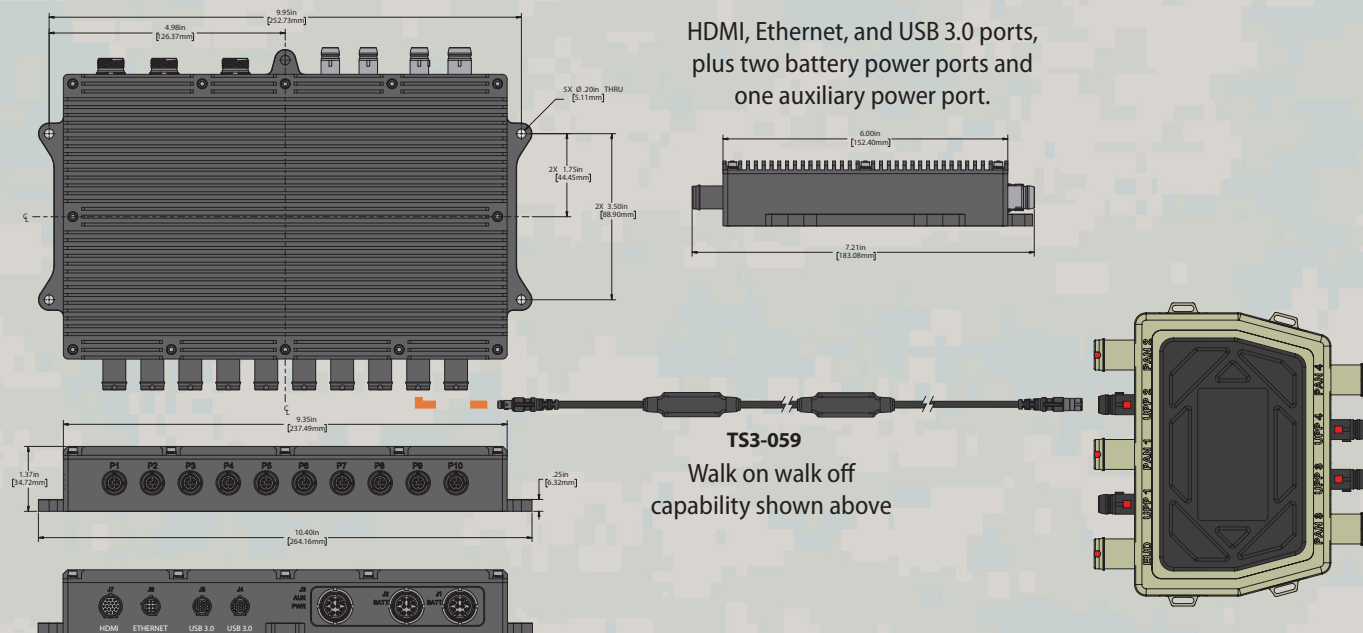
STAR-PAN X Base Station 10-port power/data hub

#### PERFORMANCE SPECIFICATIONS

Operating Conditions	
Operating Temperature	-40°C to +60°C
Storage Temperature	-40°C to +80°C
Operation Altitude	40,000 ft.
Pan 1-10	
Battery Voltage	10.0V to 20.0V
Battery Supply Current	5A Maximum per individual port
Total VBATT Output Current	20A
Auxiliary Power Supply Port	
Auxiliary Voltage Source	10V to 36V
Auxiliary Input Current	20A maximum
Battery Port	
Battery Input Voltage	20V to 36V, 28V typical
Battery Input Current	10A maximum
Battery Charge Current	5A maximum

#### BASE STATION X CABLE PART NUMBERS

BB2590 Charging Adapter for STAR-PAN X	<b>TS8-554</b>
BB2590* Battery Cable Adapter	<b>TS8-496</b>
BB2590 Battery Cable Adapter With Enclosed EMI Box	<b>TS8-496-1</b>
AC Pwr Supply Cable Adapter	<b>TS8-497</b>
USB 3.0 Cable Assembly	<b>TS1-039</b>
Cat 5e Ethernet Cable	<b>TS1-040</b>
HDMI Type A Cable Assembly	<b>TS1-041</b>
USB Flash drive	<b>TS3-001</b>
General-Purpose Extension Cable	<b>808-047</b>
BATT Port Adapter Cable	<b>TS1-100</b>
Plug-to-AUX Port Adapter Cable	<b>TS1-090</b>
Plug-to-BATT Port Adapter Cable	<b>TS1-092</b>
TS2-030 to STAR-PAN X Cable Assembly	<b>TS1-121</b>



# BATTLE-TESTED STAR-PAN™ X Base Station



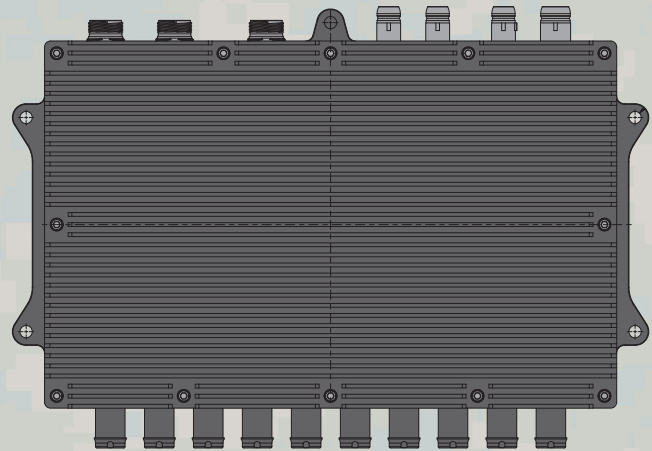
## Hubs and Accessories

### TS8-462 10-Port Smart Power and Data Base Station Hub

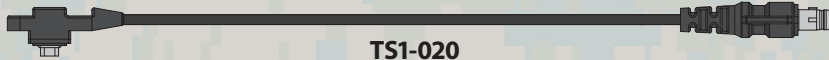
#### HUBS AND ACCESSORIES

#### OVERVIEW

STAR-PAN X 10-Port Base Station is a multi-port data and power hub for platform-based CSISR integration. STAR-PAN X 10-port Base Station provides the same NATO standard interconnect interface as soldier-worn STAR-PAN systems, making it completely interoperable with the existing portfolio of cables and adapters, and allowing easy soldier interconnection to the platform's data and power network. The unit incorporates an embedded MISSION MANAGER with upgraded processing power. STAR-PAN X has various industry standard interfaces and the ability to run on external battery power. This gives it an ad hoc Walk on/Walk off integration capability without the need to dramatically impact or change the platform's data or power architecture. Dismounted soldiers can connect to the vehicle power and data accessing on-board radios and sensors via a single cable connection.



TS1-009



TS1-020



TS8-482



808-080

TS1-062



TS3-045



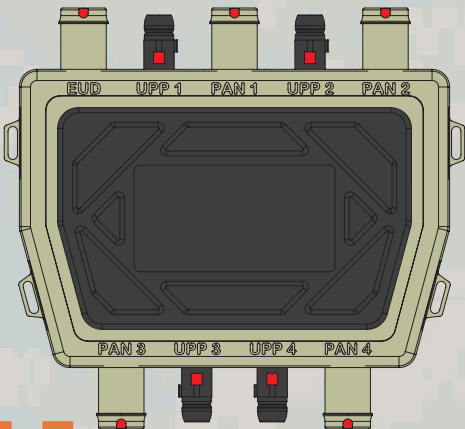
808-088

# BATTLE-TESTED STAR-PAN™ X Base Station



Hubs and Accessories  
TS8-462 10-Port Smart Power and Data Base Station Hub

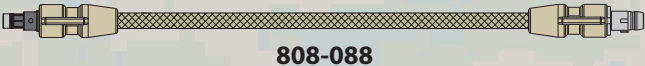
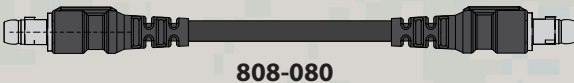
Power — — —  
Data — — —  
Data + Power — — —



## STAR-PAN NG TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

STAR-PAN NG Component Description	Part Number
AN/PRC-163 Radio Adapter with Red/Black Switch	TS8-480
Cable Assembly, 7 Pin Back-to-back Radio-Battery Adapter	TS1-062
NG Universal Radio Power Booster	TS3-045
USB-C to Mighty Mouse Plug, Juggernaut OPRTR Case	TS1-020
AN/PRC-117G PAN Port Radio Cable	808-088
AN/PRC-161 Radio Side Connector	TS8-482
Radio Adapter Cable	808-080
USB-C Charge Adapter	TS1-009

HUBS AND ACCESSORIES



## TS8-462 APPLICATIONS



Aircraft



Vehicle



Watercraft

# BATTLE-TESTED STAR-PAN™ NG

## General-purpose cables



### STAR-PAN RADIO CABLES AND ADAPTERS

Part No.	Description	Page No.
<a href="#">TS1-047</a>	Receptacle Back-to-Back Cable Assembly	27
<a href="#">TS1-070</a>	Plug Extension Cable with E-marker	28
<a href="#">TS1-072</a>	Receptacle Extension Cable with E-marker	29
<a href="#">TS3-043</a>	NG Hub Split Cable	30
<a href="#">TS3-044</a>	NG Hub Split Cable	21
<a href="#">TS3-059</a>	Cable Assembly, NG Pan to Upp Cable	23
<a href="#">TS3-048</a>	NG PAN to UPP Cable Adapter	33



General-Purpose Cables  
TS1-047 Receptacle Back-to-Back Cable Assembly



**SPECIFICATIONS**

- Olive drab Nomex® braided, or black or tan Santoprene jacketed cable
- Mighty Mouse 807 (NATO standard) plug and receptacle connectors
- This cable is programmed with an identifier PID
- Weight: 41g
- Export classification: EAR99

**HOW TO ORDER**

<b>Sample Part Number:</b>		<b>TS1-047</b>	<b>-X</b>	<b>-XX</b>
Adapter Series	6P7 Receptacle back-to-back Cable Assembly			
Cable Type	<b>-SB</b> For Black Santoprene Jacket <b>-ST</b> For Tan Santoprene Jacket <b>Omit For Default Olive Drab Nomex Braid</b>			
Length Designator	In Inches. <b>Omit for Default Length of 24.00"</b>			

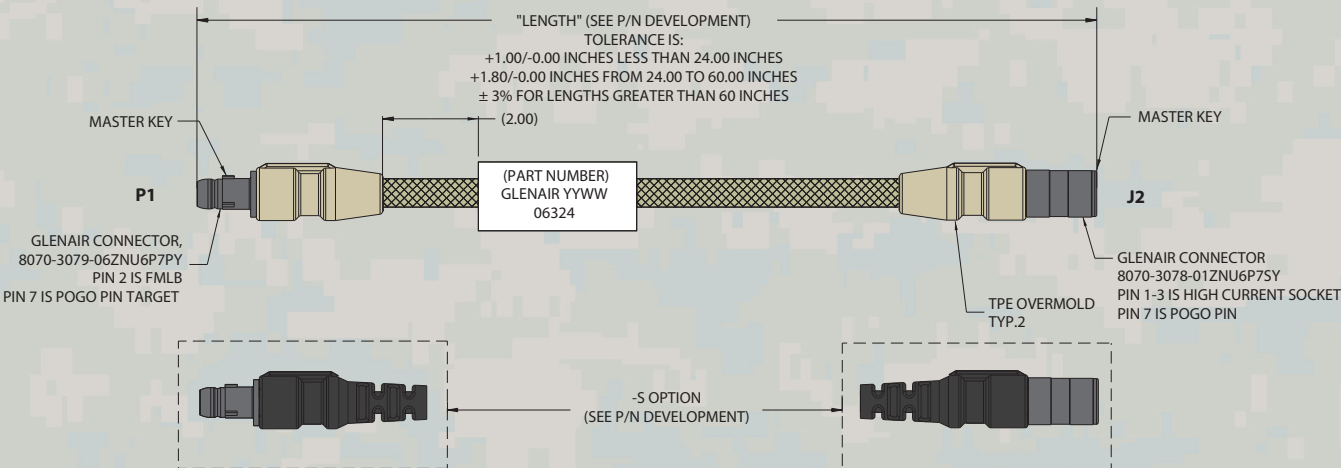
GENERAL-PURPOSE CABLES



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:

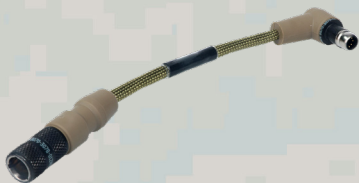
**EUD  
UPP  
PAN**





General-Purpose Cables  
TS1-070 Plug Extension Cable

GENERAL-PURPOSE CABLES



SPECIFICATIONS

- Olive drab Nomex® braided cable
- Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) right-angle plug and receptacle connectors
- Weight: 22g
- Export classification: EAR99

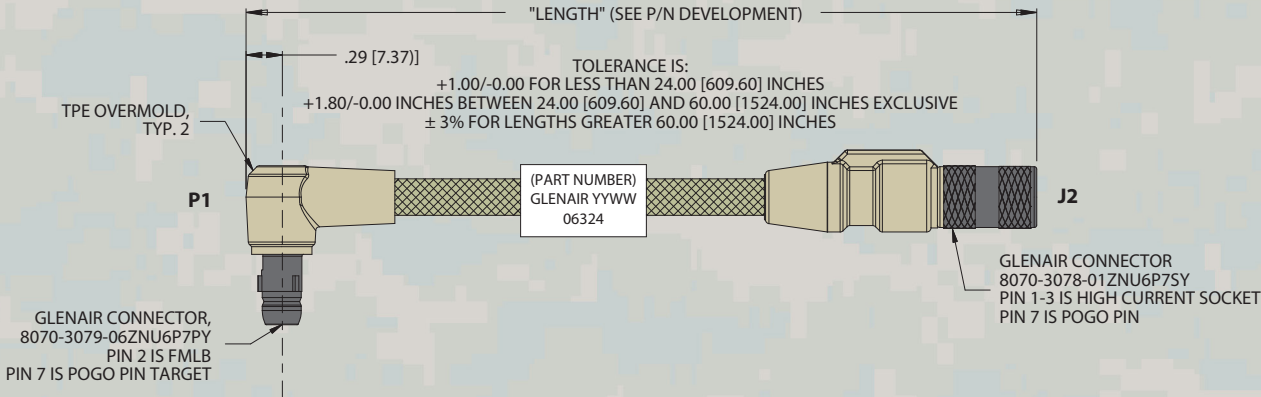
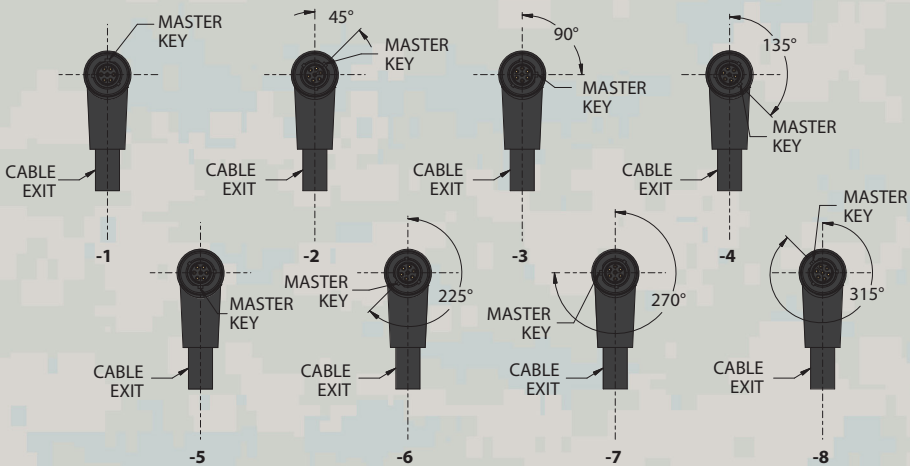
HOW TO ORDER

<b>Sample Part Number:</b>		<b>TS1-070</b>	<b>-X</b>	<b>-YY</b>
Cable Series	Cable Assembly, RA 6P7 Plug Extension Cable			
Master Key Orientation	Omit for -3 90° Default			
Overall Length	In Inches. Omit for Default Length of 6.00"			



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**EUD**  
**UPP**  
**PAN**



# BATTLE-TESTED STAR-PAN™ NG



## General-Purpose Cables TS1-072 Receptacle Extension Cable



### SPECIFICATIONS

- Olive drab Nomex® braided cable
- TPE Overmolded, ergonomic connector strain reliefs, desert tan
- Mighty Mouse 807 (NATO standard) plug and right-angle receptacle connectors
- Weight: 22g
- Export classification: EAR99

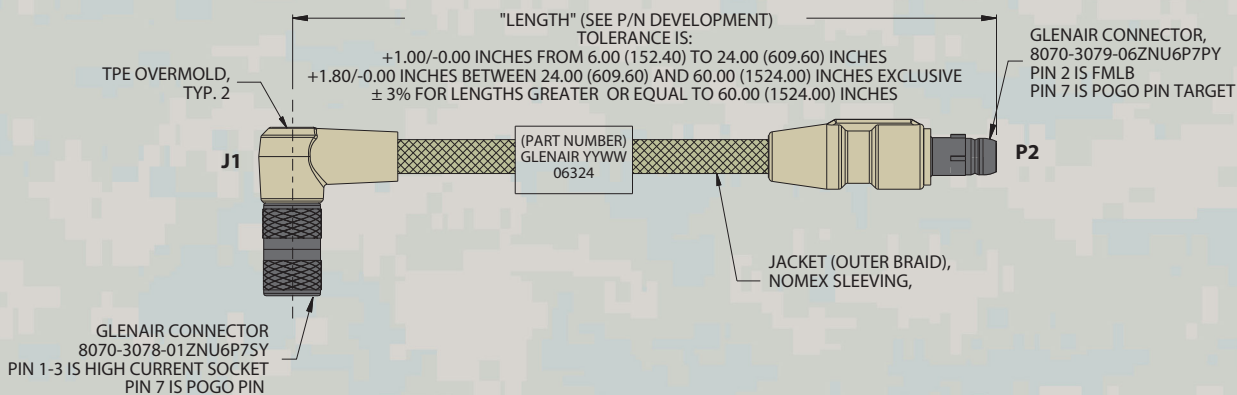
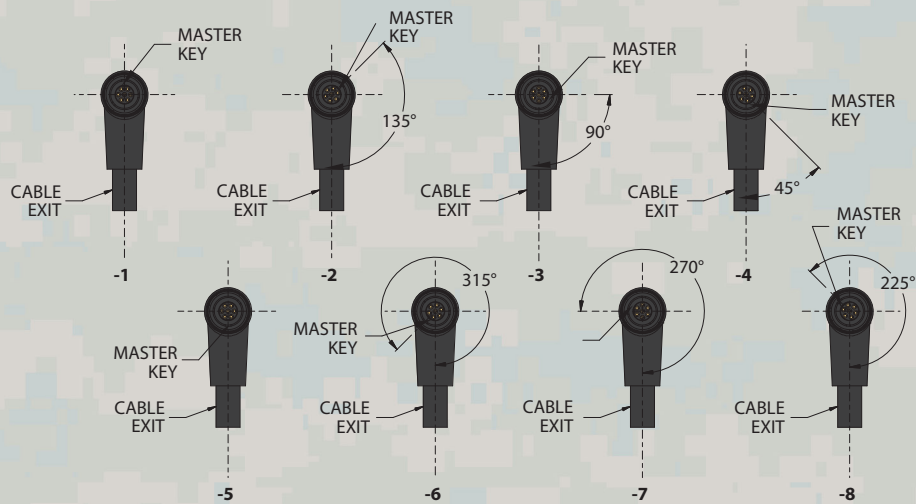
### HOW TO ORDER

Sample Part Number:		TS1-072	-X	-YY
Cable Series	Cable Assembly, RA 6P7 Receptacle Extension Cable			
Master Key Orientation	Omit for -3 90° Default			
Overall Length	In Inches (minimum 6.00") Omit for Default Length of 6.00"			



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**EUD  
UPP  
PAN**



BATTLE-TESTED

# STAR-PAN™ NG



## General-Purpose Cables

### TS3-043 NG Hub Split Cable

GENERAL-PURPOSE CABLES



#### SPECIFICATIONS

- Black jacketed and overmolded cable
- Mighty Mouse 807 (NATO standard) plug and two receptacle connectors
- Export classification: EAR99

#### HOW TO ORDER

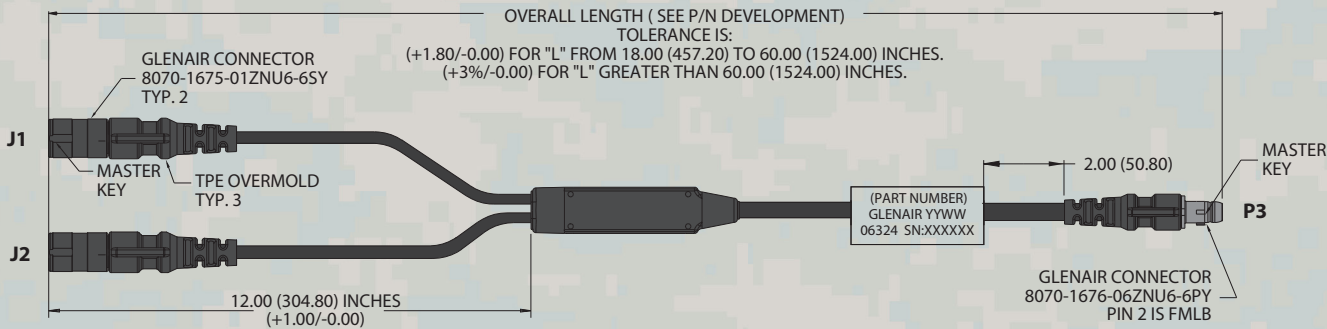
Sample Part Number: **TS3-043**

Cable Series	NG Hub Split Cable
--------------	--------------------



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**PAN**



BATTLE-TESTED  
**STAR-PAN™ NG**



General-Purpose Cables  
TS3-044 NG Hub Split Cable

**SPECIFICATIONS**

- Black jacketed and overmolded cable
- Mighty Mouse 807 (NATO standard) plug and plug/receptacle connectors
- Export classification: EAR99

**HOW TO ORDER**

**Sample Part Number:**

**TS3-044**

Cable Series

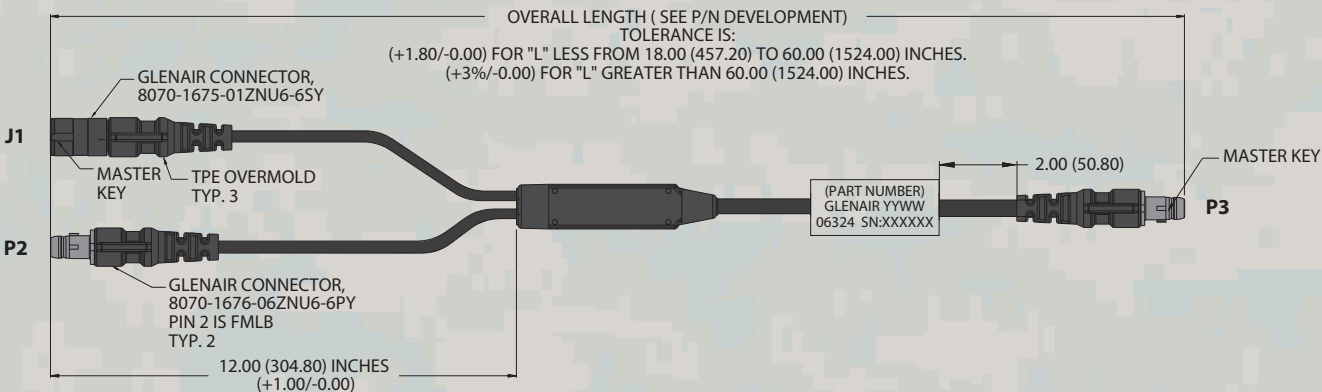
NG Hub Split Cable

GENERAL-PURPOSE CABLES



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**PAN**



BATTLE-TESTED  
STAR-PAN™ NG



General-Purpose Cables  
TS3-059 Cable Assembly, NG PAN to UPP Cable

GENERAL-PURPOSE CABLES



SPECIFICATIONS

- Black jacketed and overmolded cable
- Mighty Mouse 807 (NATO standard) plug and receptacle connectors
- This cable is programmed with an identifier PID.
- Emarker has rd resistor of 5.1 K ohms.
- Weight: 181g
- Export classification: EAR99

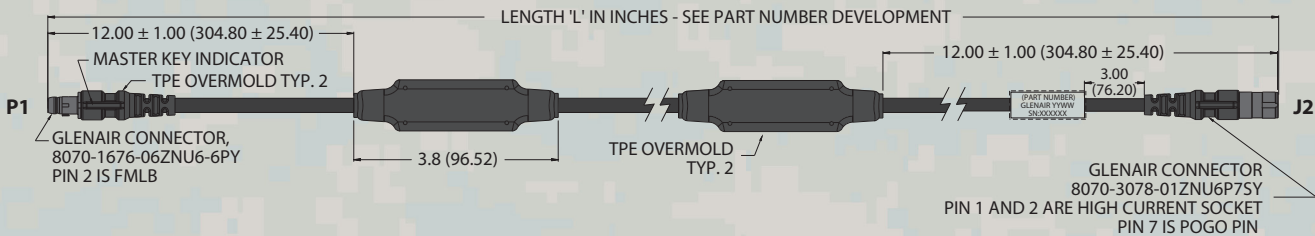
HOW TO ORDER

Sample Part Number:		TS3-059	-XX
Cable Series	Cable Assembly, NG Pan to UPP Cable		
Overall Length 'L'	In Inches (minimum 36.00")		
	Omit for Default Length of 72.00"		
	Tolerances: L < 60.00: +1.80/-0.00 L >= 60.00: +3%/-0.00		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
PAN



BATTLE-TESTED

# STAR-PAN™ NG



## General-Purpose Cables

### TS3-048 NG PAN to UPP Cable Adapter



#### SPECIFICATIONS

- Black jacketed and overmolded cable
- Mighty Mouse 807 (NATO standard) plug connectors
- This cable is programmed with an identifier PID.
- Weight: 69g
- Export classification: EAR99

#### HOW TO ORDER

Sample Part Number:

