JTAC-TOUGH™

STAR-PAN™

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

JANUARY 2020
Powering soldier connectivity and C4ISR mission success

Ruggedized soldier-worn electronics have revolutionized mission effectiveness. But the ongoing evolution of Digitally Aided Close Air Support (DACS) missions, including precision targeting, ground and air radio communications, real-time video downlink, GPS/navigation, and personal area network computing has added significant mission weight to the dismounted soldier ensemble. Battery power management for this broad range of electronic gear is a significant challenge in terms of mission time, weight and supply logistics. The Glenair STAR-PAN™ data hub and power distribution system enables the range of electronic gear is a significant challenge in terms of mission time, weight and supply logistics. The Glenair STAR-PAN™ data hub and power distribution system enables

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

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

Ultralife lightweight wearable battery with Mighty Mouse 807 panel mount receptacle

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

Juggernaut Case ruggedized EUD assembly with Mighty Mouse 807 dongle

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

TacROVER-e video downlink receiver with Mighty Mouse high-speed I/O connector and STAR-PAN interface cable
### STAR-PAN HUBS: SCALABLE MULTIPORT POWER AND DATA HUBS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Electrical Function</th>
<th>Weight</th>
<th>IP Rating</th>
<th>Protocol</th>
<th>ECCN / EAR</th>
<th>Page No.</th>
</tr>
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<tbody>
<tr>
<td>808-054</td>
<td>STAR-PAN Light bifurcated cable (battery plug / RADIO plug cable ends or battery plug / PAN receptacle cable ends)</td>
<td>Power + Data</td>
<td>122g</td>
<td>IP67</td>
<td>USB1.1, USB2.0</td>
<td>3A611.x</td>
<td>14</td>
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<tr>
<td>808-058</td>
<td>STAR-PAN I, with optional MOLLE clip</td>
<td>Power + Data</td>
<td>245g</td>
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<td>TS2-004</td>
<td>STAR-PAN II hub / cable assembly, with optional MOLLE pouch and MOLLE clip</td>
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<td>IP67</td>
<td>USB1.1, USB2.0, SMBus</td>
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<tr>
<td>808-194</td>
<td>STAR-PAN II connectorized hub, with optional MOLLE pouch and MOLLE clip</td>
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<td>IP67</td>
<td>USB1.1, USB2.0, SMBus</td>
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<tr>
<td>808-273</td>
<td>STAR-PAN IV, with optional MOLLE pouch and MOLLE clip</td>
<td>Power + Data</td>
<td>337g</td>
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<td>USB1.1, USB2.0, SMBus</td>
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<td>808-037</td>
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### GENERAL PURPOSE STAR-PAN CABLES

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<th>Standard Length</th>
<th>Cable Finish</th>
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<th>Page No.</th>
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<tbody>
<tr>
<td>808-047</td>
<td>General-Purpose STAR-PAN cable (for use with Mighty Mouse 807-equipped adapter cables, EUDs, batteries, and peripherals)</td>
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<td>808-081</td>
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<td>808-095</td>
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<td>808-244</td>
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<td>90°</td>
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<tr>
<td>808-129</td>
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<td>24</td>
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<td>808-130</td>
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### STAR-PAN MISSION MANAGER

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<tbody>
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### STARPAN RADIO CABLES AND ADAPTERS

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<th>Cable / Device Finish</th>
<th>ECCN / EAR</th>
<th>Page No.</th>
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<td>808-032</td>
<td>AN/PRC-152A Radio Adapter</td>
<td>Power + Data</td>
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<td>Black Zinc-Nickel 3A611.x</td>
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<td>AN/PRC-146 JEM Radio Adapter</td>
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<tr>
<td>808-032</td>
<td>OT-QAD Radio Adapter</td>
<td>Data</td>
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<td>808-235</td>
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<td>808-087</td>
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<td>Data</td>
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<td>TS8-402</td>
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<td>(consult factory)</td>
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### STARPAN TARGETING CABLES AND ADAPTERS

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<th>Standard Cable Length</th>
<th>Cable Finish</th>
<th>ECCN / EAR</th>
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<tbody>
<tr>
<td>808-041</td>
<td>Vector 21 / 21B Cable</td>
<td>Data</td>
<td>104g</td>
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<tr>
<td>808-049</td>
<td>PLRF 15C / 25C Cable</td>
<td>Data</td>
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<td>24”</td>
<td>Santoprene, Black</td>
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<td>808-238</td>
<td>PLRF 15C / 25C Cable (EUD)</td>
<td>Data</td>
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<tr>
<td>808-212</td>
<td>STERRA True North Finder (TFN) cable</td>
<td>Data + Power</td>
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<tr>
<td>808-241</td>
<td>JIP with STERRA Cable</td>
<td>Data + Power</td>
<td>250g</td>
<td>24”</td>
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<tr>
<td>808-246</td>
<td>JIP-Cable</td>
<td>Data + Power</td>
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<td>JIP Compact Cable</td>
<td>Data + Power</td>
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<td>808-217</td>
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<td>808-218</td>
<td>Moskito Ti Cable</td>
<td>Data + Power</td>
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<td>24”</td>
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<tr>
<td>808-251</td>
<td>Moskito Ti RF-232 to USB Converter Cable</td>
<td>Data + Power</td>
<td>50g</td>
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### VIDEO / GPS POWER AND DATA CABLES

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<td>808-045</td>
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<td>808-152</td>
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<td>808-063</td>
<td>Tactical Net Rover Cable</td>
<td>Data</td>
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<td>TS8-404</td>
<td>Tactical Net Rover Cable with TAC-EYE Adapter</td>
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### Safran Vectronix STERRA TFN Data Cable

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<th>Weight</th>
<th>Standard Cable Length</th>
<th>Cable Finish</th>
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<tbody>
<tr>
<td>808-069</td>
<td>Safran Vectronix Vector 21/21B and Moskito Data Cable</td>
<td>PLRF 15C/25C Laser Range Finder Cable</td>
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<td>24”</td>
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Dimensions are subject to change without notice.
### STAR-PAN-TO-HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

<table>
<thead>
<tr>
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<th>Description</th>
<th>Electrical Function</th>
<th>Weight</th>
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<tr>
<td>808-101</td>
<td>Panasonic® Toughpad FZ-M1/FZ-B2 Adapter</td>
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<td>12&quot;</td>
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<td>808-103</td>
<td>Toughpad FZ-M1/FZ-B2 Adapter with Cable</td>
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<td>Santoprene, Black</td>
<td>99</td>
<td>96</td>
</tr>
<tr>
<td>808-281</td>
<td>Juggernaut USB-C Host Cable w/Power Delivery</td>
<td>Data + Power</td>
<td>72g</td>
<td>24&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>97</td>
</tr>
<tr>
<td>808-102</td>
<td>USB On-The-Go Cable</td>
<td>Data + Power</td>
<td>62g</td>
<td>6&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>98</td>
</tr>
<tr>
<td>808-096, 808-160, 808-271</td>
<td>Host Mode OTG Adapters</td>
<td>Data + Power</td>
<td>8g</td>
<td>5&quot;</td>
<td>Black Zinc-Nickel</td>
<td>3A611.x</td>
<td>99</td>
</tr>
<tr>
<td>808-259</td>
<td>Gender Changer Adapter</td>
<td>Data + Power</td>
<td>11g</td>
<td>5&quot;</td>
<td>Black Zinc-Nickel</td>
<td>99</td>
<td>100</td>
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</tbody>
</table>

### COMMERCIAL PROTOCOL CABLES, ADAPTERS, AND ACCESSORIES

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Electrical Function</th>
<th>Weight</th>
<th>Standard Cable Length</th>
<th>Cable Finish</th>
<th>ECCN / EAR</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-079</td>
<td>USB Type A Cable</td>
<td>Data + 5V Power</td>
<td>20g</td>
<td>18&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>102</td>
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<tr>
<td>808-145</td>
<td>USB Type A EUD Cable</td>
<td>Data + 5V Power</td>
<td>26g</td>
<td>18&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>103</td>
</tr>
<tr>
<td>808-053</td>
<td>PAN Port to USB-A Cable</td>
<td>Data + 5V Power</td>
<td>18g</td>
<td>5&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>104</td>
</tr>
<tr>
<td>808-111</td>
<td>USB On-The-Go Adapter Cable</td>
<td>Data + 5V Power</td>
<td>20g</td>
<td>5&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>105</td>
</tr>
<tr>
<td>808-233</td>
<td>USB-C Host to USB-A Cable with Power Delivery</td>
<td>Data + Power</td>
<td>68g</td>
<td>24&quot;</td>
<td>Santoprene, Black</td>
<td>99</td>
<td>106</td>
</tr>
<tr>
<td>808-078</td>
<td>RJ45 Plug Cable</td>
<td>Data + Power</td>
<td>68g</td>
<td>36&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>108</td>
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<tr>
<td>808-084</td>
<td>RJ45 Receptacle Cable</td>
<td>Data + Power</td>
<td>94g</td>
<td>36&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>109</td>
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</table>

### 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>TS4-001</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>110</td>
</tr>
<tr>
<td>TS4-002</td>
<td>Large Pouch</td>
<td>18 lbs</td>
<td>W = 18&quot; H = 4&quot;</td>
<td>Cordura/Black</td>
<td>99</td>
<td>111</td>
</tr>
<tr>
<td>TS4-003</td>
<td>Square Pouch</td>
<td>9 lbs</td>
<td>W = 10&quot; H = 10&quot;</td>
<td>Cordura/Black</td>
<td>99</td>
<td>111</td>
</tr>
<tr>
<td>TS4-004</td>
<td>Medium Pouch</td>
<td>5 lbs</td>
<td>W = 9.5&quot; H = 5&quot;</td>
<td>Cordura/Black</td>
<td>99</td>
<td>111</td>
</tr>
</tbody>
</table>
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.

