The Battle-Tested, Multiport USB Hub, Cable, and Power Management Solution from Glenair
Ruggedized soldier-worn electronics have revolutionized mission effectiveness. But the ongoing evolution of Digitally Aided Close Air Support (DACAS) missions, including precision targeting, ground and air radio communications, real-time video downlink, GPS/navigation, and personal area network computing has added significant mission weight to the dismounted soldier ensemble. Battery power management for this broad range of electronic gear is a significant challenge in terms of mission time, weight and supply logistics.

STAR-PAN™ data hubs and power distribution systems enable soldiers—from standard light infantry to Joint Terminal Attack Controllers (JTACs)—to make the most of C4ISR devices, improving situational awareness, surveillance, intelligence and reconnaissance while optimizing power monitoring and distribution performance.

Importantly, all STAR-PAN™ technologies—from the system’s high-density, NATO-standard Mighty Mouse QDC connectors and cables to the scalable range of low-profile hub enclosures—are designed for optimal size, weight, power, and ruggedness in military applications with battle-tested environmental and EMC performance.

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

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

STAR-PAN™ hubs support 2, 4, or 6 USB peripheral devices, radios, end-user host device (EUD), power supplies, and other mission-specific equipment. New 10-user Base Station X.

STAR-PAN MISSION MANAGER: DEVICE INTEGRATION AND MANAGEMENT

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

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 C4ISR CABLES

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

HOST / EUD CABLES AND ADAPTERS

End User Device and Host cables with Micro-B USB 2.0, Micro-B USB 3.0, and USB-C adapters are available for all popular EUD types.

COMMERCIAL PROTOCOL CABLES AND ADAPTERS

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

SOFT GOODS: MISSION KIT BAGS AND POUCHES

Rugged, MOLLE-compatible Mission Bag and Pouches for safe storage, organization, and transport of STAR-PAN™ system hubs, cables, and adapters.
Mighty Mouse 807: The NATO 4695 Standard

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

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

NATO 4695

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

Peripheral Device Interoperability

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

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

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## STAR-PAN Hub / Cable Assembly and Connectorized Hub

<table>
<thead>
<tr>
<th>STAR-PAN™ II Hub / Cable Assembly and Connectorized Hub</th>
<th>STAR-PAN™ IV</th>
<th>STAR-PAN™ VI</th>
<th>STAR-PAN™ X Base Station</th>
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## STAR-PAN Mission Manager

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## General Purpose STAR-PAN Cables

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<th>Cable Finish</th>
<th>ECCN / EAR</th>
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## STAR-PAN Radio Cables and Adapters

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### Hubs, cables, adapters, and accessories

#### STAR-PAN POWER CABLES AND BATTERY ADAPTERS

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#### STAR-PAN TARGETING CABLES AND ADAPTERS

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#### VIDEO / GPS POWER AND DATA CABLES

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<td>32”</td>
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### JTAC-TOUGH™ STAR-PAN™
#### Selection Guide
Hubs, cables, adapters, and accessories

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

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<thead>
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### COMMERCIAL PROTOCOL CABLES, ADAPTERS, AND ACCESSORIES

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### SOFT GOODS: MISSION KIT BAG AND POUCHES

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<td>TS4-001</td>
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Dimensions are subject to change without notice.

Rev: 02.22.22
STAR-PAN™ Power Distribution and Management Architecture

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

**Smart Power = Longer Missions and Lighter Loads**

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

**STAR-PAN EMBEDDED SYSTEM POWER MANAGEMENT**

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

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

- Primary power distribution supports dual hot-swappable battery inputs routed to PAN, EUD, and Radio ports
- USB power layer supports regulation of input battery power for distribution to USB 2.0 devices and radio “holdup power IN” functionality

**STAR-PAN POWER BOOSTER AND SUPPORTED BATTERIES**

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

**UNIVERSAL POWER AND DATA CONNECTOR INTERFACE**

The STAR-PAN system uses Glenair Mighty Mouse 807 connectors which are fully-compliant to U.S. and NATO standards for EUDs, radios, batteries, and C4ISR peripherals. Many soldier batteries can be directly connected to the STAR-PAN system without adapters using the general-purpose Mighty Mouse equipped C1 cable.
STAR-PAN™ Android / Windows Apps and ATAK Plug-In

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

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

An additional STAR-PAN app, the ATAK plug-in, integrates STAR-PAN battery and power management directly into ATAK (Android Team Awareness Kit), the leading DACAS software application used by the JTAC community. Familiar touch-screen controls and easy-to-read graphical user interface allows soldiers in the field to quickly and easily view and manage port priority, charge state, and system battery state for the STAR-PAN system and all interconnected peripherals.

- Android / Windows apps with seamless ATAK integration
- Independent port power management
- System battery state management
- API interface for software integration
- Power protection

JTAC-TOUGH™

STAR-PAN™

Android and Windows Power Management Apps and ATAK plug-in

STAR-PAN Android Remote (SPAR) Power Management App

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

- Root access not required
- Supports multiple connections via Android API
- Power logging feature
- Available with all hubs

Windows Application for STAR-PAN (WASP) Power Management App

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

- Touchscreen and mouse compatible
- Enables power management from Windows devices

STAR-PAN BMS Plug-Ins

STAR-PAN power management system status plug-ins are also available for Android Team Awareness Kit (ATAK) and Android Precision Assault Strike Suite (APASS) software. These plug-ins enable users to quickly monitor hub and battery status without leaving the main applications.

- Operate simultaneously with SPAR
- Allows for quick power management without switching applications

ATAK (left) and APASS (right) in action with STAR-PAN plug-ins
STAR-PAN™ Light

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

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

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

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

PERFORMANCE SPECIFICATIONS
Operating Conditions
- Storage Temperature: -40°C to +80°C
- Operating Temperature: -40°C to +55°C
- Operational Altitude: 9000 ft
- Storage Altitude: 15,240 ft
- Water Immersion, Mated: MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant

Host & PAN Battery Voltage: 10.0V to 20.0V, 14.8V typical
Battery Supply Current: 3.5A Maximum per individual port
5V USB Supply Voltage: 4.75V to 5.15V, 4.90V typical
5V USB Supply Current: 3A Maximum per individual port

Radio Port
- Battery Voltage: 10.0V to 20.0V, 14.8V typical
- Battery Supply Current: 5A maximum
- +5V Back Up Supply Current: 1.2A typical, based on radio supply, radio 1 primary
- +5V Back Up Supply Current: 0.5A per port
- USB +/USB -: -0.5V to +3.5V

Battery Port
- Battery Input Voltage: 10V to 20V
- Battery Supply Current: 5A maximum system supply current

TO ORDER
Sample Part Number:
- 808-054
- 808-058

STANDARD LENGTH: 24.00”

* Example compatible devices, not supplied by Glenair

808-054 version shown

OVERALL LENGTH “L”
12.00-INCHES (+1.00/-.00)
Supports soldier EUD/Host, Radio, and up to 2 USB peripheral devices with power monitoring and management for connected external peripherals, radio, and the soldier’s EUD/Host. STAR-PAN II is compatible with USB1.1, USB2.0 (full and high-speed), and SMBus protocols, and incorporates dual power input ports for extended missions or battery substitution, minimizing down time. All connector interfaces are compliant to the NATO STANAG 4695 standard for Soldier Power Connectors. Recommended: general purpose C1 cable for EUD, battery, and peripheral connectivity.

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

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

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

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

**PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>specification</th>
<th>value</th>
</tr>
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<tbody>
<tr>
<td><strong>Operating Conditions</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +85°C</td>
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<tr>
<td>Storage Temperature</td>
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<td>Storage Altitude</td>
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<td>Water Immersion, Mated</td>
<td>MIL-STD-810, Method 502, Im for 1hr, IP67 rated dust / water resistant</td>
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<tr>
<td>Host &amp; Pan</td>
<td></td>
</tr>
<tr>
<td>Battery Voltage</td>
<td>10.0V to 20.0V, 14.8V typical</td>
</tr>
<tr>
<td>Battery Supply Current</td>
<td>3.5A maximum per individual port</td>
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<tr>
<td>Battery Supply Total Current</td>
<td>5A total system</td>
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<tr>
<td>SMBus Voltage</td>
<td>4.5V to 5.1V, 4.0V typical</td>
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<tr>
<td>SMBus Supply Current</td>
<td>3A Maximum per individual port</td>
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<tr>
<td>Power Port</td>
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<tr>
<td>Battery Voltage</td>
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<tr>
<td>Battery Supply Current</td>
<td>3A Maximum per individual port</td>
</tr>
<tr>
<td>+5V Back Up Supply Current</td>
<td>1.2A typical, 5A max, based on radio supply, radio 1 primary</td>
</tr>
<tr>
<td>Battery Port</td>
<td></td>
</tr>
<tr>
<td>Battery Voltage</td>
<td>10.0V to 20.0V</td>
</tr>
<tr>
<td>Battery Supply Current</td>
<td>5A maximum system supply current</td>
</tr>
<tr>
<td>SMBus Supply</td>
<td>0.5V to +3.5V</td>
</tr>
<tr>
<td>STAR-PAN II PORT CONFIGURATION</td>
<td></td>
</tr>
</tbody>
</table>

**HOW TO ORDER**

**HUB / CABLE ASSEMBLY VERSION**

Sample Part Number: 808-057-1
Hub with Integrated Cables

**Sample Part Number:** 808-057-1
Hub with Integrated Cables

**Sample Part Number:** 808-194
STAR-PAN II 2 port power/data hub (NATO NSN: 819-81-691-2346)

**Dimensions are subject to change without notice.**

**STAR-PAN™ II**

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

**OVERVIEW**

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

**FEATURES**

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

**PAN APPLICATIONS**

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

**KEY FEATURES/BENEFITS**

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

**PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>specification</th>
<th>value</th>
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<tbody>
<tr>
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<td>Battery Voltage</td>
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<td>Battery Supply Current</td>
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<td>0.5V to +3.5V</td>
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</tbody>
</table>

**HOW TO ORDER**

**Sample Part Number:** 808-057-1
Hub with Integrated Cables

**Sample Part Number:** 808-194
STAR-PAN II 2 port power/data hub (NATO NSN: 819-81-691-2346)
### STAR-PAN™ II

**808-057-1 and 808-194 Configuration diagram**

2 port (expandable) power and data system

---

**STAR-PAN™ HUBS + ACCESSORIES**

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

---

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

---

**GLEN AIR STAR-PAN TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM**

<table>
<thead>
<tr>
<th>STAR-PAN Component Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>STAR-PAN™ Hub Multiport USB and Power Distribution Hub</td>
<td>808-057-1</td>
</tr>
<tr>
<td>STAR-PAN™ Expansion Cable</td>
<td>808-081</td>
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<tr>
<td>PRC 152A Radio Data Adapter</td>
<td>808-092</td>
</tr>
<tr>
<td>DAGR GPS/Navigation Cable</td>
<td>808-045</td>
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<tr>
<td>PLRF 15C/25C Laser Range Finder Cable</td>
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<tr>
<td>TacRover-P C/25C ISR Receiver Cable</td>
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<tr>
<td>TacRover-E ISR Receiver Cable</td>
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<tr>
<td>Tactical Net Rover ISR Receiver Cable</td>
<td>808-117</td>
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<tr>
<td>Radio Power Booster</td>
<td>808-043</td>
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<tr>
<td>Hand-Held Radio Battery Adapter</td>
<td>808-053</td>
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<tr>
<td>STAR-PAN™ II Quick-Start User’s Guide</td>
<td>808-057-1</td>
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<tr>
<td>BA5590/BB2590 Battery Shoe</td>
<td>808-048</td>
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<td>Radio Power Booster</td>
<td>808-043</td>
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<tr>
<td>STAR-PAN™ II Hub 808-194</td>
<td>808-047</td>
</tr>
</tbody>
</table>