TS3-048

Adapter Series

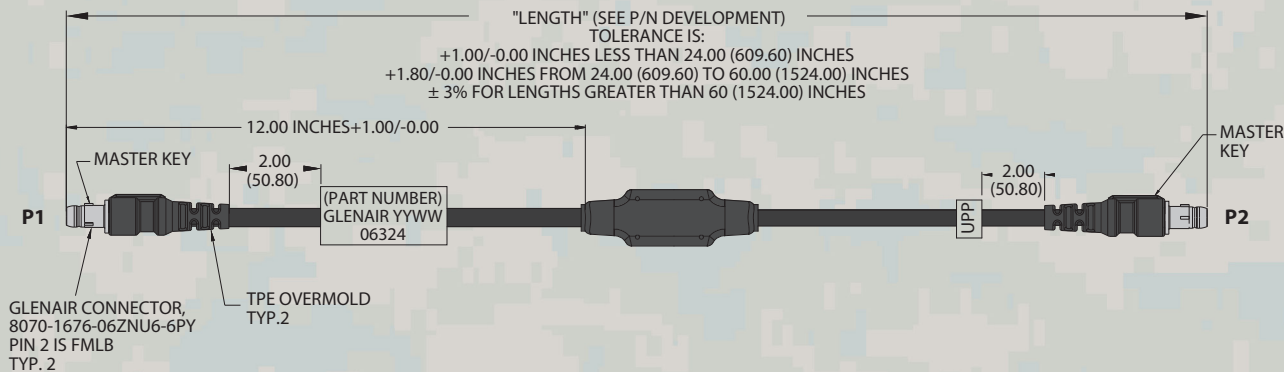
Pan to UPP Cable Assembly

GENERAL-PURPOSE CABLES



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**PAN**



# BATTLE-TESTED STAR-PAN™ NG

## Radio cables and adapters



### STAR-PAN RADIO CABLES AND ADAPTERS

Part No.	Description	Page No.
<b>TS8-480</b>	AN/PRC-163 Radio Adapter with Red/Black Switch	35
<b>TS8-481</b>	AN/PRC-152A Radio Side Adapter	36
<b>TS8-482</b>	AN/PRC-161 Radio Side Connector	37
<b>TS8-483</b>	AN/PRC-148 Radio Side Connector	38



## Radio Cables and Adapters

### TS8-480 AN/PRC-163 Radio Adapter with Red/Black Switch

#### SPECIFICATIONS

- Rugged aluminum construction, tactical black finish
- For interconnection of referenced radio type to STAR-PAN power / data hubs
- Mighty Mouse 807 (NATO standard) receptacle, MouseBite, and AN/PRC-163 radio connectors
- Weight: 125g
- Export classification: 3A611.x

#### HOW TO ORDER

Sample Part Number:

TS8-480

Adapter Series

Connector Assembly, Red/Black, 38 Position Side Hat with Mechanical Switch (AN/PRC-163 Radio)

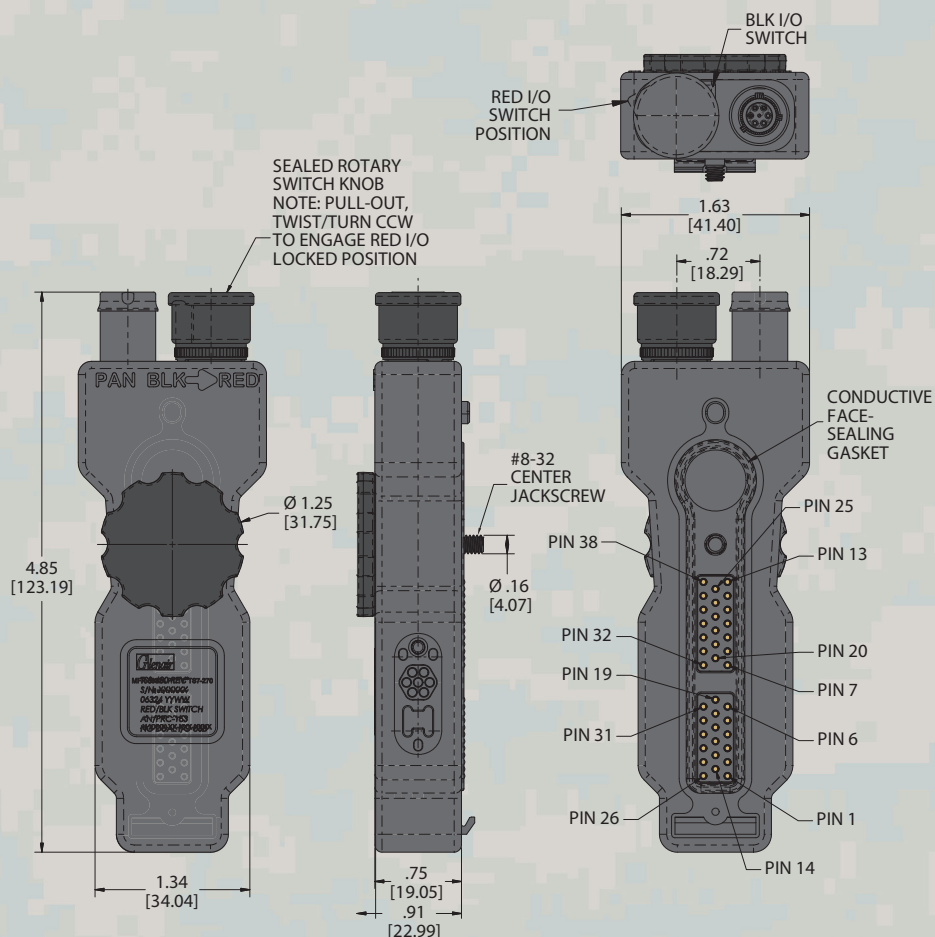


QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:

UPP

RADIO POWER BOOST



## Radio Cables and Adapters

### TS8-481 AN/PRC-152A Radio Side Adapter

#### SPECIFICATIONS

- Rugged aluminum construction, tactical black finish
- Where applicable, soldered electrical connections shall use SN63PB37 solder.
- Mighty Mouse 807 (NATO standard) receptacle, MouseBite, and AN/PRC-152A radio connectors
- Weight: 75g
- Export classification: 3A611.x

#### HOW TO ORDER

Sample Part Number:

**TS8-481**

Adapter Series

AN/PRC-152A Radio Side Adapter, NG

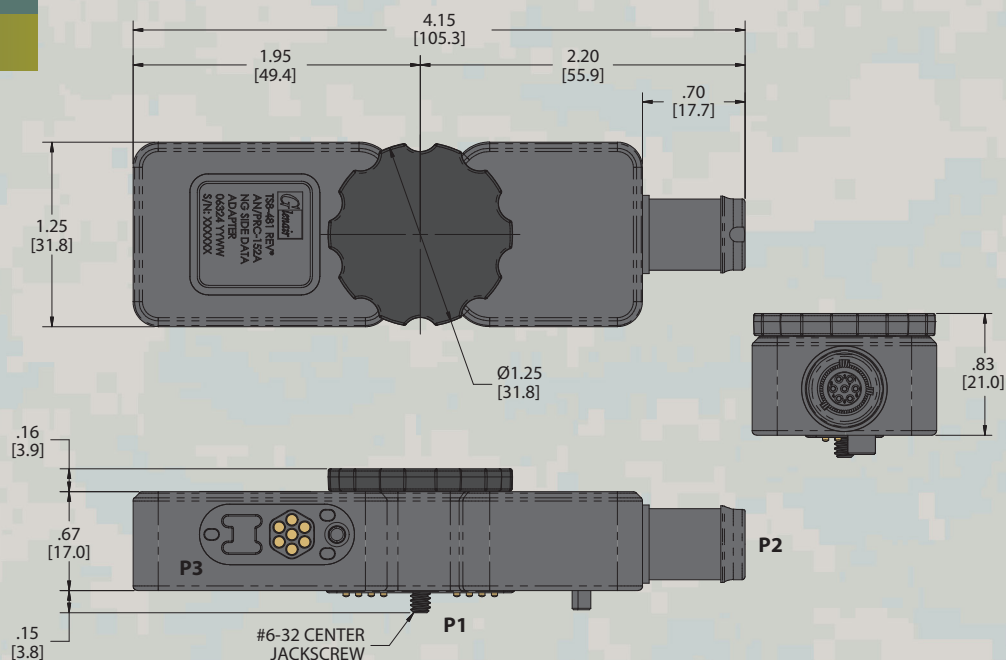


QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:

**UPP**

**RADIO POWER BOOST**





Radio Cables and Adapters  
TS8-482 AN/PRC-161 Radio Side Connector



**SPECIFICATIONS**

- Rugged aluminum construction, tactical black finish
- Refer to connector drawing for a list of all intermateable connectors.
- Where applicable, soldered electrical connections shall be SN 63PB37 solder.
- Mighty Mouse 807 (NATO standard) receptacle, MouseBite, and AN/PRC-161 radio connectors
- Weight: 75g
- Export classification: 3A611.x

**HOW TO ORDER**

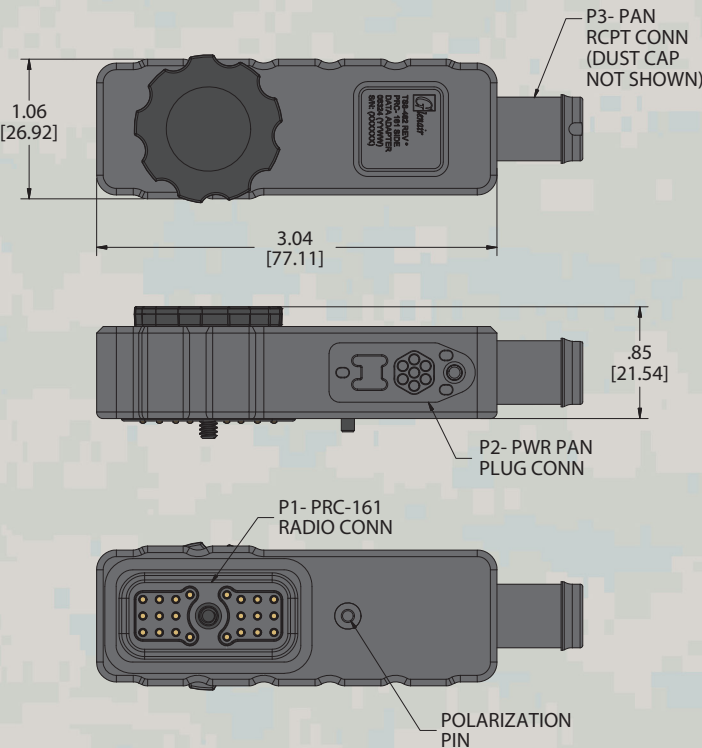
<b>Sample Part Number:</b>		<b>TS8-482</b>
Radio Series		AN/PRC-161 Radio Side Connector



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**UPP**

**RADIO POWER BOOST**





Radio Cables and Adapters  
TS8-483 AN/PRC-148 Radio Side Connector

RADIO CABLES AND ADAPTERS

**SPECIFICATIONS**

- Rugged aluminum construction, tactical black finish
- Where applicable, soldered electrical connections shall use SN63PB37 solder.
- Mighty Mouse 807 (NATO standard) receptacle, MouseBite, and AN/PRC-148 radio connectors
- Weight: 75g
- Export classification: 3A611.x

**HOW TO ORDER**

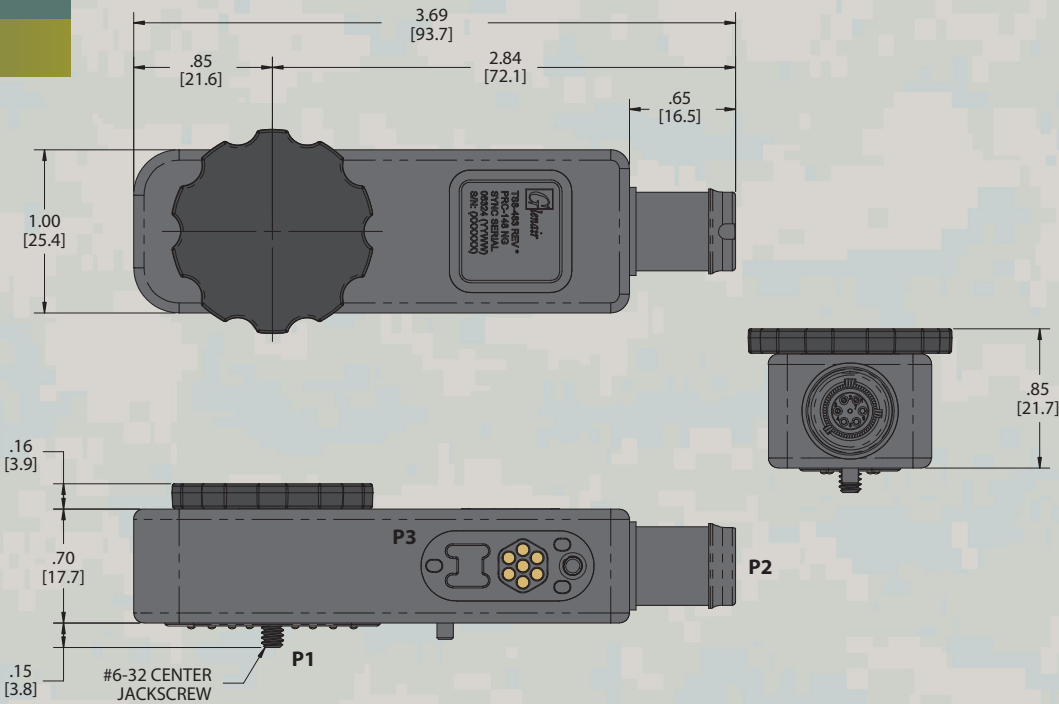
<b>Sample Part Number:</b>	<b>TS8-483</b>
Radio Series	AN/PRC-148 Radio Sync Serial, NG



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**UPP**

**RADIO POWER BOOST**



# BATTLE-TESTED STAR-PAN™ NG

## Power cables and battery adapters

### STAR-PAN POWER CABLES AND BATTERY ADAPTERS

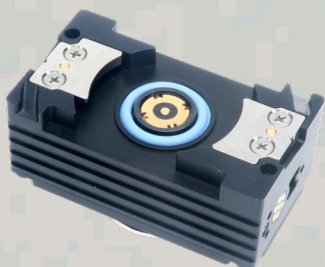
Part No.	Description	Page No.
<b>TS3-045</b>	NG Universal Radio Power Booster	40
<b>TS1-062</b>	Cable Assembly, 7 Pin Back-to-back Radio-Battery Adapter	41
<b>TS1-126</b>	NG MouseBite-to-Mousebite Cable	42
<b>TS1-107</b>	NG MouseBite Side Connector to Mighty Mouse 6-6 Plug Cable	43
<b>TS2-018</b>	BB2590 Battery Adapter, EMI Box / 5V Regulator Options	44
<b>TS3-091</b>	Mighty Mouse 6-6 Plug to 2 MouseBite connectors	45
<b>TS2-028</b>	NG Universal Battery Eliminator	46
<b>TS3-035</b>	180 Watt AC/DC Power Adapter	47
<b>TS3-041</b>	Handheld Radio Battery Shoe Adapter	48
<b>TS3-042</b>	Dual Handheld Battery Adapter	49
<b>TS2-031</b>	Power Conditioner, NGH	50
<b>TS1-053</b>	Automotive Aux Power/Cigarette Lighter Adapter Cable (NG Compatible)	51
<b>TS1-054</b>	Mighty Mouse to Battery Clamp Adapter Cable (NG Compatible)	52
<b>TS1-055</b>	Mighty Mouse to NATO Plug Adapter Cable (NG Compatible)	53
<b>TS1-059</b>	24V Cigarette Lighter Cable Assembly	54
<b>TS1-082</b>	UPP to HELLA Cigarette Lighter	55
<b>TS2-017</b>	NG - BB2590 Charging Adapter	56
<b>TS3-022</b>	Universal Radio Power Booster (NG Compatible)	57
<b>TS1-030</b>	Cable for Use with Radio Battery Adapters	58
<b>TS8-473</b>	AN/PRC-163 Dual Power Cable Battery Eliminator (NG Compatible)	59
<b>TS3-060</b>	USB-C PD Downstream Charging Cable (NG Compatible)	60

# BATTLE-TESTED STAR-PAN™ NG



## Power Cables and Battery Adapters TS3-045 NG Universal Radio Power Booster

POWER CABLES AND BATTERY ADAPTERS



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

### SPECIFICATIONS

- Rugged aluminum construction, tactical black finish
- Radio Power Booster enables trickle charging of radio batteries and radio holdup to hub
- Weight: (consult factory)
- Export classification: EAR99
- MouseBite power adapter interface connector, and universal radio / battery interface connectors
- To be used with TS1-062
- Weight: 155g

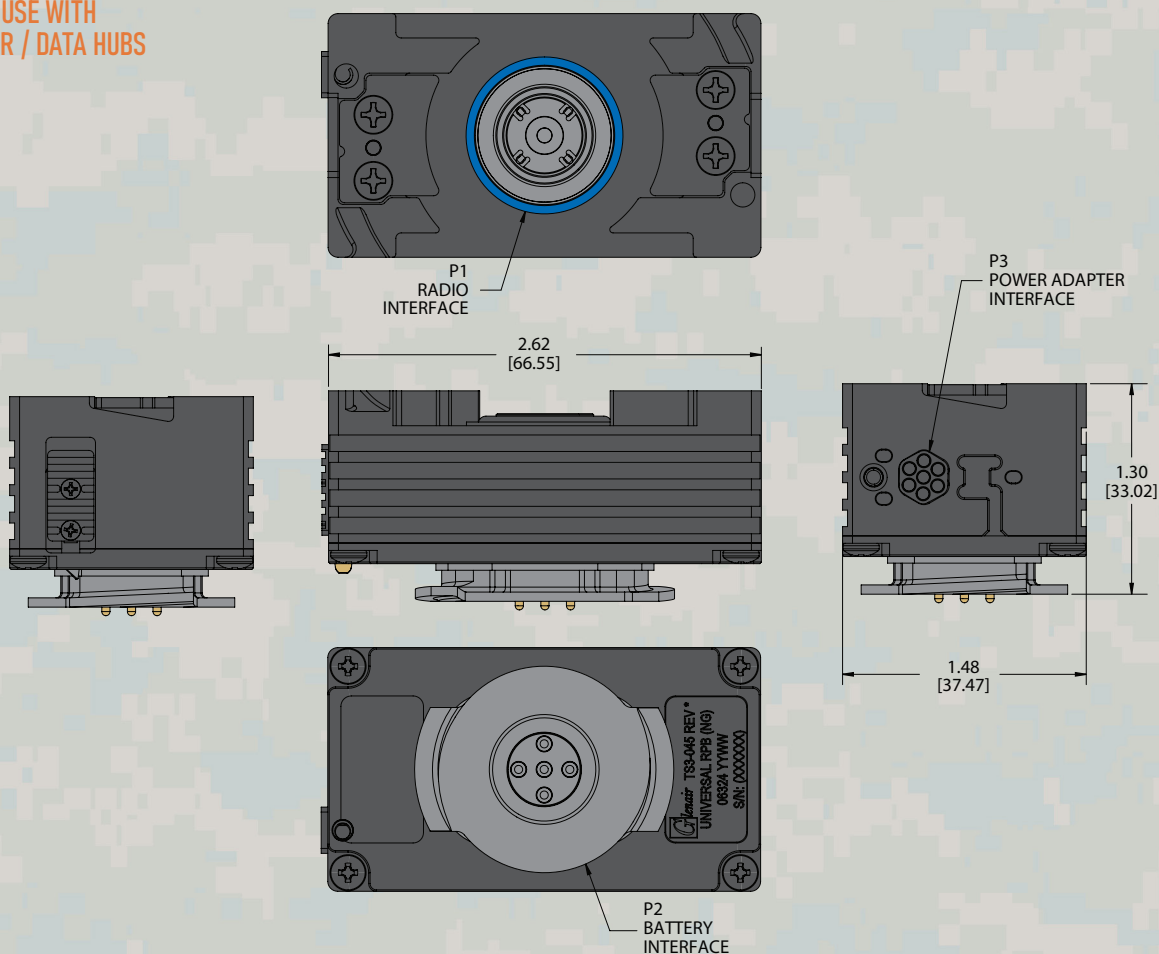
### HOW TO ORDER

Sample Part Number:

TS3-045

Adapter Series

NG Universal Radio Power Booster



BATTLE-TESTED  
**STAR-PAN™ NG**



Power Cables and Battery Adapters  
TS1-062 Cable Assembly, 7 Pin Back-to-back Radio-Battery Adapter



**SPECIFICATIONS**

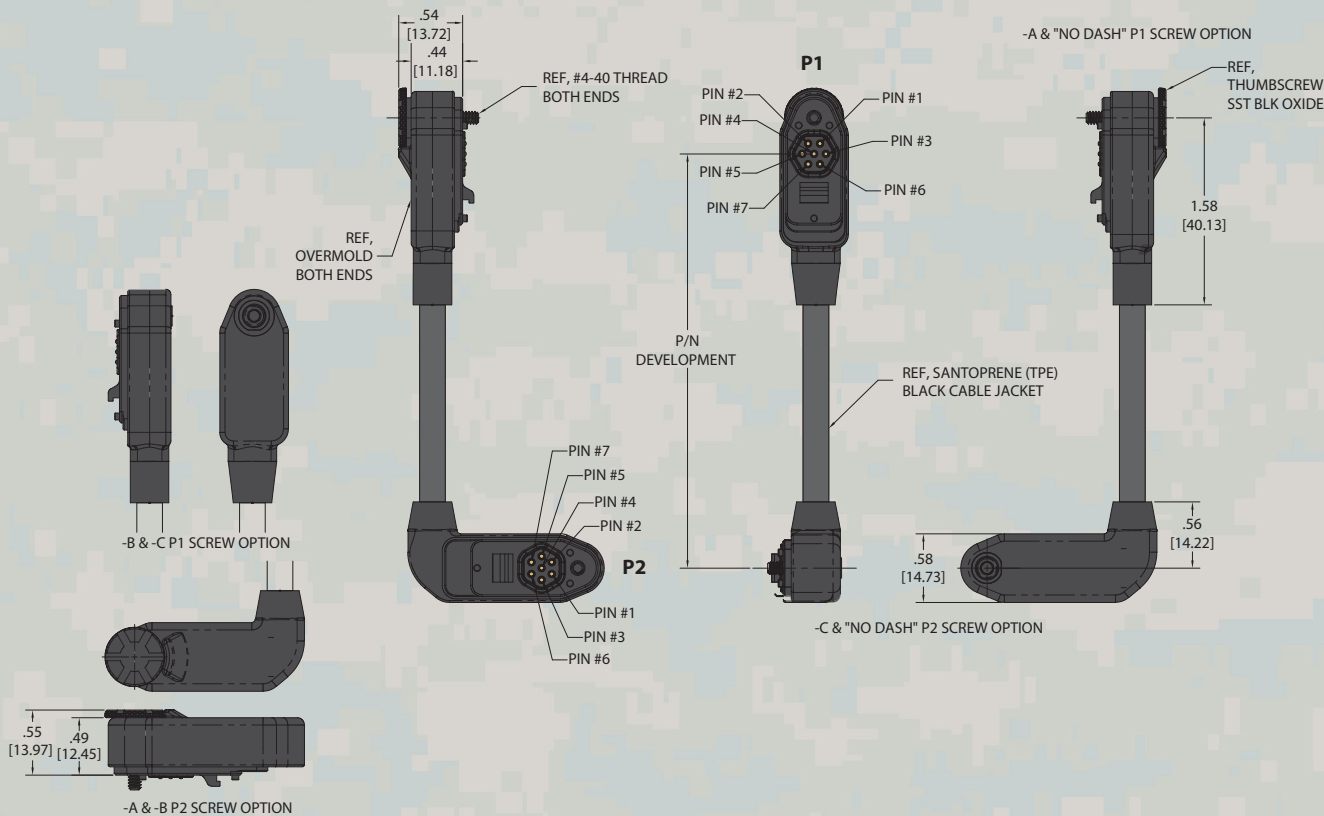
- Rugged aluminum construction, tactical black finish, black overmolded cable
- MouseBite right-angle and straight radio/battery adapter connectors
- To be used with TS3-045 or TS2-028
- Weight: 28g



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

**HOW TO ORDER**

Sample Part Number:		TS1-062	-XX	-X
Cable Series	Back-to-back Radio-Battery Adapter			
Cable Length	Tolerance: Length Less Than 12" = +0.50 / -0.00" Lengths Between 12" to 60" = +2.00/-0.50" <b>Omit for STD length of 3.50"</b>			
Retained Screw Option	-A = Thumbscrew at P1 and Thumbscrew at P2 -B = Socket Head at P1 and Thumbscrew at P2 -C = Socket Head at P1 and Socket Head at P2 <b>Omit for Thumbscrew at P1 and Socket Head at P2</b>			





Power Cables and Battery Adapters  
TS1-126 NG MouseBite-to-Mousebite Cable

POWER CABLES AND BATTERY ADAPTERS



SPECIFICATIONS

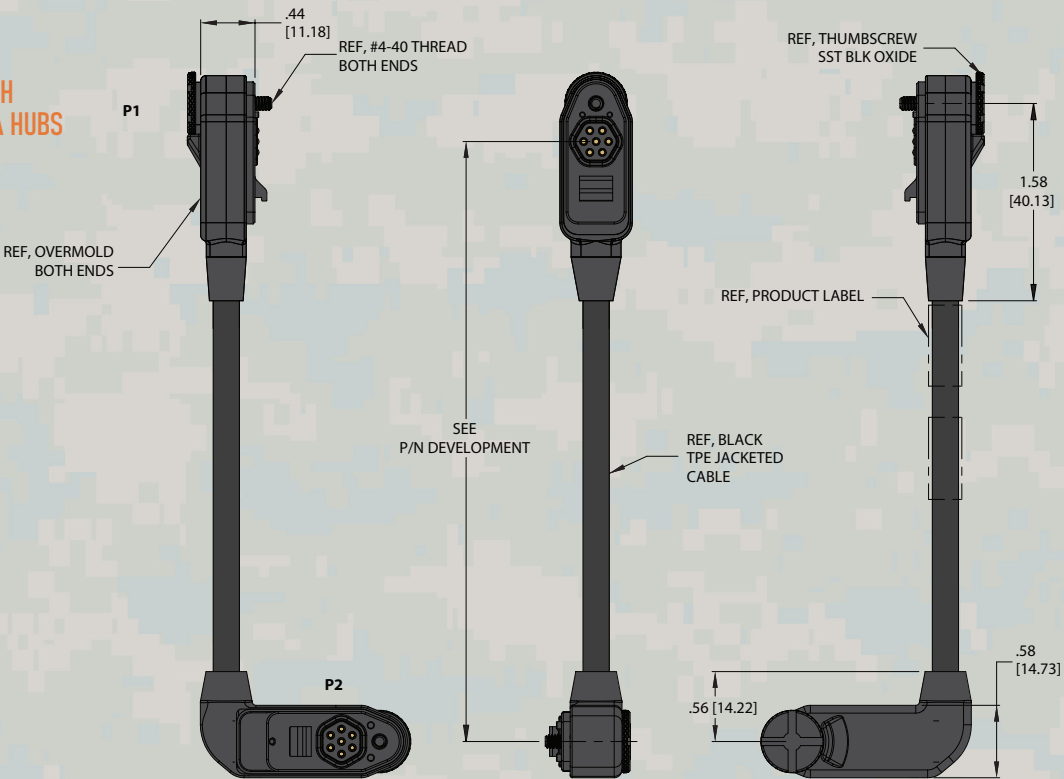
- To be used with TS3-045 and any STAR-PAN Plus side adapter.
- Cable length tolerance:  
Length less than 12" = +0.15/-0.15"  
Length between 12" to 60" = +2.00/-0.50"
- Weight: 33g
- Export classification: EAR99

HOW TO ORDER

Sample Part Number:		TS1-126	-XX	-Y	-YY
Cable Series	NG MouseBite-to-Mousebite Cable				
Cable Length	In Inches Omit for Default Length of 5.75"				
Packaging Option	-N = No Packaging Omit For Default Packaging				
European Conformity	-CE = European Conformity Omit For No Eu Conformity				



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS





Power Cables and Battery Adapters  
TS1-107 NG MouseBite Side Connector to Mighty Mouse 6-6 Plug Cable