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

STAR-PAN EMBEDDED SYSTEM POWER MANAGEMENT

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

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

- 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

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.

The STAR-PAN system features a dedicated auxiliary power port with voltage regulation for battery charging.

STAR-PAN POWER BOOSTER AND SUPPORTED BATTERIES

The STAR-PAN system uses 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 features a dedicated auxiliary power port with voltage regulation for battery charging.
STAR-PAN™ Android / Windows Apps and ATAK Plug-In

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

STAR-PAN system software offers microprocessor-controlled power management as well as firmware-controlled power management via SPAR (STAR-PAN Android Remote) and WASP (Windows Application STAR-PAN) apps. These two open-system applications deliver seamless integration with Android- and Windows-based End User Devices. An additional STAR-PAN app, the ATAK plug-in, integrates STAR-PAN battery and power management directly into ATAK (Android Tactical Assault Kit), the leading DACAS software application used by the JTAC community. Familiar touch-screen controls and easy-to-read graphical user interface allows soldiers in the field to quickly and easily view and manage port priority, charge state, and system battery state for the STAR-PAN system and all interconnected peripherals.

STAR-PAN ANDROID REMOTE (SPAR) POWER MANAGEMENT APP

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

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

ANDROID / WINDOWS APPS WITH SEAMLESS ATAK INTEGRATION

- Independent port power management
- System battery state management
- API interface for software integration
- Power protection

STAR-PAN ANDROID REMOTE (SPAR) POWER MANAGEMENT APP

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

STAR-PAN ATAK PLUG-IN

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

- Available on request if not provided with ATAK build
- Works simultaneously with SPAR
- Available for quick power management without switching applications

JTAC-TOUGH™

STAR-PAN™

Android and Windows Power Management Apps and ATAK plug-in

STAR-PAN ANDROID REMOTE (SPAR) 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

WINDOWS APPLICATION for STAR-PAN (WASP) POWER MANAGEMENT APP

API interface for software integration

Power protection

Power logging feature

Available with all hubs

Root not required

Supports multiple connections via Android API

Available on request if not provided with ATAK build

Works simultaneously with SPAR

Available for quick power management without switching applications

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

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

### STAR-PAN LIGHT CAPABILITY DIAGRAM

- 1 designated host / EUD port
- 1 battery cable / port
- 1 designated peripheral cable / port
- Expandable for radio use with adapter cable

**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

**HOW TO ORDER**

- Sample Part Number: 808-054
- STAR-PAN Series 808-054 = battery plug and RADIO plug ends
- 808-058 = battery plug and PAN receptacle ends
- Length Designator
  - Limit for default length of 24.00”

**PERFORMANCE SPECIFICATIONS**

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

- **Battery Port**
  - Battery Input Voltage: 10V to 20V
  - Battery Supply Current: 5A maximum system supply current
  - SMBus Data: -0.5V to +3.5V

- **Radio Port**
  - Battery Voltage: 10.0V to 20.0V, 14.8V typical
  - 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: 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
  - SMBus Data: -0.5V to +3.5V

**PERFORMANCE SPECIFICATIONS**

- **Battery Port**
  - Battery Input Voltage: 10.0V to 20.0V, 14.8V typical
  - 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: 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
  - SMBus Data: -0.5V to +3.5V

**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
STAR-PAN™ I

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

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

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

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

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

- Supports soldier EUD/Host, Radio, and up to 2 USB peripheral ports for extended missions or battery substitution.
- Provides battery power and +5VBus power via 2 cabled power input ports.
- SMBus, USB2.0 (full and high-speed), USB1.1 compatible interface.
- Power monitoring and management for each voltage rail and port.
- Universal PAN compliant port (expandable for up to two devices).
- Supports hot-swappable power sources and radio-supplied backup power.
- Heat-efficient electronics packaging to optimize efficiency and extend battery life.

**PAN APPLICATIONS**

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

**PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature</td>
<td>-40°C to +80°C</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-12°C to +49°C</td>
</tr>
<tr>
<td>Operation Altitude</td>
<td>7/24m</td>
</tr>
<tr>
<td>Storage Altitude</td>
<td>1/4m</td>
</tr>
<tr>
<td>Water Immersion, Mated</td>
<td>MIL-STD-810, Method 512, 1m for 1hr, IP67 rated dust / water resistant</td>
</tr>
<tr>
<td>Host &amp; Port</td>
<td></td>
</tr>
<tr>
<td>Battery Voltage</td>
<td>10.0V to 20.0V, 1.44V typical</td>
</tr>
<tr>
<td>Battery Supply Current</td>
<td>3.5A Maximum per individual port</td>
</tr>
<tr>
<td>Battery Supply Current</td>
<td>5A Maximum per individual port</td>
</tr>
<tr>
<td>USB2.0 Supply Voltage</td>
<td>4.0V to 5.0V, 4.90V typical</td>
</tr>
<tr>
<td>USB2.0 Supply Current</td>
<td>3A Maximum per individual port</td>
</tr>
<tr>
<td>USB +/USB</td>
<td>-5V to +5V</td>
</tr>
<tr>
<td>Battery Port</td>
<td></td>
</tr>
<tr>
<td>Battery Voltage</td>
<td>14.8V, 3A Max, based on radio supply, radio 1 primary</td>
</tr>
<tr>
<td>Battery Supply Current</td>
<td>1A per port</td>
</tr>
<tr>
<td>Battery Voltage</td>
<td>10.0V to 20.0V</td>
</tr>
<tr>
<td>Battery Current</td>
<td>5A maximum system supply current</td>
</tr>
<tr>
<td>SMBus Data</td>
<td>0.5V to 15V</td>
</tr>
</tbody>
</table>

**PRODUCT LINE-UP**

**STAR-PAN™ II 808-194 / 808-057**

2 port (expandable) power and data hub / cabled hub assembly

**STAR-PAN™ II PORT CONFIGURATION**

<table>
<thead>
<tr>
<th>Port</th>
<th>EUD</th>
<th>PAN</th>
<th>POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** HOW TO ORDER: HUB / CABLE ASSEMBLY VERSION**

**Sample Part Number:** 808-057

<table>
<thead>
<tr>
<th>Hub with Integrated Cables</th>
<th>Sample Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR-PAN™ II 2 port power/data hub with integrated cables</td>
<td>808-057</td>
</tr>
</tbody>
</table>

**HOW TO ORDER: HUB / CABLE ASSEMBLY VERSION**

**Sample Part Number:** 808-194

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>STAR-PAN™ II 2 port power/data hub</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-194</td>
<td>STAR-PAN™ II 2 port power/data hub</td>
</tr>
</tbody>
</table>

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

STAR-PAN™ II

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

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) [SOLISDR-H]
- ELBIT [PAN-1000, MCTR-7200HH]
- Silvus Technologies [SC4200, SC4400]
- Bittium [Tough SDR Handheld™]

GLENAIR STAR-PAN TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

<table>
<thead>
<tr>
<th>STAR-PAN Component Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR-PAN/Multiport USB and Power Distribution Hub</td>
<td>808-057</td>
</tr>
<tr>
<td>STAR-PAN Expansion Cable</td>
<td>808-051</td>
</tr>
<tr>
<td>PRC 58A Radio Data Adapter</td>
<td>808-052</td>
</tr>
<tr>
<td>DAGR GPS/Navigation Cable</td>
<td>808-054</td>
</tr>
<tr>
<td>PLRF 15C/25C Laser Range Finder Cable</td>
<td>808-060</td>
</tr>
<tr>
<td>TacROVER-p SIR 2.0 ISR Receiver Cable</td>
<td>808-053</td>
</tr>
<tr>
<td>TacROVER-e SIR Receiver Cable</td>
<td>808-157</td>
</tr>
<tr>
<td>USB 2.0 Adapter Cable</td>
<td>808-064</td>
</tr>
<tr>
<td>Hot-Swappable Battery Shoe</td>
<td>808-048</td>
</tr>
<tr>
<td>Radio Power Booster</td>
<td>808-044</td>
</tr>
</tbody>
</table>

* Example compatible devices, not supplied by Glenair

End User Device*

BATTERY CONNECTIONS

To Batteries

HOT SWAPPABLE BATTERY CONNECTIONS

To EUD

Glenair YYWW 06324

* Example compatible devices, not supplied by Glenair

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

**STAR-PAN II accessories**

**MOLLE pouch and clip**

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

**MOLLE POUCH SPECIFICATIONS**

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>T54-010</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR-PAN accessory</td>
<td>STAR-PAN II MOLLE pouch</td>
</tr>
</tbody>
</table>

**MOLLE CLIP SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>T54-007</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR-PAN accessory</td>
<td>STAR-PAN II MOLLE clip</td>
</tr>
<tr>
<td>Hub specifier</td>
<td>007 = 808-194 hub</td>
</tr>
<tr>
<td></td>
<td>006 = 808-057 hub with integrated cables</td>
</tr>
</tbody>
</table>

**STAR-PAN™ II**

**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**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-047</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>General-Purpose STAR-PAN cable</td>
</tr>
<tr>
<td>Cable Jacket Option</td>
<td>-S = Black Santoprene Jacket</td>
</tr>
<tr>
<td></td>
<td>Omit for standard Olive Drab Nomex</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches  Opt. for default length of 24.00”</td>
</tr>
</tbody>
</table>

**LENGTH TOLERANCE:**

- +0.050” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

**QUALIFIED FOR USE WITH**

All STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

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

**DESIGNED FOR STAR-PAN II.**

**EXPANDS PAN PORT TO UTILIZE TWO USB PERIPHERAL DEVICES**

**LENGTH TOLERANCE:**

- +0.050” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

**STAR-PAN™ II**

**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**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-081</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>STAR-PAN II Expansion Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches  Opt. for default length of 8.00”</td>
</tr>
</tbody>
</table>

**LENGTH TOLERANCE:**

- +0.050” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)
STAR-PAN™ 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
- Up to 3A 5 Volt VBUS power per port, 5A system total
- Brazed construction, integrated connectors
- Heat-efficient electronics packaging to optimize efficiency and extend battery life

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 backbone with power monitoring and management to connected external peripherals used in Digitally Aided Close Air Support (Dacas) and other mission applications. The hub is compatible with USB1.1, USB2.0 (full and high speed), and SMBus protocols. STAR-PAN™ IV contains two power inputs for extended missions. One radio port capable of powering up the USB Data backbone 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.