---

**End User Device**

- Example compatible devices, not supplied by Glenair

---

**WARFIGHTER TOUGH**

**STAR-PAN™ II**

**808-057-1 and 808-194 Configuration diagram**

2 port (expandable) power and data system

---

**Warfighter Tough**

**STAR-PAN™ II**

2 port (expandable) power and data system

---

**Star-Pan™ Hubs + Accessories**

---

**Publish Date:** November 2020

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**STAR-PAN™ Pocket-Size Quick-Start User’s Guide**

---

**Dimensions:**

- Subject to change without notice.
WARFIGHTER TOUGH

STAR-PAN™ II

STAR-PAN II accessories
MOLLE pouch and clip

MOLLE POUCH SPECIFICATIONS
• Tan or Camouflage Cordura
• Single-button snap-lock for mounting on MOLLE loops
• Front loop Velcro securely retains STAR-PAN II hub

HOW TO ORDER
Sample Part Number: TS4-017 - T
STAR-PAN accessory
Hub specifier

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

HOW TO ORDER
Sample Part Number: TS4 - 007
STAR-PAN accessory
Hub specifier

JTAC-TOUGH™

STAR-PAN™ II

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

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

HOW TO ORDER
Sample Part Number: 808-047 - 36
Cable Series
Cable Jacket Option
Length Designator

808-081 STAR-PAN II expansion cable

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

HOW TO ORDER
Sample Part Number: 808-081
Cable Series
Length Designator

Dimensions are subject to change without notice.
STAR-PAN™ IV
Integrated USB data/power distribution hub for ground force commanders, UAS and UGV controllers, and other complex tactical mission specialists

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

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

PERFORMANCE SPECIFICATIONS
Operating Conditions
- Operating Temperature: -40°C to +55°C
- Storage Temperature: -40°C to +80°C
- Operation Altitude: 9754m
- Storage Altitude: 15240m
- Water Immersion, Mated: MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant

ACTIVE PORT CONFIGURATION
- EUD
- RADIO
- PAN
- POWER

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

STAR-PAN ™ IV
808-273
4 port smart power and data hub system

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

Export of STAR-PAN™ USB Hub/Power Distribution systems is restricted and/or controlled by U.S. Department of Commerce Export Administration Regulations

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STAR-PAN™ IV
808-273 4 port smart power / data hub system
Configuration diagram

**STAR-PAN IV CAPABILITY DIAGRAM**

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

**STAR-PAN Component Description**

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>STAR-PAN IV Multiport USB and Power Distribution Hub</td>
<td>808-273</td>
</tr>
<tr>
<td>STAR-PAN General-Purpose Extension Cable</td>
<td>808-047</td>
</tr>
<tr>
<td>DAGR GPS/Navigation Cable</td>
<td>808-040</td>
</tr>
<tr>
<td>PRC 152A Radio Data Adapter</td>
<td>808-032</td>
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<td>TacROVER-E USB Receiver Cable</td>
<td>808-043</td>
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<td>TacROVER-P SW USB Receiver Cable</td>
<td>808-044</td>
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<tr>
<td>Tactical Net Rover USB Receiver Cable</td>
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<td>STERNAR TNF Adapter Cable</td>
<td>808-212</td>
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<tr>
<td>Hand-Held Radio Battery Adapter</td>
<td>808-066</td>
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<tr>
<td>BA5590/BB2590 Battery Shoe</td>
<td>808-048</td>
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<tr>
<td>Radio Power Booster</td>
<td>808-064</td>
</tr>
<tr>
<td>AC/DC Power Adapter Cable</td>
<td>808-065</td>
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</table>

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* Example compatible devices, not supplied by Glenair

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Dimensions are subject to change without notice.
**WARFIGHTER TOUGH**

**STAR-PAN™ IV**

STAR-PAN IV accessories

MOLLE pouch and clip

---

**MOLLE POUCH SPECIFICATIONS**

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

** HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS4-018</th>
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<tr>
<td>STAR-PAN MOLLE Pouch</td>
<td>STAR-PAN IV MOLLE pouch</td>
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<tr>
<td>Color Option:</td>
<td>-D = Desert -T = Tan -C = Camo</td>
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**MOLLE CLIP SPECIFICATIONS**

- Factory-installed clip for attachment to MOLLE gear

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS4-008</th>
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</thead>
<tbody>
<tr>
<td>STAR-PAN accessory</td>
<td>STAR-PAN IV MOLLE clip</td>
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</table>

---

**JTAC-TOUGH™**

**STAR-PAN™**

STAR-PAN IV accessories

808-047 General-Purpose STAR-PAN Cable

---

**General-Purpose STAR-PAN Cable**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-047</th>
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<tbody>
<tr>
<td>Cable Series:</td>
<td>General-Purpose STAR-PAN cable</td>
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<tr>
<td>Cable Jacket Option:</td>
<td>S = Black Santoprene Jacket</td>
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<td>D = Olive Drab Nomex</td>
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<td>Length Designator:</td>
<td>in inches: Omit for default length of 24.00&quot;</td>
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<tr>
<td>[NATO NSN 5995-01-668-8636]</td>
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**QUALIFIED FOR USE WITH**

ALL STAR-PAN POWER / DATA HUBS:

- Light, II, IV, and Base Station X

STANDARD CABLE FOR USE WITH ALL

MIGHTY MOUSE 807-EQUIPPED ADAPTER

CABLES, EUDs, BATTERIES, AND PERIPHERALS
STAR-PAN™ VI
Integrated USB data/power distribution hub for digitally aided close air support (DACAS) and other combined mission commander / JTAC applications

FEATURES
- Universal PAN compliant ports (up to six devices)
- 1 designated host/EUD port
- 2 designated radio peripheral ports
- 4 PAN receptacles for up to four peripherals
- Battery and auxiliary power source input
- Glenair power port management
- Radio-supplied backup power
- Smart battery charging from auxiliary power
- Up to 5A battery power per port, 5A system total
- 5V backup total supply current 5A based on radio supply, radio 1 primary
- Radio Port Vbus System Hold Up for extended mission time and weight reduction
- Battery Port
- Battery Input Voltage 10V to 20V
- Battery Supply Current 3A maximum system supply current
- Battery Charge Current 3A
- Auxiliary Power Supply Port
- Auxiliary Voltage 10V to 20V
- Auxiliary Supply Current 3A maximum system supply current
- Battery Port
- Battery Voltage 100V to 200V
- Battery Supply Current 3A maximum system supply current
- Battery Charge Current 3A

OVERVIEW
The Glenair STAR-PAN™ VI Hub is a lightweight, durable, compact data and power distribution hub, ruggedized for harsh environment dismounted soldier applications. The connectorized hub provides a data backplane with power monitoring and management to connected external peripherals used in Digitally Aided Close Air Support (DACAS) and other mission applications. The hub is compatible with USB1.1, USB2.0 (full and high speed), and SMBus protocols. STAR-PAN™ VI contains two power inputs for extended missions. Two radio ports capable of powering up the USB Data backplane and host connection. A dedicated charge port for use with smart batteries and auxiliary power sources including multiple DC power sources such as vehicle power, solar panels, kinetic energy devices or fuel cells. All connector interfaces compliant to NATO STANAG 4669. Recommended: general-purpose C1 cable for EUD, battery, and peripheral connectivity.

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

PERFORMANCE SPECIFICATIONS
- Operating Conditions
  - Operating Temperature: -40°C to +55°C
  - Storage Temperature: -40°C to +80°C
  - Operation Altitude: 9754m
  - Storage Altitude: 15240m
  - Water Immersion, Mated MIL-STD-810, Method 512, 1m for 1hr.; IP67 rated dust / water resistant
- Battery Voltage: 10.0V to 20.0V, 14.8V typical
- Battery Supply Current: 5A maximum per individual port
- +5V Backup Total Supply Current: 5A based on radio supply, radio 1 primary
- Radio 1 and 2 Ports
  - Battery Voltage: 10.0V to 20.0V, 14.8V typical, Highest priority for power management
  - Battery Supply Current: 5A maximum per individual port
  - +5V Back Up Supply Current: 1.2A typical, 3A max, based on radio supply, radio 1 primary
  - +5V Back Up Supply Current: 5A per port
- Auxiliary Power Supply Port
  - Auxiliary Voltage: 10V to 20V
  - Auxiliary Supply Current: 3A maximum system supply current
- Battery Port
  - Battery Voltage: 100V to 200V
  - Battery Supply Current: 3A maximum system supply current
  - Battery Charge Current: 3A

HOW TO ORDER
Sample Part Number: 808-037
Connectorized Hub
Port Configuration: 1 EUD, 2 RADIO, 4 PAN, 2 POWER

PAN APPLICATIONS
- JTAC Digitally Aided Close Air Support (DACAS)
- Tactical ops center operations commander

STAR-TOUGH™
STAR-PAN™ VI
808-037
6 port smart power and data hub system

Export of STAR-PAN™ USB Hub/Power Distribution systems is restricted and/or controlled by U.S. Department of Commerce Export Administration Regulations.

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Dimensions are subject to change without notice.

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**STAR-PAN™ VI**

808-037 6 port smart power and data system

**Configuration diagram**

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

---

**STAR-PAN™ VI Component Description**

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR-PAN VI Multiport USB and Power Distribution Hub</td>
<td>808-037</td>
</tr>
<tr>
<td>STAR-PAN VI General-Purpose Extension Cable</td>
<td>808-047</td>
</tr>
<tr>
<td>DAGR GPS/Navigation Cable</td>
<td>808-049</td>
</tr>
<tr>
<td>RT-1922 MicroLight Radio Cable</td>
<td>808-044</td>
</tr>
<tr>
<td>PRC-152A Radio Data Adapter</td>
<td>808-032</td>
</tr>
<tr>
<td>TacROVER-E ISR Receiver Cable</td>
<td>808-043</td>
</tr>
<tr>
<td>Tactical Net Rover ISR Receiver Cable</td>
<td>808-117</td>
</tr>
<tr>
<td>C1-EXTENSION Cable</td>
<td>808-047</td>
</tr>
<tr>
<td>USB 2.0 Adapter Cable</td>
<td>808-053</td>
</tr>
<tr>
<td>Hand-Held Radio Battery Adapter</td>
<td>808-066</td>
</tr>
<tr>
<td>B5590/BB2590 Battery Shoe</td>
<td>808-048</td>
</tr>
<tr>
<td>Radio Power Booster</td>
<td>808-066</td>
</tr>
</tbody>
</table>

---

**Universal PAN compliant ports (up to six devices)**

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

---

**STAR-PAN™ VI Hub**

808-037 precision machined construction enclosure with IP67 sealed ports

---

**STAR-PAN™ VI Quick-Start User’s Guide**

990-TS003

---

**Pocket-Size STAR-PAN VI Quick-Start User’s Guide**

---

**Dimensions are subject to change without notice.**
STAR-PAN VI accessories
MOLLE pouch and clip

**MOLLE POUCH SPECIFICATIONS**
- Tan or Camouflage Cordura
- Single-button snap-lock for mounting on MOLLE loops
- Front loop Velcro securely retains STAR-PAN II hub

**HOW TO ORDER**

Sample Part Number: TS4-009

<table>
<thead>
<tr>
<th>Color Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tan</td>
<td>-T</td>
</tr>
<tr>
<td>Camo</td>
<td>-C</td>
</tr>
</tbody>
</table>

**STAR-PAN VI MOLLE pouch**

**MOLLE CLIP SPECIFICATIONS**
- Factory-installed clip for attachment to MOLLE gear

**HOW TO ORDER**

Sample Part Number: TS4-005

<table>
<thead>
<tr>
<th>Color Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tan</td>
<td>-T</td>
</tr>
<tr>
<td>Camo</td>
<td>-C</td>
</tr>
</tbody>
</table>

**STAR-PAN accessory**

**STAR-PAN VI MOLLE pouch**

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

**STAR-PAN VI MOLLE pouch**

**STAR-PAN VI accessories**

**808-047 General-Purpose STAR-PAN Cable**

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

**HOW TO ORDER**

Sample Part Number: 808-047

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>808-047</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color Option</td>
<td>-S</td>
</tr>
</tbody>
</table>

**Cable Jacket Option**
- S = Black Santoprene Jacket
  - Omit for standard Olive Drab Nomex

**Length Designator**
- In inches. Omit for default length of 24.00"
  - [NATO NSN 5995-01-668-8636]

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

**STANDARD CABLE FOR USE WITH ALL MIGHTY MOUSE 807-EQUIPPED ADAPTER CABLES, EUDs, BATTERIES, AND PERIPHERALS**

**808-047 General-Purpose STAR-PAN cable**

**CABLE JACKET OPTION**
- S = Black Santoprene Jacket
  - Omit for standard Olive Drab Nomex

**LENGTH DESIGNATOR**
- In inches. Omit for default length of 24.00"
  - [NATO NSN 5995-01-668-8636]
STAR-PAN™ X
BASE STATION

Ten-port power/data hub

Optimized for vehicle, helicopter, or vessel mounting, STAR-PAN X Base Station enhances soldier situational awareness with real-time 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.