**SPECIFICATIONS**

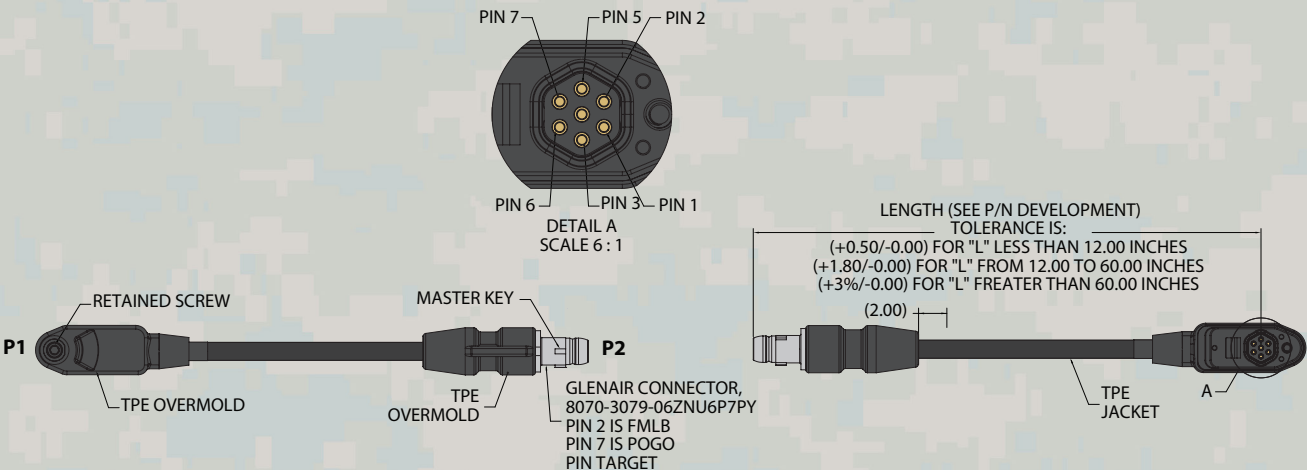
- Black jacketed and overmolded cable
- 100% electrical tested for shorts continuity, and basic circuit functionality
- Mighty Mouse 807 (NATO standard) plug and MouseBite connector
- Weight: 28g
- Export classification: EAR99
- To be used with CWB to TS3-045 or TS2-028

**HOW TO ORDER**

<b>Sample Part Number:</b>		<b>TS1-107</b>	<b>-XX</b>
Cable Series	NG MouseBite Side Connector to Mighty Mouse 6-6 Plug assy.		
Overall Length	In Inches <b>Omit for Default Length of 9.5"</b>		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS





Power Cables and Battery Adapters  
TS2-018 BB2590 Battery Adapter, EMI Box / 5V Regulator Options

POWER CABLES AND BATTERY ADAPTERS



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
UPP

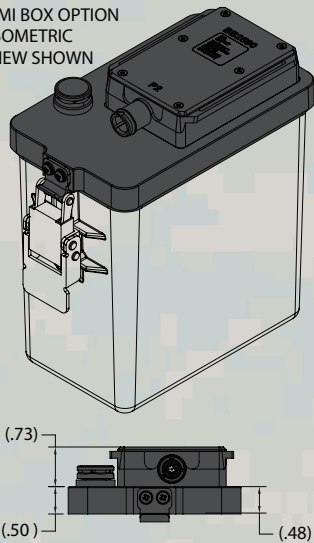
SPECIFICATIONS

- For connection of BB2590 battery to STAR-PAN power / data hubs
- EMI-protective box option and 5V regulator options
- Rugged aluminum construction, tactical black finish
- Mighty Mouse 807 (NATO standard) Power In / Battery connector and BB2590 battery connector
- Weight: 748g
- Export classification: EAR99

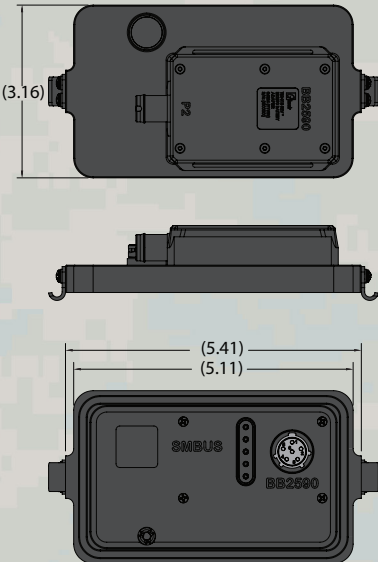
HOW TO ORDER

Sample Part Number:		TS2-018	-1
Adapter Series	BB2590 Battery Adapter		
EMI Box / 5V OUT Options	Omit = standard configuration		
	-1 = BB2590 Adapter - STAR-PAN Standard with EMI box		
	-2 = BB2590 Adapter - STAR-PAN Standard with EMI box and 5V out		
	-3 = BB2590 Adapter - STAR-PAN Standard 5V Out		

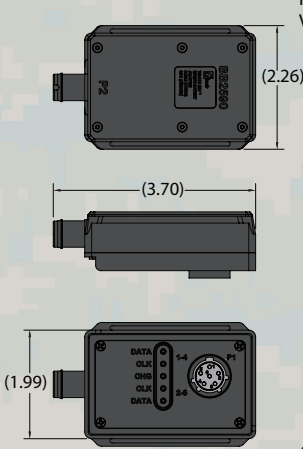
EMI BOX OPTION  
ISOMETRIC  
VIEW SHOWN



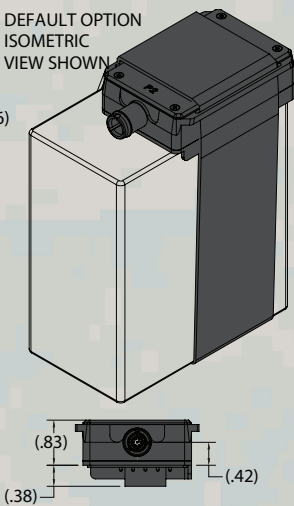
EMI BOX OPTION (-1) SHOWN



DEFAULT OPTION SHOWN



DEFAULT OPTION  
ISOMETRIC  
VIEW SHOWN





Power Cables and Battery Adapters  
TS3-091 Mighty Mouse 6-6 Plug to 2 MouseBite connectors

**SPECIFICATIONS**

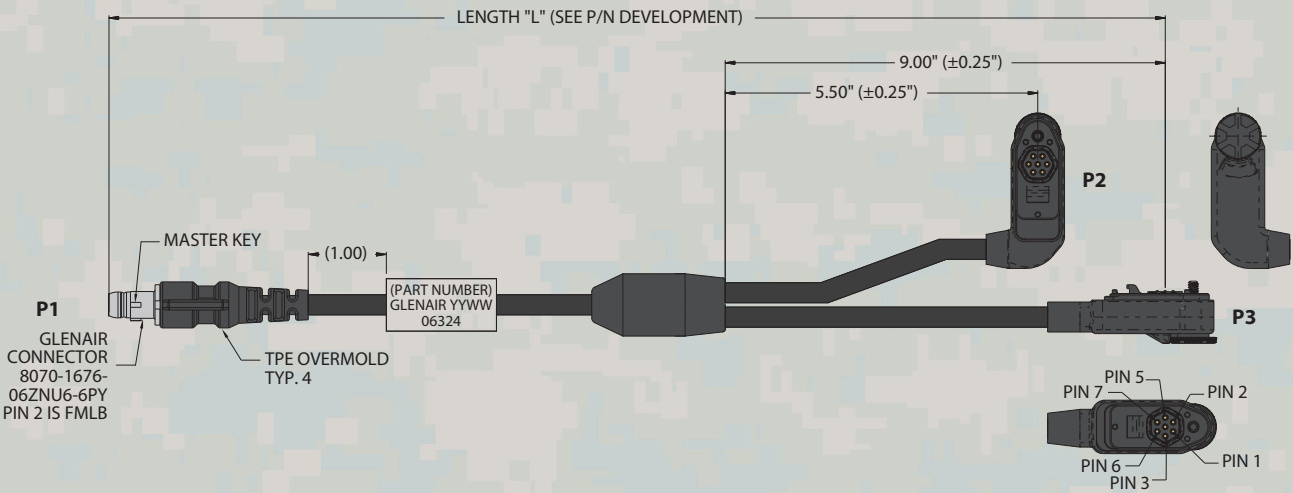
- Black overmolded cable, rugged aluminum housing
- Mighty Mouse 807 (NATO standard) plug, straight- and right-angle MouseBite connectors
- To be used with CWB to TS3-045 or TS2-028 and radio NG side adapter.
- Export classification: EAR99

**HOW TO ORDER**

<b>Sample Part Number:</b>		<b>TS3-091</b>	<b>-XX</b>
Cable Series	Mighty Mouse 6-6 Plug to 2x NG Mousebites		
Cable Length	<b>Omit for STD Length of 24.00" Tolerance:</b> L < 60.00: +1.80/-0.00 L > 60.00: +3%/-0.00		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS





Power Cables and Battery Adapters  
TS2-028 NG Universal Battery Eliminator

POWER CABLES AND BATTERY ADAPTERS

SPECIFICATIONS

- Rugged aluminum construction, tactical black finish
- MouseBite battery cable interface connector, and universal radio interface connector
- To be used with TS1-062 or TS3-091.
- Weight: 155g
- Export classification: EAR99

HOW TO ORDER

Part Number:

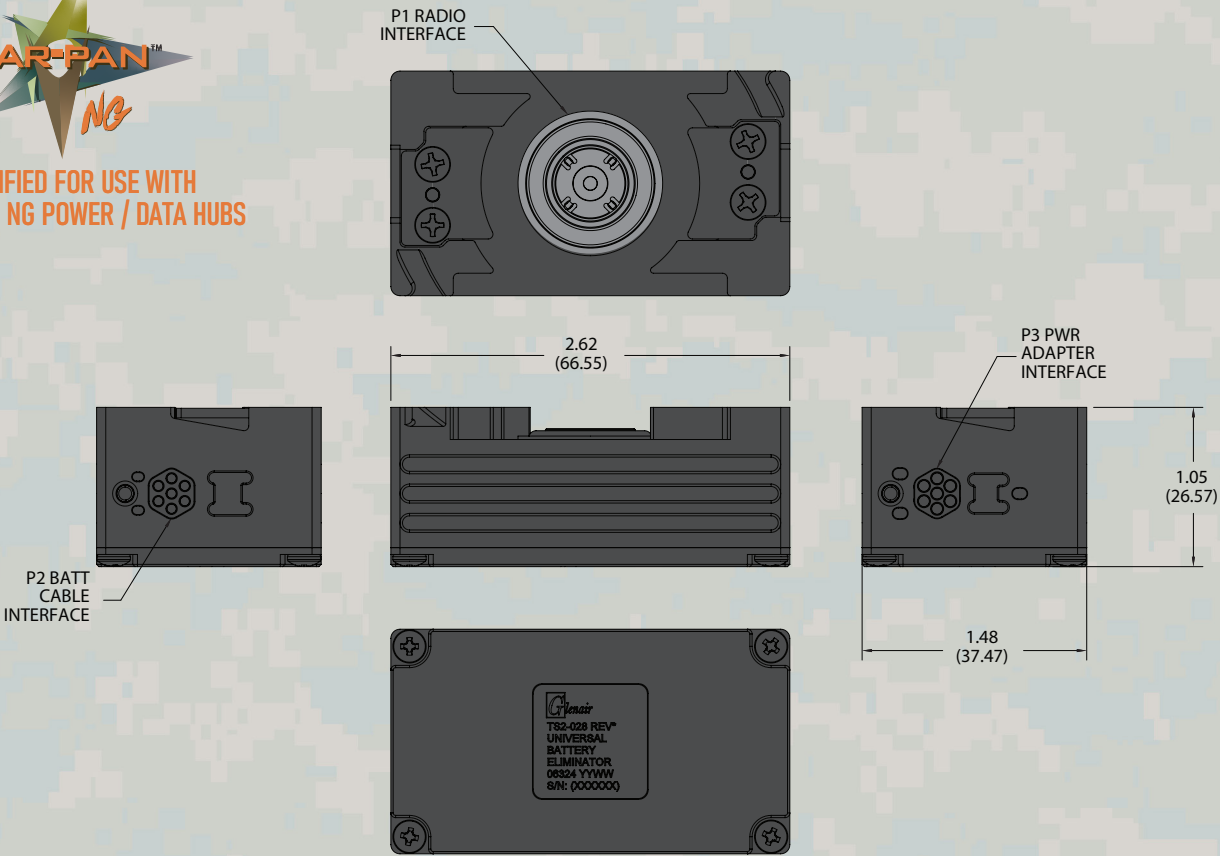
TS2-028

Adapter Series

NG Universal Battery Eliminator



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS





Power Cables and Battery Adapters  
TS3-035 180 Watt AC/DC Power Adapter



**SPECIFICATIONS**

- For connection of STAR-PAN power / data hubs to standard power outlets
- Worldwide wall outlet compatibility
- Mighty Mouse 807 (NATO standard) connector and power plug connector options
- Weight: 1,186g
- Export classification: EAR99

POWER CABLES AND BATTERY ADAPTERS

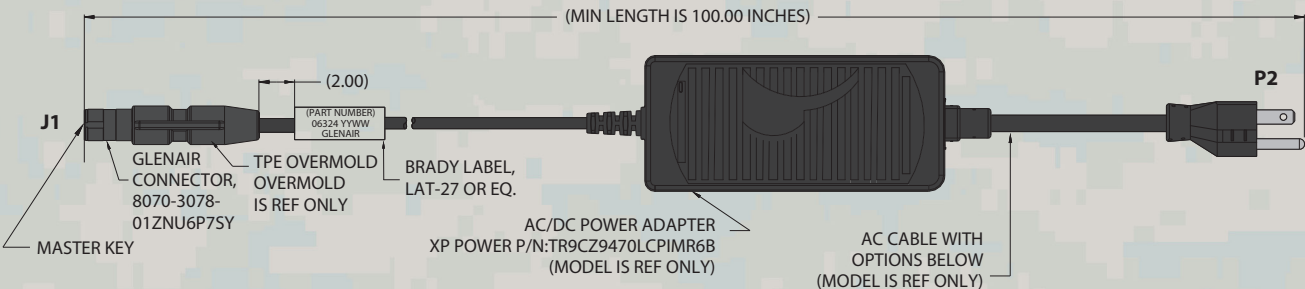
**HOW TO ORDER**

<b>Sample Part Number:</b>		<b>TS3-035</b>	<b>-XX</b>
Cable Series	180 Watt AC/DC Power Adapter Cable Assembly		
Plug Code Options	<b>(Omit for Default)</b>		
	<b>US</b> = Type B	<b>EU</b> = Type E/F	<b>UK</b> = Type G
	<b>AU</b> = Type I	<b>KR</b> = Type F	<b>DM</b> = Type K
	<b>SW</b> = Type J		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**UPP**





Power Cables and Battery Adapters  
TS3-041 Handheld Radio Battery Shoe Adapter

POWER CABLES AND BATTERY ADAPTERS



**SPECIFICATIONS**

- Rugged aluminum construction, tactical black finish
- Mighty Mouse 807 (NATO standard) receptacle, and battery interface connector
- Weight: 127g
- Export classification: EAR99

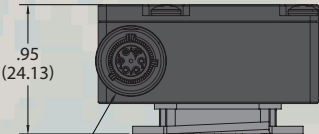
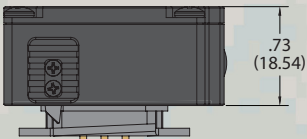
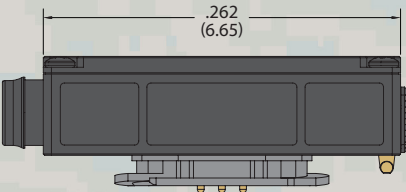
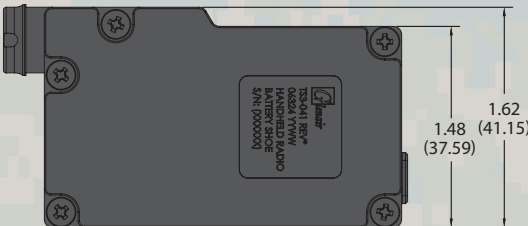
**HOW TO ORDER**

<b>Part Number:</b>	<b>TS3-041</b>
<b>Adapter Series</b>	Handheld Radio Battery Shoe Adapter



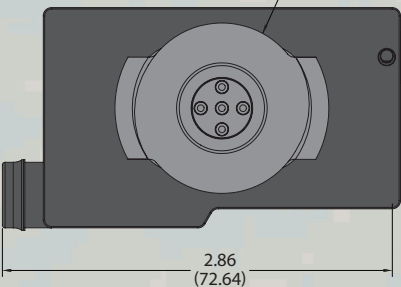
QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

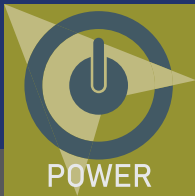
HUB PORT DESIGNATOR:  
**UPP**



J1 CONNECTOR  
INTERFACE IAW  
8070-1675 WITH  
CONTACT ARRANGEMENT 6-7

P1  
BATTERY  
INTERFACE





Power Cables and Battery Adapters  
TS3-042 Dual Handheld Battery Adapter

POWER CABLES AND BATTERY ADAPTERS

**SPECIFICATIONS**

- For connection of STAR-PAN NG power / data hubs to handheld radio batteries
- Adapter cable included with Mighty Mouse 807 (NATO standard) connector and MouseBite connector
- Battery adapter interface on both sides
- Rugged aluminum construction, tactical black finish
- Weight: 251g
- Export classification: EAR99

**HOW TO ORDER**

<b>Sample Part Number:</b>		<b>TS3-042</b>	<b>-XX</b>
Adapter Series	Dual Handheld Battery Adapter		
Cable Length	<b>Omit for default length of 5.00"</b> Tolerance: L < 60.00: +1.80/-0.00 L > 60.00: +3%/-0.00		

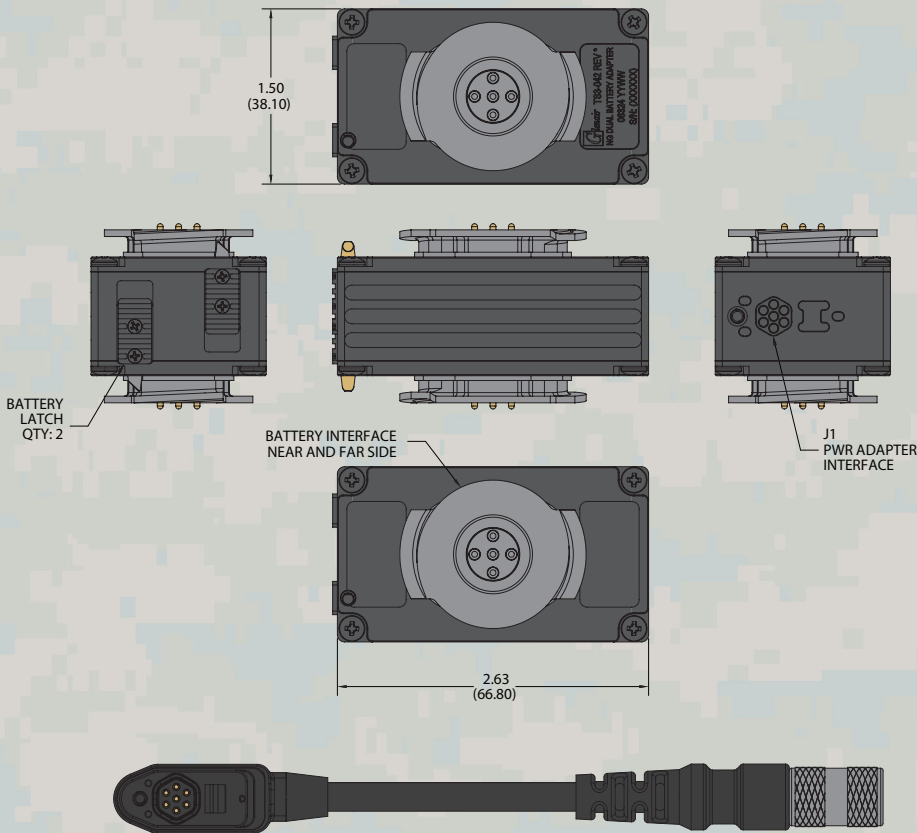


QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**UPP**



RECOMMENDED ACCESSORY:  
**TS4-029 DUAL-BATTERY  
ADAPTER POUCH**



TS1-112 POWER ADAPTER CABLE INCLUDED



Power Cables and Battery Adapters  
TS2-031 Power Conditioner, NGH

POWER CABLES AND BATTERY ADAPTERS

SPECIFICATIONS

- Enables multiple power input options and regulates power for use with STAR-PAN hubs
- Mighty Mouse 807 (NATO standard) connector [power out] and Mighty Mouse 801 connector [power in]
- 10-40V input, boosts to 12V when Voltage in is below 12V and bucks down to 20V if input Voltage is greater than 20V. By passes when input Voltage is between 12-20V. 10A out per port.

Voltage in	Voltage out
Vin < 12V	12V
12V < Vin < 20V	Vin
>20V	20V

- Weight: 505g
- Export classification: EAR99

HOW TO ORDER

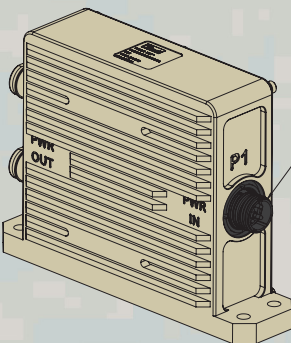
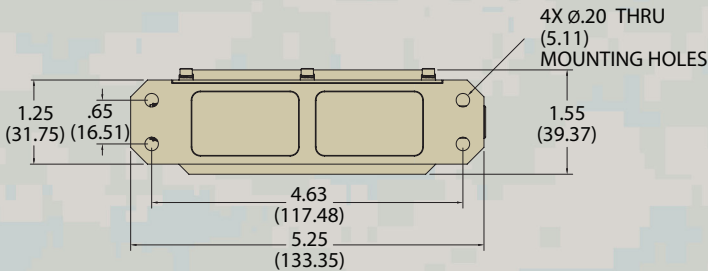
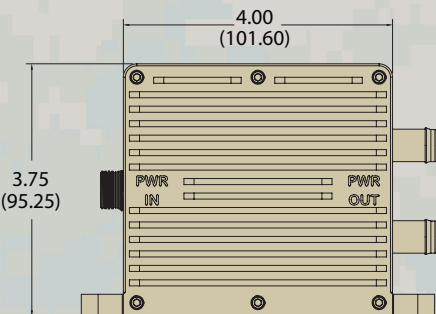
Part Number: TS2-031

Adapter Series Power Conditioner, NGH



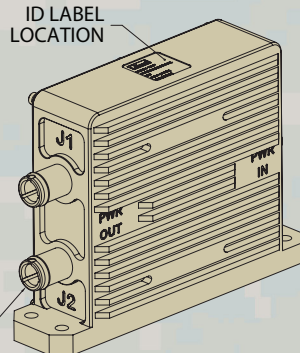
QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

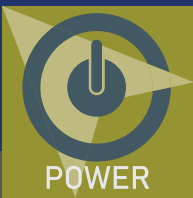
HUB PORT DESIGNATOR:  
UPP



GLENAIR  
CONNECTOR:  
801-011-  
07ZNU9-4EA

2X GLENAIR  
CONNECTOR:  
8070-3078-  
01ZNU6P7SY





## Power Cables and Battery Adapters

### TS1-053 Automotive Aux Power/Cigarette Lighter Adapter Cable (NG Compatible)

#### SPECIFICATIONS

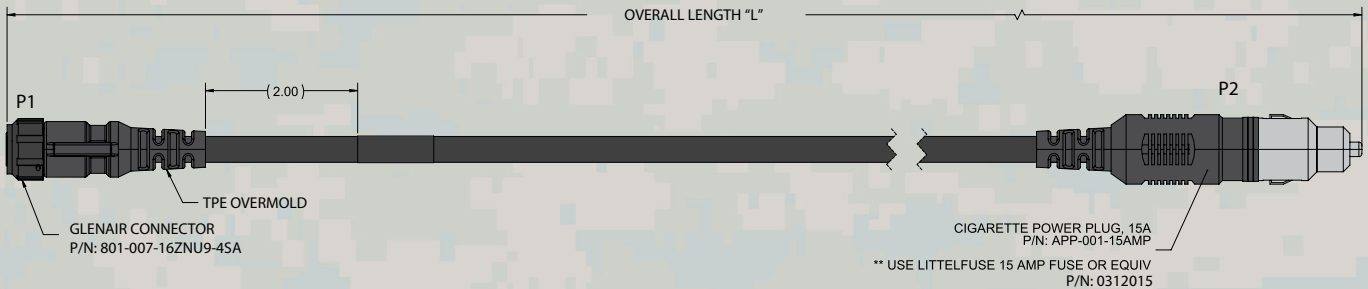
- For connection of STAR-PAN power / data hubs to vehicle aux power or cigarette lighter with TS2-009 Power Conditioner
- To be used with TS2-031
- Mighty Mouse 801 connector [power in]
- Weight: 233g
- Export classification: EAR99

#### HOW TO ORDER

<b>Part Number:</b>		<b>TS1-053</b>
Adapter Series	Automotive Aux Power/Cigarette Lighter Adapter Cable	
Length Designator	In inches <b>Omit for default length of 120.00"</b>	



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS





Power Cables and Battery Adapters  
TS1-054 Mighty Mouse to Battery Clamp Adapter Cable (NG Compatible)

POWER CABLES AND BATTERY ADAPTERS

**SPECIFICATIONS**

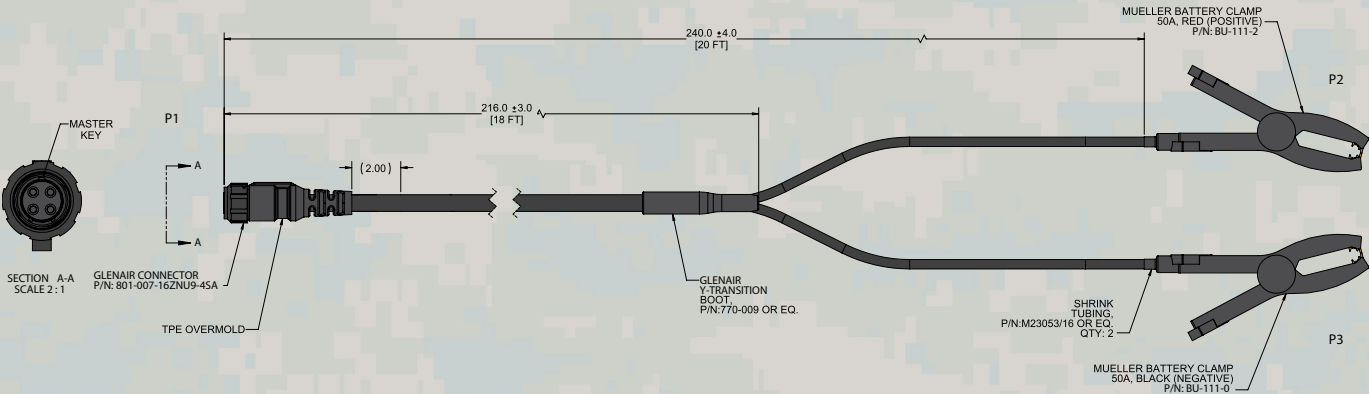
- For connection of STAR-PAN power / data hubs to battery with TS2-009 Power Conditioner
- To be used with TS2-031
- Mighty Mouse 801 connector [power in]
- Weight: 515g
- Export classification: EAR99