HOW TO ORDER

Sample Part Number: 808-273
Connectorized Hub

STAR-PAN IV PORT CONFIGURATION

- EUD
- RADIO
- PAN
- POWER

PERFORMANCE SPECIFICATIONS

Operating Conditions

| Storage Temperature | -40°C to +80°C |
| Operating Temperature | -32°C to +49°C |
| Operation Altitude | 9754m |
| Storage Altitude | 15240m |

Water Immersion, Mated MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant

Radio Port

| Battery Voltage | 10.0V to 20.0V, 14.8V typical |
| Battery Supply Current | 5A Maximum per individual port |
| +5V Backup Total Supply Current | 5A based on radio supply, Radio 1 primary |
| USB +/USB | -0.5V to +3.5V |

Battery Port

| Battery Voltage | 10.0V to 20.0V, 14.8V typical. Highest priority for power management |
| Battery Supply Current | 5A Maximum per individual port |
| +5V Backup Supply Current | 1.2A typical, 5A max, based on radio supply, Radio 1 primary |
| USB +/USB | -0.5V to +3.5V |

Auxiliary Power Supply Port

| Auxiliary Voltage Source | 10V to 30V |
| Auxiliary Supply Current | 5A maximum system supply current |

Battery Port

| Battery Input Voltage | 10V to 30V |
| Battery Supply Current | 5A maximum system supply current |
| Battery Charge Current | 5A |

STAR-PAN™ IV PORT CONFIGURATION

- EUD
- RADIO
- PAN
- POWER

PAN APPLICATIONS

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

Export of STAR-PAN™ USB Hub/Data 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.
**STAR-PAN™ IV**

**STAR-PAN™ IV**

808-273 4 port smart power / data hub system

**Configuration diagram**

**STAR-PAN VI CAPABILITY DIAGRAM**

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

**STAR-PAN VI Hub**

808-037 brazed-construction enclosure with IP67 sealed ports

- 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>STAR-PAN Component Description</th>
<th>Part Number</th>
</tr>
</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>
</tr>
<tr>
<td>TacROVER-e ISR Receiver Cable</td>
<td>808-043</td>
</tr>
<tr>
<td>TacROVER-p ISR 2.0 ISR Receiver Cable</td>
<td>808-107</td>
</tr>
<tr>
<td>Tactical Net Rover ISR Receiver Cable</td>
<td>808-212</td>
</tr>
<tr>
<td>STERNA TNF Adapter Cable</td>
<td>808-211</td>
</tr>
<tr>
<td>Hand-Held Radio Battery Shoe</td>
<td>808-056</td>
</tr>
<tr>
<td>BA5590/BB2590 Battery Shoe</td>
<td>808-048</td>
</tr>
<tr>
<td>Radio Power Booster</td>
<td>808-064</td>
</tr>
</tbody>
</table>

**STAR-PAN VI HUBS**

808-047 C1 EXTENSION CABLE

808-032 AN/PRC-153A Radio Data Adapter

808-037 brazed-construction enclosure with IP67 sealed ports

808-064 AC/DC Power Adapter Cable

808-043 TacROVER-e

808-045 TacROVER-p

808-040 DAGR GPS Receiver

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

- **DAGR GPS Receiver**
- **TacROVER-e ISR Receiver Cable**
- **TacROVER-p SIR 2.0 ISR Receiver Cable**
- **Tactical Net Rover ISR Receiver Cable**
- **STERNA TNF Adapter Cable**
- **Hand-Held Radio Battery Shoe**
- **BA5590/BB2590 Battery Shoe**
- **Radio Power Booster**
- **AC/DC Power Adapter Cable**

**Example compatible devices, not supplied by Glenair**

- **Hand-Held Radio**
- **Radio Power Booster**
- **AC/DC Power Adapter Cable**
- **BA5590/BB2590 Battery Shoe**
- **Radio Power Booster**
- **AC/DC Power Adapter Cable**

**Dimensions are subject to change without notice.**
MOLLE POUCH SPECIFICATIONS
- Desert tan Cordura
- Single-button snap-lock for mounting on MOLLE loops
- Front loop Velcro securely retains STAR-PAN IV hub

HOW TO ORDER
Sample Part Number: 808-273-MP

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

HOW TO ORDER
Sample Part Number: TS4-008
**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
- Brazed construction, integrated connectors
- Heat-efficient electronics packaging to optimize efficiency and extend battery life

**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 backbone 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 backbone 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.

**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
- Compatable Personal Area Network (PAN) pin configuration and Smart battery interface
- Built-in SMBus to USB converter to USB host device

**PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Operating Conditions</th>
<th>Storage Temperature</th>
<th>-40°C to +80°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-10°C to +70°C</td>
<td></td>
</tr>
<tr>
<td>Operation Altitude</td>
<td>3164m</td>
<td></td>
</tr>
<tr>
<td>Storage Altitude</td>
<td>14664m</td>
<td></td>
</tr>
<tr>
<td>Water Immersion, Mated</td>
<td>MIL-810G, Method 512, 1m for 1hr., IP67 rated dust / water resistant</td>
<td></td>
</tr>
</tbody>
</table>

**HOW TO ORDER**

Sample Part Number: 808-037

**STAR-PAN VI PORT CONFIGURATION**

| EUD | PAN 4 | POWER 2 |

**PAN APPLICATIONS**

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

**STAR-PAN™ VI PORT CONFIGURATION**

<table>
<thead>
<tr>
<th>Host &amp; Pan 1–4</th>
<th>Battery Voltage</th>
<th>10.0V to 20.0V, 14.8V typical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Supply Current</td>
<td>3A maximum per individual port</td>
<td></td>
</tr>
<tr>
<td>USB Backup Total Supply Current</td>
<td>5A based on radio supply, Radio 1 primary</td>
<td></td>
</tr>
<tr>
<td>USB +USB</td>
<td>-0.5V to +5.5V</td>
<td></td>
</tr>
<tr>
<td>Radio 1 and 2 Ports</td>
<td>Battery Voltage</td>
<td>10.0V to 20.0V, 14.8V typical. Highest priority for power management</td>
</tr>
<tr>
<td>Battery Supply Current</td>
<td>3A maximum per individual port</td>
<td></td>
</tr>
<tr>
<td>USB Backup Supply Current</td>
<td>1.2A typical, 3A max, based on radio supply, radio 1 primary</td>
<td></td>
</tr>
<tr>
<td>+5V Back-Up Supply Current</td>
<td>5A per port</td>
<td></td>
</tr>
<tr>
<td>USB +USB</td>
<td>-0.5V to +5.5V</td>
<td></td>
</tr>
<tr>
<td>Auxiliary Power Supply Port</td>
<td>Auxiliary Voltage Source</td>
<td>10V to 36V</td>
</tr>
<tr>
<td>Auxiliary Supply Current</td>
<td>5 A maximum system supply current</td>
<td></td>
</tr>
<tr>
<td>Battery Port</td>
<td>Battery Input Voltage</td>
<td>10V to 20V</td>
</tr>
<tr>
<td>Battery Supply Current</td>
<td>5A maximum system supply current</td>
<td></td>
</tr>
<tr>
<td>Battery Charge Current</td>
<td>5A</td>
<td></td>
</tr>
</tbody>
</table>

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

Dimensions are subject to change without notice.
**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
- 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 CAPABILITY DIAGRAM**

- DAGR GPS/Navigation Cable
- RT-1922 MicroLight SADL Radio Cable
- PRC 152A Radio Data Adapter
- TacROVER-e ISR Receiver Cable
- TacROVER-p SIR 2.0 ISR Receiver Cable
- Tactical Net Rover ISR Receiver Cable
- PRLF 15C/25C Laser Range Finder Cable
- USB 2.0 Adapter Cable
- Hand-Held Radio Battery Shoe
- BA5590/BB2590 Battery Shoe
- Radio Power Booster
- AC/DC Power Adapter Cable

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

<table>
<thead>
<tr>
<th>STAR-PAN VI Component Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR-PAN VI Multiport USB and Power Distribution Hub</td>
<td>808-047</td>
</tr>
<tr>
<td>STAR-PAN General-Purpose Extension Cable</td>
<td>808-048</td>
</tr>
<tr>
<td>DAGR GPS/Navigation Cable</td>
<td>808-040</td>
</tr>
<tr>
<td>RT-1922 MicroLight SADL Radio Cable</td>
<td>808-044</td>
</tr>
<tr>
<td>PRC 152A Radio Data Adapter</td>
<td>808-052</td>
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<tr>
<td>TacROVER-e ISR Receiver Cable</td>
<td>808-043</td>
</tr>
<tr>
<td>TacROVER-p SIR 2.0 ISR Receiver Cable</td>
<td>808-045</td>
</tr>
<tr>
<td>Tactical Net Rover ISR Receiver Cable</td>
<td>808-117</td>
</tr>
<tr>
<td>PRLF 15C/25C Laser Range Finder Cable</td>
<td>808-049</td>
</tr>
<tr>
<td>USB 2.0 Adapter Cable</td>
<td>808-053</td>
</tr>
<tr>
<td>Hand-Held Radio Battery Shoe</td>
<td>808-066</td>
</tr>
<tr>
<td>BA5590/BB2590 Battery Shoe</td>
<td>808-048</td>
</tr>
<tr>
<td>Radio Power Booster</td>
<td>808-063</td>
</tr>
<tr>
<td>AC/DC Power Adapter Cable</td>
<td>808-064</td>
</tr>
</tbody>
</table>