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
- Glenair signature power monitoring and management
- Standard Personal Area Network (PAN) pin configuration, smart battery interface, Direct Current Power Source (DCPS)
- SMBus to USB conversion via PAN power connectors
- Overvoltage, overcurrent, short circuit protection and SMBus capability
- SPAR APP compatibility
- Environmentally sealed

SPECIFICATIONS

- PAN ports for up to ten devices
- HDMI and Ethernet ports
- Integrated STAR-PAN MISSION MANAGER functionality
- Two USB 3.0 ports
- 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

PERFORMANCE SPECIFICATIONS

Battery Input Current 10A maximum
Battery Input Voltage 20V to 36V, 28V typical
Battery Port

Auxiliary Input Current 20A maximum
Auxiliary Voltage Source 10V to 36V
Auxiliary Power Supply Port

Total VBATT Output Current 20A
Battery Supply Current 5A Maximum per individual port
Pan 1–10

OPERATING CONDITIONS

Operating Temperature -40°C to +60°C
Storage Temperature -40°C to +80°C

APPLICATIONS

- Armored personnel carriers
- Land and air troop transports
- Landing craft and other naval vessels

BASE STATION X CABLE PART NUMBERS

- AC Power Supply Cable Assembly TS8-497
- USB 3.0 Cable Assembly TS1-035
- HDMI Type A Cable Assembly TS1-041
- HDMI Type C Cable Assembly TS1-040
- USB 2.0 Dongle TS1-031
- General Purpose Extention Cable 455-060

HOW TO ORDER

Sample Part Number: TS8-462

Connectionized Hub

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

OVERVIEW

STAR-PAN X 10-Port Base Station is a multi-port data and power hub for platform-based C4ISR 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 and/or access data through the WiFi network when operating in the vicinity of the vehicle.

STAR-PAN™ HUBS + ACCESSORIES

© 2021 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • STAR-PAN™ Tactical Interconnect Solutions
Dimensions are subject to change without notice.
STAR-PAN™ MISSION MANAGER
Plug-and-play EUD/USB peripheral data exchange device

GLENAIR MISSION MANAGER WITH MX QUICK-CONFIGURATION SOFTWARE

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

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

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

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

HOW TO ORDER
Sample Part Number: TS2-002
- Mission Manager - standard: TS2-002 MISSION MANAGER (NATO NSN 7025-01-687-0223)
- Mission Manager - wireless: TS2-005 MISSION MANAGER Wireless
- Mission Manager - with WiFi / RF: TS2-010 MISSION MANAGER Wireless with external antenna

PERFORMANCE SPECIFICATIONS
- Storage Temperature: -40°C to +80°C
- Operating Temperature: -20°C to +55°C
- Operation Altitude: 9144m
- Storage Altitude: 15240m

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

TS2-002 MISSION MANAGER STANDARD / TS2-005 MISSION MANAGER WIRELESS

TS2-010 MISSION MANAGER WITH WIRELESS RF CONNECTOR

STAR-PAN™ MISSION MANAGER with MX Software
Plug-and-play EUD / USB peripheral data exchange device
**STAR-PAN™ General-Purpose Cables**

**Specifications**

<table>
<thead>
<tr>
<th>General-Purpose STAR-PAN Cable</th>
<th>808-047 General-purpose STAR-PAN Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Part Number:</strong> 808-047</td>
<td><strong>808-047</strong></td>
</tr>
<tr>
<td><strong>Cable Series</strong></td>
<td></td>
</tr>
<tr>
<td><strong>General-Purpose STAR-PAN cable</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Cable Jacket Option</strong></td>
<td>-S</td>
</tr>
<tr>
<td>- Black Santoprene Jacket</td>
<td></td>
</tr>
<tr>
<td>- Olive drab Nomex® braided</td>
<td></td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
<td>In inches.</td>
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<tr>
<td>- 24&quot;</td>
<td></td>
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<tr>
<td><strong>Weight</strong></td>
<td>50g</td>
</tr>
<tr>
<td><strong>ECCN / EAR</strong></td>
<td>3A611.x</td>
</tr>
</tbody>
</table>

** gelişmeliSTAR-PAN™ General-Purpose Cables**

**Qualification for Use With**

- All STAR-PAN Power/Data Hubs
- JTAC-TOUGH™ Star-Hub Power/Data Hub

**How to Order**

Sample Part Number: 808-047 -36

**General-Purpose STAR-PAN Cable**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>NATO Stock No.</th>
<th>Description</th>
<th>Electrical Function</th>
<th>Weight</th>
<th>Standard Length</th>
<th>Cable Finish</th>
<th>ECCN / EAR</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-047</td>
<td>5995-01-668-8636</td>
<td>General-Purpose STAR-PAN cable (for use with all Mighty Mouse 807-equipped adapter cables, EUDs, batteries, and peripherals)</td>
<td>Power + Data</td>
<td>50g</td>
<td>24&quot;</td>
<td>Black Santoprene or Nomex, O.D.</td>
<td>3A611.x</td>
<td>39</td>
</tr>
</tbody>
</table>

**Standard Cables for Use With Mighty Mouse 807-Equipped Adapter Cables, EUD s, Batteries, and Peripherals**

- 808-047 -36
- 808-095
- 808-244
- 808-236
- TS8-452
- 808-091
- 808-129
- 808-130
- 808-100
- 808-101

**Table of STAR-PAN™ Cables**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>NATO Stock No.</th>
<th>Description</th>
<th>Electrical Function</th>
<th>Weight</th>
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<th>Cable Finish</th>
<th>ECCN / EAR</th>
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<td>Power + Data</td>
<td>50g</td>
<td>24&quot;</td>
<td>Black Santoprene or Nomex, O.D.</td>
<td>3A611.x</td>
<td>39</td>
</tr>
</tbody>
</table>

**Sample Part Number: 808-047 -36**

- General-Purpose STAR-PAN cable
- Weight: 24" cable: 50g

**Export Classification:**

ECCN 3A611.x

**Cage Code:**

06324

**Website:**

www.glenair.com

**Address:**

1211 Air Way, Glendale, CA 91201

**Phone:**

818-247-6000

**E-mail:**

info@glenair.com

**U.S. CAGE Code:**

06324

**STAR-PAN™ Tactical Interconnect Solutions**

Dimensions are subject to change without notice.
**GENERAL-PURPOSE CABLES**

### SPECIFICATIONS

**General-Purpose STAR-PAN Cables**

808-244 Right-angle exit cable (90° receptacle)

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

**JTAC-TOUGH™ STAR-PAN™ General-Purpose STAR-PAN Cables**

808-095 Right-angle exit cable (90° plug)

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

### HOW TO ORDER

#### General-Purpose STAR-PAN Cables

**90° Exit Cable**

**Sample Part Number:** 808-095 -8

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

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

**WIRE, FLEXIBLE TPU INSULATED**
- Tin Plated Copper
**BRAIDED SLEEVE,** HIGH STRAND, TIN PLATED COPPER BAND
- OUTER BAND, NOMEX SLEEVING GLENAIR PN: 102-042

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

**SHRINK LABEL**
- M23053/5 (BLK)
- COVERED WITH M23053/18 (CLR)

**OVERALL LENGTH “L”**

**Master Key Orientation**

**HUB PORT DESIGNATOR:** EUD

### JTAC-TOUGH™ STAR-PAN™ General-Purpose STAR-PAN Cables

**90° Exit Cable**

**Sample Part Number:** 808-244 -8

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

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

**WIRE, FLEXIBLE TPU INSULATED**
- Tin Plated Copper
**BRAIDED SLEEVE,** HIGH STRAND, TIN PLATED COPPER BAND
- OUTER BAND, NOMEX SLEEVING GLENAIR PN: 102-042

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

**SHRINK LABEL**
- M23053/5 (BLK)
- COVERED WITH M23053/18 (CLR)

**OVERALL LENGTH “L”**

**Master Key Orientation**

**HUB PORT DESIGNATOR:** EUD

### MASTER KEY ORIENTATION

**HUB PORT DESIGNATOR:** EUD

- **CABLE EXIT**
  - 90°
  - 135°
  - 225°
  - 270°
  - 315°

**CABLE EXIT**

- 90°
- 135°
- 225°
- 270°
- 315°
JTAC-TOUGH™
STAR-PAN™
General-Purpose STAR-PAN Cables
808-236 6-6 Receptacle-to-Receptacle Cable

Specifications
• Polyurethane-overmolded cable, black
• Overmolded, ergonomic connector strain reliefs, black
• Mighty Mouse 807 (NATO standard) connectors
• Weight, 8” cable: (consult factory)
• Export classification: ECCN 3A611.x

How to Order
Sample Part Number: 808-236 -12
Cable Series: General-Purpose STAR-PAN cable
Length Designator: In inches. Omit for default length of 6.00”

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

OVERALL LENGTH “L”

P1
POLYURETHANE OVERMOLD
GLANDAR CONNECTOR, B-M-1675-1675/7agger & ITV, TY 2
CABLE JACKETED POLYURETHANE
CABLE OVERMOLD

P2

JTAC-TOUGH™
STAR-PAN™
General-Purpose STAR-PAN Cables
TS8-452 Radio-to-PAN Adapter Cable

Specifications
• Nomex-overbraid cable, olive drab
• Overmolded, ergonomic connector strain reliefs, desert tan
• Mighty Mouse 807 (NATO standard) connectors
• Weight, 24” cable: (consult factory)
• Export classification: ECCN 3A611.x

How to Order
Sample Part Number: TS8-452 -12
Cable Series: General-Purpose STAR-PAN cable
Length Designator: In inches. Omit for default length of 24.00”

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

OVERALL LENGTH “L”

P1
MASTER KEY
TPE OVERMOLD
HUB PORT DESIGNATOR: EUD

P2
MASTER KEY
TPE OVERMOLD
HUB PORT DESIGNATOR: EUD
General-Purpose STAR-PAN Cables: 808-129 PAN port • 808-130 RADIO, AUX, or BATT port

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

**Hub Port Designator:**
- PAN

**How to Order**
- Sample Part Number: 808-129 -18
- Cable Series: STAR-PAN flying lead assembly, PAN port
- Length Designator: In inches. Omit for default length of 24.00”

---

General-Purpose STAR-PAN Cables

**Specifications**
- Olive drab Nomex® braided cable
- Overmolded, ergonomic connector strain reliefs, desert tan
- Embedded filtered components
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 20" cable: (consult factory)
- Export classification: EECN 3A611.x

**Hub Port Designator:**
- EUD

**How to Order**
- Sample Part Number: 808-091 -XX
- Cable Series: General-Purpose STAR-PAN cable
- Length Designator: In inches. Omit for default length of 20.00”

---

General-Purpose STAR-PAN Cables

**Specifications**
- Filtered Plug-to-Receptacle STAR-PAN Cable
- Olive drab Nomex® braided cable
- Overmolded, ergonomic connector strain reliefs, desert tan
- Embedded filtered components
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 20" cable: (consult factory)
- Export classification: EECN 3A611.x

**Hub Port Designator:**
- PAN

**How to Order**
- Sample Part Number: 808-091 -XX
- Cable Series: General-Purpose STAR-PAN cable
- Length Designator: In inches. Omit for default length of 20.00”
STAR-PAN™
Radio cables and adapters

808-087 AN/PRC-117F PAN Port Radio Cable

**Specifications**

- For interconnection of referenced radio types to STAR-PAN power / data hubs
- Synchronous Serial Interface (SSI) Data Downlink Adapter Cable
- Santoprene jacketed cable, black
- Ergonomic overmolding
- Mighty Mouse 807 (NATO standard) connector and PRC 117F connector
- Weight, 36" cable: (consult factory)
- Export classification: ECON 3A611.x
- PAN port connection

**HOW TO ORDER**

Sample Part Number: 808-087 R-32

- Cable Series
- AN/PRC-117F PAN Port Data Adapter Cable
- Data Connector Angle
  - R = Right angle data connector
  - Omit = standard straight data connector
- Length Designator
  - In inches
  - Omit for default length of 36.00"

---

**STAR-PAN™ Radio Cables and Adapters**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
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</tr>
</tbody>
</table>
**Radio cables and adapters**

**808-035 AN/PRC-117G Radio Cable**

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

**How to Order**
- Sample Part Number: 808-035 -24
- Cable Series: AN/PRC-117G Radio Adapter Cable
- Length Designator: In inches (6.00" min.)