**HOW TO ORDER**

<b>Part Number:</b>	<b>TS1-054</b>
<b>Adapter Series</b>	Battery Clamp Adapter Cable



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS





## Power Cables and Battery Adapters

### TS1-055 Mighty Mouse to NATO Plug Adapter Cable (NG Compatible)

#### SPECIFICATIONS

- For connection of STAR-PAN power / data hubs to NATO plug connector with TS2-009 Power Conditioner
- To be used with TS2-031
- Mighty Mouse 801 connector [power in]
- Weight: 942g
- Export classification: EAR99

#### HOW TO ORDER

Part Number:

**TS1-055**

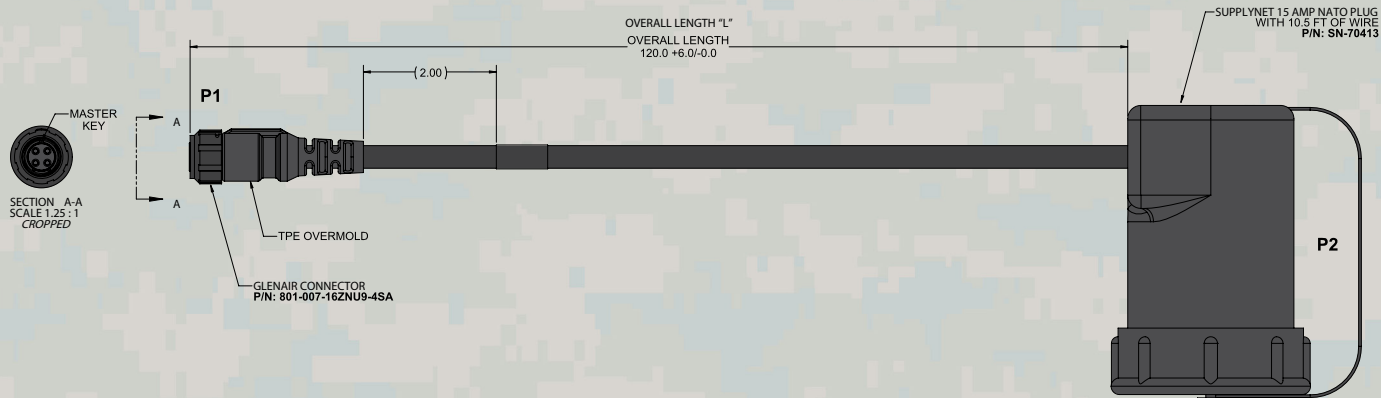
Adapter Series

NATO Plug Adapter Cable

POWER CABLES AND BATTERY ADAPTERS



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS





Power Cables and Battery Adapters  
TS1-059 24V Cigarette Lighter Cable Assembly

POWER CABLES AND BATTERY ADAPTERS



SPECIFICATIONS

- For connection of STAR-PAN power / data hubs to vehicle cigarette lighter
- Provides conditioned vehicle power
- Mighty Mouse 807 (NATO standard) connector and vehicle lighter connector
- Weight: 139g
- Export classification: ECCN 3A611.x

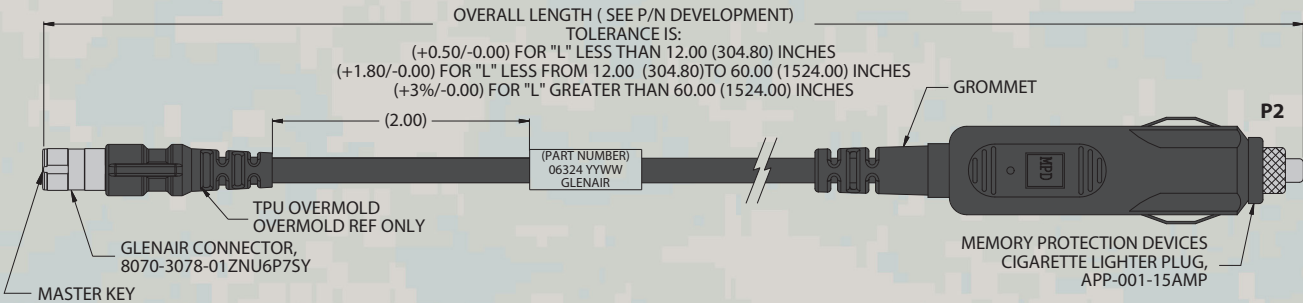
HOW TO ORDER

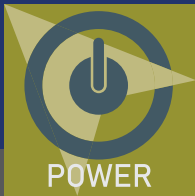
Sample Part Number:		TS1-059	-XX
Adapter Series	24V Cigarette Lighter cable assembly		
Length Designator	In Inches. Omit for Default Length of 72.00"		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
UPP





Power Cables and Battery Adapters  
TS1-082 UPP to HELLA Cigarette Lighter

SPECIFICATIONS

- Refer to Glenair Mighty Mouse catalog for connector materials, finishes, and dimensions.
- Weight: 233g

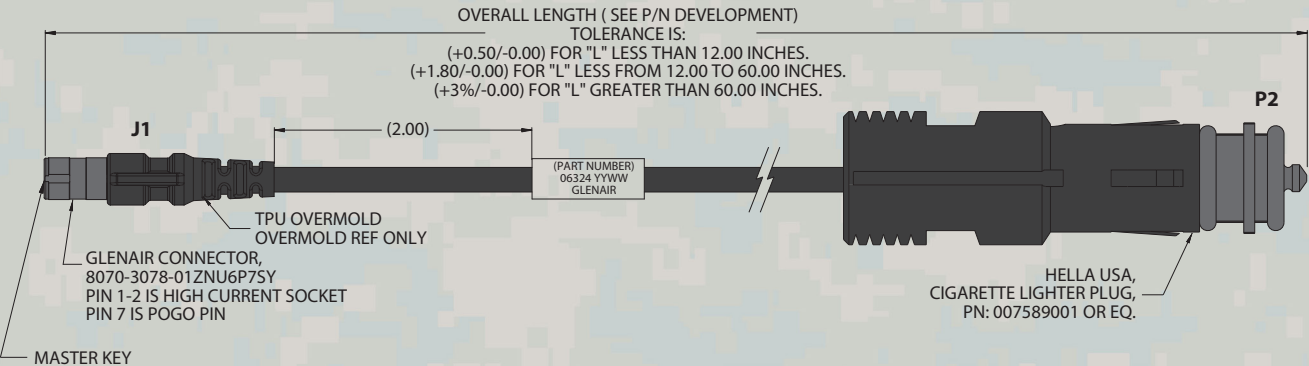
HOW TO ORDER

<b>Sample Part Number:</b>		<b>TS1-082</b>	<b>-XX</b>
Cable Series	UPP to Hella Cigarette Lighter		
Cable Length	(In inches) Omit for default length of 72.00 Inches		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
UPP



BATTLE-TESTED

# STAR-PAN™ NG



## Power Cables and Battery Adapters

### TS2-017 NG - BB2590 Charging Adapter

POWER CABLES AND BATTERY ADAPTERS



#### SPECIFICATIONS

- 2590 EMI box with integrated charging circuitry
- Weight: 748g
- Export classification: EAR99

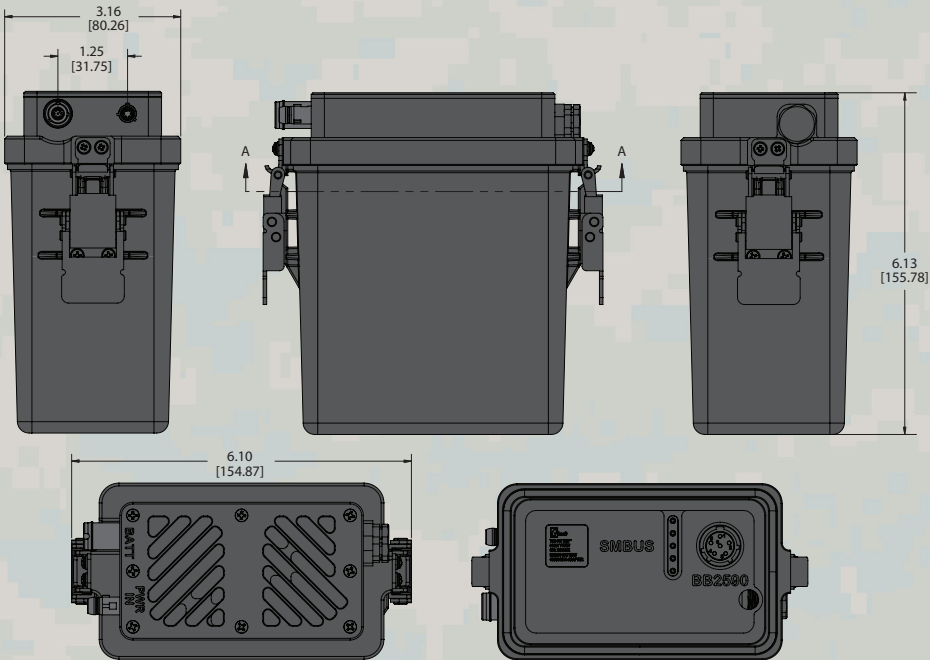
#### HOW TO ORDER

Part Number:	TS2-017
Adapter Series	NG - BB2590 Charging Adapter



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
UPP



## Power Cables and Battery Adapters TS3-022 Universal Radio Power Booster (NG Compatible)



### SPECIFICATIONS

- Radio Power Booster enables trickle charging of radio batteries and radio holdup to hub
- Aluminum housing, black anodize finish
- For use with TS1-030
- Weight: 155g
- Export classification: ECCN 3A611.a

### HOW TO ORDER

**Part Number:**

**TS3-022**

**Adapter Series**

BT-70838BE Battery Connector

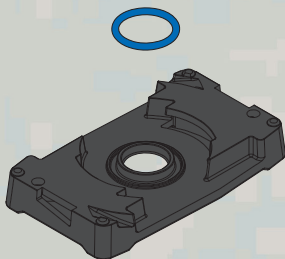


QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

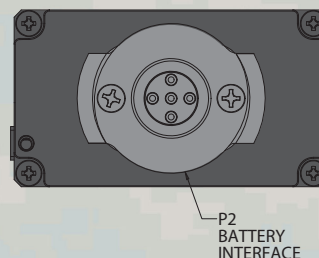
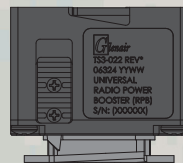
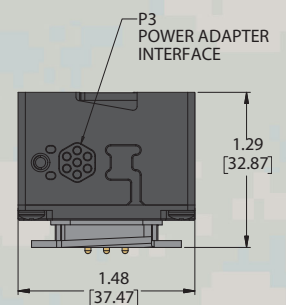
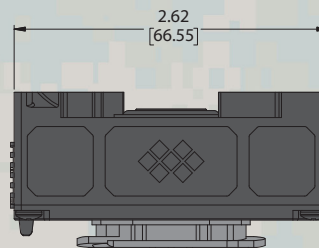
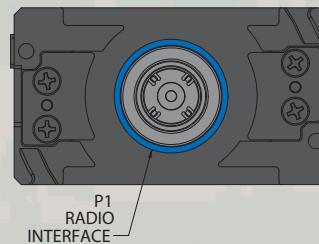
**RADIO POWER BOOST**

### SUPPLIED ACCESSORY

**Part No. 808**



**Dust Cover with O-Ring Seal**  
Rugged black polycarbonate with  
fluorosilicone O-ring supplied with each  
assembly





Power Cables and Battery Adapters  
TS1-030 Cable for use with Radio Battery Adapters (NG Compatible)

POWER CABLES AND BATTERY ADAPTERS



SPECIFICATIONS

- Aluminum housing, black conductive finish
- Santoprene jacketed cable, black
- Weight: (consult factory)
- Refer to TS3-022 Data Sheet for suggested cable lengths for different side adapters.
- Export classification: EAR99

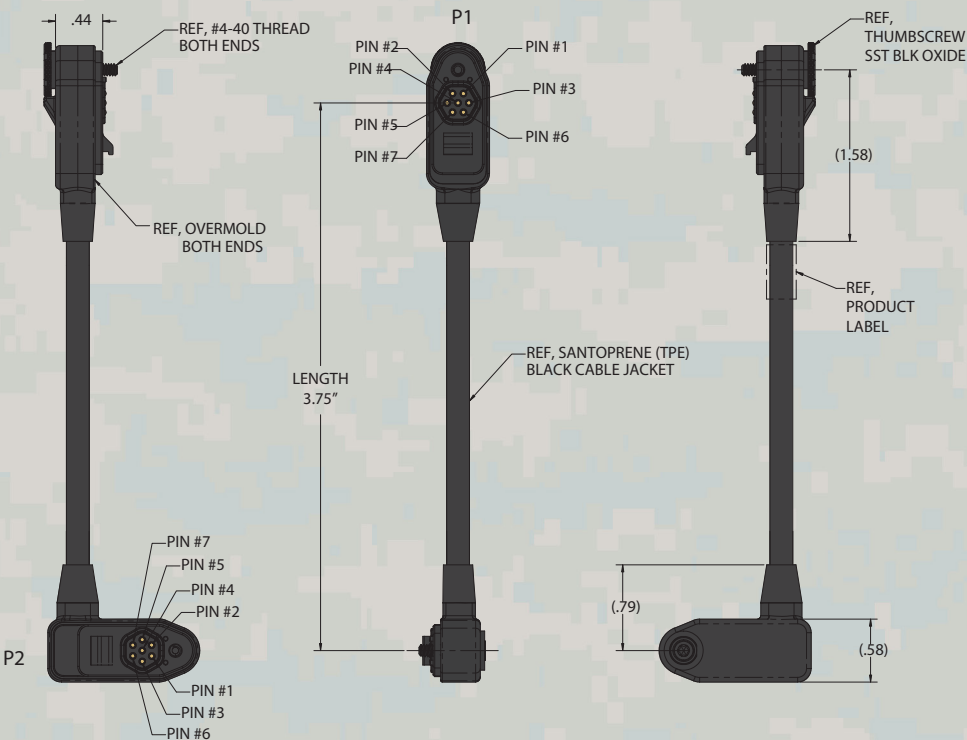
HOW TO ORDER

Sample Part Number:		TS1-030	-6	-A
Cable Series	Cable for use with Radio Battery Adapters TS3-022 and TS8-459			
Length	In Inches Omit for standard length of 5.75"			
Retained Screw Option	-A = Thumbscrew at P1 and Thumbscrew at P2 -B = Socket Head at P1 and Thumbscrew at P2 -C = Socket Head at P1 and Socket Head at P2 Omit for Thumbscrew at P1 and Socket Head at P2			
Packaging Option	Omit = Standard packaging -N = No packaging			



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

RADIO POWER BOOST



## Power Cables and Battery Adapters

### TS8-473 AN/PRC-163 Dual Power Cable Battery Eliminator (NG Compatible)



#### SPECIFICATIONS

- Battery eliminator adapter
- Aluminum housing, black anodized finish
- Santoprene jacketed cable, black
- 2 Mighty Mouse 807 (NATO standard) connectors for “hot swap” capability
- Weight: 197g
- Export classification: ECCN 3A611.x

#### HOW TO ORDER

**Part Number:**

**TS8-473**

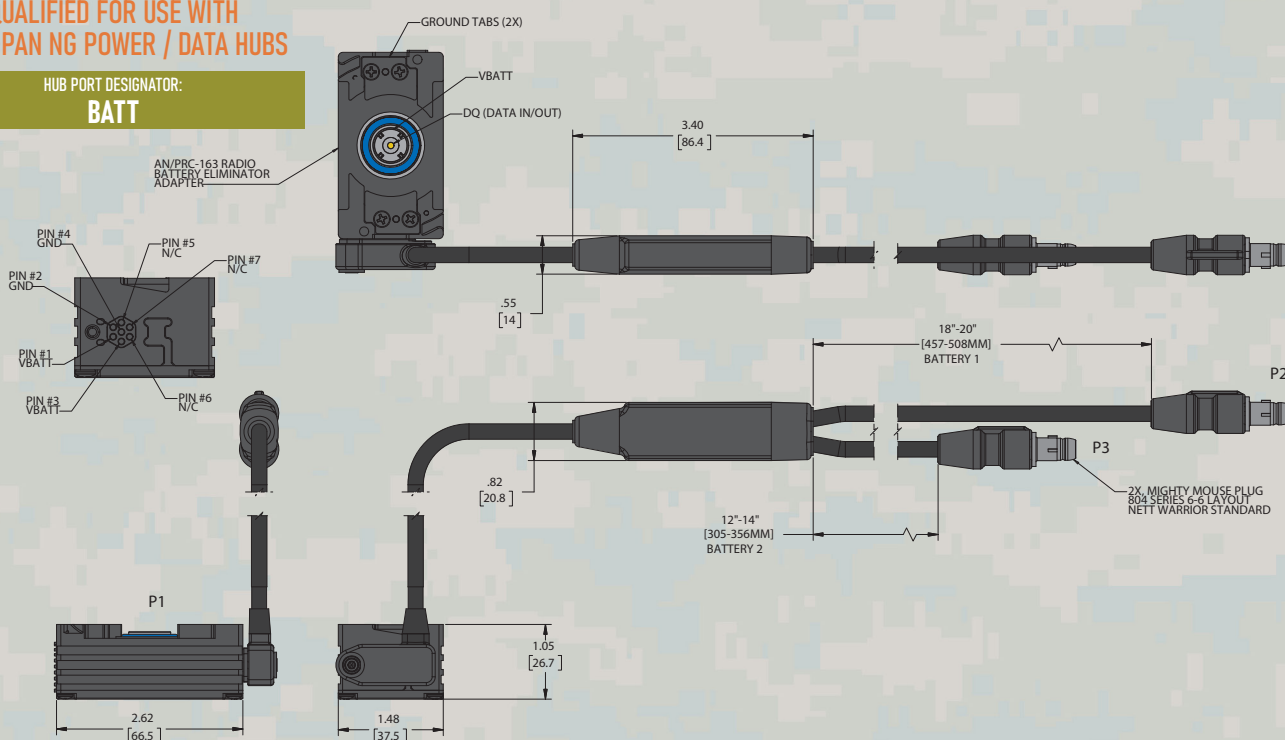
**Adapter Series**

Battery Eliminator Adapter



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**BATT**





Power Cables and Battery Adapters  
TS3-060 USB-C PD Downstream Charging Cable (NG Compatible)

POWER CABLES AND BATTERY ADAPTERS

SPECIFICATIONS

- Places USB-C Power Delivery-capable devices into device mode, and provides a charge current of 2–3A (device and power source-dependent)
- Aluminum housing, black conductive finish
- Santoprene jacketed cable, black, with ergonomic TPE overmolded strain reliefs
- Weight: 63g
- Export classification: ECCN 3A611.x

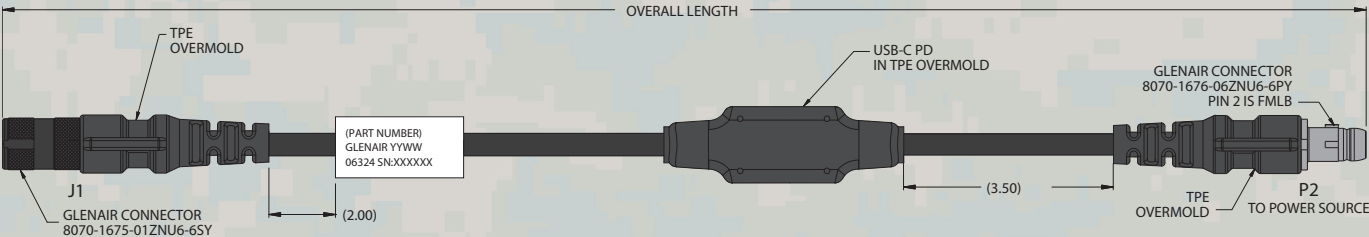
HOW TO ORDER

Sample Part Number:		TS3-060	-24
Cable Series	USB-C PD downstream charging cable		
Length Option	In Inches. 48.00" max Omit for standard length of 18.00 inches.		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
UPP



# BATTLE-TESTED STAR-PAN™ NG

## Targeting device cables and adapters

### STAR-PAN TARGETING DEVICE CABLES AND BATTERY ADAPTERS

Part No. / Description		Page No.
<b>808-041</b>	Vector 21 / 23B Cable	62
<b>TS8-494</b>	Vector 21 / Moskito / Multi-Use RS232 cable	63
<b>808-049</b>	PLRF 15C / 25C Cable	64
<b>808-212</b>	STERNA True North Finder (TNF) Cable	65
<b>808-246</b>	JIM-LR Cable	66
<b>808-219</b>	JIM Compact Cable	67
<b>TS8-488</b>	JIM Compact Cable, Right-Angle Overmold with Switch	68
<b>808-218</b>	Moskito TI Cable	69
<b>808-251</b>	Moskito TI RS-232 to USB Converter Cable	70
<b>TS8-427</b>	Moskito TI-SI1 with STERNA Cable	71



**Safran Vectronix Vector 21/21B  
and Moskito Data Cable**



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



**Safran Vectronix  
STERNA TNF  
Data Cable**



Targeting Device Cables and Adapters  
808-041 Vector 21 / 23B Cable (NG Compatible)

TARGETING CABLES AND ADAPTERS



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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 P2 peripheral device connectors
- Weight: 179g
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

**Sample Part Number:** **808-041**

**Cable Series** Vector 21/23B/Moskito Data Cable

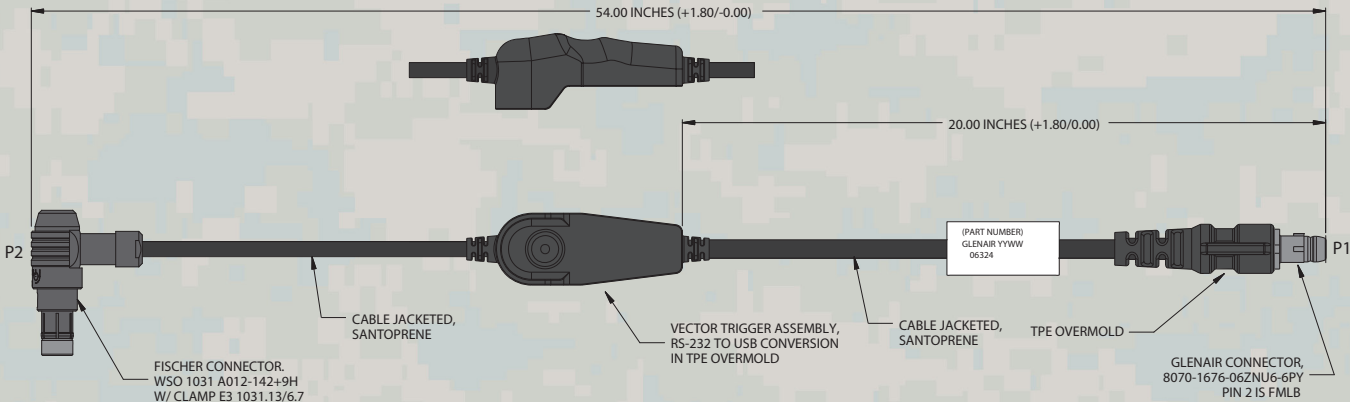


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





## Targeting Device Cables and Adapters

TS8-494 Vector 21 / Moskito / Multi-Use RS232 cable (NG Compatible)

### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- Mutli-Purpose RS232 Cable for connection of TNF targeting devices 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 P1 peripheral device connectors
- Weight: 191g
- Export classification: ECCN 3A611.x

### HOW TO ORDER

<b>Sample Part Number:</b>	<b>TS8-494</b>	<b>-40</b>
Cable Series	Vector 21 / Moskito / RS232 cable	
Length Designator	In inches. <b>Omit for default length of 54"</b>	

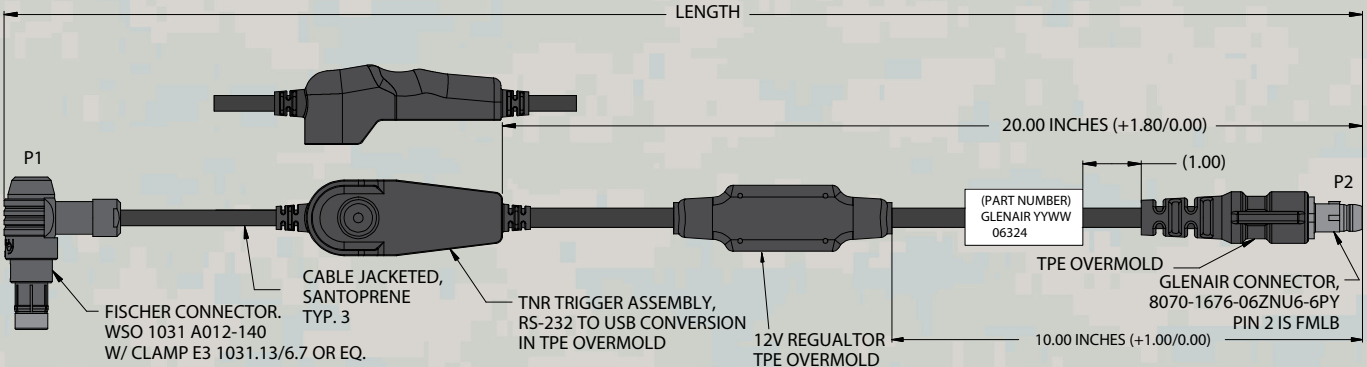


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





Targeting Device Cables and Adapters  
808-049 PLRF 15C / 25C Cable (NG Compatible)

TARGETING CABLES AND ADAPTERS



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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 P1 peripheral device connectors
- Weight: 78g
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

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

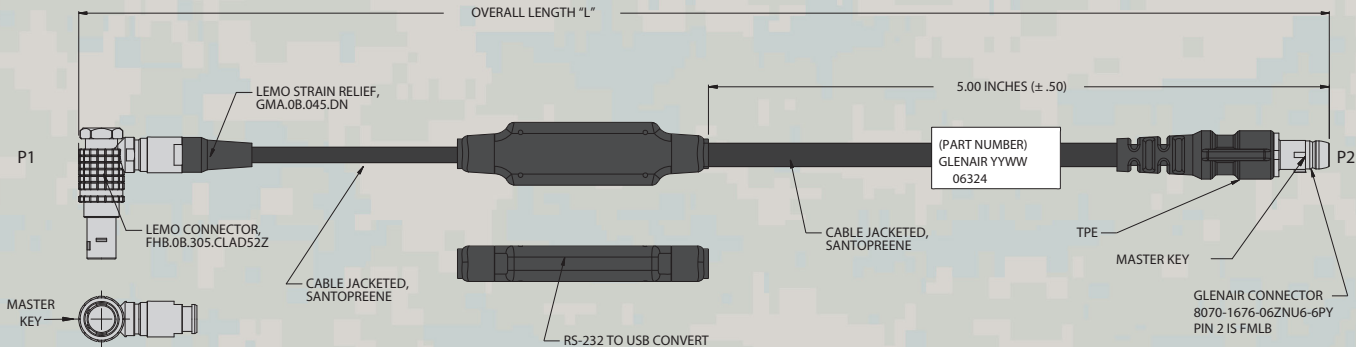


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





## Targeting Device Cables and Adapters

### 808-212 STERNA True North Finder (TNF) Cable (NG Compatible)



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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 P1 peripheral device connectors
- Weight: 108g
- Export classification: ECCN 3A611.x