* Example compatible devices, not supplied by Glenair

**STAR-PAN HUBS**

**STAR-PAN™ VI**

808-037 6 port smart power and data system

**Configuration diagram**

- DAGR GPS Receiver
- Auxiliary Power Sources (Kinetic Energy, Vehicle Power, AC Power, 2nd Battery)
- Tactical Net Rover**
- Radio Power Booster (RPB)
- Battery and auxiliary power source input

**STAR-PAN VI Hub**

- 6 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
- 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

**Dimensions are subject to change without notice.**
MOLLE POUCH SPECIFICATIONS
- Desert tan Cordura
- Single-button snap-lock for mounting on MOLLE loops
- Front loop Velcro securely retains STAR-PAN II hub

HOW TO ORDER
Sample Part Number: T54-009
STAR-PAN accessory STAR-PAN VI MOLLE pouch

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

HOW TO ORDER
Sample Part Number: T54-005
STAR-PAN accessory STAR-PAN VI MOLLE clip

JTAC-TOUGH™ STAR-PAN™
STAR-PAN VI accessories
808-047 General-Purpose STAR-PAN Cable

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

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

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

OVERALL LENGTH “L”
LENGTH TOLERANCE: +.050” (1.27mm) / -.00 for “L” ≤ 12.00” (304.8mm)
+1.80” (45.7mm) / -.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
+3% / -0 for “L” > 60.00” (1524mm)
### General-Purpose STAR-PAN Cables

**STAR-PAN™**

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

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

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

#### HOW TO ORDER

**Sample Part Number:** 808-095

| 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

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

**WIRE:** Flexible TPU Insulated Tin Plated Copper Braided Shield, High Strand, Tin Plated Copper Braid Outer Braid, Nomex® sleeving

**OVERALL LENGTH "L"**

**GLENAIR CONNECTOR, MATING INTERFACE IAW 8070-1676-06ZNU6-6PY**

**PIN 2 IS FMLB**

**OVERALL LENGTH "L"**

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

**PIN 2 IS FMLB**

**SAMPLE**

### General-Purpose STAR-PAN Cables

**STAR-PAN™**

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

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

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

#### HOW TO ORDER

**Sample Part Number:** 808-244

| 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

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

**WIRE:** Flexible TPU Insulated Tin Plated Copper Braided Shield, High Strand, Tin Plated Copper Braid Outer Braid, Nomex® sleeving

**OVERALL LENGTH "L"**

**GLENAIR CONNECTOR, MATING INTERFACE IAW 8070-1676-06ZNU6-422B**

**PIN 2 IS FMLB**

**OVERALL LENGTH "L"**

**GLENAIR CONNECTOR, MATING INTERFACE IAW 8070-1675-01ZNU6-422B**

**PIN 2 IS FMLB**

**SAMPLE**
STAR-PAN™ HUBS

SPECIFICATIONS

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

Flying lead assembly, PAN port connector

HOW TO ORDER

Sample Part Number: 808-129

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>STAR-PAN flying lead assembly, PAN port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>60 inches, Omit for default length of 6.00&quot;</td>
</tr>
</tbody>
</table>

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

LENGTH TOLERANCE:

- +0.050" (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

STARC® TOUGH™

General-Purpose STAR-PAN Cables

808-129 flying lead assembly, PAN port

Star-Pan™ Cables

808-130 flying lead assembly, RADIO, AUX, or BATT port

HOW TO ORDER

Sample Part Number: 808-130

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>STAR-PAN flying lead assembly, RADIO, AUX, or BATT port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>60 inches, Omit for default length of 6.00&quot;</td>
</tr>
</tbody>
</table>

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

LENGTH TOLERANCE:

- +0.050" (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)
**STAR-PAN™ MISSION MANAGER**

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

**GLENAIR MISSION MANAGER WITH MX QUICK-CONFIGURATION SOFTWARE**

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

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

**FEATURES**

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

**STAR-PAN™ MISSION MANAGER MX SOFTWARE CAPABILITIES**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS002</th>
</tr>
</thead>
</table>

**PERFORMANCE SPECIFICATIONS**

- **Operating Conditions**
  - Storage Temperature: -40°C to +80°C
  - Operating Temperature: -32°C to +49°C
  - Operation Altitude: 3,048m
  - Storage Altitude: 12,192m
- **Water Immersion, Mated** MIL-STD-810, Method 512, 1m for 1hr, IP67 rated dust / water resistant

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

**HEADLESS DATA MANAGEMENT AND ROUTING FOR ALL OPEN-SYSTEM PERIPHERAL DEVICES AS SHOWN BELOW (LIGHTWEIGHT SINGLE-RADIO CONFIGURATION ALSO SUPPORTED FOR PLUG-AND-PLAY INTEGRATION BETWEEN RADIO AND EUD).**

**STAR-PAN™ MISSION MANAGER WITH MX QUICK-CONFIGURATION SOFTWARE**

Mission Manager with MX Software
Plug-and-play EUD / USB peripheral data exchange device

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS002</th>
</tr>
</thead>
</table>

**PERFORMANCE SPECIFICATIONS**

- **Operating Conditions**
  - Storage Temperature: -40°C to +80°C
  - Operating Temperature: -32°C to +49°C
  - Operation Altitude: 3,048m
  - Storage Altitude: 12,192m
- **Water Immersion, Mated** MIL-STD-810, Method 512, 1m for 1hr, IP67 rated dust / water resistant

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

**HEADLESS DATA MANAGEMENT AND ROUTING FOR ALL OPEN-SYSTEM PERIPHERAL DEVICES AS SHOWN BELOW (LIGHTWEIGHT SINGLE-RADIO CONFIGURATION ALSO SUPPORTED FOR PLUG-AND-PLAY INTEGRATION BETWEEN RADIO AND EUD).**

**STAR-PAN™ MISSION MANAGER**

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

**FEATURES**

- Provide data and power to EUD without compromising security
- End User Device independent—no device rooting or custom ROM images needed
- Real-time, plug-and-play device integration
- Supports multiple simultaneous Ethernet devices
- Dedicated EUD port for connection to downstream EUD
- Minimal power demands
- Seamless integration into STAR-PAN systems
- NATO standard Mighty Mouse connector interface
- Mission Manager MX software Android, iOS, Windows and Linux compatible
- Export classification EAR99

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

Headless data management and routing for all open-system peripheral devices as shown below (lightweight single-radio configuration also supported for plug-and-play integration between radio and EUD)
**STAR-PAN™ Radio cables and adapters**

### 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: ECON 3A611.x

### HOW TO ORDER

**Sample Part Number:** 808-032 H -28

- **Cable Series**
  - AN/PRC-152A Radio Adapter Cable
- **Host ID Pin option**
  - H = with Host ID pin
  - Omit for standard configuration
- **Length Designator**
  - In inches (6.00" min.)
  - Omit for default length of 24.00"

### QUALIFIED FOR USE WITH

- All STAR-PAN POWER / DATA HUBS: LIGHT, I, II, IV, AND VI

### STAR-PAN RADIO CABLES AND ADAPTERS TABLE

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<td>T58-002 / T58-416</td>
<td>AN/PRC-165 Radio Adapter (PAN Port)</td>
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</table>

- **AN/PRC-152A Radio Adapter Cable**
- **AN/PRC-117G / RF-7800M-MP / RF7800H-MP Radio Adapter Cable**
- **RT-1922 Microlight SADL Radio Data Cable**

**LENGTH TOLERANCE:**
- +1.00" (25.4 mm) / -0.00 for “L” from 6.00" (152.4mm) to 24" (609.6mm)
- +1.80" (45.7mm) / -0.00 for “L” from 24" (609.6mm) to 60" (1524mm)
- +3% / -0 for “L” > 60.00" (1524mm)
Radio cables and adapters
808-156 AN/PRC 152A 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.
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connector.
- Weight, 20" cable: (consult factory)
- Export classification: ECCN 3A611.x
- PAN port connection

**HOW TO ORDER**
Sample Part Number: 808-156-24
Cable Series: AN/PRC 152-A Radio Adapter
Length Designator: 20" minimum

---

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

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

**HOW TO ORDER**
Sample Part Number: 808-051-24
Cable Series: AN/PRC 154 Radio Adapter
RADIO CABLES AND ADAPTERS

**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**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-039</th>
<th>-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>AN/PRC-148 Radio Adapter Cable</td>
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</tr>
<tr>
<td>Length Designator</td>
<td>24&quot;</td>
<td>Omit for default length of 20.00&quot;</td>
</tr>
</tbody>
</table>

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

**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:</th>
<th>808-132</th>
<th>-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>PNR 1000 Radio Adapter Cable</td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>21&quot;</td>
<td>Omit for default length of 21.00&quot;</td>
</tr>
</tbody>
</table>

**LENGTH TOLERANCE:**
- +.050" (1.27mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0.00 for "L" > 60.00" (1524mm)

**Dimensions are subject to change without notice.**
Radio cables and adapters
808-044 Raytheon RT-1922 Microlight SADL Radio Cable

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

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

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

---

Radio cables and adapters
808-158 Harris RF-7850S-TR Radio Cable

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

**How to Order**
Sample Part Number: 808-158
- Cable Series: RF-7580S-TR Radio Adapter Cable
- Length Designator: 20" inches - Omit for default length of 18.00"