**Sample Part Number:**
- 808-035
- Cable Series: AN/PRC-117G Radio Adapter Cable
- Length Designator: In inches (6.00" min.)

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

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

**How to Order**
- Sample Part Number: 808-088 -36
- Cable Series: AN/PRC-117G / RF7800 Radio Adapter Cable
- Length Designator: In inches (6.00" min.)

**808-088 AN/PRC-117G PAN Port Radio Cable**

**Specifications**
- For interconnection of referenced man-pack radio type to STAR-PAN power / data hubs.
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options.
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Mighty Mouse 807 (NATO standard) connector and Fischer connector.
- Weight: 32" cable: 90g.
- Export classification: ECCN 3A611.x.
- PAN Port connection.
JTAC-TOUGH™
STAR-PAN™
Radio cables and adapters
808-039 AN/PRC-148 JEM Radio Adapter

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

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

JTAC-TOUGH™
STAR-PAN™
Radio cables and adapters
TS8-431 AN/PRC-152A Radio Adapter

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

HOW TO ORDER
Sample Part Number: TS8-431
Cable Series: AN/PRC-152A Radio Adapter Cable

Dimensions are subject to change without notice.
808-032 AN/PRC-152A Radio Adapter

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

**HOW TO ORDER**
Sample Part Number: 808-032

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

808-156 AN/PRC 152A PAN Port Radio Adapter

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

**HOW TO ORDER**
Sample Part Number: 808-156

Dimensions are subject to change without notice.

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JTAC-TOUGH™
STAR-PAN™
Radio cables and adapters

TS8-410 AN/PRC 152/152A Sync Serial Adapter

SPECIFICATIONS
- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors
- Weight 91g
- Export classification: ECCN 3A611.x
- Adapter Cable 808-047 sold separately

HOW TO ORDER
Sample Part Number: TS8-410
Cable Series AN/PRC-152/152A Sync Serial Adapter

AN/PRC-152/152A
Sync Serial Adapter

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

JTAC-TOUGH™
STAR-PAN™
Radio cables and adapters

TS7-083 AN/PRC 152 / 152A Radio to Juggernaut USB C Adapter

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

HOW TO ORDER
Sample Part Number: TS7-083
Cable Series AN/PRC-152 / 152A Radio Data Adapter Cable

AN/PRC-152 / 152A
Radio Adapter

USB-C Overmold Options
- Omit for default QD: JG.CBL.QDC3 or eq
- IC9 for S9 Impact: JG.IC.GLXY.S9.09
- IC4X for GP4XL Impact
- IC20 for Impact S20
- IC10E for S10E Impact

Length Designator
- In inches, 6.00" minimum
- Omit for default length of 24.00". Maximum length 48.00"

Omit for default length of 24.00". Maximum length 48.00"
**SPECIFICATIONS**

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

**HOW TO ORDER**

**Sample Part Number:** 808-166

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>BATS-D AN/PRC 161 Radio Data Adapter Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>6 inches, 6.00&quot; minimum</td>
</tr>
</tbody>
</table>

**OVERALL LENGTH "L"**

**Dimensions are subject to change without notice.**

---

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

**SPECIFICATIONS**

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

**HOW TO ORDER**

**Sample Part Number:** 808-235

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>BATS-D AN/PRC 161 Radio Data Adapter Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>6 inches, 6.00&quot; minimum</td>
</tr>
</tbody>
</table>

**OVERALL LENGTH "L"**

**Dimensions are subject to change without notice.**
## JTAC-TOUGH™ STAR-PAN™
### Radio cables and adapters
#### TS8-409 AN/PRC-161 PAN Port Radio Ethernet Adapter

### SPECIFICATIONS
- For interconnection of referenced hand-held radio type to STAR-PAN power/data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors.
- Weight, 32” cable: (consult factory)
- Export classification: ECCN 3A611.x

### HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS8-409</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>BATS-D AN/PRC-161 Radio Data Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches, 10.00” minimum</td>
</tr>
</tbody>
</table>

**NOTE:** Default length of 32.00”

---

## JTAC-TOUGH™ STAR-PAN™
### Radio cables and adapters
#### TS8-457 AN/PRC-163 Radio Battery Adapter, Red I/O

### SPECIFICATIONS
- For interconnection of referenced hand-held radio type to STAR-PAN power/data hubs
- Overmolded, ergonomic connector strain reliefs, black
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors
- Weight: (consult factory)
- Red I/O connection
- Export classification: ECCN 3A611.x

### HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS8-457</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>AN/PRC-163 Radio Adapter, red I/O</td>
</tr>
</tbody>
</table>

---

## JTAC-TOUGH™ STAR-PAN™
### Radio cables and adapters
#### TS8-457 AN/PRC-163 Radio Battery Adapter, Red I/O

### SPECIFICATIONS
- For interconnection of referenced hand-held radio type to STAR-PAN power/data hubs
- Overmolded, ergonomic connector strain reliefs, black
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors
- Weight: (consult factory)
- Red I/O connection
- Export classification: ECCN 3A611.x

### HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS8-457</th>
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</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>AN/PRC-163 Radio Adapter, Red I/O</td>
</tr>
</tbody>
</table>

---

## JTAC-TOUGH™ STAR-PAN™
### Radio cables and adapters
#### TS8-409 AN/PRC-161 PAN Port Radio Ethernet Adapter

### SPECIFICATIONS
- For interconnection of referenced hand-held radio type to STAR-PAN power/data hubs
- Nomex® braided wire protection, olive drab. Consult factory for other cable finish options
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors.
- Weight, 32” cable: (consult factory)
- Export classification: ECCN 3A611.x

### HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS8-409</th>
</tr>
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<tbody>
<tr>
<td>Cable Series</td>
<td>BATS-D AN/PRC-161 Radio Data Adapter Cable</td>
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<tr>
<td>Length Designator</td>
<td>In inches, 10.00” minimum</td>
</tr>
</tbody>
</table>

**NOTE:** Default length of 32.00”
**JTAC-TOUGH™ STAR-PAN™**

**Power cables and battery adapters**

**TS8-458 AN/PRC-163 Radio Battery Adapter, Black I/O**

**SPECIFICATIONS**

- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Overmolded, ergonomic connector strain reliefs, black
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors
- Weight: (consult factory)
- Black I/O connection
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

**Sample Part Number:** TS8-458

**Cable Series:** AN/PRC-163 Radio Adapter, black I/O

---

**AN/PRC-163 Radio Adapter, Black I/O**

---

**JTAC-TOUGH™ STAR-PAN™**

**Radio cables and adapters**

**TS8-495 AN/PRC-163 Radio Adapter, with Red/Black Switch**

**SPECIFICATIONS**

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

**HOW TO ORDER**

**Sample Part Number:** TS8-495

**Cable Series:** AN/PRC-163 Radio Adapter with red/black switch
### JTAC-TOUGH™ STAR-PAN™

**Radio cables and adapters**

**TS8-411 AN/PRC-167 Multi-Function I/O (MFI) Cable**

**SPECIFICATIONS**
- For interconnection of referenced radio type to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Ergonomic overmolding
- Mighty Mouse 807 (NATO standard) connector and ODU connector
- Weight, 18" cable: (consult factory)
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number: TS8-411</th>
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</thead>
<tbody>
<tr>
<td>Cable Series: AN/PRC-167 MFI Cable</td>
</tr>
<tr>
<td>Length Designator: Omit for default length of 18.00&quot;</td>
</tr>
</tbody>
</table>

**AN/PRC-167 Radio (alt. use with PRC-163)**

MFI (Multi-Function I/O) cable

**JTAC-TOUGH™ STAR-PAN™**

**Radio cables and adapters**

**808-132 Elbit PNR 1000 Radio Adapter**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number: 808-132</th>
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<tbody>
<tr>
<td>Cable Series: PNR 1000 Radio Adapter Cable</td>
</tr>
<tr>
<td>Length Designator: Omit for default length of 21.00&quot;</td>
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</tbody>
</table>

**Elbit PNR 1000 Radio Adapter**

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STAR-PAN™**

Radio cables and adapters

**TS8-470 Elbit PNR 1000 Radio Adapter**

- **SPECIFICATIONS**
  - For interconnection of referenced hand-held radio type to STAR-PAN power/data hubs
  - Black zinc-nickel finish
  - Weight: (consult factory)
  - Mighty Mouse 807 (NATO standard) connector.
  - Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>TS8-470</th>
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<tbody>
<tr>
<td>Cable Series</td>
<td>PNR 1000 Radio Adapter Cable</td>
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</tbody>
</table>

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

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>808-158</th>
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<tbody>
<tr>
<td>Cable Series</td>
<td>RF-7850S-SPR Radio Adapter Cable</td>
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<tr>
<td>Length Designator</td>
<td>-20</td>
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</table>

Dimensions are subject to change without notice.
**STAR-PAN™**

**Radio cables and adapters**

TS8-446 Harris RF-7850S-TR Radio Cable

**SPECIFICATIONS**
- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Ergonomic overmolding
- Mighty Mouse 807 (NATO standard) plug connector and ITT Cannon connector and backshell
- Weight, 19” cable: 75g
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
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<tr>
<td>Cable Series</td>
<td>RF-7850S-TR Radio Adapter Cable</td>
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<td>Length Designator</td>
<td>19.00”</td>
</tr>
</tbody>
</table>

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

---

**STAR-PAN™**

**Radio cables and adapters**

808-257 Harris RF-7800S Radio Cable

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
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<tbody>
<tr>
<td>Cable Series</td>
<td>RF-7800S Radio Adapter Cable</td>
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<tr>
<td>Length Designator</td>
<td>32.00”</td>
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</tbody>
</table>

**Harris RF-7800S Radio Cable**

---
**Radio cables and adapters**

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

**RADIO CABLES AND ADAPTERS**

**HUB PORT DESIGNATOR:**
- RADIO

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-148</th>
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<tbody>
<tr>
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<td>RF7800S Radio Adapter Cable</td>
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<tr>
<td>Length Designator</td>
<td>Omit for default length of 32.00”</td>
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</tbody>
</table>

**Radio cables and adapters**

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

**RADIO CABLES AND ADAPTERS**

**HUB PORT DESIGNATOR:**
- PAN

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS8-466</th>
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<tbody>
<tr>
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<td>RF7800S-TR Radio Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>Omit for default length of 32.00”</td>
</tr>
</tbody>
</table>
Radio cables and adapters

**STAR-PAN**

**Radio Power Boost**

**RADIO CABLES AND ADAPTERS**

**SPECIFICATIONS**
- For interconnection of referenced hand-held radio type to STAR-PAN power / data hubs
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors
- Weight 91g
- Export classification: ECCN 3A611.x