#### HOW TO ORDER

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

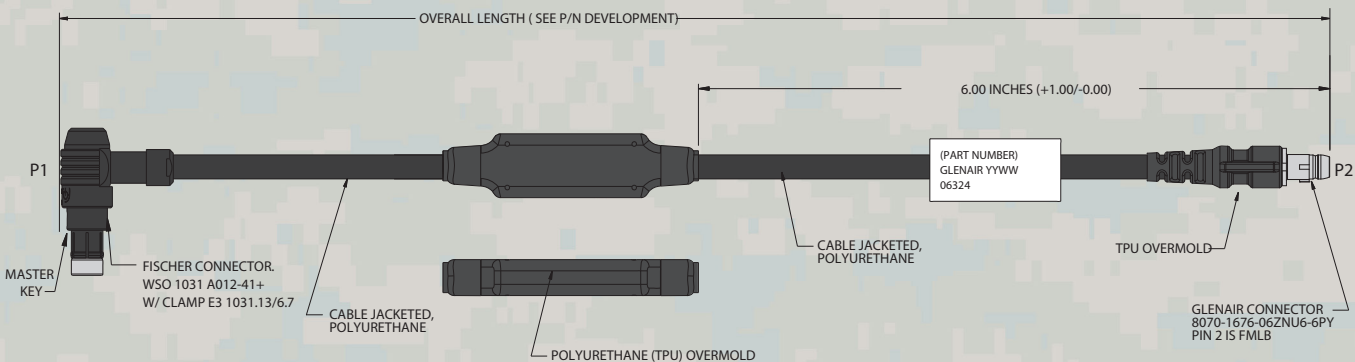


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





Targeting Device Cables and Adapters  
808-246 JIM-LR Cable (NG Compatible)

TARGETING CABLES AND ADAPTERS



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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, P2 power and P1 data peripheral device connectors
- Weight: 223g
- Export classification: ECCN 3A611.x

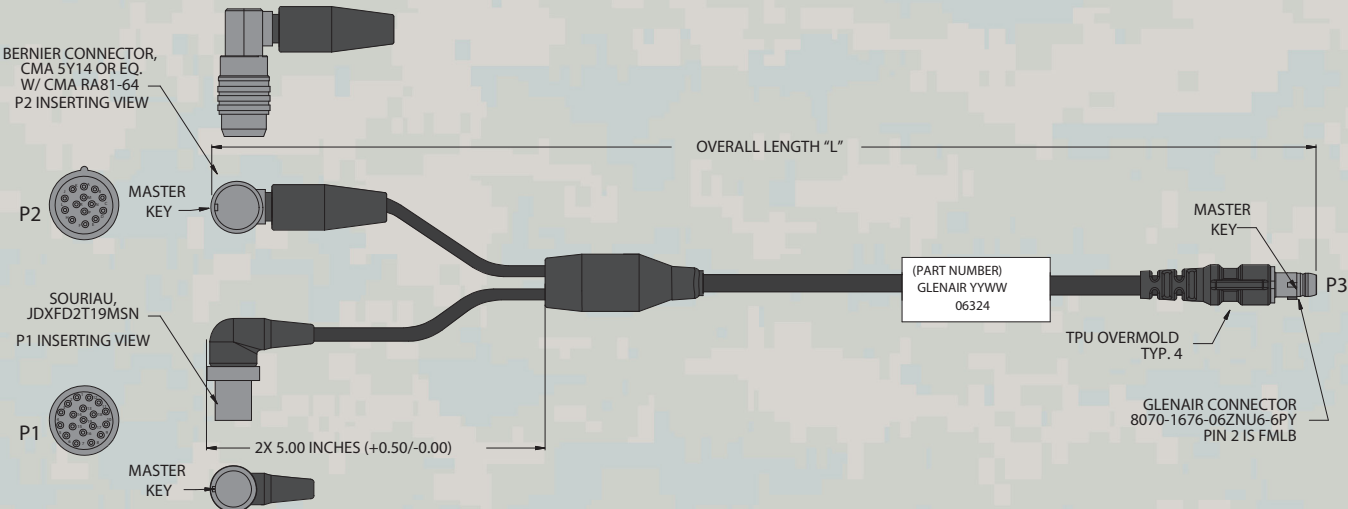
**HOW TO ORDER**

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"	



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

HUB PORT DESIGNATOR:  
**PAN**



BATTLE-TESTED  
**STAR-PAN™**



Targeting Device Cables and Adapters  
808-219 JIM Compact Cable (NG Compatible)



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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 P1 peripheral device connectors
- Weight: 113g
- Export classification: ECCN 3A611.x

**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"	

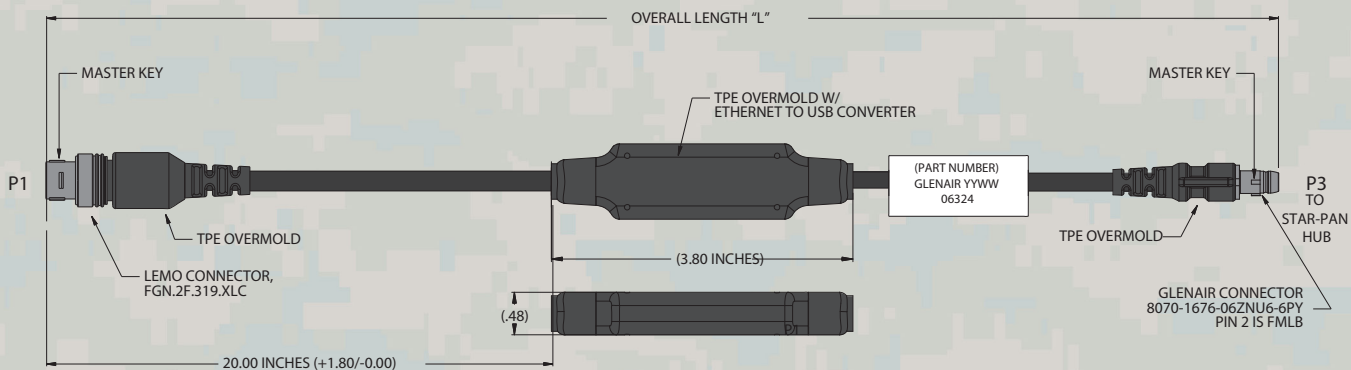


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





Targeting Device Cables and Adapters  
TS8-488 JIM Compact Cable, Right-Angle Overmold with Switch (NG Compatible)

TARGETING CABLES AND ADAPTERS



SPECIFICATIONS

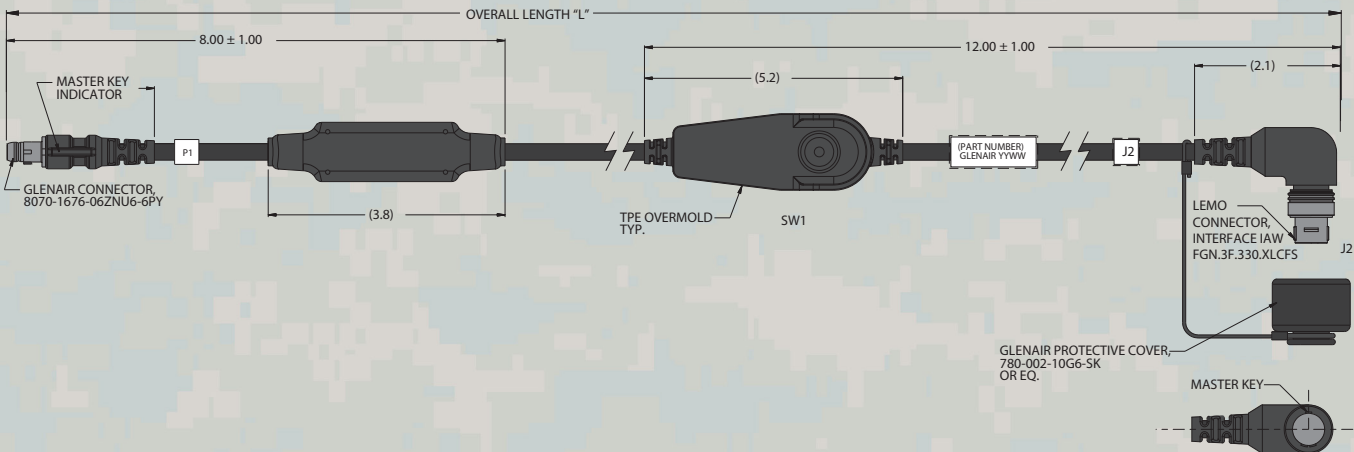
- STAR-PAN+ with NG compatibility
- For connection of referenced targeting device to STAR-PAN power / data hubs
- Polyurethane-jacketed cable and ergonomic TPE overmold, black
- Integrated Ethernet to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and J2 peripheral device connectors
- Weight: 229g
- Export classification: ECCN 3A611.x

HOW TO ORDER

Sample Part Number:		TS8-488	-30
Cable Series	JIM Compact Adapter Cable		
Length Designator	In inches. 36" minimum Omit for default length of 60.00"		



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





## Targeting Device Cables and Adapters

### 808-218 Moskito TI Cable (NG Compatible)



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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 P1/P2 peripheral device connectors
- Weight, 24" cable: 150g
- Export classification: ECCN 3A611.x

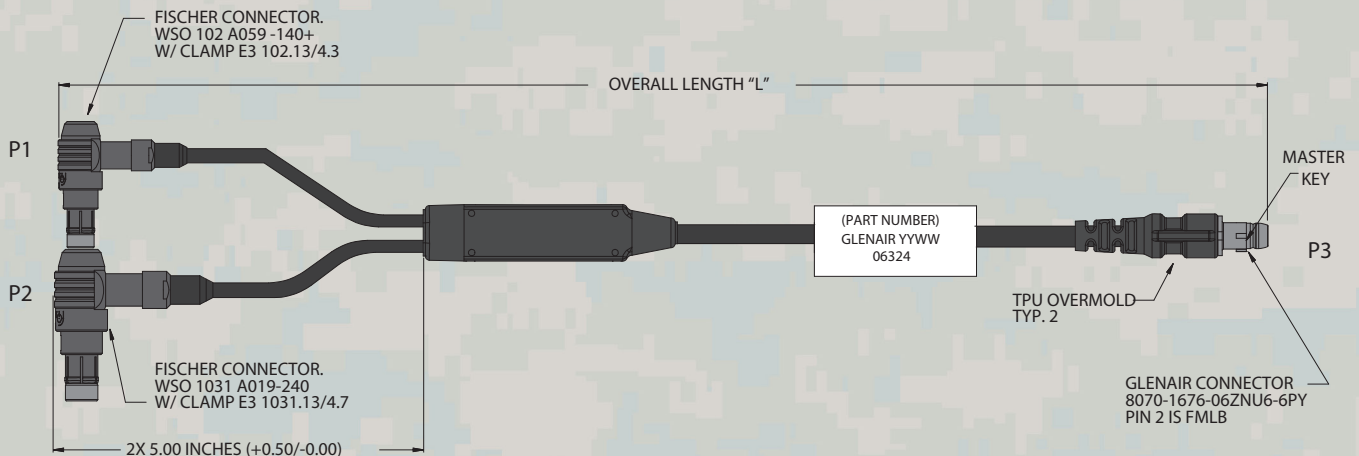
#### HOW TO ORDER

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



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

HUB PORT DESIGNATOR:  
**PAN**





Targeting Device Cables and Adapters  
808-251 Moskito TI RS-232 to USB Converter Cable (NG Compatible)

TARGETING CABLES AND ADAPTERS



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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 P1 peripheral device connectors
- Weight: 85g
- Export classification: ECCN 3A611.x
- RS-232 and power
- PAN port connection

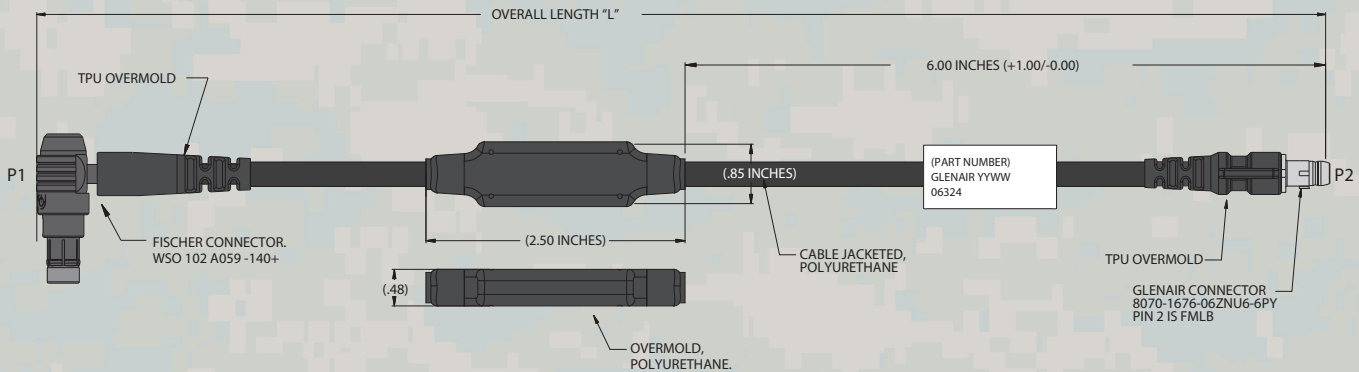
**HOW TO ORDER**

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



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

HUB PORT DESIGNATOR:  
**PAN**





## Targeting Device Cables and Adapters

### TS8-427 Moskito TI-SI1 with STERNA Cable (NG Compatible)



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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 P1/P2 peripheral device connectors
- Weight: 272g
- Export classification: ECCN 3A611.x

#### HOW TO ORDER

Sample Part Number:

**TS8-427**

Cable Series

Moskito TI - SI1 with STERNA cable

TARGETING CABLES AND ADAPTERS

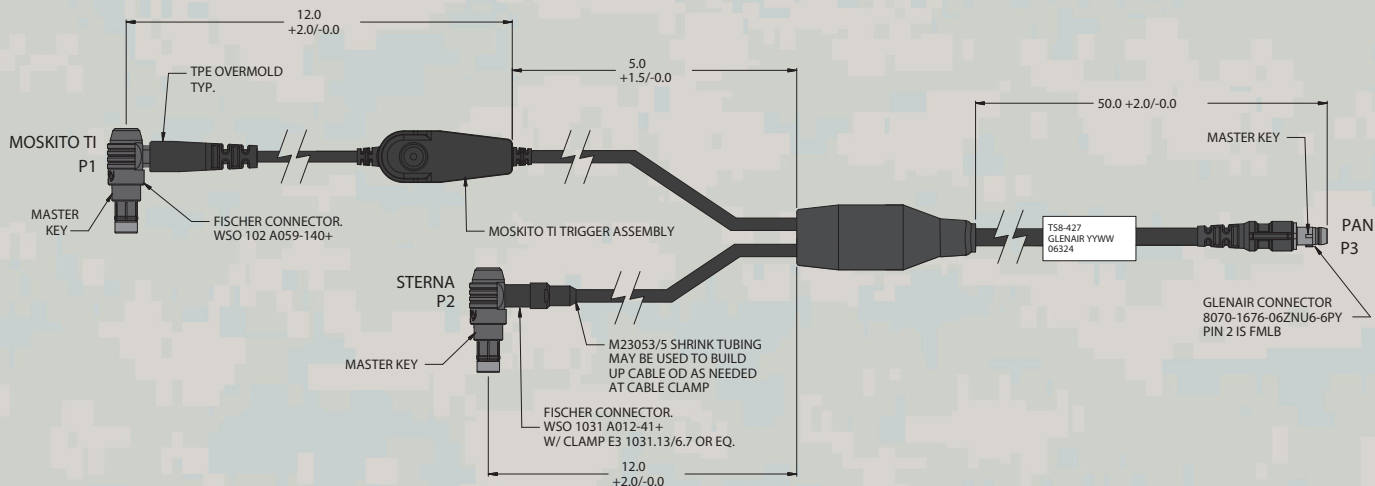


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**



# BATTLE-TESTED STAR-PAN™

## Video downlink, GPS, and auxiliary device cables

### VIDEO / GPS POWER AND DATA CABLES

Part No. / Description		Page No.
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## Video Downlink, GPS, and Auxiliary Device Cables

### 808-040 DAGR GPS Cable (NG Compatible)



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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.
- 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

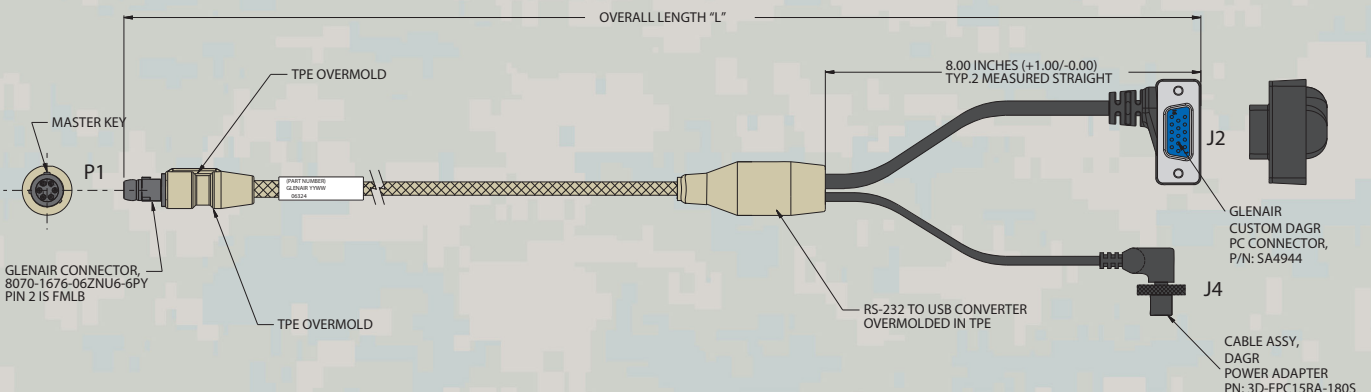
#### HOW TO ORDER

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



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

HUB PORT DESIGNATOR:  
**PAN**



## Targeting Device Cables and Adapters TS8-547 TNR2i Side Hat, Ethernet And Composite Video Out, RPB



QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:  
**PAN**

### SPECIFICATIONS

- Unit pack: 1 ea. In ESD bag, heat-sealed. Include ESD dust cap. Tag and bag per illustration.
- Refer connector drawings 8070-1676 and 804-003 for connector materials, finishes and dimensions.
- Lengths to be measured straight.
- Jumper wires to be per M22759/11
- To be used with TS1-037

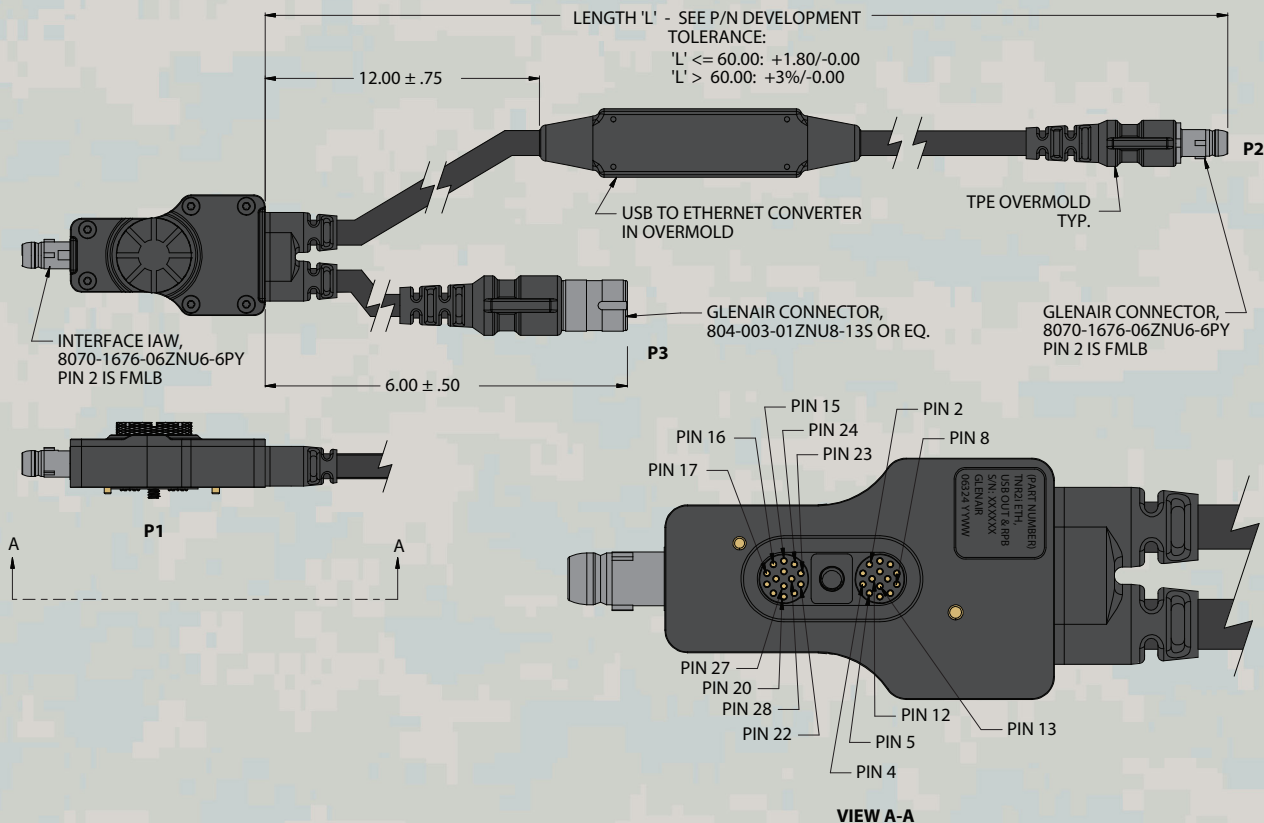
### HOW TO ORDER

**Part Number:**

**TS8-547**

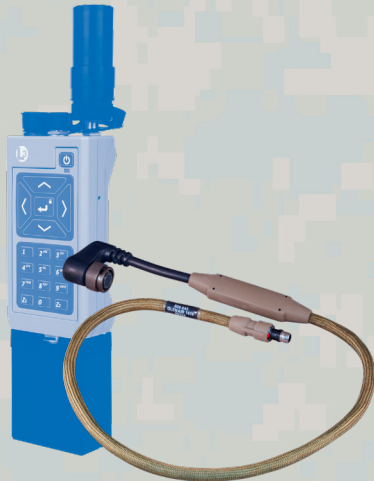
**Cable Series**

TNR2i Side Hat, Ethernet And Composite Video Out, RPB



## Video Downlink, GPS, and Auxiliary Device Cables

### 808-045 TacROVER-P SIR 2.0 Cable (NG Compatible)



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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

#### HOW TO ORDER

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

VIDEO / GPS AND AUXILIARY CABLES

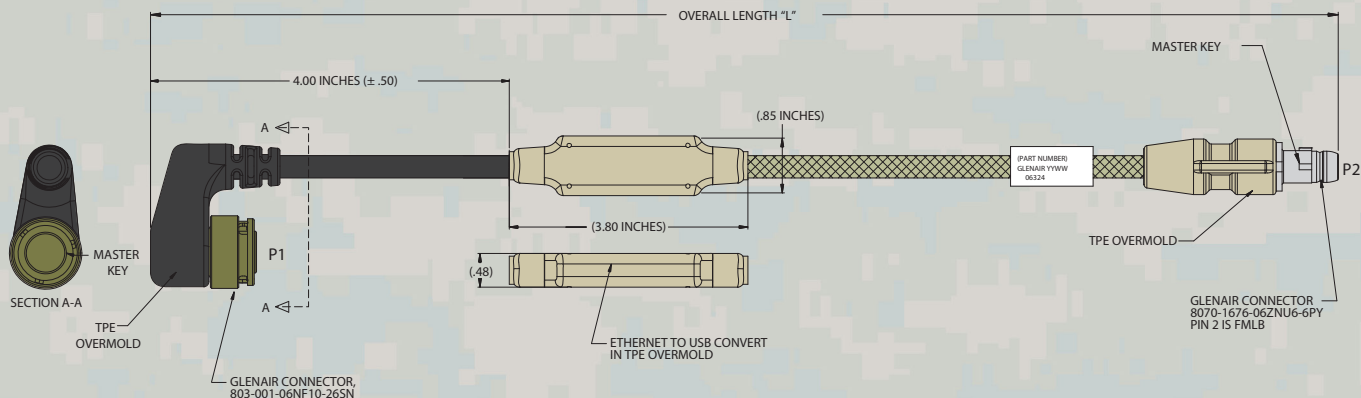


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





Video Downlink, GPS, and Auxiliary Device Cables  
808-068 TacROVER-P SIR 2.5 Cable (NG Compatible)

VIDEO / GPS AND AUXILIARY CABLES



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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 P2 peripheral device connector
- Weight: 69g
- Export classification: 3A611.x

HOW TO ORDER

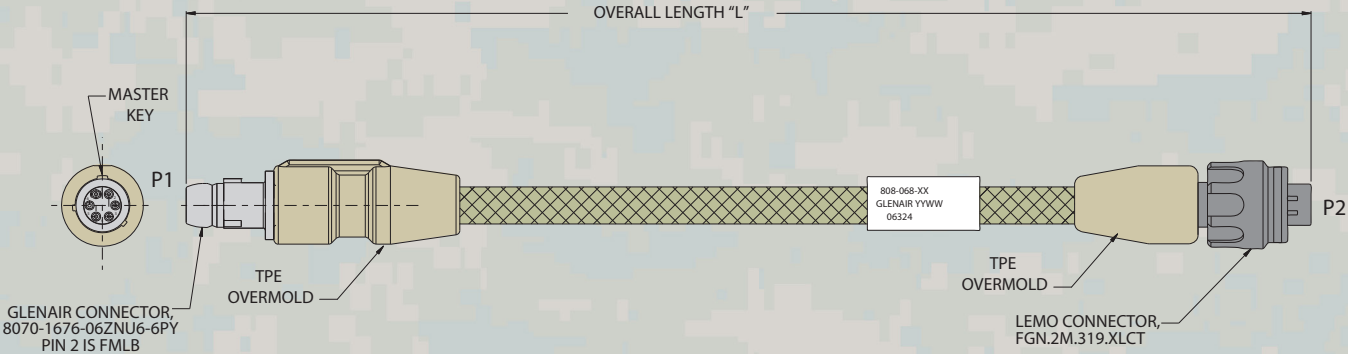
Sample Part Number:		808-068	-8
Cable Series	TacROVER-E SIR 2.5 Cable		
Length Designator	In inches. 6.00" minimum		



QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

LIGHT, II, IV, AND VI

HUB PORT DESIGNATOR:  
PAN



## Video Downlink, GPS, and Auxiliary Device Cables 808-043 TacROVER-P SIR 2.5 Video Cable (NG Compatible)



### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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 P2 peripheral device connector
- Weight, 24" cable: 70g
- Export classification: 3A611.x