Harris RF-7850S-TR Radio Cable

---
### JTAC-TOUGH™
#### 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

<table>
<thead>
<tr>
<th>HOW TO ORDER</th>
<th>808-257</th>
<th>-36</th>
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</thead>
<tbody>
<tr>
<td>Sample Part Number:</td>
<td>RF7800S Radio Adapter Cable</td>
<td></td>
</tr>
<tr>
<td>Cable Series:</td>
<td>RF7800S Radio Adapter Cable</td>
<td></td>
</tr>
<tr>
<td>Length Designator:</td>
<td>32” as standard, for other lengths consult factory</td>
<td></td>
</tr>
</tbody>
</table>

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

### JTAC-TOUGH™
#### STAR-PAN™
Radio cables and adapters
808-148 Harris RF-7800S Radio Cable (Radio Host)

**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

**LENGTH TOLERANCE:**
- +0.050” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

<table>
<thead>
<tr>
<th>HOW TO ORDER</th>
<th>808-148</th>
<th>-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Part Number:</td>
<td>RF7800S Radio Adapter Cable</td>
<td></td>
</tr>
<tr>
<td>Cable Series:</td>
<td>RF7800S Radio Adapter Cable</td>
<td></td>
</tr>
<tr>
<td>Length Designator:</td>
<td>32” as standard, for other lengths consult factory</td>
<td></td>
</tr>
</tbody>
</table>
Radio cables and adapters
808-166 AN/PRC-161 BATS-D Radio Adapter

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

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

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

Shrink label, M23053/5 OR EQ. (BLK) (LOCATED APPROX. CENTER)

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

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

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

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

Shrink marker, M23053/5 COVERED WITH M23053/18 (CLEAR) (PART NUMBER)

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

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

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

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

Shrink label, M23053/5 OR EQ. (BLK) (LOCATED APPROX. CENTER)

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

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

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

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

Shrink marker, M23053/5 COVERED WITH M23053/18 (CLEAR) (PART NUMBER)
**RADIO CABLES AND ADAPTERS**

**RADIO CABLES AND ADAPTERS**

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

**HOW TO ORDER**

| Sample Part Number: | 808-087 | R | -32 |
| Cable Series: | AN/PRC-117F / AN/PRC-150 / RF-5800H / RF-7800H-MP Radio Cable |
| Data Connector Angle: | R = Right angle data connector
| Omit = standard straight data connector |

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

**LENGTH TOLERANCE:**
- +0.50" (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3.9% / -0 for “L” > 60.00” (1524mm)

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

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**RADIO CABLES AND ADAPTERS**

**RADIO CABLES AND ADAPTERS**

**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 / RF-7800M-MP / RF7800H-MP Radio Cable |

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

**LENGTH TOLERANCE:**
- +0.50” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

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

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**RADIO CABLES AND ADAPTERS**

**RADIO CABLES AND ADAPTERS**

**SPECIFICATIONS**
- For interconnection of referenced radio types to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Ergonomic overmolding
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 36” cable: (consult factory)
- Export classification: ECCN 3A611.x
- PAN port connection

**HOW TO ORDER**

| Sample Part Number: | 808-087 | R | -32 |
| Cable Series: | AN/PRC-117F / AN/PRC-150 / RF-5800H / RF-7800H-MP Radio Cable |
| Data Connector Angle: | R = Right angle data connector
| Omit = standard straight data connector |

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

**LENGTH TOLERANCE:**
- +0.50” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

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

---

**RADIO CABLES AND ADAPTERS**

**RADIO CABLES AND ADAPTERS**

**SPECIFICATIONS**
- For interconnection of referenced man-pack radio type to STAR-PAN power / data hubs
- Santoprene jacketed cable, black
- Ergonomic overmolding
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 36” cable: (consult factory)
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

| Sample Part Number: | 808-035 | -24 |
| Cable Series: | AN/PRC-117G / RF-7800M-MP / RF7800H-MP Radio Cable |

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

**LENGTH TOLERANCE:**
- +0.50” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

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

---

**RADIO CABLES AND ADAPTERS**

**RADIO CABLES AND ADAPTERS**

**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 / RF-7800M-MP / RF7800H-MP Radio Cable |

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

**LENGTH TOLERANCE:**
- +0.50” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)
**Radio Cables and Adapters**

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

**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

**Dimensions:**
- Overall Length: 32.00" (812.8mm)

**How to Order:**
- Sample Part Number: 808-088
- Cable Series: AN/PRC-117G / RT7800 Radio Adapter Cable
- Length Designator: In inches
- Omit for default length of 32.00"

**Shrink Marker:**
- SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

**TPE Overmold:**
- Flexible TPU insulated tin plated copper braided shield, high strand, tin plated copper braid outer braid, Nomex slewing Glenair PN: 102-042 (OD GREEN)

** connectors:**
- P1: SHINING CONNECTOR BODY IN W/MATERIAL 100-4328
- P2: FISCHER CONNECTOR 34-102Z056-140
- TPE OVERMOLD

**Length Tolerance:**
- +0.050" (1.27mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

**How to Order:**
- Sample Part Number: 808-088-36
- Cable Series: AN/PRC-117G / RT7800 Radio Adapter Cable
- Length Designator: In inches
- Omit for default length of 32.00"

**Shrink Marker:**
- SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

**Fischer Connector:**
- SS 102 Z056-140

**Glenair Connector:**
- 8070-1676-06ZNU6-6PY-422B

**Glenair YYWW:**
- 06324

**TPE Insulated Wire:**
- Flexible TPU insulated tin plated copper

---

### TS8-402 · TS8-416 AN/PRC-163 Radio Adapter (PAN Port)

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

**Dimensions:**
- Overall Length: 32.00" (812.8mm)

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

**Shrink Marker:**
- SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

**Glenair Connector:**
- 8070-1676-06ZNU6-6PY-422B

**Glenair YYWW:**
- 06324

**TPE Insulated Wire:**
- Flexible TPU insulated tin plated copper

---

**Length Tolerance:**
- +0.050" (1.27mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

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

**Shrink Marker:**
- SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)

**Fischer Connector:**
- SS 102 Z056-140

**Glenair Connector:**
- 8070-1676-06ZNU6-6PY-422B

**Glenair YYWW:**
- 06324

**TPE Insulated Wire:**
- Flexible TPU insulated tin plated copper
JTAC-TOUGH™
STAR-PAN™
Power / battery cables and 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
Cable Series: BA5590 / BB2590 Battery Shoe

POWER CABLES AND BATTERY ADAPTERS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-048</td>
<td>Adapter Series, BA5590 / BB2590</td>
<td>59</td>
</tr>
<tr>
<td>808-242</td>
<td>BB2590 Battery Adapter with Charging and SMBus</td>
<td>60</td>
</tr>
<tr>
<td>808-133</td>
<td>Adapter Series, BB2590</td>
<td>61</td>
</tr>
<tr>
<td>808-066</td>
<td>Adapter Series, Battery Shoe for Harris and BT70716XX Handheld Radios</td>
<td>62</td>
</tr>
<tr>
<td>808-063</td>
<td>Adapter Series, Radio Power Booster (RPB)</td>
<td>63</td>
</tr>
<tr>
<td>808-059</td>
<td>Cigarette Lighter Power Adapter Cable</td>
<td>64</td>
</tr>
<tr>
<td>808-064</td>
<td>AC/DC Power Adapter Cable</td>
<td>65</td>
</tr>
</tbody>
</table>

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

BA5590/BB2590 Battery Shoe

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

GLENAIR INTERFACE
807-874-01ZNU6-6SY

ALUMINUM HOUSING
GLENAIR PLATING CODE ZR
1.115

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

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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: 808-242</th>
<th>GRN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>BB2590 Battery Connector</td>
</tr>
<tr>
<td>Strap Color Option</td>
<td>BLK = Black, GRN = Ranger Green, Odin = Coyote Tan</td>
</tr>
</tbody>
</table>

**BB2590 Parallel Charging Battery Adapter with SMBus**

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

<table>
<thead>
<tr>
<th>OVERALL LENGTH “L”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length: 4.60”</td>
</tr>
<tr>
<td>Width: 1.25”</td>
</tr>
<tr>
<td>Height: 2.70”</td>
</tr>
<tr>
<td>Depth: 1.00”</td>
</tr>
</tbody>
</table>

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

**Battery Connector for Bren-Tronics BT-70838 BE Battery**

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

- 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

**LENGTH TOLERANCE:**

<table>
<thead>
<tr>
<th>Tolerance</th>
<th>21.00” (533.4mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>+.050” (1.3mm)</td>
<td>/ -.000</td>
</tr>
<tr>
<td>+.180” (4.6mm)</td>
<td>/ -.000 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)</td>
</tr>
<tr>
<td>+.316” / -.000 for “L” &gt; 60.00” (1524mm)</td>
<td></td>
</tr>
</tbody>
</table>


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

Power cables and battery adapters

808-066 Battery Shoe for Harris and BT70716XX Handheld Radios

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

**HOW TO ORDER**

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

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

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

---

**JTAC-TOUGH™ STAR-PAN™**

Power cables and battery adapters

808-063 Radio Power Booster

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>808-068</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Radio Power booster</td>
</tr>
</tbody>
</table>

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

Supplied accessory

**SUPPLIED ACCESSORY**

Part No. 808-144

Dust Cover with O-Ring Seal
Rugged black polycarbonate with flanged/inside O-ring supplied with each assembly

Dimensions are subject to change without notice.
### 808-059 Cigarette Lighter Power Adapter Cable

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

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-059</td>
<td>Cigarette Lighter Power Adapter Cable</td>
</tr>
</tbody>
</table>