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

**RADIO RIBBON CABLE**

**HOW TO ORDER**
- Sample Part Number: TS8-426

**RADIO CABLES AND ADAPTERS**

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

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

**RADIO CABLE**

**HOW TO ORDER**
- Sample Part Number: 808-044 -U -28

---

**HOW TO ORDER**
- Sample Part Number: TS8-426
  - Cable Series: RF-7850M Sync Serial Adapter

**HOW TO ORDER**
- Sample Part Number: 808-044
  - Cable Series: RT-1922 Microlight SADL Radio Cable

---

**JTAC-TOUGH™**

**STAR-PAN™**

Radio cables and adapters

**TS8-426 Harris RF-7850M Sync Serial Adapter**

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

---

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Dimensions are subject to change without notice.
### JTAC-TOUGH™
#### STAR-PAN™
Radio cables and adapters

**TS3-009 Thales PR4G Radio Ethernet Cable**

**SPECIFICATIONS**
- For interconnection of referenced radio type to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Ergonomic overmolding
- Mighty Mouse 807 (NATO standard) connector and Souriau connector
- Weight: (consult factory)
- Export classification: ECCN 3A611.x

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS3-009-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Thales PR4G Radio Ethernet Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>8.00 INCHES (+1.00/-0.00)</td>
</tr>
</tbody>
</table>

**Radio Power Boost**

**Qualification**
Qualified for use with all Star-Pan power / data hubs Light, II, IV, and VI

**Pin Out Diagram**

```
<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Master Key</td>
</tr>
<tr>
<td>2</td>
<td>Master Key</td>
</tr>
<tr>
<td>3</td>
<td>Shrink Marker, M23053/5 covered with M23053/18 (clear)</td>
</tr>
</tbody>
</table>
```

**Glenair Connector**
8070-1676-06ZNU6-6P YJ

**TPE Overmold Ethernet to USB Convert in TPE Overmold**

**Dimensions**

- Overall Length: 10.61" (320 mm)
- 6-32 UNC-2A Triple Start

---

**TS3-016 TrellisWare TSM Shadow Radio Adapter**

**SPECIFICATIONS**
- For interconnection of referenced radio type to STAR-PAN power / data hubs
- Black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) connector and Souriau connector
- Weight: (consult factory)
- Export classification: ECCN 3A611.x

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS3-016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Thales PR4G Radio Ethernet Cable</td>
</tr>
</tbody>
</table>

**Radio Power Boost**

**Qualification**
Qualified for use with all Star-Pan power / data hubs Light, II, IV, and VI

**Pin Out Diagram**

```
<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Master Key</td>
</tr>
<tr>
<td>2</td>
<td>Master Key</td>
</tr>
</tbody>
</table>
```

**Glenair Connector**
SOURIAU  CONNECTOR, HE30806T1535PN7M OR EQ.

**TE CONNECTIVITY AEROSPACE, DEFENCE AND MARINE**

**Backshell**
TXR41AB00-1405AI OR EQ.

**Shrink Boot**
202K121-25/225-0 OR EQ.

**Dimensions**

- Overall Length: 10.61" (320 mm)
- 6-32 UNC-2A Triple Start

---
### JTAC-TOUGH™ STAR-PAN™

**Power cables and battery adapters**

808-048 BA5590 / BB2590 battery shoe

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

#### HOW TO ORDER

**Sample Part Number:** 808-048

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA5590 / BB2590 Battery Shoe</td>
<td></td>
</tr>
</tbody>
</table>

---

### JTAC-TOUGH™ Power Cables and Battery Adapters

<table>
<thead>
<tr>
<th>Part No.</th>
<th>NATO Stock No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-048</td>
<td>6130-01-674-2718</td>
<td>Adapter Series, BA5590 / BB2590</td>
</tr>
<tr>
<td>808-242</td>
<td>6130-01-674-2718</td>
<td>Battery 2590 Battery Adapter with Charging and SMBus</td>
</tr>
<tr>
<td>TS3-023</td>
<td>TS3-023</td>
<td>BB2590 Battery Adapter with Charging and SMBus</td>
</tr>
<tr>
<td>808-133</td>
<td>5935-01-683-1932</td>
<td>Adapter Series, BB2590</td>
</tr>
<tr>
<td>808-066</td>
<td>5995-01-683-5932</td>
<td>Radio Battery Adapter for Harris and BT/166XX Handheld Radios</td>
</tr>
<tr>
<td>808-175</td>
<td>5935-01-683-1932</td>
<td>PRC-152A, -152, -154 Battery Adapter / Charger</td>
</tr>
<tr>
<td>TS3-022</td>
<td>TS3-022</td>
<td>Universal Radio Power Booster (RPB)</td>
</tr>
<tr>
<td>TS8-459</td>
<td>TS8-459</td>
<td>AN/PRC Radio Battery Adapter</td>
</tr>
<tr>
<td>TS8-973</td>
<td>TS8-973</td>
<td>AN/PRC-163 Dual Power Cable Battery Eliminator</td>
</tr>
<tr>
<td>808-059</td>
<td>6130-01-674-8605</td>
<td>Cigarette Lighter Power Adapted Cable</td>
</tr>
<tr>
<td>808-064</td>
<td>5995-01-688-6659</td>
<td>AC/DC Power Adapter Cable</td>
</tr>
<tr>
<td>808-064-EU</td>
<td>5995-01-682-9273</td>
<td>AC/DC Power Adapter Cable</td>
</tr>
</tbody>
</table>

---

**Dimensions are subject to change without notice.**
**POWER CABLES AND BATTERY ADAPTERS**

**JTAC-TOUGH™ STAR-PAN™**

Power cables and battery adapters

**808-242 BB2590 Battery Adapter with Charging and SMBus**

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-242</th>
<th>GRN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>BB2590 Battery Connector</td>
<td></td>
</tr>
<tr>
<td>Strap Color Option</td>
<td>BLK = Black</td>
<td>GRN = Ranger Green</td>
</tr>
</tbody>
</table>

**BB2590 Parallel Charging Battery Adapter with SMBus**

Qualified for use with all STAR-PAN power / data hubs: LIGHT, II, IV, and VI

Dimensions: 1.00 x 2.70 x 4.60

Weight: 286g

Export classification: EAR 99

**5V regulation**

**JTAC-TOUGH™ STAR-PAN™**

Power cables and battery adapters

**TS3-023 BB2590 Battery Adapter with Charging and SMBus**

**SPECIFICATIONS**

- For connection of referenced battery to STAR-PAN power / data hubs
- Aluminum housing, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) Power In / Battery connectors and BB2590 battery connector
- Weight: 286g
- 5V regulation
- Export classification: EAR 99

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS3-023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>BB2590 Battery Connector</td>
</tr>
</tbody>
</table>

**BB2590 Parallel Charging Battery Adapter with SMBus**

Qualified for use with all STAR-PAN power / data hubs: LIGHT, II, IV, and VI

Dimensions: 1.00 x 2.70 x 4.60

Weight: 286g

Export classification: EAR 99

**5V regulation**
**POWER CABLES AND BATTERY ADAPTERS**

**STAR-PAN™ POWER CABLES AND BATTERY ADAPTERS**

**808-133 BT-70838 BE Battery Connector**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>808-133</th>
<th>-28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>BT-70838 BE Battery Connector</td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>21 inches, omit for default length of 21.00”</td>
<td></td>
</tr>
</tbody>
</table>

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>808-066</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Battery Adapter for Handheld Radios</td>
</tr>
</tbody>
</table>

**808-066 Radio Battery Adapter**

**SPECIFICATIONS**
- For connection of Harris and BT70716XX handheld radio batteries to STAR-PAN power/data hubs
- Aluminum housing, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) connector
- Weight: 70g
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>808-066</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Battery Adapter for Handheld Radios</td>
</tr>
</tbody>
</table>

---

**BATTERY CONNECTOR for Bren-Tronics BT-70838 BE Battery**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>808-133</th>
<th>-28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>BT-70838 BE Battery Connector</td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>21 inches, omit for default length of 21.00”</td>
<td></td>
</tr>
</tbody>
</table>

**BATTERY SHOE for Harris handheld radio and Bren-Tronics BT70716XX batteries**

**SPECIFICATIONS**
- For connection of Harris and BT70716XX handheld radio batteries to STAR-PAN power/data hubs
- Aluminum housing, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) connector
- Weight: 70g
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>808-066</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Battery Adapter for Handheld Radios</td>
</tr>
</tbody>
</table>

---

Dimensions are subject to change without notice.
**JTAC-TOUGH™ STAR-PAN™**

Power cables and battery adapters

---

**SPECIFICATIONS**

- Back-to-back battery adapter and charger
- Aluminum housing, black zinc-nickel finish
- Overmolded, ergonomic connector strain reliefs, black.
- Santoprene jacketed cable, black.
- Mighty Mouse 807 (NATO standard) connector
- Weight: (consult factory)
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Part Number:</th>
<th>808-175</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Back-to-back Radio Battery Adapter / Charger</td>
</tr>
</tbody>
</table>

**SUPPLIED ACCESSORY**

Part No. 808-144

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

---

**POWER CABLES AND BATTERY ADAPTERS**

For Harris PRC-152A, PRC-152, and PRC-148 Radios

---

**SPECIFICATIONS**

- Radio Power Booster enables trickle charging of radio batteries and radio holdup to hub
- Aluminum housing, black anodize finish
- Overmolded, ergonomic connector strain reliefs, black.
- Santoprene jacketed cable, black
- Weight: 159g
- Export classification: ECCN 3A611.a
- Standard cable: TS1-037 with Mighty Mouse 807 (NATO standard) connector
- Optional cable: TS1-030 with low-profile radio interface connector

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS3-022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>BT-70838BE Battery Connector</td>
</tr>
<tr>
<td>Cable Option</td>
<td>Omit for default TS1-037 cable with Mighty Mouse 807 connector</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OPTION -1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.29</td>
</tr>
<tr>
<td>32.74</td>
</tr>
<tr>
<td>1.48</td>
</tr>
<tr>
<td>37.47</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>P2 BATTERY INTERFACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.62</td>
</tr>
<tr>
<td>66.55</td>
</tr>
<tr>
<td>3.10</td>
</tr>
<tr>
<td>78.61</td>
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<table>
<thead>
<tr>
<th>OPTION 1 (TS1-030 SHOWN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.000</td>
</tr>
<tr>
<td>152.40</td>
</tr>
</tbody>
</table>

**SUPPLIED ACCESSORY**

Part No. 808-144

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

---

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**JTAC-TOUGH™ STAR-PAN™**

Power cables and battery adapters

TS8-459 AN/PRC-163 Radio Battery Adapter

**SPECIFICATIONS**

- Aluminum housing, black anodized finish
- Santoprene jacketed cable, black
- Weight: (consult factory)
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Part Number:</th>
<th>TS8-459</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Radio Battery Adapter</td>
</tr>
</tbody>
</table>

**JTAC-TOUGH™ STAR-PAN™**

Power cables and battery adapters

TS8-473 AN/PRC-163 Dual Power Cable Battery Eliminator

**SPECIFICATIONS**

- Battery eliminator adapter
- Aluminum housing, black anodized finish
- Overmolded, ergonomic connector strain reliefs, black.
- Santoprene jacketed cable, black
- Mighty Mouse 807 (NATO standard) connector
- Weight: (consult factory)
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Part Number:</th>
<th>TS8-473</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Battery Eliminator Adapter</td>
</tr>
</tbody>
</table>