### HOW TO ORDER

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

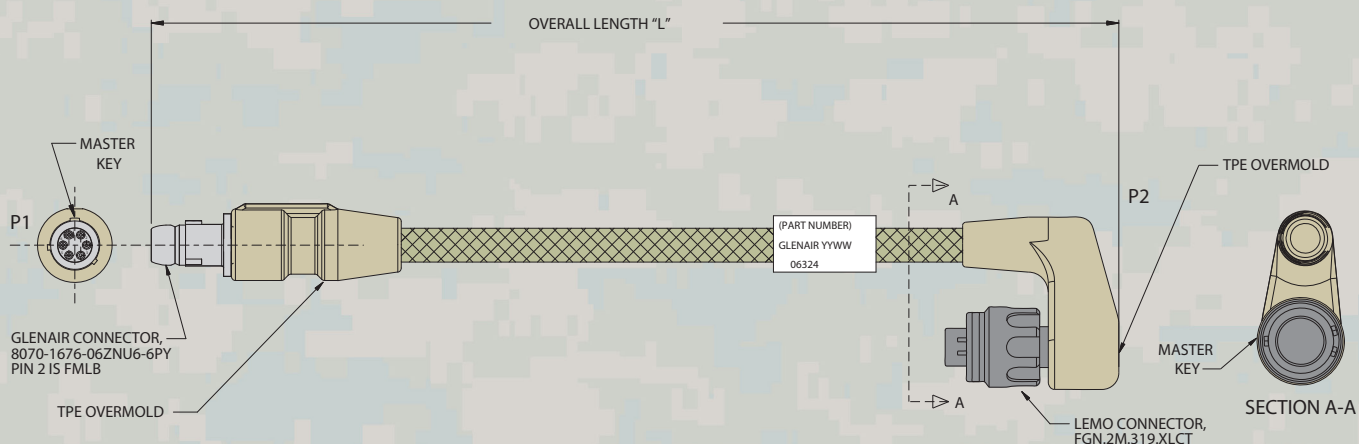


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





Video Downlink, GPS, and Auxiliary Device Cables  
808-082 TacROVER-E SIR 2.5 Cable (NG Compatible)

VIDEO / GPS AND AUXILIARY CABLES



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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 P2 peripheral device connector
- Weight: 93g
- Export classification: 3A611.x

**HOW TO ORDER**

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

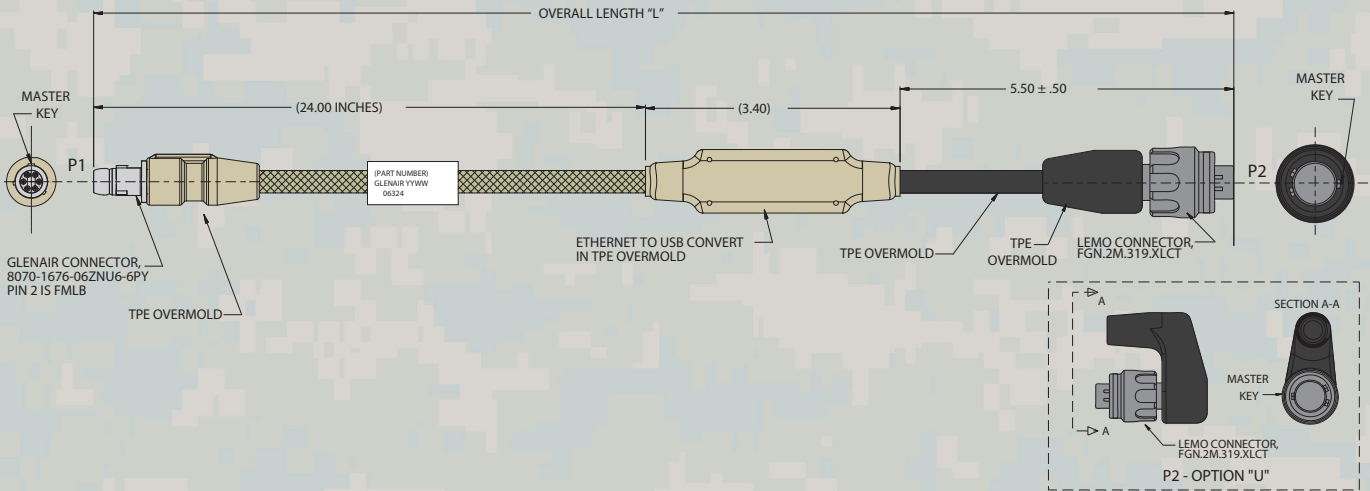


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

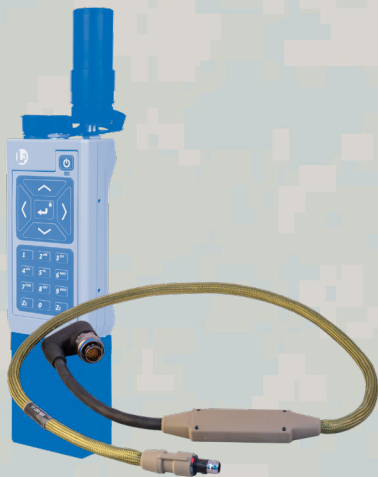
HUB PORT DESIGNATOR:

**PAN**



## Video Downlink, GPS, and Auxiliary Device Cables

### 808-067 TacROVER-P SIR 2.5 Cable (NG Compatible)



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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 P2 peripheral device connector
- Weight, 33" cable: 106g
- Export classification: 3A611.x

#### 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"			

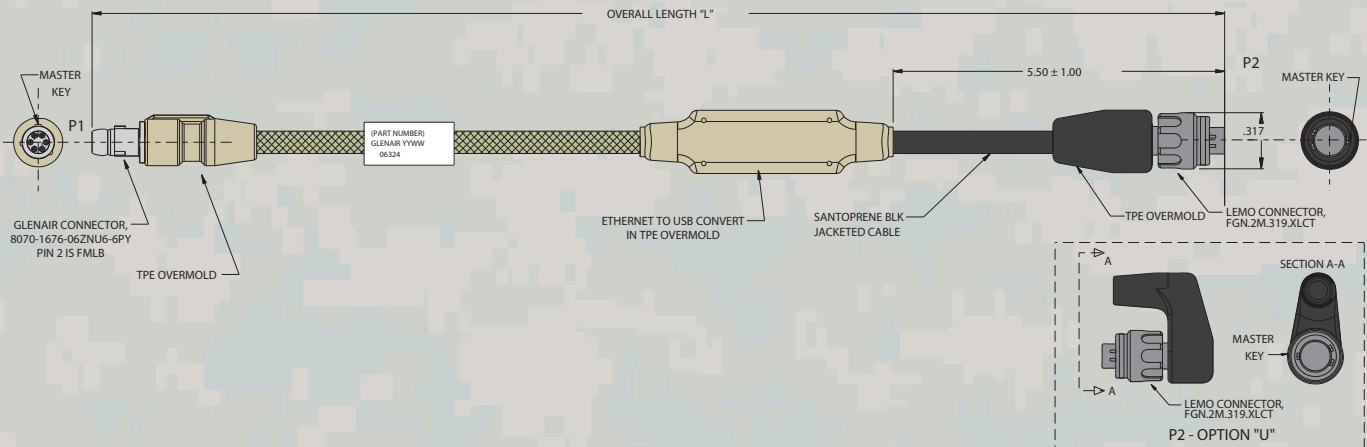


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





Video Downlink, GPS, and Auxiliary Device Cables  
TS8-463-U TacROVER-E SIR 2.5 Cable ("U" Bend) (NG Compatible)

VIDEO / GPS AND AUXILIARY CABLES



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Provides power to device
- Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs.
- Mighty Mouse 807 (NATO standard) connectors and P3 peripheral device connector
- For use with TS3-022
- Weight: 99g
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

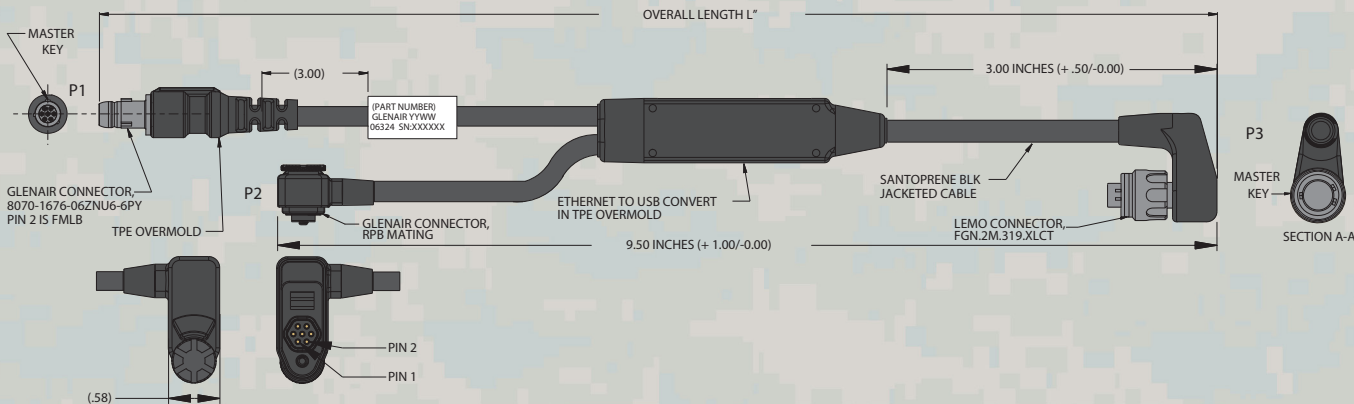
<b>Sample Part Number:</b>		<b>TS8-463</b>	<b>-U</b>	<b>-30</b>
Cable Series	TacROVER-E SIR 2.5 with RPB Option			
P2 Bend Option	<b>-U</b> = "U" Bend, P2 Connector Side			
Length Designator	In inches <b>Omit for default length of 20.00"</b>			



QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:  
**PAN**



Video Downlink, GPS, and Auxiliary Device Cables  
808-152 TacROVER-P SIR 2.5 with TAC-EYE Cable (NG Compatible)



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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 P2 peripheral device connector
- Weight, 24" cable: 108g
- Export classification: ECCN 3A611.x
- Composite video to TAC-EYE

**HOW TO ORDER**

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

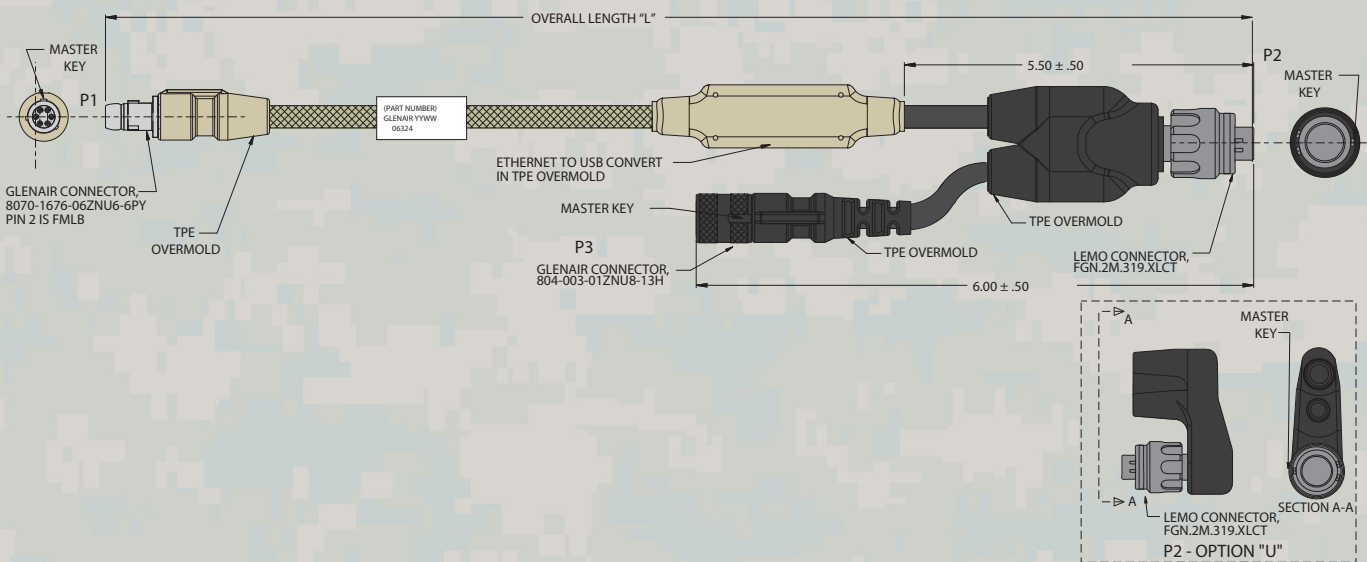


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

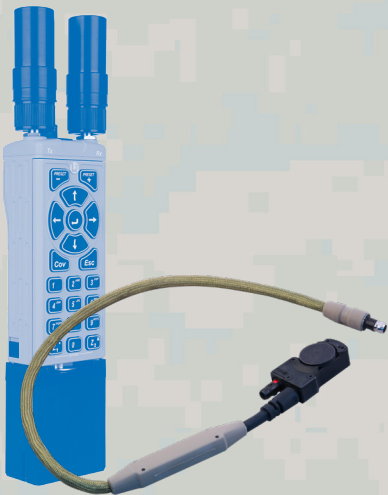
**PAN**





Video Downlink, GPS, and Auxiliary Device Cables  
TS8-530 Tactical Net Rover Cable TS8-530 (NG Compatible)

VIDEO / GPS AND AUXILIARY CABLES



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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.
- For use with TS3-022 and TS1-037
- Weight, 24" cable: 112g
- Export classification: ECCN 3A611.x
- With Radio Power Boost (RPB)

HOW TO ORDER

Sample Part Number:		TS8-530	-28
Cable Series	TNR Cable with RPB Option		
Length Designator	In inches Omit for default length of 24.00"		

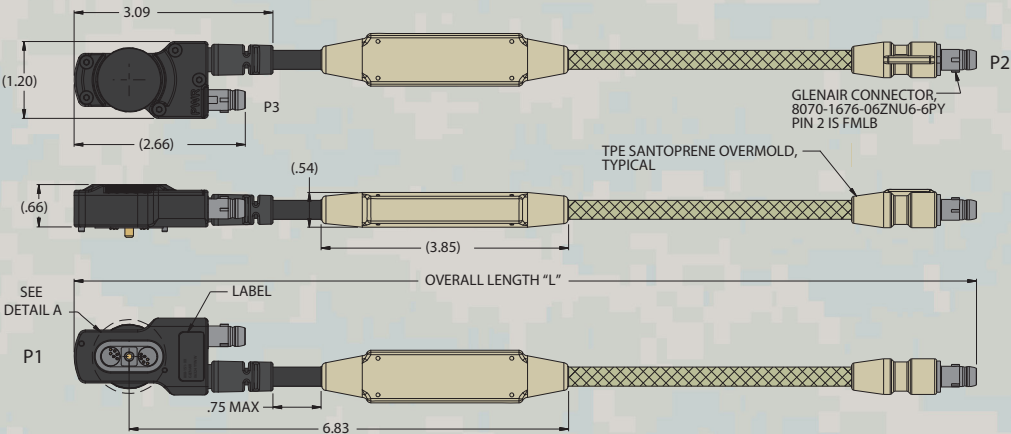


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

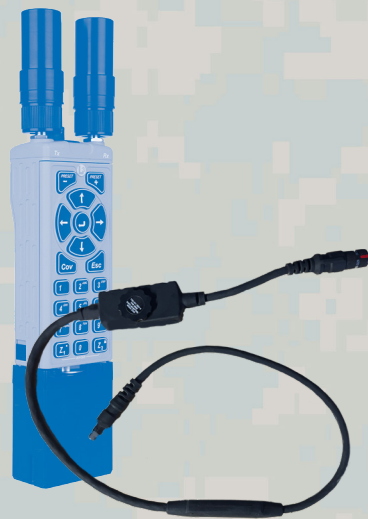
LIGHT, II, IV, AND VI

HUB PORT DESIGNATOR:  
PAN

RADIO POWER BOOST



Video Downlink, GPS, and Auxiliary Device Cables  
TS8-531 Tactical Net Rover cable with RPB and TAC-EYE Adapter (NG Compatible)



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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.
- For use with TS3-022 and TS1-037
- Weight, 24" cable, (consult factory)
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<b>Sample Part Number:</b>		<b>TS8-531</b>	<b>-28</b>
Cable Series	TNR Cable with RPB Option		
Length Designator	In inches <b>Omit for default length of 24.00"</b>		



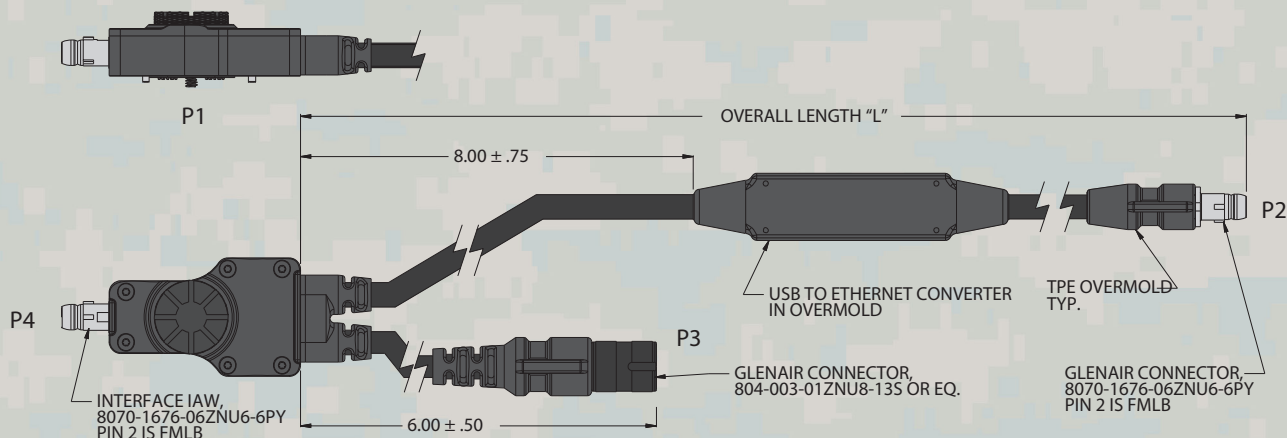
QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**

**RADIO POWER BOOST**





Video Downlink, GPS, and Auxiliary Device Cables  
TS1-037 cable for use with 808-151, 808-171, TS8-404 TNR cables (NG Compatible)

VIDEO / GPS AND AUXILIARY CABLES



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- For interconnection of 808-151 and TS8-404 TNR cables
- Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs, black.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Weight: 26g
- Mighty Mouse 807 (NATO standard) connector.

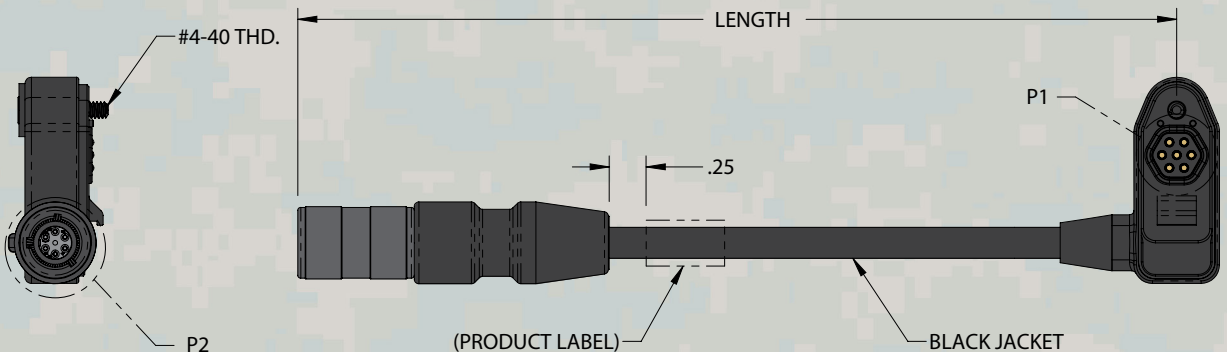
HOW TO ORDER

Sample Part Number:		TS1-037	-4
Cable Series	Adapter cable for TNR cables		
Length Designator	In inches		
	Default length is 5.50". Use -4 for optimized compatibility with TNR cables		



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

RADIO POWER BOOST



## Video Downlink, GPS, and Auxiliary Device Cables

### 808-224 StrikeHawk Digital Cable (NG Compatible)

VIDEO / GPS AND AUXILIARY CABLES



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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 P2 peripheral device connector.
- Weight, 24" cable: 100g
- Export classification: ECCN 3A611.x

#### HOW TO ORDER

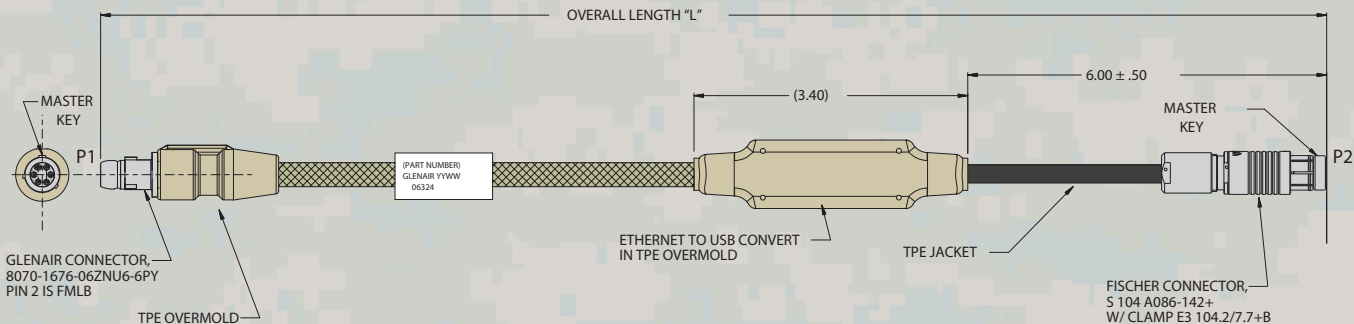
<b>Sample Part Number:</b>		<b>808-224</b>	<b>-28</b>
Cable Series	StrikeHawk Digital cable		
Length Designator	In inches <b>Omit for default length of 24.00"</b>		



QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:  
**PAN**





Video Downlink, GPS, and Auxiliary Device Cables  
TS8-424 Remote Secure Receiver-to-PAN Port Cable (NG Compatible)

VIDEO / GPS AND AUXILIARY CABLES



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connector and P1 RSR peripheral connectors
- Weight: 74g
- Export classification: ECCN 3A611.x

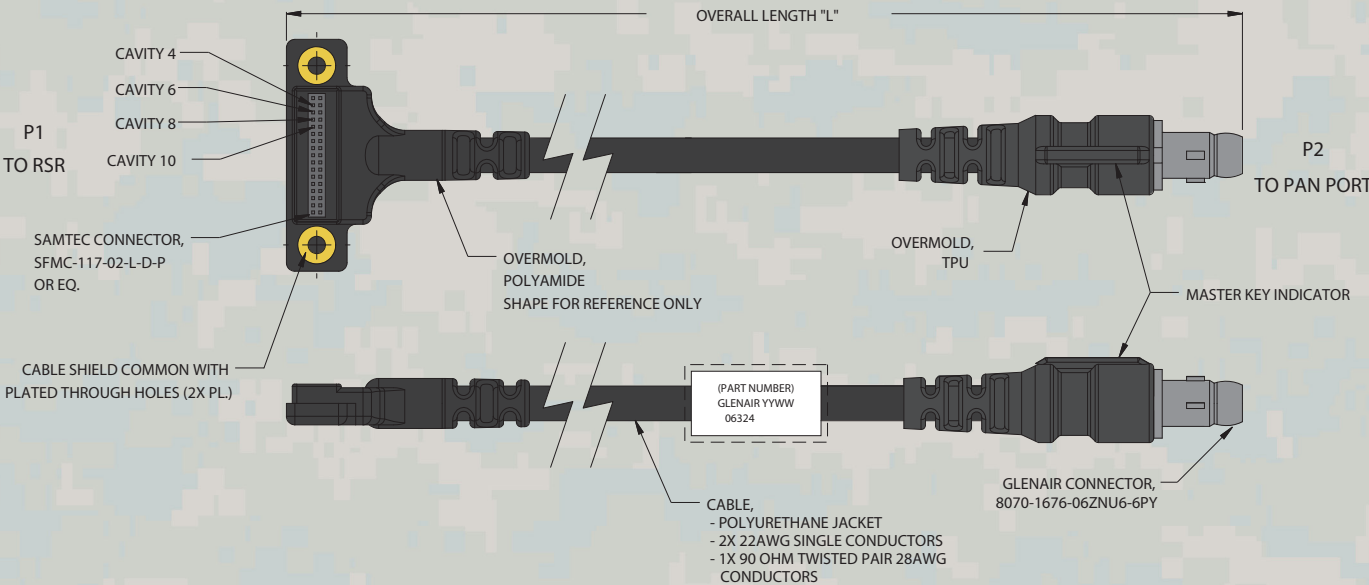
HOW TO ORDER

Sample Part Number:	TS8-424	-40
Cable Series	Remote Secure Receiver to PAN Port cable	
Length Designator	In inches. Minimum length 24", maximum 180" Omit for default length of 30.00"	



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

HUB PORT DESIGNATOR:  
PAN



## Video Downlink, GPS, and Auxiliary Device Cables

### TS8-467 Teledyne FLIR BH3 Hangar cable, Power and Data (NG Compatible)



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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) connector and P1/P2 peripheral connectors
- Weight: 101g
- Export classification: ECCN 3A611.x

#### HOW TO ORDER

Sample Part Number:	TS8-467	-24
Cable Series	Teledyne FLIR BH3 Hangar cable	
Length Designator	In inches Omit for default length of 34.00"	

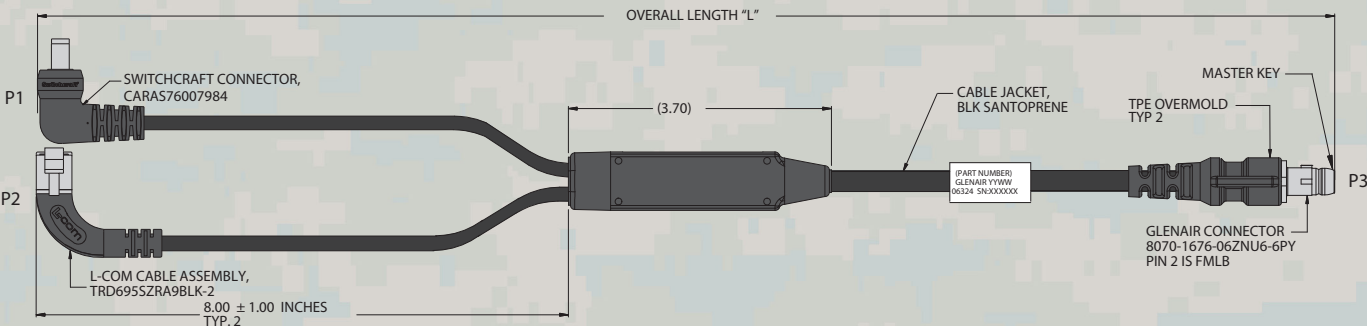


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





Video Downlink, GPS, and Auxiliary Device Cables  
TS3-072 MOHOC IP Camera Cable (NG Compatible)