**Dimensions:**
- Overall length: 72" (183cm)
- Weight: 84g

**Length Tolerance:**
- +0.50" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0 for "L" > 60.00" (1524mm)

---

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

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

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-064 -EU -120</td>
<td>AC/DC Power Adapter</td>
</tr>
</tbody>
</table>

**Plug Type Option**

<table>
<thead>
<tr>
<th>Plug Type Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>PCR-B3US-183C North America (default) Type B</td>
</tr>
<tr>
<td>EU</td>
<td>PCR-B3EU-183B Europe Type E/F</td>
</tr>
<tr>
<td>UK</td>
<td>PCR-B3UK-183B United Kingdom Type G</td>
</tr>
<tr>
<td>AU</td>
<td>PCR-B3AU-183B Australia Type I</td>
</tr>
<tr>
<td>KR</td>
<td>PCR-B3KR-183B South Korea Type F</td>
</tr>
<tr>
<td>DM</td>
<td>PCR-B3DM-183B Denmark Type K</td>
</tr>
<tr>
<td>SW</td>
<td>PCR-B3SW-183B Switzerland Type G</td>
</tr>
</tbody>
</table>

**Length Tolerance:**
- +0.50" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0 for "L" > 60.00" (1524mm)
STAR-PAN™ Targeting device cables and adapters

<table>
<thead>
<tr>
<th>Part No. / Description</th>
<th>Page No.</th>
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<td>808-049 PLRF 15C / 25C Cable</td>
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<tr>
<td>808-238 PLRF 15C / 25C Cable (BoO)</td>
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<tr>
<td>808-212 STERNA True North Finder (TNF) cable</td>
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<tr>
<td>808-241 JJM LR with STERNA Cable</td>
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<td>808-246 JJM LR Cable</td>
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<td>808-219 JJM Compact Cable</td>
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<tr>
<td>808-217 Moskito Ti with STERNA Cable</td>
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<tr>
<td>808-218 Moskito Ti Cable</td>
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</tr>
<tr>
<td>808-251 Moskito Ti RS-232 to USB Converter Cable</td>
<td>76</td>
</tr>
</tbody>
</table>

How to Order

Sample Part Number: 808-041

Cable Series

Vector 21/23B/Moskito Data Cable

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

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

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**JTAC-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

**HOW TO ORDER**

Sample Part Number: 808-049

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>PLRF 15C/25C Laser Range Finder Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>omit for default length of 45.00”</td>
</tr>
</tbody>
</table>

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

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

LIGHT, I, II, IV, AND VI

**LENGTH TOLERANCE:**

+0.050” (1.27mm) / -0.00 for “L” ≤ 12.00” (304.8mm)

+1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)

+3% / -0 for “L” > 60.00” (1524mm)

---

**JTAC-TOUGH™ STAR-PAN™**

Targeting device cables and adapters

**808-238 PLRF 15C / 25C Cable (EUD)**

**SPECIFICATIONS**

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

**HOW TO ORDER**

Sample Part Number: 808-238

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>PLRF RS-232 to USB Converter Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID Option</td>
<td>1 for 49.9 kOhm - 2 for 64.9 kOhm</td>
</tr>
<tr>
<td>Length Designator</td>
<td>in inches. omit for default length of 45.00”</td>
</tr>
</tbody>
</table>

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

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

**OVERALL LENGTH “L”**

**LENGTH TOLERANCE:**

+0.050” (1.27mm) / -0.00 for “L” ≤ 12.00” (304.8mm)

+1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)

+3% / -0 for “L” > 60.00” (1524mm)

---

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**TARGETING CABLES AND ADAPTERS**

**TARGETING CABLES AND ADAPTERS**

**SPECIFICATIONS**

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

**HOW TO ORDER**

**Sample Part Number:** 808-212-18

**Cable Series:** STERNA TNF Data Cable

**Length Designator:** Omit for default length of 24.00”.

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

**LENGTH TOLERANCE:**
- +0.050” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

**TARGETING CABLES AND ADAPTERS**

**TARGETING CABLES AND ADAPTERS**

**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**

**Sample Part Number:** 808-241-36

**Cable Series:** STERNA/JIM-LR RS-422 to USB Converter Cable

**Length Designator:** In inches, 12” minimum

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

**LENGTH TOLERANCE:**
- +0.050” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)
### JTAC-TOUGH™ STAR-PAN™
Targeting device cables and adapters
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>808-246</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>STERN/AJIM-LR RS-422 to USB Converter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches, 12” minimum; Omit for default length of 48.00”</td>
</tr>
</tbody>
</table>

### JTAC-TOUGH™ STAR-PAN™
Targeting device cables and adapters
808-219 JIM Compact Cable

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

##### HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-219</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>JIM Compact Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches; Omit for default length of 40-00”</td>
</tr>
</tbody>
</table>

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**TARGETING CABLES AND ADAPTERS**

**JTAC-TOUGH™ STAR-PAN™**

**TARGETING CABLES AND ADAPTERS**

**808-217 Moskito Ti with STERNA Cable**

**SPECSIFICATIONS**

- 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**

**Sample Part Number:** 808-217 -30

**Cable Series:** Moskito Ti with STERNA RS-232 -USB Adapter Cable

**Length Designator:** Omit for default length of 24.00”.

**LENGTH TOLERANCE:**

- +0.50” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

**OVERALL LENGTH “L”**

**TAIL**

**OVERALL LENGTH “L”**

**TAIL**

---

**808-218 Moskito Ti Cable**

**SPECSIFICATIONS**

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

**HOW TO ORDER**

**Sample Part Number:** 808-218 -30

**Cable Series:** Moskito Ti Cable

**Length Designator:** Omit for default length of 24.00”.

**LENGTH TOLERANCE:**

- +0.50” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)
**JTAC-TOUGH™ STAR-PAN™**  
Targeting device cables and adapters  
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
- Mighty Mouse 807 (NATO standard) hub and Fischer peripheral device connection
- 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>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Moskito TI Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>N/A (Omit for default length of 24.00&quot;)</td>
</tr>
</tbody>
</table>

**LENGTH TOLERANCE:**
- +.050" (1.27mm) / -.00 for "L" ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -.00 for "L" > 60.00" (1524mm)

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

**OVERMOLD:** POLYURETHANE

**P1**
- TPU OVERMOLD
- TPU OVERMOLD

**P2**
- Fischer Connector, WSO102 A059 -140+
- TPU OVERMOLD

**P3**
- Shrink Marker, M23053/5 Covered with M23053/18 (Clear)
- Gleneair Connector 8070-1676-06ZNU6-6PY
- Pin 2 is FMLB

**JTAC-TOUGH™ STAR-PAN™**  
Video downlink, GPS, and auxiliary device cables

**VIDEO / GPS POWER AND DATA CABLES**

<table>
<thead>
<tr>
<th>Part No. / Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-040 DAGR GPS Cable</td>
<td>78</td>
</tr>
<tr>
<td>808-045 TacROVER p SIR 2.5 Cable</td>
<td>79</td>
</tr>
<tr>
<td>808-068 TacROVER p SIR 2.5 Cable</td>
<td>80</td>
</tr>
<tr>
<td>808-043 TacROVER p SIR 2.5 Video Cable</td>
<td>81</td>
</tr>
<tr>
<td>808-082 TacROVER e SIR 2.5 Cable</td>
<td>82</td>
</tr>
<tr>
<td>808-067 TacROVER e SIR 2.5 Cable</td>
<td>83</td>
</tr>
<tr>
<td>808-267 TacROVER e SIR 2.5 Cable</td>
<td>84</td>
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<tr>
<td>808-152 TacROVER p SIR 2.5 with TAC-EYE Cable</td>
<td>85</td>
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<tr>
<td>808-117 Tactical Net Rover Cable</td>
<td>86</td>
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<tr>
<td>808-151 Tactical Net Rover Cable</td>
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<tr>
<td>792-604 Tactical Net Rover Cable with TAC-EYE Adapter</td>
<td>88</td>
</tr>
<tr>
<td>808-224 StrikeHawk Digital Cable</td>
<td>89</td>
</tr>
</tbody>
</table>
**JTAC-TOUGH™ STAR-PAN™**

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

**808-040 DAGR GPS Cable**

**SPECIFICATIONS**

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

**HOW TO ORDER**

**Sample Part Number:** 808-040

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>DAGR GPS Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>In inches</td>
</tr>
</tbody>
</table>

**DAGR GPS and Micro DAGR-V Cable**

**QUALIFIED FOR USE WITH**

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

**808-045 TacROVER-p SIR 2.0 Cable**

**SPECIFICATIONS**

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

**HOW TO ORDER**

**Sample Part Number:** 808-045

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>TacROVER-p SIR 2.0 Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>In inches</td>
</tr>
</tbody>
</table>

**JTAC-TOUGH™ STAR-PAN™**

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

**808-045 TacROVER-p SIR 2.0 Cable**

**LENGTH TOLERANCE:**

- +0.050" (1.27mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

**QUALIFIED FOR USE WITH**

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

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Dimensions are subject to change without notice.
**JTAC-TOUGH™ 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® braid, 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>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-068</td>
<td>TacROVER-p SIR 2.5 Cable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length Designator</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>In inches, 6.00” minimum</td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

**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>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-043</td>
<td>TacROVER-p SIR 2.5 Video Cable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length Designator</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>In inches, 24.00” minimum</td>
<td></td>
</tr>
</tbody>
</table>

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

**LENGTH TOLERANCE:**
- +0.50” (12.7 mm) / -0.00 for “L” ≤ 12.00” (304.8 mm)
- +1.80” (45.7 mm) / -0.00 for “L” between 12.00” (304.8 mm) and 60.00” (1524 mm)
- +3% / -0 for “L” > 60.00” (1524 mm)
**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

**LENGTH TOLERANCE:**

- +0.50" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0 for "L" > 60.00" (1524mm)