**POWER CABLES AND BATTERY ADAPTERS**

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

RADIO POWER BOOST

**POWER CABLES AND BATTERY ADAPTERS**

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

**JTAC-TOUGH™ STAR-PAN™**

**Power cables and battery adapters**

**808-059 Cigarette Lighter Power Adapter Cable**

**HUB PORT DESIGNATOR:** BATT

**SPECIFICATIONS**

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

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

**HOW TO ORDER**

**Sample Part Number:** 808-059

**Cable Series:** Cigarette Lighter Power Adapter Cable

---

**808-064 AC/DC Power Adapter Cable**

**HUB PORT DESIGNATOR:** AUX or BATT

**SPECIFICATIONS**

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

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

**HOW TO ORDER**

**Sample Part Number:** 808-064 -EU -120

**Cable Series:** AC/DC Power Adapter

**Plug Type Option:** US, EU, UK, AU, SW, DM (see code table below)

**Length Designator:** 110" or See default length of 110.00"

**AC Plug Type Option**

<table>
<thead>
<tr>
<th>Code</th>
<th>F/PN</th>
<th>Country / Region</th>
<th>Mating Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>PCR-81US-183C</td>
<td>North America (default)</td>
<td>Type B</td>
</tr>
<tr>
<td>EU</td>
<td>PCR-81BEDU-183B</td>
<td>Europe</td>
<td>Type E/F</td>
</tr>
<tr>
<td>UK</td>
<td>PCR-81UK-183B2</td>
<td>United Kingdom</td>
<td>Type G</td>
</tr>
<tr>
<td>AU</td>
<td>PCR-81AU-183B</td>
<td>Australia</td>
<td>Type I</td>
</tr>
<tr>
<td>DK</td>
<td>PCR-81DK-183B</td>
<td>South Korea</td>
<td>Type F</td>
</tr>
<tr>
<td>DM</td>
<td>PCR-81DRM-183B</td>
<td>Denmark</td>
<td>Type K</td>
</tr>
<tr>
<td>SW</td>
<td>PCR-81SW-183B</td>
<td>Switzerland</td>
<td>Type G</td>
</tr>
</tbody>
</table>

**AC CABLE**

**SPI PN:** PCR-B3US-183C OR EQ. (see table)

**OVERALL LENGTH “L”**

**TPE OVERMOLD**

---

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Targeting device cables and adapters

### JTAC-TOUGH™

**STAR-PAN™**

Targeting device cables and adapters

<table>
<thead>
<tr>
<th>Part No. / Description</th>
<th>NATO Stock No. NSN</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-041 Vector 21 / 23B Cable</td>
<td>5995-01-048-8004</td>
<td>87</td>
</tr>
<tr>
<td>808-049 PLRF 1SC / 2SC Cable</td>
<td>5995-01-093-5683</td>
<td>88</td>
</tr>
<tr>
<td>808-212 STERNA True North Finder (TNF) cable</td>
<td>5995-01-094-4726</td>
<td>89</td>
</tr>
<tr>
<td>808-241 JIM-LR with STERNA Cable</td>
<td>808-246 JIM-LR Cable</td>
<td>01</td>
</tr>
<tr>
<td>808-219 JIM-Compact Cable</td>
<td>5995-01-684-4726</td>
<td>92</td>
</tr>
<tr>
<td>808-217 Moskito TI with STERNA Cable</td>
<td>5995-01-687-7767</td>
<td>93</td>
</tr>
<tr>
<td>808-218 Moskito TI Cable</td>
<td>5995-01-687-7768</td>
<td>94</td>
</tr>
<tr>
<td>808-251 Moskito TI RS-23 to USB Converter Cable</td>
<td>5995-01-687-7769</td>
<td>95</td>
</tr>
<tr>
<td>808-219 Moskito TI-P2 Cable, Right-Angle Overmold with Switch</td>
<td>5995-01-687-7770</td>
<td>96</td>
</tr>
<tr>
<td>808-247 Moskito TI-P2 Cable, Right-Angle Overmold</td>
<td>5995-01-687-7771</td>
<td>97</td>
</tr>
<tr>
<td>808-250 Moskito TI-S1 with STERNA Cable</td>
<td>5995-01-687-7772</td>
<td>98</td>
</tr>
</tbody>
</table>

**How to Order**

Sample Part Number: 808-041

**Cable Series**

- Vector 21/23B/Moskito Data Cable

**Specifications**

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

For Safran Vectronix

Vector 21/21B and Moskito

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TARGETING CABLES AND ADAPTERS

**JPAC-TOUGH™ STAR-PAN™**
Targeting device cables and adapters
808-049 PLRF 15C / 25C Cable

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

**HUB PORT DESIGNATOR:** PAN

**HOW TO ORDER**
Sample Part Number: 808-049 -50

- Cable Series: PLRF 15C/25C Laser Range Finder Cable
- Length Designator: Omit for default length of 45.00"

---

**JPAC-TOUGH™ STAR-PAN™**
Targeting device cables and adapters
808-212 STERNA True North Finder (TNF) Cable

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

**HUB PORT DESIGNATOR:** PAN

**HOW TO ORDER**
Sample Part Number: 808-212 -18

- Cable Series: STERNA TNF Data Cable
- Length Designator: Omit for default length of 24.00"
**TARGETING CABLES AND ADAPTERS**

**JTAC-TOUGH™ STAR-PAN™**
Targeting device cables and adapters
808-241 JIM-LR with STERNA Cable

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>Cable Series</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-241</td>
<td>STERNA/JIM-LR RS-422 to USB Converter Cable</td>
<td>Omit for default length of 48.00”</td>
</tr>
</tbody>
</table>

**JIM-LR with STERNA Cable**

**TARGETING CABLES AND ADAPTERS**

**JTAC-TOUGH™ STAR-PAN™**
Targeting device cables and adapters
808-246 JIM-LR Cable

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>Cable Series</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-246</td>
<td>STERNA/JIM-LR RS-422 to USB Converter Cable</td>
<td>Omit for default length of 48.00”</td>
</tr>
</tbody>
</table>

**JIM-LR Cable**
# Targeting Cables and Adapters

## STAR-PAN™ Specifications

### 808-219 JIM Compact Cable
- **Qualified for use with:** STAR-PAN™ power/data hubs
- **Light, II, IV, and VI**

#### HOW TO ORDER
<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>808-219 -30</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable Series</strong></td>
<td>JIM Compact Adapter Cable</td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
<td>808-219-30</td>
</tr>
<tr>
<td><strong>Optional</strong></td>
<td>Omit for default length of 40.00”</td>
</tr>
</tbody>
</table>

#### JTAC-TOUGH™
- For connection of referenced targeting device to STAR-PAN power/data hubs
- Polyurethane-jacketed cable and ergonomic TPE overmold, black
- Integrated Ethernet to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Lemo peripheral device connectors
- Weight, 40” cable: 11.5g
- Export classification: ECCN 3A611.x

### TS8-488 JIM Compact Cable, Right-Angle Overmold with Switch
- **Qualified for use with:** STAR-PAN™ power/data hubs
- **Light, II, IV, and VI**

#### HOW TO ORDER
<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>TS8-488 -30</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable Series</strong></td>
<td>JIM Compact Adapter Cable</td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
<td>TS8-488-30</td>
</tr>
<tr>
<td><strong>Optional</strong></td>
<td>Omit for default length of 40.00”</td>
</tr>
</tbody>
</table>

#### JTAC-TOUGH™
- For connection of referenced targeting device to STAR-PAN power/data hubs
- Polyurethane-jacketed cable and ergonomic TPE overmold, black
- Integrated Ethernet to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Lemo peripheral device connectors
- Weight, 60” cable: (consult factory)
- Export classification: ECCN 3A611.x

---

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Dimensions are subject to change without notice.
## JTAC-TOUGH™ STAR-PAN™

Targeting device cables and adapters

### 808-207 JIM Compact P2 Cable, Right-Angle Overmold

**Specifications**
- For connection of referenced targeting device to STAR-PAN power/data hubs
- Polyurethane-jacketed cable and ergonomic TPE overmold, black
- Integrated Ethernet to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Lemo peripheral device connectors
- Weight, 36” cable: consult factory
- Export classification: ECCN 3A611.x

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>808-207</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>JIM Compact Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>36.00”</td>
</tr>
</tbody>
</table>

### 808-217 Moskito TI with STERNA Cable

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

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>808-217</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Moskito TI with STERNA RS-232-USB Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>24.00”</td>
</tr>
</tbody>
</table>
**JTAC-TOUGH™ STAR-PAN™**

**Targeting device cables and adapters**

**808-218 Moskito TI Cable**

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

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-218</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Moskito TII Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>30</td>
</tr>
</tbody>
</table>

**Moskito TI Cable**

**808-251 Moskito TI RS-232 to USB Converter Cable**

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

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-251</th>
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</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Moskito TII Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>30</td>
</tr>
</tbody>
</table>

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**TARGETING CABLES AND ADAPTERS**

**STAR-PAN™**

**Targeting device cables and adapters**

**808-116 Moskito TI - P1 Cable**

**SPECIFICATIONS**
- For connection of referenced targeting device to STAR-PAN power / data hubs
- Polyurethane-jacketed cable and ergonomic TPU overmold, black
- Integrated RS-232 to USB conversion circuitry
- Mighty Mouse 807 (NATO standard) hub and Fischer peripheral device connectors
- Weight, 24” cable: 100g
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-116</th>
<th>Length Designator:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable Series</strong></td>
<td>Moskito TI with Sterna RS-232 - USB Adapter Cable</td>
<td></td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
<td>Omit for default length of 24”</td>
<td></td>
</tr>
</tbody>
</table>

---

**TS8-427 Moskito TI-SI1 with STERNA Cable**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS8-427</th>
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</thead>
<tbody>
<tr>
<td><strong>Cable Series</strong></td>
<td>Moskito TI - SI1 with STERNA Cable</td>
</tr>
</tbody>
</table>

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Dimensions are subject to change without notice.
JTAC-TOUGH™

STAR-PAN™

Video downlink, GPS, and auxiliary device cables

808-040 DAGR GPS Cable

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

HOW TO ORDER

Sample Part Number: 808-040-36
Cable Series
DAGR GPS Cable
Length Designator
In inches
Omit for default length of 32.00"
STAR-PAN™ Video downlink, GPS, and auxiliary device cables
808-045 TacROVER-P SIR 2.0 Cable

**SPECIFICATIONS**
- For interconnection of C4ISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Nomex® braid, olive drab and TPE jacketed cable, black
- Overmolded, ergonomic connector strain reliefs.
- Mighty Mouse 807 (NATO standard) and 803 (bayonet-lock) connectors.
- Weight, 32" cable: 10kg
- Export classification: 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-045</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>TacROVER-P SIR 2.0 Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>36</td>
</tr>
</tbody>
</table>

TacROVER-P SIR 2.0 Cable

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STAR-PAN™ Video downlink, GPS, and auxiliary device cables
808-068 TacROVER-P SIR 2.5 Cable

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-068</th>
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<tbody>
<tr>
<td>Cable Series</td>
<td>TacROVER-P SIR 2.5 Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>6</td>
</tr>
</tbody>
</table>

TacROVER-P and -e SIR 2.5 Cable

---

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Dimensions are subject to change without notice.
**JTAC-TOUGH™ STAR-PAN™**

Video downlink, GPS, and auxiliary device cables

808-043 TacROVER-P SIR 2.5 Video Cable

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>Cable Series</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-043</td>
<td>TacROVER-P and -e SIR 2.5 Cable</td>
<td>Omit for default length of 24.00&quot;</td>
</tr>
</tbody>
</table>

---

**JTAC-TOUGH™ STAR-PAN™**

Video downlink, GPS, and auxiliary device cables

808-082 TacROVER-E SIR 2.5 Cable

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>Cable Series</th>
<th>P2 Bend Option</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-082</td>
<td>TacROVER-P SIR 2.5 Cable</td>
<td>-U = &quot;U&quot; Bend, P2 Connector Side</td>
<td>In inches</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Omit for straight cable</td>
<td>Omit for default length of 33.00&quot;</td>
</tr>
</tbody>
</table>
**STAR-PAN™**

**Video downlink, GPS, and auxiliary device cables**

**808-067 TacROVER-P SIR 2.5 Cable**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-067</th>
<th>-U</th>
<th>-40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>TacROVER-P SIR 2.5 Cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P2 Bend Option</td>
<td>U = &quot;U&quot; Bend, P2 Connector Side</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches: Dotted for default length of 33.00&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**808-267 TacROVER-E SIR 2.5 Cable**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-267</th>
<th>-U</th>
<th>-40</th>
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</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>TacROVER-E SIR 2.5 Cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P2 Bend Option</td>
<td>U = &quot;U&quot; Bend, P2 Connector Side</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches: Dotted for default length of 33.00&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**JTAC-TOUGH™**