VIDEO / GPS AND AUXILIARY CABLES



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- TPE jacketed cable, black
- Overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connectors
- Weight: 76g
- Export classification: ECCN 3A611.x

HOW TO ORDER

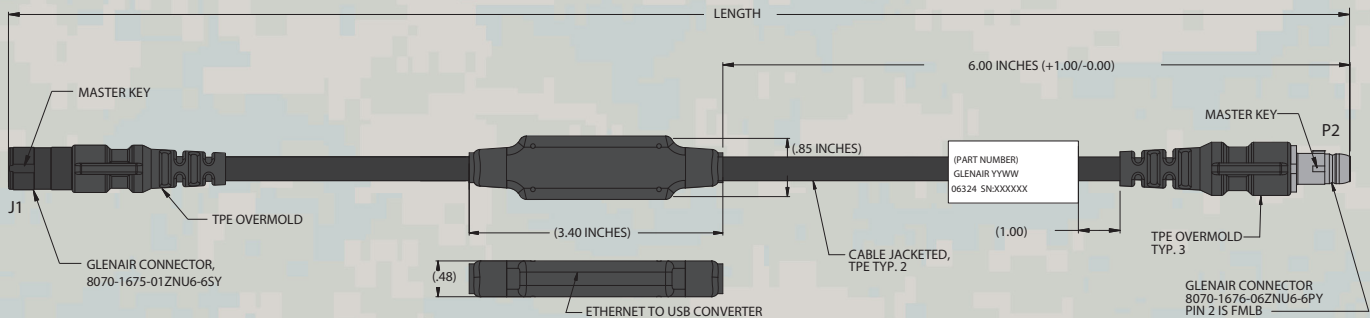
Sample Part Number:		TS3-072	-18
Cable Series	Remote Secure Receiver to PAN Port cable		
Length Designator	In inches. Omit for default length of 24.00"		



QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

LIGHT, II, IV, AND VI

HUB PORT DESIGNATOR:  
PAN



# BATTLE-TESTED STAR-PAN™

## Host/EUD cables and adapters



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

Part No.	Description	Page No.
<a href="#">TS1-020</a>	USB-C Juggernaut OPRTR Case adapter cable	90
<a href="#">TS1-048</a>	USB Type-C Adapter	91
<a href="#">TS3-003</a>	Panasonic® FZ-M1 Voltage-Regulated Adapter Cable	92
<a href="#">TS1-095</a>	6P7 Receptacle-to-Receptacle cable	93
<a href="#">TS1-096</a>	6P7 Plug-to-Plug cable	94
<a href="#">TS1-034</a>	USB-C Host Mode Adapter	95
<a href="#">TS1-009</a>	USB-C Charge Adapter	96
<a href="#">808-259</a>	Gender Changer Adapter (plug connectors)	97
<a href="#">808-260</a>	Gender Changer Adapter (receptacle connectors)	98
<a href="#">TS1-106</a>	USB-C to Mighty Mouse-Interfaced Device Cable	99



Host/EUD Cables, Adapters, and Accessories  
TS1-020 USB-C Juggernaut OPRTR Case Adapter Cable (NG Compatible)

HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- Black jacketed and overmolded cable
- Mighty Mouse 807 (NATO standard) connector and USB-C connector
- Weight: 48g
- Export classification: EAR99

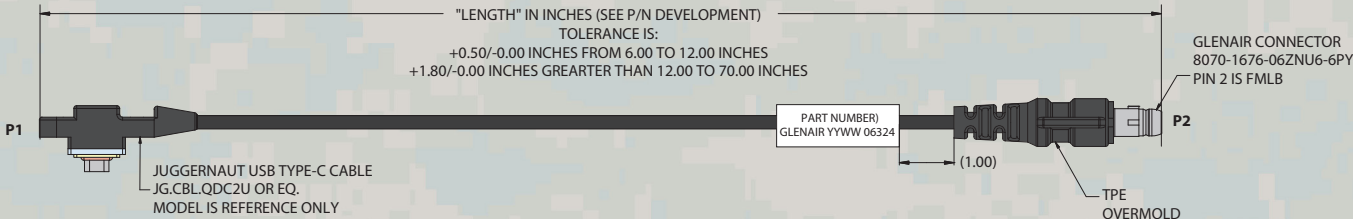
HOW TO ORDER

Sample Part Number:		TS1-020	-XX
Adapter Series	USB-C Juggernaut OPRTR Case adapter cable		
Length Designator	Specify in inches from 6" to 70" Omit for Default Length of 19"		

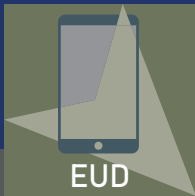


QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
EUD



BATTLE-TESTED  
**STAR-PAN™ NG**



Host/EUD Cables, Adapters, and Accessories  
TS1-048 USB Type-C Adapter



**SPECIFICATIONS**

- Black jacketed and overmolded cable
- Mighty Mouse 807 (NATO standard) connector and USB-C connector
- Weight: 53g
- Export classification: EAR99

**HOW TO ORDER**

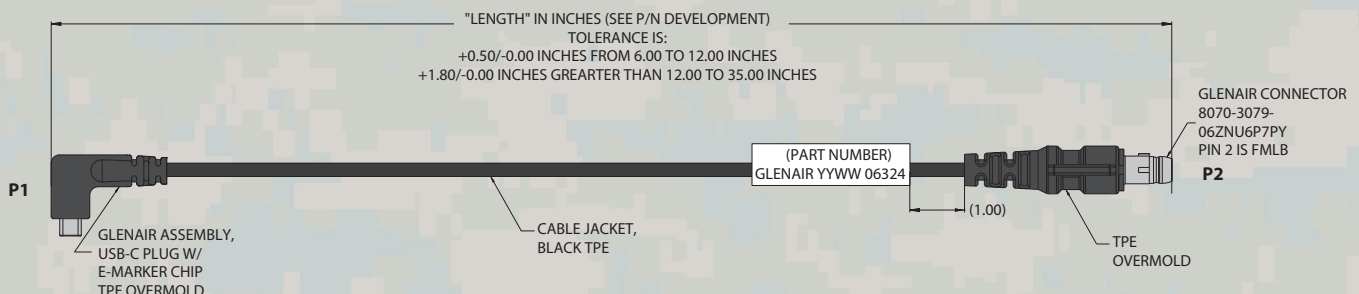
<b>Sample Part Number:</b>		<b>TS1-048</b>	<b>-XX</b>
Adapter Series	USB Type-C Adapter		
Length Designator	Cable length ranges from 6.00" to 35.00" <b>Omit for default length of 24.00"</b>		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**EUD**

HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES





Host/EUD Cables, Adapters, and Accessories  
TS3-003 Panasonic® FZ-M1 Voltage-Regulated Adapter Cable (NG Compatible)

HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- For interconnection of End User Device to STAR-PAN power / data hubs
- Aluminum alloy housing, black zinc-nickel finish.
- Santoprene jacketed cable, black
- Ergonomic santoprene connector strain reliefs
- Mighty Mouse 807 (NATO standard) connector
- Weight: 137g
- Export classification: 3A611.x

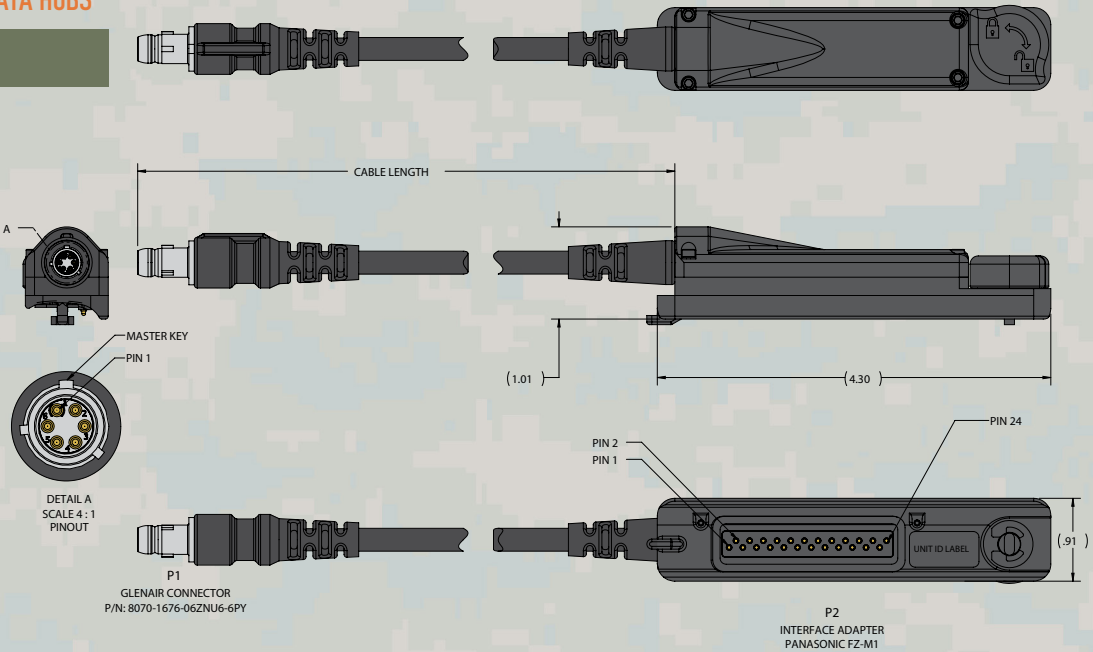
HOW TO ORDER

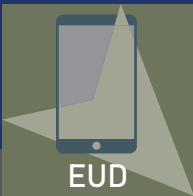
<b>Sample Part Number:</b>		<b>TS3-003</b>	<b>-36</b>
Adapter	FZ-M1 Voltage-Regulated Adapter Cable		
Length	In inches. Maximum 48.00" <b>Omit for default length of 24.00"</b>		
5V Output Option	Omit = <b>5V output from tablet</b> <b>-1</b> = No 5V output		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
EUD





Host/EUD Cables, Adapters, and Accessories  
TS1-095 6P7 Receptacle-to-Receptacle Cable (NG Compatible)



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- For interconnection of End User Devices to STAR-PAN power / data hubs
- Polyurethane jacketed cable, black
- TPE overmolded, ergonomic connector strain reliefs, black.
- Weight: 64g
- Mighty Mouse 807 (NATO standard) connectors

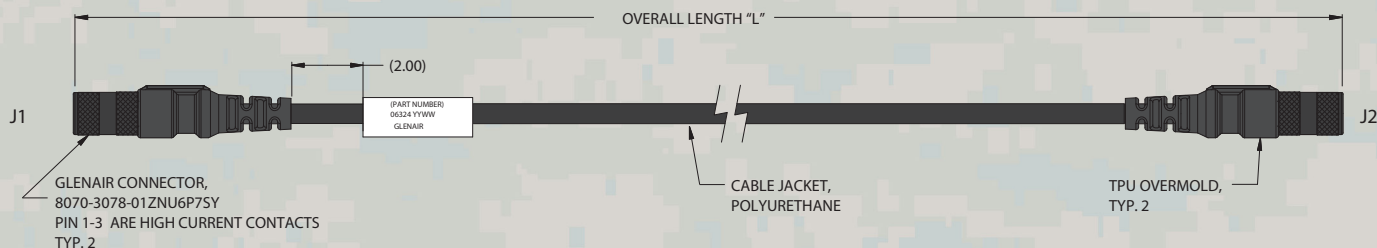
**HOW TO ORDER**

<b>Sample Part Number:</b>		<b>TS1-095</b>	<b>-36</b>
Adapter Series	6P7 Receptacle-to-Receptacle cable		
Length Designator	In inches. <b>Omit for default length of 24.00"</b>		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**EUD**





Host/EUD Cables, Adapters, and Accessories  
TS1-096 6P7 Plug-to-Plug Cable (NG Compatible)

HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- For interconnection of End User Devices to STAR-PAN power / data hubs
- Polyurethane jacketed cable, black
- TPE overmolded, ergonomic connector strain reliefs, black.
- Weight: 59g
- Mighty Mouse 807 (NATO standard) connectors

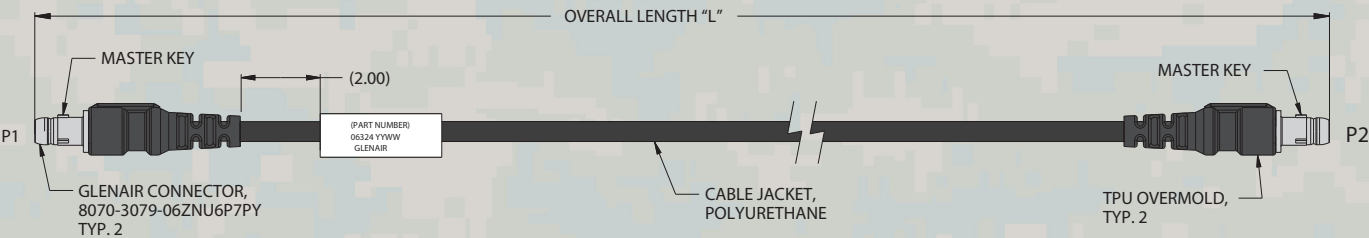
HOW TO ORDER

Sample Part Number:		TS1-096	-36
Adapter Series	6P7 Plug-to-Plug cable		
Length Designator	In inches. Omit for default length of 24.00"		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
EUD





## Host/EUD Cables, Adapters, and Accessories TS1-034 USB-C Host Mode Adapter (NG Compatible)



### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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

### HOW TO ORDER

#### Part Number:

**TS1-034**

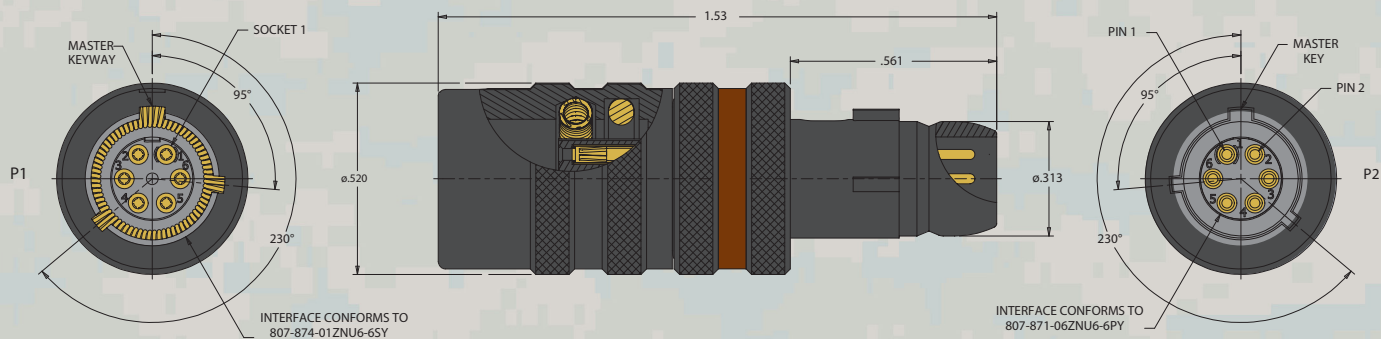
#### Connector Adapter

STAR-PAN USB-C Host Mode Adapter Connector,  
5.1Kohm resistor for direct tether



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**EUD**





Host/EUD Cables, Adapters, and Accessories  
TS1-009 USB-C Charge Adapter (NG Compatible)

HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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

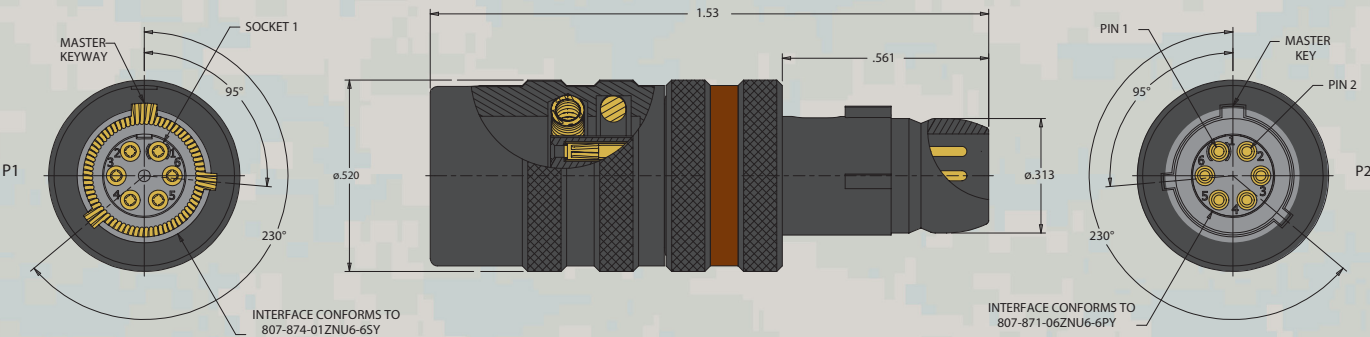
HOW TO ORDER

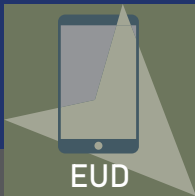
Sample Part Number:		TS1-009	-1
Adapter Series	USB C Charge Adapter		
Resistor Option	Omit = 22 k $\Omega$ (default)		
	-1 = 56k $\Omega$		
	-2 = 10k $\Omega$		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
EUD





Host/EUD Cables, Adapters, and Accessories

808-259 Gender Changer Adapter (Plug Connectors) (NG Compatible)



SPECIFICATIONS

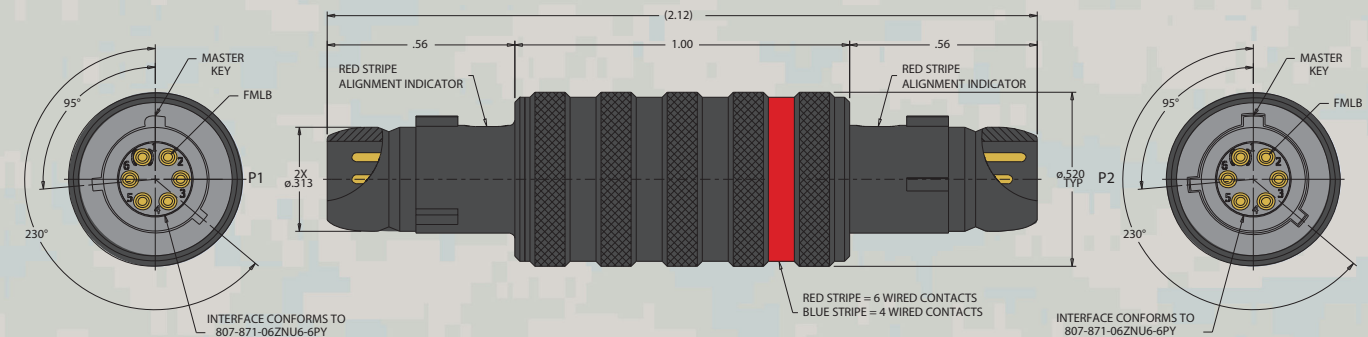
- STAR-PAN+ with NG compatibility
- For gender-change conversion of STAR-PAN power / data hub ports
- Aluminum, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) plug connectors
- Weight: 11g
- Export classification: EAR99

HOW TO ORDER

<b>Sample Part Number:</b>		<b>808-259-6</b>	<b>-6</b>
Adapter Series	Gender Changer Adapter		
No. of Wired Contacts	-4 = Four Wired Contacts (default) -6 = Six Wired Contacts		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS



Host/EUD Cables, Adapters, and Accessories  
808-260 Gender Changer Adapter (Receptacle Connectors) (NG Compatible)

HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES



SPECIFICATIONS

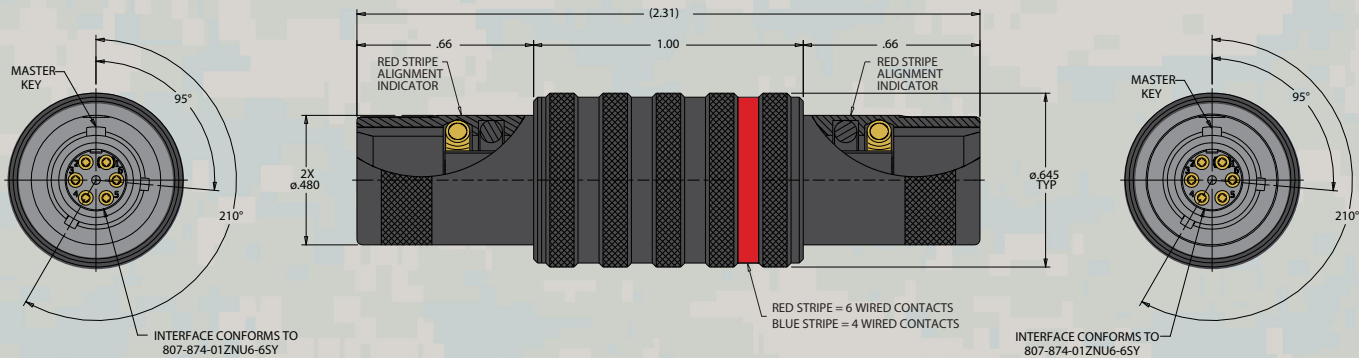
- STAR-PAN+ with NG compatibility
- For gender-change conversion of STAR-PAN power / data hub ports
- Aluminum, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) receptacle connectors
- Weight: 11g
- Export classification: EAR99

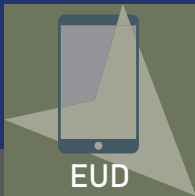
HOW TO ORDER

<b>Sample Part Number:</b>		<b>808-260-6</b>	<b>-6</b>
Adapter Series	Gender Changer Adapter		
No. of Wired Contacts	-4 = Four Wired Contacts (default) -6 = Six Wired Contacts		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS





Host/EUD Cables, Adapters, and Accessories  
TS1-106 USB-C to Mighty Mouse-Interfaced Device Cable (NG Compatible)

**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- TPE overmolded cable, black
- TPE overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connector and USB-C connector
- Weight: 26g
- Export classification: EAR99

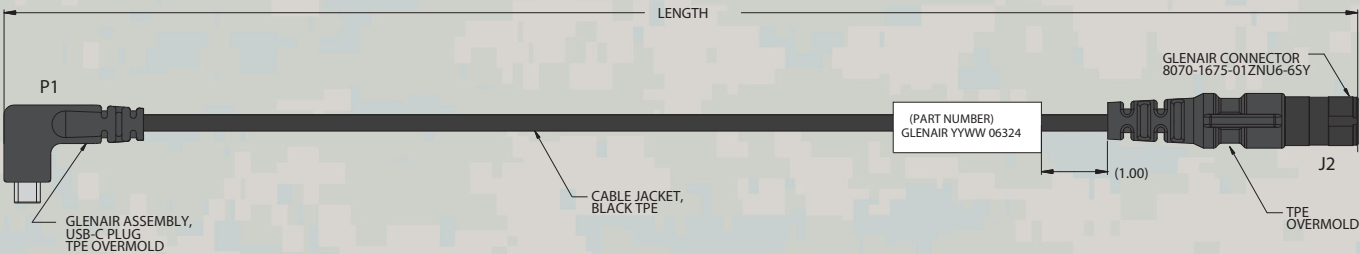
**HOW TO ORDER**

<b>Sample Part Number:</b>		<b>TS1-106</b>	<b>-12</b>
Cable Series	STAR-PAN IV Radio Adapter		
Length	In inches, from 6.00 to 35.00. <b>Omit for default length of 8.00"</b>		



QUALIFIED FOR USE WITH  
STAR-PAN NG POWER / DATA HUBS

HUB PORT DESIGNATOR:  
**EUD**





# BATTLE-TESTED STAR-PAN™ NG

Commercial protocol cables  
and adapters

## COMMERCIAL PROTOCOL CABLES, ADAPTERS, AND ACCESSORIES

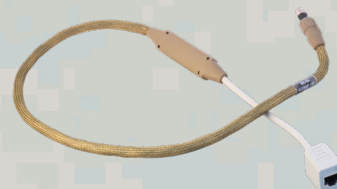
Part No. / Description	Page No.
<b>808-079</b> USB Type A Cable	101
<b>808-145</b> USB Type A EUD Cable	102
<b>808-053</b> PAN Port to USB-A Cable	103
<b>808-111</b> On-The-Go USB Adapter Cable	104
<b>TS3-033</b> DB-9 RS-232 Cable	105
<b>808-078</b> RJ45 Plug Cable	106
<b>808-084</b> RJ45 Receptacle Cable	107



**USB-A host adapter cable  
(without power)**



**PAN device to USB-A  
Receptacle Adapter Cable**



**Ethernet converter cable,  
RJ45 receptacle**



Commercial Protocol Cables, Adapters, and Accessories  
808-079 USB Type A Cable (NG Compatible)



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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 USB-A connector
- Weight, 18" cable: 26g
- Export classification: 3A611.x

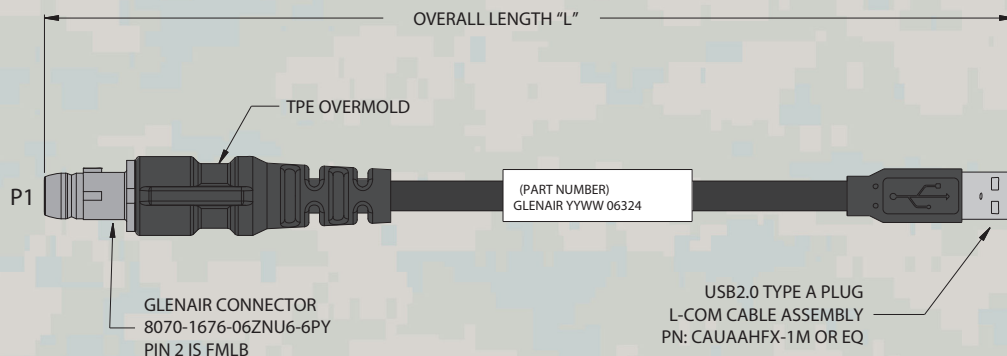
**HOW TO ORDER**

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



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

COMMERCIAL PROTOCOL CABLES AND ADAPTERS





Commercial Protocol Cables, Adapters, and Accessories  
808-145 USB Type A EUD Cable (NG Compatible)

COMMERCIAL PROTOCOL CABLES AND ADAPTERS



SPECIFICATIONS

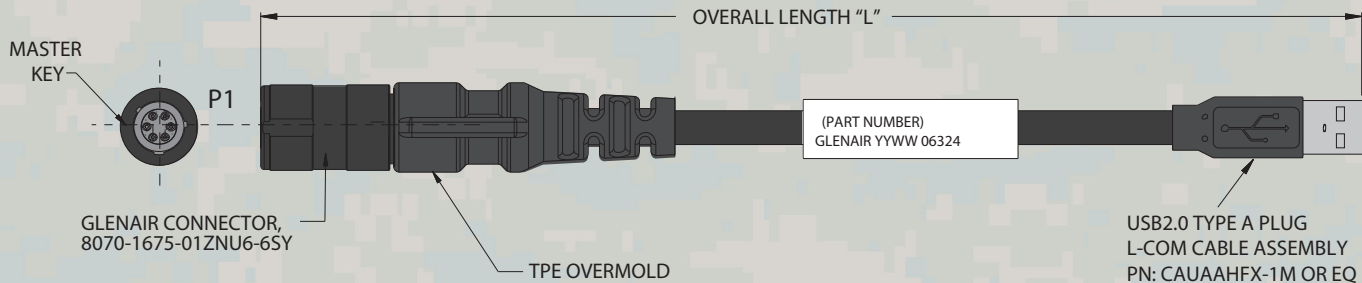
- STAR-PAN+ with NG compatibility
- USB Type A EUD cable
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain relief, black.
- Mighty Mouse 807 (NATO standard) connector and USB-A connector
- Weight, 18" cable: 26g
- Export classification: 3A611.x