**HOW TO ORDER**

Sample Part Number: 808-082 -U -40

Cable Series  
TacROVER-e SIR 2.5 Cable

P2 Bend Option  
U = "U" Bend, P2 Connector Side

Length Designator  
In inches

Omit for default length of 33.00"
**JTAC-TOUGH™ STAR-PAN™**

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

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

**VIDEO / GPS AND AUXILIARY CABLES**

- 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

### Specifications

<table>
<thead>
<tr>
<th>Length Tolerance:</th>
<th>+0.50&quot; (12.7mm) / -0.00 for “L ≤ 12.00” (304.8mm)</th>
<th>+1.80&quot; (45.7mm) / -0.00 for “L between 12.00” (304.8mm) and 60.00&quot; (1524mm)</th>
<th>+3% / -0 for “L &gt; 60.00” (1524mm)</th>
</tr>
</thead>
</table>

### How to Order

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

**808-152 TacROVER-p SIR 2.5 with TAC-EYE Cable**

**VIDEO / GPS AND AUXILIARY CABLES**

- 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: ECN 3A611.x
- Composite video to TAC-EYE

### Specifications

<table>
<thead>
<tr>
<th>Length Tolerance:</th>
<th>+0.50&quot; (12.7mm) / -0.00 for “L ≤ 12.00” (304.8mm)</th>
<th>+1.80&quot; (45.7mm) / -0.00 for “L between 12.00” (304.8mm) and 60.00&quot; (1524mm)</th>
<th>+3% / -0 for “L &gt; 60.00” (1524mm)</th>
</tr>
</thead>
</table>

### How to Order

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-152</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>TacROVER-p SIR 2.5 with TAC-EYE Cable</td>
</tr>
<tr>
<td>P2 Bend Option</td>
<td>U = “U” Bend, P2 Connector Side</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches (for default length of 24.00&quot;)</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

808-117 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**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>Cable Series</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-117-28</td>
<td>TNR Cable, without RPB</td>
<td>in inches</td>
</tr>
</tbody>
</table>

Omit for default length of 24.00”

---

**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**

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>Cable Series</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-151-28</td>
<td>TNR Cable, with RPB</td>
<td>in inches</td>
</tr>
</tbody>
</table>

Omit for default length of 24.00”

---

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

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

**TS8-404 Tactical Net Rover cable with 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 relief, black.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumb screw
- Mighty Mouse 807 (NATO standard) connectors.
- Weight, 24” cable, (consult factory)
- Export classification: ECCN 3A611.x

### HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>TS8-404</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>TNR Cable, without RPB</td>
</tr>
<tr>
<td>Length Designator</td>
<td>in inches, Omit for default length of 24.00”</td>
</tr>
</tbody>
</table>

**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 relief, desert tan.
- 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>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>StrikeHawk Digital Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>in inches, Omit for default length of 24.00”</td>
</tr>
</tbody>
</table>

**Radio Power Boost**

- Overall Length “L”:
- Tolerance: +1.80” (45.7mm) / -0.00 for “L” ≤ 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

**StrikeHawk Digital Cable**

- Overall Length “L”:
- Tolerance: +.050” (1.27mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

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

**STAR-PAN™**

Host/EUD cables and adapters

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

<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>
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</tr>
<tr>
<td>808-103</td>
<td>Toughpad FZ-M1/FZ-B2 Adapter with Cable</td>
<td>92</td>
</tr>
<tr>
<td>808-092</td>
<td>Micro-B USB 2.0 Adapter Cable</td>
<td>93</td>
</tr>
<tr>
<td>808-093</td>
<td>Micro-B USB 3.0 Adapter Cable</td>
<td>94</td>
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<tr>
<td>808-135</td>
<td>USB-C Cable</td>
<td>95</td>
</tr>
<tr>
<td>808-232</td>
<td>USB-C Host Cable with Power Delivery</td>
<td>96</td>
</tr>
<tr>
<td>808-281</td>
<td>Juggernaut USB-C Host Cable with Power Delivery</td>
<td>97</td>
</tr>
<tr>
<td>808-102</td>
<td>USB On-The-Go Cable</td>
<td>98</td>
</tr>
<tr>
<td>808-096, -140, -271</td>
<td>Host Mode OTG Adapters</td>
<td>99</td>
</tr>
<tr>
<td>808-259</td>
<td>Gender Changer Adapter</td>
<td>100</td>
</tr>
</tbody>
</table>

---

**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**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-101</td>
<td>Panasonic Toughpad FZ-M1 Adapter</td>
</tr>
</tbody>
</table>
**JTAC-TOUGH™ STAR-PAN™**

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

808-103 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**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-103</th>
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</thead>
<tbody>
<tr>
<td>Adapter Series</td>
<td>Panasonic Toughpad FZ-M1 Adapter</td>
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<tr>
<td>Length Designator</td>
<td>1.42 OPEN LATCH</td>
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<tr>
<td></td>
<td>0.88 MASTER KEY</td>
</tr>
</tbody>
</table>

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

808-092 Micro-B USB 2.0 Cable

**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:</th>
<th>808-092</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Micro-B USB 2.0 adapter cable</td>
</tr>
<tr>
<td>Interface Orientation</td>
<td>001 Left - 002 Right</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Omit for default length of 18.00&quot;</td>
</tr>
</tbody>
</table>

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

---

808-092 Micro-B USB 2.0 Cable

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-092</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Micro-B USB 2.0 adapter cable</td>
</tr>
<tr>
<td>Interface Orientation</td>
<td>001 Left - 002 Right</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Omit for default length of 18.00&quot;</td>
</tr>
</tbody>
</table>

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

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Dimensions are subject to change without notice.
**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:</th>
<th>Cable Series</th>
<th>USB Interface Orientation</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-093 -001 -24</td>
<td>Micro-B USB 3.0 adapter cable</td>
<td>001 Left, 002 Right</td>
<td>In inches (Omit for default length of 18.00&quot;)</td>
</tr>
</tbody>
</table>

**LENGTH TOLERANCE:**
- +0.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0 for "L" > 60.00" (1524mm)

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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>Sample Part Number:</th>
<th>Cable Series</th>
<th>Length Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-135 -24</td>
<td>Host USB-C Cable</td>
<td>Omit for default length of 19.00”</td>
</tr>
</tbody>
</table>

**LENGTH TOLERANCE:**
- +0.050" (12.7mm) / -0.00 for "L" ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -0.00 for "L" between 12.00" (304.8mm) and 36.00" (1524mm)
- +3% / -0 for "L" > 36.00" (1524mm)
**HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES**

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

### SPECIFICATIONS

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

- 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: J3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-232</th>
<th>-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adapter Series</td>
<td>Host USB-C Charging Cable</td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>Ft inches: Max. 48.00 inches Omit for default length of 24.00”</td>
<td></td>
</tr>
</tbody>
</table>

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

---

### SPECIFICATIONS

**USB-C Charger Cable with Power Delivery**

- 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: J3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-281</th>
<th>-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>USB-C Charger Cable with Power Delivery</td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>Ft inches: Max. 48.00” Omit for default length of 24.00”</td>
<td></td>
</tr>
</tbody>
</table>

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

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**JTAC-TOUGH™ STAR-PAN™**

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

808-232 USB-C Host Cable with Power Delivery

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**JTAC-TOUGH™ STAR-PAN™**

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

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

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**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:** Host Mode Adapter Cable

**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: 8g
- Export classification: 3A611.x

**HOW TO ORDER**
- **Part Number:** 808-096
  - **Connector Adapter:** STAR-PAN Host Mode On-The-Go Adapter Connector, 64 KΩ resistance
- **Part Number:** 808-160
  - **Connector Adapter:** Sav-Con® Connector Saver/Adapter for Mighty Mouse 807 connector, 49 KΩ resistance
- **Part Number:** 808-271
  - **Connector Adapter:** Sav-Con® Connector Saver/Adapter for Mighty Mouse 807 connector, 82 KΩ resistance
**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>808-259-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adapter Series</td>
<td>Gender Changer Adapter</td>
</tr>
<tr>
<td>No. of Wired Contacts</td>
<td>4 = Four Wired Contacts (default); 6 = Six Wired Contacts</td>
</tr>
</tbody>
</table>

---

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

**808-079**
USB Type A Cable

**808-145**
USB Type A EUD Cable

**808-053**
PAN Port to USB-A Cable

**808-111**
USB On-The-Go Adapter Cable

**808-233**
USB-C Host to USB-A Cable with Power Delivery

**808-110**
DB-9 F/F-232 Cable

**808-078**
RJ45 Plug Cable

**808-084**
RJ45 Receptacle Cable

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

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

**Ethernet converter cable, RJ45 receptacle**
Commercial protocol cables, adapters, and accessories

808-079 USB Type A Cable

**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**

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

**Length Tolerance:**
- +0.050" (1.27mm) / -0.00 for “L” ≤ 12.00" (304.8mm)
- +0.180" (45.7mm) / -0.00 for “L” between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0 for “L” > 60.00" (1524mm)

**Part Numbers**
- GTTO-1617-20NZUS-PP
- MJ20515/5 BLK COVERED W/ M23053/18 CLR
- GTTO-1617-20NZUS-PP
- MJ20515/5 BLK COVERED W/ M23053/18 CLR
- USB2.0 TYPE A PLUG USB-A CABLE ASSEMBLY PN: CAUAAHFX-1M OR EQ

---

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**

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

**Length Tolerance:**
- +0.050" (1.27mm) / -0.00 for “L” ≤ 12.00" (304.8mm)
- +0.180" (45.7mm) / -0.00 for “L” between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0 for “L” > 60.00" (1524mm)