**STAR-PAN™**

**Video downlink, GPS, and auxiliary device cables**

**808-067 TacROVER-P SIR 2.5 Cable**

**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**

**808-267 TacROVER-E SIR 2.5 Cable**

**VIDEO / GPS AND AUXILIARY CABLES**

**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**

**808-067 TacROVER-P SIR 2.5 Cable**

**VIDEO / GPS AND AUXILIARY CABLES**

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

**HUB PORT DESIGNATOR:**

- PAN

**JTAC-TOUGH™**

**STAR-PAN™**

**Video downlink, GPS, and auxiliary device cables**

**808-067 TacROVER-P SIR 2.5 Cable**

**VIDEO / GPS AND AUXILIARY CABLES**

**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**

**808-267 TacROVER-E SIR 2.5 Cable**

**VIDEO / GPS AND AUXILIARY CABLES**

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

**HUB PORT DESIGNATOR:**

- PAN

**Radio Power Boost**
**JTAC-TOUGH™ STAR-PAN™**

Video downlink, GPS, and auxiliary device cables

808-152 TacROVER-P SIR 2.5 with TAC-EYE Cable

**SPECIFICATIONS**

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

**HOW TO ORDER**

Sample Part Number: 808-152 -U -28

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>808-152 -U -28</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2 Bend Option</td>
<td>U = &quot;U&quot; Bend, P2 Connector Side</td>
</tr>
<tr>
<td>Length Designator</td>
<td>Omit for straight cable</td>
</tr>
</tbody>
</table>

**JTAC-TOUGH™ STAR-PAN™**

Video downlink, GPS, and auxiliary device cables

808-117 Tactical Net Rover Cable

**SPECIFICATIONS**

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

**HOW TO ORDER**

Sample Part Number: 808-117 -28

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>808-117 -28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>In inches</td>
</tr>
<tr>
<td>Omit for default length of 24.00”</td>
<td></td>
</tr>
</tbody>
</table>
JTAC-TOUGH™
STAR-PAN™
Video downlink, GPS, and auxiliary device cables
808-151 Tactical Net Rover Cable

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

How to Order
Sample Part Number: 808-151
Cable Series: TNR Cable, with RPB
Length Designator: In inches
Omit for default length of 24.00”

JTAC-TOUGH™
STAR-PAN™
Video downlink, GPS, and auxiliary device cables
TS8-404 Tactical Net Rover cable with RPB and TAC-EYE Adapter

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

How to Order
Sample Part Number: TS8-404
Cable Series: TNR Cable, without RPB
Length Designator: In inches
Omit for default length of 24.00”

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**JTAC-TOUGH™ STAR-PAN™**

**Video downlink, GPS, and auxiliary device cables**

808-224 StrikeHawk Digital Cable

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-224</th>
<th>-28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>StrikeHawk Digital Cable</td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>For public</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 24.00&quot;</td>
<td></td>
</tr>
</tbody>
</table>

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**JTAC-TOUGH™ STAR-PAN™**

**Video downlink, GPS, and auxiliary device cables**

TS8-424 Remote Secure Receiver-to-PAN Port Cable

**SPECIFICATIONS**

- 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 Switchcraft / L-Com peripheral connectors
- Weight, 30" cable, (consult factory)
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS8-424</th>
<th>-40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Remote Secure Receiver-to-PAN Port cable</td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Minimum length 24&quot;, maximum 180&quot;, Omit for default length of 30.00&quot;</td>
<td></td>
</tr>
</tbody>
</table>

---

Dimensions are subject to change without notice.
**STAR-PAN™**

Video downlink, GPS, and auxiliary device cables

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-101</td>
<td>Panasonic® Toughpad FZ-M1/FZ-B2 Adapter</td>
<td>116</td>
</tr>
<tr>
<td>808-103</td>
<td>Toughpad FZ-M1/FZ-B2 Adapter with Cable</td>
<td>117</td>
</tr>
<tr>
<td>808-281</td>
<td>Juggernaut QD USB-C Host Cable with Power Delivery</td>
<td>118</td>
</tr>
<tr>
<td>755-018</td>
<td>Juggernaut IMPACT USB-C Host Cable with Power Delivery</td>
<td>119</td>
</tr>
<tr>
<td>808-092</td>
<td>Micro-B 2.0 Adapter Cable</td>
<td>120</td>
</tr>
<tr>
<td>808-093</td>
<td>Micro-B USB 3.0 Adapter Cable</td>
<td>121</td>
</tr>
<tr>
<td>808-135</td>
<td>USB-C Cable</td>
<td>122</td>
</tr>
<tr>
<td>808-232</td>
<td>USB-C Host Cable with Power Delivery</td>
<td>123</td>
</tr>
<tr>
<td>808-102</td>
<td>USB On-The-Go Cable</td>
<td>124</td>
</tr>
<tr>
<td>808-096, -160, -271</td>
<td>Host Mode OTG Adapters</td>
<td>125</td>
</tr>
<tr>
<td>808-254</td>
<td>Host Mode OTG Adapter, USB Detect, Grounded ID Pin</td>
<td>126</td>
</tr>
<tr>
<td>808-259</td>
<td>Gender Changer Adapter</td>
<td>127</td>
</tr>
<tr>
<td>751-034</td>
<td>USB-C Host Mode Adapter</td>
<td>128</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- For interconnection of CAISR peripheral to STAR-PAN power / data hubs
- Integrated Ethernet to USB conversion circuitry
- Santoprene jacketed cable, black
- Overmolded, ergonomic connector strain relief, black
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connector and Switchcraft / L-Com peripheral connectors
- Weight, 34" cable, (consult factory)
- Export classification: ENGWI 009

<table>
<thead>
<tr>
<th>HOW TO ORDER</th>
<th>TYP. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Part Number:</td>
<td>TSP-467</td>
</tr>
<tr>
<td>Cable Series</td>
<td>Tinodrae FLIR BH3 Hangar cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>in inches</td>
</tr>
</tbody>
</table>

Dimensions are subject to change without notice.

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JTAC-TOUGH™
STAR-PAN™
Host/EUD cables, adapters, and accessories
808-101 Panasonic® Toughpad® FZ-M1 Adapter

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

HOW TO ORDER
Part Number: 808-101
Adapter Panasonic Toughpad FZ-M1 Adapter

Toughpad® FZ-M1 / FZ-B2 Adapter

CONNECTOR INSTALLATION
- Open latch indicator, red
- Closed position
- 90 degree latch action

SHOWN INSTALLED ON TABLET (TABLET NOT INCLUDED)

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JTAC-TOUGH™
STAR-PAN™
Host/EUD cables, adapters, and accessories
808-103 Panasonic® Toughpad® FZ-M1 Adapter with Cable

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

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

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

CONNECTOR INSTALLATION
- Open latch indicator, red
- Closed position
- 90 degree latch action

SHOWN INSTALLED ON TABLET (TABLET END NOT SHOWN FOR CLARITY)

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HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

EUD
HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES
SPECIFICATIONS

HUB PORT DESIGNATOR:
EUD

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

Juggernaut QD USB-C Host Cable with Power Delivery
808-281

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

HOW TO ORDER
Sample Part Number: 808-281
Cable Series
USB-C Charger Cable with Power Delivery
Length Designator
12.00 INCHES (+ 1.00/-1.00)

Juggernaut IMPCT USB-C Charger Cable with Power Delivery
TS3-018

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

HOW TO ORDER
Sample Part Number: TS3-018
Cable Series
USB-C Charger Cable with Power Delivery
Length Designator
12.00 INCHES (+ 1.00/-1.00)
## Micro-B USB 2.0 Cable

**HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number: 808-092</th>
<th>-001</th>
<th>-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>USB Interface Orientation</td>
<td>Left</td>
<td>Right</td>
</tr>
<tr>
<td>Length Designator</td>
<td>18&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**Micro-B USB 2.0 Cable**

- Overall length “L”
- Shrink label
- Mighty Mouse 807 (NATO standard) connector
- Weight, 18" cable: 26g

---

## Micro-B USB 3.0 Cable

**HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number: 808-093</th>
<th>-001</th>
<th>-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>USB Interface Orientation</td>
<td>Left</td>
<td>Right</td>
</tr>
<tr>
<td>Length Designator</td>
<td>18&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**Micro-B USB 3.0 Cable**

- Overall length “L”
- Shrink label
- Mighty Mouse 807 (NATO standard) connector
- Weight, 18" cable: 28g

---

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**JTAC-TOUGH™ STAR-PAN™**

Host/EUD cables, adapters, and accessories

808-135 USB-C Cable

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Adapter Series</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB-C Adaptor Cable</td>
<td>In inches: Max. 36.00 inches</td>
</tr>
</tbody>
</table>

**TPE OVERMOLD**

<table>
<thead>
<tr>
<th>PIN 2 IS FMLB</th>
</tr>
</thead>
</table>

**SHRINK LABEL**

M23053/5 (BLK) COVERED WITH M23053/18 (CLR) (LOCATION CENTER)

**OVERALL LENGTH “L”**

**JTAC-TOUGH™ STAR-PAN™**

Host/EUD cables, adapters, and accessories

808-232 USB-C Host Cable with Power Delivery

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Adapter Series</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Host USB-C Charging Cable</td>
<td>In inches: Max. 48.00 inches</td>
</tr>
</tbody>
</table>

**USB-C PD IN TPE OVERMOLD**

**OVERALL LENGTH “L”**

**GLENAIR CONNECTOR**

8070-1676-06ZNU6-6PY (PART NUMBER)

**GLENAIR YYWW 06324**

**Black Santoprene Jacket**
**JTAC-TOUGH™ STAR-PAN™**

**Host/EUD cables, adapters, and accessories**

808-102 USB On-The-Go Cable

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

---

**HOW TO ORDER**

**Part Number:** 808-102

**Connector Adapter:** Star-Pan USB On-The-Go Cable Adapter, 62g resistance

**Made in USA**

---

**STAR-PAN™**

**Host/EUD cables, adapters, and accessories**

808-096, -160, -271 Host Mode OTG Adapters

**SPECIFICATIONS**
- For interconnection of End User Device to STAR-PAN power / data hubs
- Aluminum, black zinc-nickel finish
- Mighty Mouse 807 (NATO standard) connector
- Weight: 6g
- Export classification: 3A611.x

---

**HOW TO ORDER**

**Part Number:** 808-096

**Connector Adapter:** Star-Pan Host Mode On-The-Go Adapter Connector, 64.9K resistance

**HOW TO ORDER**

**Part Number:** 808-160

**Connector Adapter:** Star-Con® Connector Saver/Adapter for Mighty Mouse 807 connectors, 49.9K resistance

**HOW TO ORDER**

**Part Number:** 808-271

**Connector Adapter:** Star-Con® Connector Saver/Adapter for Mighty Mouse 807 connectors, 82K resistance

---

Dimensions are subject to change without notice.
### JTAC-TOUGH™ HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

**8071-3628 Host Mode OTG Adapter, USB Detect, Grounded ID Pin**

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

**How to Order**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Connector Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>8071-3628</td>
<td>STAR-PAN Host Mode On-The-Go Adapter Connector, USB Detect, Grounded ID Pin</td>
</tr>
</tbody>
</table>

#### JTAC-TOUGH™ HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

**808-259 Gender Changer Adapter**

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

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>Adapter Series</th>
<th>No. of Wired Contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-259-6</td>
<td>Gender Changer Adapter</td>
<td>4 = Four Wired Contacts (default), 6 = Six Wired Contacts</td>
</tr>
</tbody>
</table>

**Dimensions are subject to change without notice.**
**JTAC-TOUGH™**

**STAR-PAN™**

Host/EUD cables, adapters, and accessories

TS1-034 USB-C Host Mode Adapter

**SPECIFICATIONS**

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

**HOW TO ORDER**

**Part Number:** TS1-034

**Connector Adapter** STAR-PAN USB-C Host Mode Adapter Connector, 5 K ohms resistor for direct tether

---

**COMMERCIAL PROTOCOL CABLES, ADAPTERS, AND ACCESSORIES**

**PART NO. / DESCRIPTION**

- 808-079: USB Type A Cable
- 808-145: USB Type A EUD Cable
- 808-053: PAN Port to USB-A Cable
- 808-110: DB-9F-232 Cable
- 808-078: RJ45 Plug Cable
- 808-084: RJ45 Receptacle Cable