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"		



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





Commercial Protocol Cables, Adapters, and Accessories  
808-053 PAN Port to USB-A Cable (NG Compatible)



**SPECIFICATIONS**

- STAR-PAN+ with NG compatibility
- 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

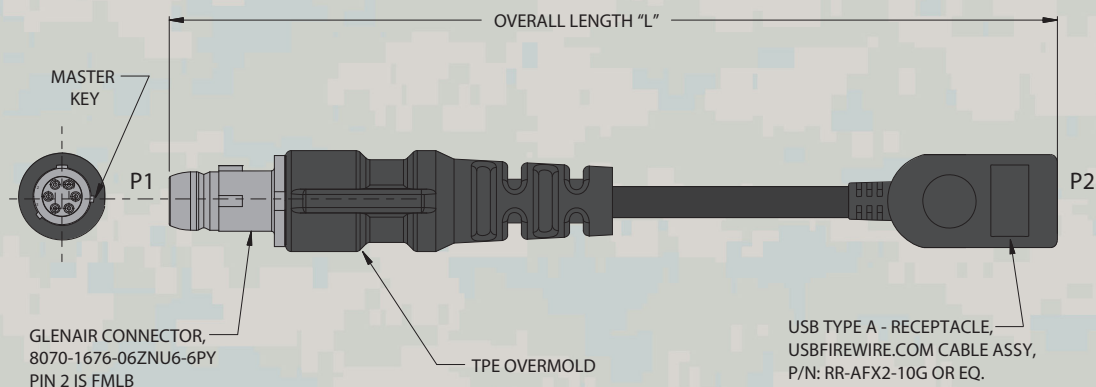
**HOW TO ORDER**

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



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

HUB PORT DESIGNATOR:  
**PAN**





Commercial Protocol Cables, Adapters, and Accessories  
808-111 On-The-Go USB Adapter Cable (NG Compatible)

COMMERCIAL PROTOCOL CABLES AND ADAPTERS



SPECIFICATIONS

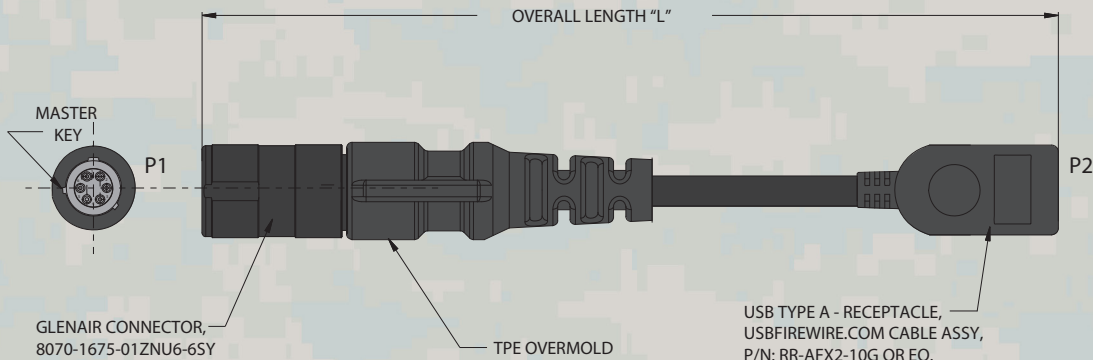
- STAR-PAN+ with NG compatibility
- USB type A receptacle adapter cable
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain reliefs, black.
- Mighty Mouse 807 (NATO standard) connector and USB-A connector
- Weight: 20g
- Export classification: 3A611.x

HOW TO ORDER

Sample Part Number:		808-111	-12
Cable Series	OTG USB Adapter Cable		
Length Designator	In inches. Omit for default length of 5.00"		



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





## Commercial Protocol Cables, Adapters, and Accessories

### TS3-033 DB-9 RS-232 Cable (NG Compatible)



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- RS-232 converter cable with DB9 connector
- Polyurethane jacketed cable, black
- TPU overmolded, ergonomic connector strain relief, black.
- Mighty Mouse 807 (NATO standard) connector and RS-232 connector
- Weight, 24" cable: 88g
- PAN RS-232 to USB

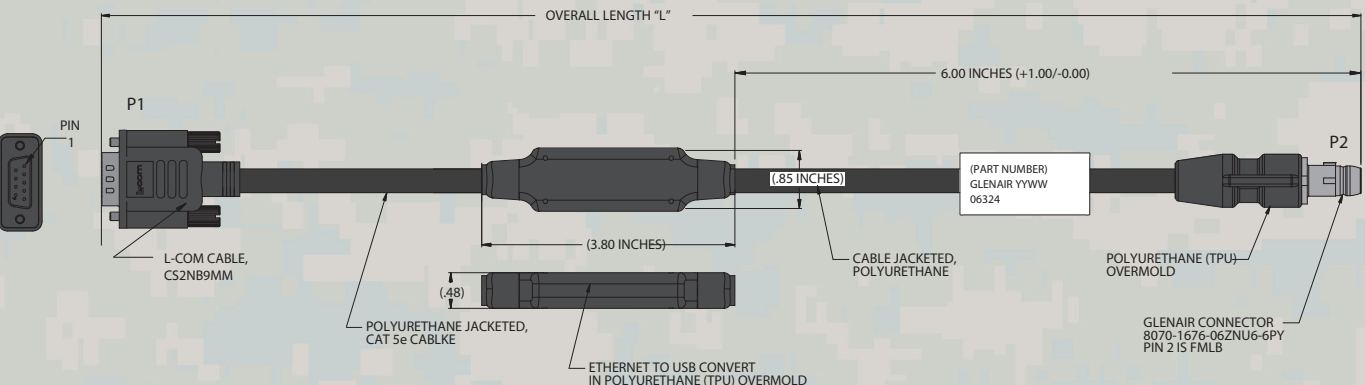
#### HOW TO ORDER

<b>Sample Part Number:</b>		<b>TS3-033</b>	<b>-32</b>
<b>Cable Series</b>	DB-9 RS-232 Cable		
<b>Length Designator</b>	In inches. <b>Omit for default length of 24.00"</b>		



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

HUB PORT DESIGNATOR:  
**PAN**





Commercial Protocol Cables, Adapters, and Accessories  
808-078 RJ45 Plug Cable (NG Compatible)

COMMERCIAL PROTOCOL CABLES AND ADAPTERS



SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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 RJ45 connector
- Weight, 24" cable: 80g
- Export classification: 3A611.x

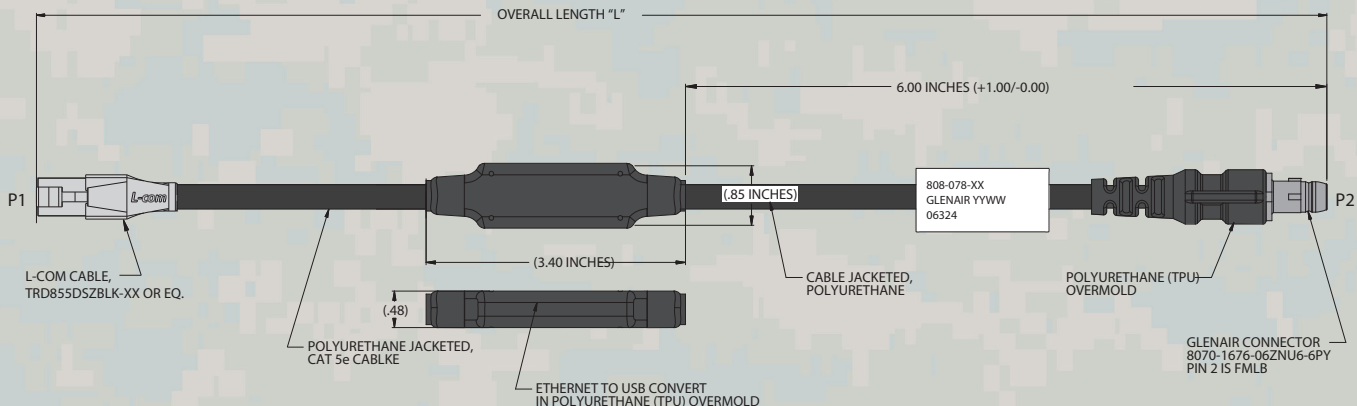
HOW TO ORDER

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



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

HUB PORT DESIGNATOR:  
PAN





## Commercial Protocol Cables, Adapters, and Accessories

### 808-084 RJ45 Receptacle Cable (NG Compatible)



#### SPECIFICATIONS

- STAR-PAN+ with NG compatibility
- 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 RJ45 connector
- Weight, 30" cable: 94g
- Export classification: 3A611.x

#### HOW TO ORDER

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

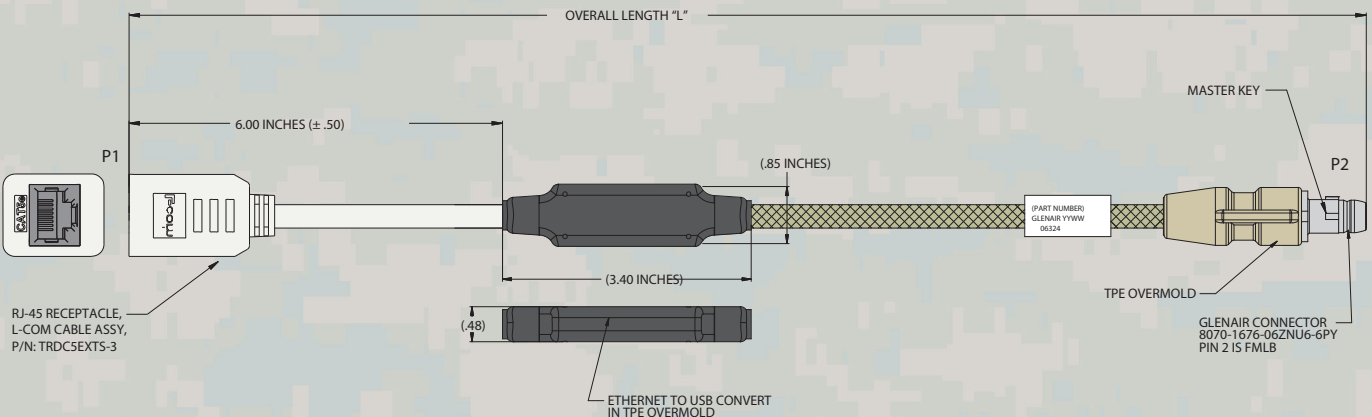


QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS

**LIGHT, II, IV, AND VI**

HUB PORT DESIGNATOR:

**PAN**





# *PUSH-PULL QDC* **Nett Warrior Power and Data Connectors**

**Series 807 Mighty Mouse NW  
micro-miniature connectors for  
dismounted soldier battery charging, radio, and  
PAN applications**

Today's warfighters demand quick battery charging and reliable radio operation. Glenair pioneered the original 6-pin Nett Warrior connector, as well as a second-generation 7-pin series with USB-C power integration and delivery. Now Glenair is introducing a signature 10 Amp Crown Ring contact-equipped version for higher-current applications that easily integrates into US / NATO, Nett Warrior, and STAR-PAN hub and cable systems. Contacts are capable of carrying 10 amps of current across 3 separate channels with less than 30°C of temperature rise. Electrical resistance remains consistent across 2000 mating cycles. Best of all, Glenair has integrated the new 10 Amp contact connectors into our next-generation STAR-PAN NG platform, ensuring intelligent, system-wide handling of warfighter electronic equipment—for both 10 Amp-capable devices as well as lower-power legacy hardware.

Glenair STAR-PAN NG hubs and cables—now equipped with 10 Amp Crown Ring contact receptacles—are smart devices capable of managing next-generation high-power equipment as well as lower-power legacy devices.

## **SERIES 807 MIGHTY MOUSE NW CONNECTOR LINE**

All designs backward-compatible with current and legacy Nett Warrior hardware

- **Original 6-pin Nett Warrior plugs and receptacles**
- **Backward-compatible 7-pin series with USB-C power integration and delivery**
- **New 10 Amp receptacles for higher-current soldier battery, radio, and PAN C5ISR equipment**



# Nett Warrior Connectors



For STAR-PAN hub systems, Nett Warrior C5ISR Hardware,  
Next-Gen and Legacy Radios and Batteries



QUALIFIED FOR USE WITH  
ALL STAR-PAN AND STAR-PAN NG  
POWER / DATA HUBS

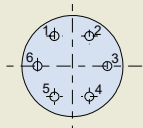


Glenair Signature Mighty Mouse  
807 NW connectors are available in  
pigtail and point-to-point cables for  
all US/NATO soldier C5ISR devices.

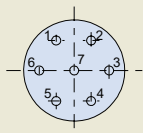
## MATERIALS / FINISH

- Shell: Aluminum alloy / ZNU plated
- Contacts: Cu alloy / Au plated
- Insulators: Rigid dielectric
- O-rings: Fluorosilicone

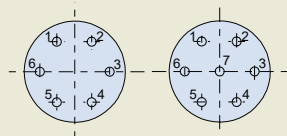
### Series 807 NW Nett Warrior Connector Insert Arrangements



Original NSN-Listed 6-Pin  
(Nett Warrior Program)



7-Pin USB-C Power Series  
NATO STANAG 4695 Approved



10-Amp STAR-PAN NG Series  
6-6 and 6-7 Arrangements

## SERIES 807 MIGHTY MOUSE NW CONNECTOR LINE: HOW-TO-ORDER



In-line  
cable plug



Panel-  
mount  
plug



In-line cable  
receptacle



Panel-  
mount  
receptacle

Series 807 NW Plugs (6 pin)	Crimp	PC Tail	Solder Cup	In-Line	Rear Mount Jam Nut	Front Mount Jam Nut
8070-1676-06ZNU6-6PY	X			X		
807-871-06ZNU6-6PY	X			X		
807-309-06ZNU6-6PY			X	X		
8070-1153-07ZNU6-6EC			X		X	
8070-1153-07ZNU6-6PC		X			X	
8070-1153-00ZNU6-6EC			X			X
8070-1153-00ZNU6-6PC		X				X
Series 807 NW Receptacles (6 socket)	Crimp	PC Tail	Solder Cup	In-Line	Rear Mount Jam Nut	Front Mount Jam Nut
8070-1675-01ZNU6-6SY	X			X		
8070-1675-07ZNU6-6SY	X				X	
8070-1675-00ZNU6-6SY	X					X
807-874-01ZNU6-6SY	X			X		
807-874-00ZNU6-6SY	X					X
807-874-07ZNU6-6SY	X				X	
807-348-01ZNU6-6SY			X	X		
807-216-07ZNU6-6SY			X		X	
807-216-01ZNU6-6SY			X	X		
807-216-00ZNU6-6SY			X			X
807-216-07ZNU6-6DY		X			X	
807-216-01ZNU6-6DY		X		X		
807-216-00ZNU6-6DY		X				X
Series 807 NW Plugs (7 pin)	Crimp	PC Tail	Solder Cup	In-Line	Rear Mount Jam Nut	Front Mount Jam Nut
8070-1676-06ZNU6-7PY	X			X		
807-871-06ZNU6-7PY	X			X		
Series 807 NW Receptacles (7 socket)	Crimp	PC Tail	Solder Cup	In-Line	Rear Mount Jam Nut	Front Mount Jam Nut
8070-1675-01ZNU6-7SY	X			X		
8070-1675-07ZNU6-7SY	X				X	
8070-1675-00ZNU6-7SY	X					X
807-874-01ZNU6-7SY	X			X		
807-874-00ZNU6-7SY	X					X
807-874-07ZNU6-7SY	X				X	
8070-1299-ZNU6-7DY		X				X
Series 807 NW Receptacles (10 Amp)	Pigtail Assembly	PC Tail	Solder Cup	In-Line	Rear Mount Jam Nut	Front Mount Jam Nut
8071-6924	X			X		
8070-3151-07ZNU6-6SY		X			X	

TURNKEY  
MIL-AERO/DEFENSE  
WIRE AND CABLE  
INTERCONNECT  
ASSEMBLIES



Military / Aerospace-Grade  
Wire Harnesses and Complex  
Multibranch Cable Assemblies  
Built with Glenair Signature  
Wire and Multiconductor Cable



**MIL-STAR**  
HIGH-PERFORMANCE HOOKUP WIRE AND CABLE

AEROSPACE-GRADE  
**SuperFlex**  
PCB/FLEX CIRCUIT ASSEMBLIES

**SpeedLine**  
High-Speed Protocol Cables

BLUMARK **RF**  
COAX CABLES

**FIBER KING**  
FIBER OPTIC CABLES

**turboflex**  
THE ULTRA FLEXIBLE RUGGED POWER CABLE

Glenair is laser-focused on supplying our military, aerospace, and defense customers with harsh-environment interconnect assemblies built from Glenair MIL-STAR™, SuperFlex™, BluMark RF™, SpeedLine™, TurboFlex®, and FiberKing™ wire and cable.



Supplied in bulk—any length, with no minimum order quantity—or in fully-integrated and connectorized assemblies, Glenair wire and cable brands are optimized for the highest performance in mil-aero / defense applications.

#### FAST DELIVERY AND QUALITY SINCE 1956

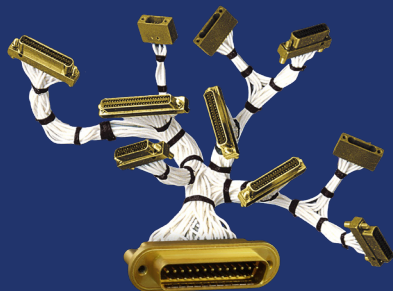
- 3.5 million square feet factory capacity
- Mission-critical sea, air, land, and space interconnect product focus
- Vertically-integrated, all key processes controlled in-house
- Massive inventory of material, component parts, and finished goods
- Glenair worldwide QMS: AS9100D SAE / ISO 9001 certified, and customer-audited

MIL-AERO / DEFENSE GRADE

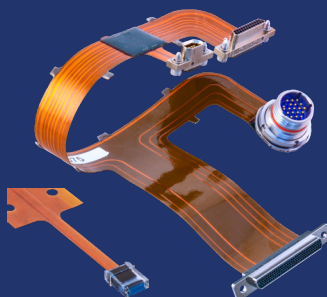
# Mission-critical wire harnesses and interconnect assemblies: built in-house with 100% Glenair wire, cable, contacts, and connectors



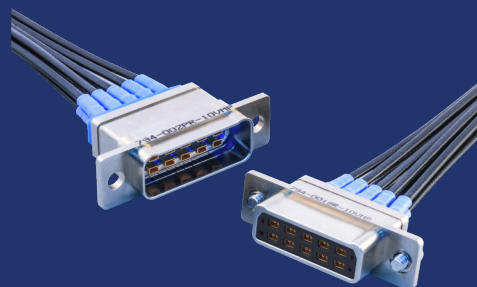
## HIGH-SPEED, HIGH-FREQUENCY, HIGH-POWER · ELECTRICAL, OPTICAL, RF, AND FLEX



**MIL-STAR™** “better-than-QPL” wire interconnect assemblies



**SuperFlex™** integrated PCB flex, rigid flex, and optical flex assemblies



**SpeedLine™** high-speed protocol datalink assemblies



**BluMark RF™** high-frequency, low-loss coax assemblies



**FiberKing™** harsh-environment and inside-the-box optical assemblies



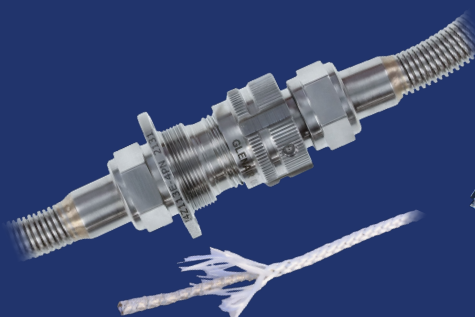
**TurboFlex®** high power, high flexibility cable assemblies

## SPECIALTY ENVIRONMENTAL ASSEMBLIES BUILT WITH GLENAIR SIGNATURE WIRE AND CABLE

In addition to conventional land, sea, air, and space interconnect assemblies with overbraiding and overmolding, Glenair is able to supply all of our signature wire and cable brands in specialty harness designs optimized for ultra-harsh environments including high-pressure subsea, high-heat and cryogenics, and space.



High-pressure subsea (Mil-qualified and commercial Oil & Gas industry) 10K PSI electrical and optical cable assemblies



Ultra High Temperature and Cryogenic (ThermaRex™) wired cable assemblies



Space-grade EMI shielded and open-wire bundle assemblies built in ISO 8 and ISO 6 clean rooms

# 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 NAVSEA and the Defense Logistic Agency of the US government. These certification exercises are multi-year activities that test every aspect of an interconnect component’s performance.



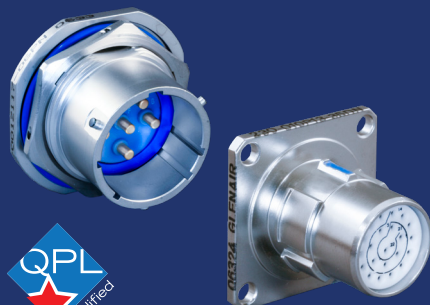
MIL-DTL-38999 Series III  
Environmental Connectors



MIL-DTL-38999 Series IV  
Environmental Connectors



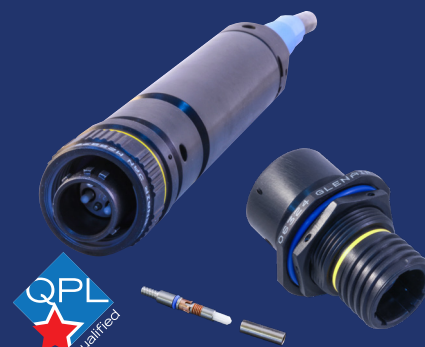
MIL-DTL-28840 Shipboard  
Connectors and Accessories



MIL-DTL-38999 Series I, II, III, and IV  
Hermetic Connectors



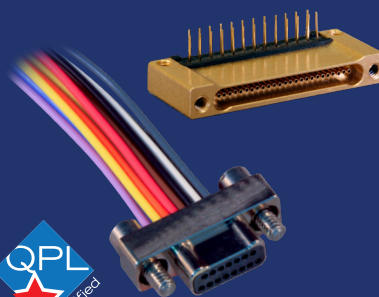
MIL-DTL-24308  
Hermetic Connectors



MIL-DTL-28876  
Shipboard Fiber Optic



MIL-DTL-83513 Micro-D  
Connectors and Accessories



MIL-DTL-32139 Nanominiature Connectors  
and Accessories



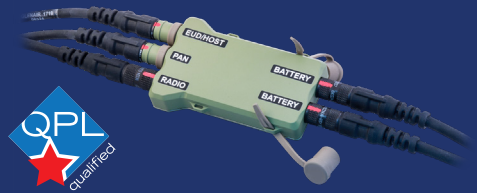
MIL-DTL-29504 Fiber Optic Termini and  
AS39029 Electrical Contacts



MIL-DTL-55116 Radio / Audio Connectors



807 NW Nett Warrior  
Qualified Tactical Connectors



STAR-PAN Power / Data Hubs and  
Tactical Cordsets



M85049 (AS85049) Backshells and  
Connector Accessories



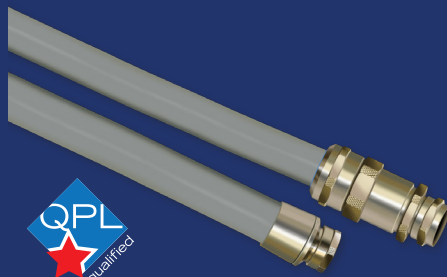
MIL-DTL-83723 Backshells and Connector  
Accessories



M81511 (AS81511) Protective Covers and  
Connector Accessories



M85049/140 TACOM-Approved and Navy-  
Qualified 5617649 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



# MISSION-CRITICAL INTERCONNECT SOLUTIONS

## Glenair, Inc.

1211 Air Way • Glendale, California • 91201-2497

Telephone: 818-247-6000 • Fax: 818-500-9912 • [sales@glenair.com](mailto:sales@glenair.com)

[www.glenair.com](http://www.glenair.com)

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### Glenair East

20 Sterling Drive  
Wallingford, CT  
06492

Telephone:  
203-741-1115  
Fax:  
203-741-0053  
[sales@glenair.com](mailto:sales@glenair.com)

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### Glenair UK Ltd

40 Lower Oakham Way  
Oakham Business Park  
Mansfield, Notts  
NG18 5BY England

Telephone:  
+44-1623-638100  
[sales@glenair.co.uk](mailto:sales@glenair.co.uk)

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### Glenair Microway Systems

7000 North Lawndale Avenue  
Lincolnwood, IL  
60712

Telephone:  
847-679-8833  
Fax:  
847-679-8849

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### Glenair Nordic AB

Gustav III:s Boulevard 42  
SE-169 27 Solna  
Sweden

Telephone:  
+46-8-50550000  
[sales@glenair.se](mailto:sales@glenair.se)

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### Glenair GmbH

Schaberweg 28  
61348 Bad Homburg  
Germany

Telephone:  
06172 / 68 16 0  
Fax:  
06172 / 68 16 90  
[info@glenair.de](mailto:info@glenair.de)

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### Glenair Iberica S.L.

Av. De Manoteras, 24 – 2º  
28050 Madrid  
Spain

Telephone:  
+34 915 562 687  
[sales@glenair.es](mailto:sales@glenair.es)

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### Glenair Italia S.p.A.

Via Del Lavoro, 7  
40057 Quarto Inferiore –  
Granarolo dell'Emilia  
Bologna, Italy

Telephone:  
+39-051-782811  
Fax:  
+39-051-782259  
[info@glenair.it](mailto:info@glenair.it)

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### Glenair France SARL

7, Avenue Parmentier  
Immeuble Central Parc #2  
31200 Toulouse  
France

Telephone:  
+33-5-34-40-97-40  
Fax:  
+33-5-61-47-86-10  
[sales@glenair.fr](mailto:sales@glenair.fr)

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### Glenair Korea

6-21Tapsil-ro 58beon-gil  
Giheung-gu, Yongin-si  
Gyeonggi-do  
Republic of Korea

Telephone:  
+82-07-5067-2437  
Fax:  
+82-504-375-4549  
[sales@glenair.kr](mailto:sales@glenair.kr)

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### Glenair Japan

40F, Nagoya Lucent Tower,  
6-1, Ushijima-cho,  
Nishi-ku, Nagoya, 451-6040  
Japan

Telephone:  
+81-52-569-2521  
Fax:  
+81-52-569-2523  
[sales@glenair.jp](mailto:sales@glenair.jp)