**Part Numbers**
- GTTO-1617-20NZUS-PP
- MJ20315/5 BLK COVERED W/ M23053/18 CLR
- USB2.0 TYPE A PLUG USB-A CABLE ASSEMBLY PN: CAUAAHFX-1M OR EQ.
### Commercial Protocol Cables, Adapters, and Accessories

#### 808-053 PAN Port to USB-A Cable

- **Device**: PAN to USB type A receptacle adapter cable
- **Materials**: Santoprene jacketed, black
- **Connectors**: Mighty Mouse 807 (NATO standard) connector and USB-A connector
- **Weight**: 5" cable: 16g
- **Export Classification**: 3A611.x
- **Connection**: PAN port

#### 808-053 Pan Port to USB-A Cable

<table>
<thead>
<tr>
<th><strong>HOW TO ORDER</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Part Number</strong>: 808-053 -12</td>
</tr>
<tr>
<td><strong>Cable Series</strong></td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
</tr>
</tbody>
</table>

**Length Tolerance**:
- +0.050" (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80" (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

**Connectors**:
- GLENAIR CONNECTOR, 8070-1676-06ZNU6-6PY, PIN 2 IS FMLB
- OVERALL LENGTH “L”

#### 808-111 USB On-The-Go Adapter Cable

- **Device**: PAN to USB type A receptacle adapter cable
- **Materials**: Santoprene jacketed, black
- **Connectors**: Mighty Mouse 807 (NATO standard) connector and USB-A receptacle
- **Weight**: 5" cable: 20g
- **Export Classification**: 3A611.x
- **Connection**: Direct connection to EUD

#### 808-111 USB On-The-Go (OTG) Cable

<table>
<thead>
<tr>
<th><strong>HOW TO ORDER</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Part Number</strong>: 808-111 -12</td>
</tr>
<tr>
<td><strong>Cable Series</strong></td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
</tr>
</tbody>
</table>

**Length Tolerance**:
- +0.050" (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80" (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)

**Connectors**:
- GLENAIR CONNECTOR, 8070-1475-01ZNU6-6SY-422B
- OVERALL LENGTH “L”

---

**Dimensions are subject to change without notice.**
**Commercial protocol cables, adapters, and accessories**

**808-233 USB-C Host to USB-A Cable with Power Delivery**

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

**HOW TO ORDER**

Sample Part Number: 808-233

Cable Series: USB-A to USB-C Charger Cable

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

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**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

**HOW TO ORDER**

Sample Part Number: 808-110-32

Cable Series: DB-9 RS-232 Cable

Length Designator: 24 inches

_Mighty Mouse 807 (NATO standard) connector and L-Com RS-232 connector_

_PAN RS-232 to USB_

**LENGTH TOLERANCE:**
- +.050" (1.27mm) / -.00 for “L” ≤ 12.00” (304.8mm)
- +1.80" (45.7mm) / -.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -.00 for “L” > 60.00” (1524mm)

**OVERALL LENGTH “L”**

**POLYURETHANE JACKETED, CAT 5e CABLE**

**CAT 5e CABLE**

**OVERALL LENGTH “L”**

**POLYURETHANE JACKETED, CAT 5e CABLE**

**POLYURETHANE (TPU) OVERMOLD**

---

**808-233 USB-C Host to USB-A Cable with Power Delivery**

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

**SPECIFICATIONS**

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

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

**LENGTH TOLERANCE:**
- +0.050" (12.7mm) / -0.00 for “L” ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -0.00 for “L” between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0 for “L” > 60.00" (1524mm)

**OVERALL LENGTH “L”**
- 6.00 INCHES (+0.50)

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

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

**HOW TO ORDER**
- Sample Part Number: 808-084-24
- Cable Series: RJ45 Ethernet Cable
- Length Designator: Omit for default length of 30.00".

**LENGTH TOLERANCE:**
- +0.050" (12.7mm) / -0.00 for “L” ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -0.00 for “L” between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0 for “L” > 60.00" (1524mm)

**OVERALL LENGTH “L”**
- 6.00 INCHES (± .50)
**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

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

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

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

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

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

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

**HOW TO ORDER**
- Sample Part Number: TS4-001
- Soft Goods: Mission Kit Bag

| Sample Part Number: TS4-001 |
| 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 |

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

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

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

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

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

| HOW TO ORDER |
| Sample Part Number: TS4-004 |
| Soft Goods: Pouch, medium |
Worldwide (NATO) quick-disconnect standard for tactical soldier system C4ISR device interconnection

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

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

- Cable Plug
- Cobra Plug
- Panel Plug
- Cable Receptacle
- Panel Receptacle
- Hermetic Receptacle

- STAR-PAN™ tactical soldier radio data/power setup with Mighty Mouse 807-equipped radio power booster
- Ultralite lightweight wearable battery with Mighty Mouse 807 panel mount receptacle
- Kägwerks ruggedized EUD case with Mighty Mouse 807 dongle
- BB-2590 /BA-5590 standard soldier battery with Mighty Mouse 807 power adapter
- Inventus Lithium-Ion conformal battery with plug-and-play Mighty Mouse 807 receptacle connector
- AeroVironment pocket Digital Data Link (pD2L) device with Mighty Mouse 807 connector. Direct hookup to any STAR-PAN hub with C1 general-purpose cable
- Juggernaut Case ruggedized EUD assembly with Mighty Mouse 807 dongle
- TacROVER-e video downlink receiver with Mighty Mouse high-speed I/O connector and STAR-PAN interface cable

STAR-PAN connectors and cables are broadly compatible with both US and NATO (STANAG 4695) dismounted soldier systems.
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**
  - Smallest Size .500 In. Mating Threads
  - 3 #20 Contacts or 7 #22 contacts

**SERIES 806 MIL-AERO: FEATURES / SPECIFICATIONS**
- **Next-generation small form factor aerospace-grade circular connector**
- **Designed for harsh application environments such as aircraft, industrial robotics and more**
- **Upgraded environmental, electrical and mechanical performance**
- **Integrated anti-decoupling technology**
- **Higher density 20HD and 22HD crimp contact arrangements**
- **Hermetic and filter versions**
- **+200°C temperature rating**

**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 1X10⁻¹⁰ 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
MouseBud: the snap-lock, trigger-release connector

Ultra low-profile, light weight, harsh-environment tactical connector with push-to-mate and lock / trigger-release mating

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

MouseBud Specifications

- Voltage rating: 500 VAC
- Current rating: 5 amps
- Contact resistance: 20 milliohms maximum
- Plug-to-receptacle ground resistance: <5 milliohms
- Maximum wire size: #24 AWG
- Insulation resistance: 5000 megohms minimum
- Water immersion: MIL-STD-810 Method 512, one meter for one hour
- Durability: 2000 mating cycles
- Corrosion resistance: 1000 hours
- Sine vibration: EIA-364-28 condition IV, 20g peak
- Random vibration: EIA-364-28 condition V letter H, 29g rms
- Shock: EIA-364-27 condition D, 390g peak
- EMI shielding effectiveness: 40 dB minimum to 10 GHz

© 2020 Glenair, Inc • STAR-PAN™ Tactical Interconnect Solutions
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

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**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>151-001</td>
<td>MIL-DTL-55116 QPL audio plug with wire strain relief</td>
</tr>
<tr>
<td>151-002</td>
<td>MIL-DTL-55116 QPL audio plug/overmold adapter</td>
</tr>
<tr>
<td>151-003</td>
<td>MIL-DTL-55116 QPL radio-mount jam nut receptacle</td>
</tr>
<tr>
<td>151-004</td>
<td>MIL-DTL-55116 QPL in-line receptacle, strain relief</td>
</tr>
</tbody>
</table>

**SERIES 152 INTERMATEABLE HiPer 55116 Radio Connectors and Cables**

Superior environmental, EMC, and durability performance

**SERIES 152 HIPER 55116 CONNECTOR SELECTION GUIDE**
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

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

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

NEW SUPER SPEED 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 SUPER SPEED USB 3.0 CABLE ASSEMBLIES AND JUMPERS

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

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

SUPPORTED USB 3.0 CONNECTOR TYPES

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

USB ORIENTATION OPTIONS

- Horizontal
- Vertical

= Master Keyway
**Glenair Mil-Spec Interconnect Technologies**

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

- **MIL-DTL-38999 Series III**
  - Environmental connectors
- **MIL-DTL-38999 Series IV**
  - Environmental connectors
- **MIL-DTL-28840**
  - Shipboard connectors and accessories
- **MIL-DTL-83513**
  - Micro-D connectors and accessories
- **MIL-PRF-24758**
  - Naveo-qualified conduit and fittings
- **M85049/140 series**
  - Qualified / TACOM-approved environmental shrink boots
- **M85049 composite backshells and covers**
  - for MIL-DTL-38999
- **MIL-DTL-38999 Series I, II, III, and IV**
  - Hermetic connectors
- **MIL-DTL-29504**
  - (fiber optic) and AS39029 (electrical) contacts
- **MIL-DTL-32139**
  - Nanominiature connectors and accessories
- **M85049/AS85049**
  - Backshells and connector accessories
- **M81511 (AS81511)**
  - Protective covers and connector accessories
- **MIL-DTL-38999 Series I**
  - Interconnect Technologies
- **MIL-DTL-55116**
  - Radio / Audio Connectors
- **MIL-DTL-24308**
  - Hermetic connectors
- **MIL-DTL-28876**
  - Shipboard fiber optic
- **Glenair Mil-Spec Interconnect Technologies**

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

- Lightning-fast turnarounds on quotes and special orders
- Worldwide sales and technical support in every major market
- Full-spectrum, “no gap” product lines
- No dollar or quantity minimums
- ISO 9001 and AS9100 certified
- Huge same-day shipment inventory
- Generous NRE, RMA, and sample request policies
- Abundant engineering and technical support
- No attitudinal constraints when it comes to customer convenience and service
### Glenair, Inc.
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