**NATO Stock No. NSN**

- 5995-01-682-9409
- 5995-01-679-0913
- 5995-01-674-0054
- 5995-01-674-0054
- 5995-01-682-9477
- 5995-01-693-7143

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---

**COMMERCIAL PROTOCOL CABLES AND ADAPTERS**

- USB-A host adapter cable (without power)
- PAN device to USB-A Receptacle Adapter Cable
- Ethernet converter cable, RJ45 receptacle

Dimensions are subject to change without notice.
JTAC-TOUGH™
STAR-PAN™

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

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-079</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable Series</strong></td>
<td>USB-A Host Adapter Cable</td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
<td>9 inches. Maximum 180” Omit for default length of 18.00”</td>
</tr>
</tbody>
</table>

808-145 USB Type A EUD Cable

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-145</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable Series</strong></td>
<td>USB-A Host Adapter Cable</td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
<td>9 inches. Omit for default length of 18.00”</td>
</tr>
</tbody>
</table>

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**JTAC-TOUGH™ STAR-PAN™**

**Commercial protocol cables, adapters, and accessories**

808-053 PAN Port to USB-A Cable

**SPECIFICATIONS**
- PAN device to USB type A receptacle adapter cable
- Santoprene jacketed cable, black
- TPE overmolded, ergonomic connector strain relief, black
- Mighty Mouse 807 (NATO standard) connector and USB-A connector
  - Weight, 5" cable: 11g
  - Export classification: 3A611.x
- PAN port connection

**Pan Port to USB-A Cable**

<table>
<thead>
<tr>
<th>HOW TO ORDER</th>
<th>808-053 -12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Part Number:</strong></td>
<td><strong>Cable Series</strong></td>
</tr>
<tr>
<td></td>
<td>USB-A Receptacle Cable</td>
</tr>
<tr>
<td><strong>Length Designator:</strong></td>
<td>Omit for default length of 5.00&quot;</td>
</tr>
</tbody>
</table>

**HOW TO ORDER**

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

**Performance**
- Weight: 5" cable: 11g
- Export classification: 3A611.x
- PAN port connection

---

808-110 DB-9 RS-232 Cable

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

**DB9 RS-232 Cable**

<table>
<thead>
<tr>
<th>HOW TO ORDER</th>
<th>808-110 -32</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Part Number:</strong></td>
<td><strong>Cable Series</strong></td>
</tr>
<tr>
<td></td>
<td>DB-9 RS-232 Cable</td>
</tr>
</tbody>
</table>
| **Length Designator:** | Omit for default length of 24.00"

**HOW TO ORDER**

Sample Part Number: 808-110 -32
- Cable Series: DB-9 RS-232 Cable
- Length Designator: Omit for default length of 24.00"

**Performance**
- Weight: 24" cable: 88g
- Export classification: 3A611.x
- PAN RS-232 to USB
### RJ45 Plug Cable

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

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-078</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>STAR-PAN RJ45 Ethernet Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>24&quot; (default)</td>
</tr>
</tbody>
</table>

**Dimensions**
- Overall Length "L": 6.00 inches (±0.50)

### RJ45 Receptacle Cable

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

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-084</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>RJ45 Ethernet Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>30&quot; (default)</td>
</tr>
</tbody>
</table>

**Dimensions**
- Overall Length "L": 6.00 inches (±0.50)
**JTAC-TOUGH™**

**STAR-PAN™**

Soft Goods: Mission Kit Bag and Pouches, MOLLE Pouches

**SOFT GOODS: MISSION KIT BAG AND POUCHES**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Weight</th>
<th>Length</th>
<th>Material/Color</th>
<th>ECCN/EAR</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS4-011</td>
<td>Mission Kit Bag with Pouches - Complete Kit</td>
<td>2.08 lbs</td>
<td>L = 20&quot; W = 14&quot; D = 2.5&quot;</td>
<td>Cordura/Black</td>
<td>99</td>
<td>137</td>
</tr>
<tr>
<td>TS4-001</td>
<td>Mission Kit Bag</td>
<td>9 lbs</td>
<td>L = 20&quot; W = 14&quot; D = 2.5&quot;</td>
<td>Cordura/Black</td>
<td>99</td>
<td>137</td>
</tr>
<tr>
<td>TS4-002</td>
<td>Large Pouch</td>
<td>1.8 lbs</td>
<td>W = 18&quot; H = 4&quot;</td>
<td>Cordura/Black</td>
<td>99</td>
<td>138</td>
</tr>
<tr>
<td>TS4-003</td>
<td>Square Pouch</td>
<td>9 lbs</td>
<td>W = 9&quot; H = 9&quot;</td>
<td>Cordura/Black</td>
<td>99</td>
<td>138</td>
</tr>
<tr>
<td>TS4-004</td>
<td>Medium Pouch</td>
<td>9 lbs</td>
<td>W = 9.5&quot; H = 15&quot;</td>
<td>Cordura/Black</td>
<td>99</td>
<td>138</td>
</tr>
<tr>
<td>TS4-017</td>
<td>STAR-PAN II MOLLE Pouch</td>
<td>1.3 oz</td>
<td>L = 3.5&quot; W = 2.5&quot; H = 1.5&quot;</td>
<td>Cordura/Desert Tan or Camouflage</td>
<td>99</td>
<td>138</td>
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<tr>
<td>808-217-MC</td>
<td>STAR-PAN IV MOLLE Pouch</td>
<td>1.2 oz</td>
<td>L = 3.5&quot; W = 2.5&quot; H = 1.5&quot;</td>
<td>Cordura/Desert Tan or Camouflage</td>
<td>99</td>
<td>138</td>
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<tr>
<td>TS4-005</td>
<td>STAR-PAN VI MOLLE Pouch</td>
<td>4 oz</td>
<td>L = 5&quot; W = 7&quot; H = 1.5&quot;</td>
<td>Cordura/Desert Tan or Camouflage</td>
<td>99</td>
<td>138</td>
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</table>

**MISSION KIT BAG SPECIFICATIONS**

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

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

**HOW TO ORDER**

**Sample Part Number:** TS4-011

Soft Goods

| Mission Kit Bag with Pouches - Complete Kit |

**Kit Contents:**

- TS4-001 - Mission Bag (qty. 1)
- TS4-002 - Large Pouch (qty. 3)
- TS4-003 - Square Pouch (qty. 2)
- TS4-004 - Medium Pouch (qty. 2)

**MISSION KIT BAG SPECIFICATIONS**

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

**HOW TO ORDER**

**Sample Part Number:** TS4-001

Soft Goods

| Mission Kit Bag |

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Dimensions are subject to change without notice.
JTAC-TOUGH™
STAR-PAN™
Soft Goods: Mission Kit Bag and Pouches

STAR-PAN II HUB AND CABLE POUCH SPECIFICATIONS
- Designed to hold STAR-PAN II Power/Data Hubs or STAR-PAN system cables inside the Glenair STAR-PAN Mission Kit Bag
- Black Cordura mesh construction for quick visual reference of contents
- Dual rear Velcro hook strips
- Paracord zipper pulls
- Width = 18” Height = 4” Weight = .18 lbs.

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

STAR-PAN IV / VI HUB SQUARE POUCH SPECIFICATIONS
- Designed to hold STAR-PAN IV / VI hubs inside the Mission Kit Bag
- Black Cordura mesh construction for quick visual reference of contents
- Dual rear Velcro hook strips
- Paracord zipper pulls
- Width = 10” Height = 10” Weight = .9 lbs.

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

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

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

JTAC-TOUGH™
STAR-PAN™
Soft Goods: MOLLE pouches

STAR-PAN II MOLLE POUCH SPECIFICATIONS
- Tan or Camouflage Cordura
- Single-button snap-lock for mounting on MOLLE loops
- Front loop Velcro securely retains STAR-PAN II hub

HOW TO ORDER
Sample Part Number: TS4-017 -T
STAR-PAN MOLLE Pouch
Color Option T = Tan C = Camo

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

HOW TO ORDER
Sample Part Number: TS4-018 -T
STAR-PAN MOLLE Pouch
Color Option T = Tan C = Camo

STAR-PAN VI MOLLE POUCH SPECIFICATIONS
- Tan or Camouflage Cordura
- Single-button snap-lock for mounting on MOLLE loops
- Front loop Velcro securely retains STAR-PAN II hub

HOW TO ORDER
Sample Part Number: TS4-009 -C
STAR-PAN MOLLE Pouch
Color Option T = Tan C = Camo
Innovative design meets key performance benchmarks for harsh vibration, shock, and environmental settings—as well as high-altitude, unpressurized aircraft zones with aggressive voltage ratings and altitude immersion standards.

**SAVE SIZE AND WEIGHT WITH SERIES 806 CONNECTORS**

- Series 806 Mil-Aero: Advanced performance, reduced size and weight

**SERIES 806 MIL-AERO: FEATURES / SPECIFICATIONS**

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

**AVAILABLE LIGHTWEIGHT ALUMINUM “CODE RED” HERMETICS**

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

**SMALLER AND LIGHTER WITH EQUAL D38999 PERFORMANCE?**

High-Density Layouts
- Twice as many contacts in a smaller package
- “Top Hat” Insulator
- High voltage rating, foolproof alignment
- Triple Ripple Wire Seal
- Reliable 75,000 ft. altitude immersion
Ultra low-profile, light weight, harsh-environment tactical connector with push-to-mate and lock / trigger-release mating

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

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

MOUSEBUD TECHNICAL SPECIFICATIONS

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

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

**SuperFly® Datalink**

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

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

**Series 882**

Cable Connectors

- Push-Pull Quick-Disconnect
- Latching EMI Springs
- O-ring Interface Seal

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

Cable connectors feature gold-plated crimp contacts, precision insulators, integral backshell, sealing grommet and machined shells.
HiPer 55116
QPL and high-performance MCOTS 55116
Audio / Radio Connector Technology

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

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

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

151-001 MIL-DTL-55116 QPL audio plug with wire strain relief
151-002 MIL-DTL-55116 QPL audio plug/overmold adapter
151-003 MIL-DTL-55116 QPL radio-mount jam nut receptacle
151-004 MIL-DTL-55116 QPL in-line receptacle, strain relief

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

SERIES 152 HIPER 55116 CONNECTOR SELECTION GUIDE

Audio plug, field serviceable, with wire strain relief and rigid contacts, crimp and solder cup
Overmolded audio plug cordset
Audio plug with shield termination porch, overmolding adapter and rigid contacts, crimp and solder cup
In-line receptacle with shield termination porch, overmolding adapter, and non-rigid spring contacts, crimp and solder cup
Overmolded audio plug cordset
Overmolded in-line audio receptacle cordset
Radio-mount jam nut audio receptacle with non-rigid spring contacts or PC tails and optional ground pins
Filtered radio-mount jam nut audio receptacle with non-rigid spring contacts, solder cup or PC tails
Special adapter configurations and protective covers
Military-grade, ruggedized field connectors that deliver improved environmental sealing, EMI/RFI grounding, and a broader range of wire termination options for RJ45 and USB—now for SuperSpeed 3.0

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

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

NEW SUPERSPEED USB 3.0 RUGGEDIZED FIELD CONNECTORS

- Cable plug
- Wall mount receptacle with metric clinch nuts
- Wall mount receptacle with slotted holes
- Wall mount receptacle with round holes
- Jam nut mount Receptacle

TURNKEY SUPERSPEED USB 3.0 CABLE ASSEMBLIES AND JUMPERS

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

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

SUPPORTED USA 3.0 CONNECTOR TYPES

- USB 3.0 male Type A
- USB 3.0 female Type A
- USB 3.0 male Micro B

USB ORIENTATION OPTIONS

- Vertical
- Horizontal

= Master Keyway
### Glenair, Inc.

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www.glenair.com

<table>
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<th>Company</th>
<th>Telephone</th>
<th>Facsimile</th>
<th>Email</th>
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<th>City</th>
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<tr>
<td>Glenair Power Products Group</td>
<td>203-741-1115</td>
<td>203-741-0053</td>
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<td></td>
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