STAR-PAN™
The Battle-Tested, Multiport USB Hub, Cable, and Power Management Solution from Glenair
Powering soldier connectivity and C4ISR mission success

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

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

Glenair’s Tactical Interconnect Solutions team is backed by six decades of proven, made-in-America interconnect industry performance in service of US and NATO armed forces—including the United States Marine Corps, our latest STAR-PAN™ adopters and users.
STAR-PAN™
Scalable Multiport USB Hub / Power Distribution Technology for Dismounted Soldiers

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

STAR-PAN MISSION MANAGER: DEVICE INTEGRATION AND MANAGEMENT
Brings intelligent data networking and on-the-fly device integration to soldier C4ISR networks. Provides full-time host-to-broker data exchange between soldier USB peripherals and the EUD.

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

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

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

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

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

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

SOFT GOODS: MISSION KIT BAG AND POUCHES
Rugged, MOLLE-compatible Mission Bag and Pouches for safe storage, organization, and transport of STAR-PAN™ system hubs, cables, and adapters. Available individually or as turnkey kits.

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Mighty Mouse 807: 
The NATO 4695 Standard

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

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

NATO 4695

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

Peripheral Device Interoperability

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

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

**Kägwerks ruggedized EUD case** with Mighty Mouse 807 dongle

**Ultralife lightweight wearable battery** with Mighty Mouse 807 panel mount receptacle

**STAR-PAN VI**
the worldwide JTAC open-system standard for power and data hubs with Mighty Mouse 807 QDC connectors

**Juggernaut.Case**
ruggedized EUD assembly with Mighty Mouse 807 dongle

**Inventus Lithium Ion conformal battery** with plug-and-play Mighty Mouse 807 receptacle connector

**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™ Selection Guide
Hubs, cables, adapters, and accessories

STAR-PAN HUBS: SCALABLE MULTIPOWER 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>
</thead>
<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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TS2-004</td>
<td>STAR-PAN I, with optional MOLLE clip</td>
<td>Power + Data</td>
<td>(consult factory)</td>
<td>IP67</td>
<td>USB1.1, USB2.0</td>
<td>3A611.x</td>
<td>16</td>
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<tr>
<td>808-057</td>
<td>STAR-PAN II hub / cable assembly, with optional MOLLE pouch and MOLLE clip</td>
<td>Power + Data</td>
<td>245g</td>
<td>IP67</td>
<td>USB1.1, USB2.0, SMBus</td>
<td>3A611.x</td>
<td>16</td>
</tr>
<tr>
<td>808-194</td>
<td>STAR-PAN II connectorized hub, with optional MOLLE pouch and MOLLE clip</td>
<td>Power + Data</td>
<td>170g</td>
<td>IP67</td>
<td>USB1.1, USB2.0, SMBus</td>
<td>3A611.x</td>
<td>22</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>(consult factory)</td>
<td>IP67</td>
<td>USB1.1, USB2.0, SMBus</td>
<td>3A611.x</td>
<td>28</td>
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<tr>
<td>808-037</td>
<td>STAR-PAN VI, with optional MOLLE pouch and MOLLE clip</td>
<td>Power + Data</td>
<td>337g</td>
<td>IP67</td>
<td>USB1.1, USB2.0, SMBus</td>
<td>3A611.x</td>
<td>30</td>
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</tbody>
</table>

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

STAR-PAN™ IV
STAR-PAN™ VI
MOLLE Pouches and Clips available for STAR-PAN™ II, IV, and VI hubs
# STAR-PAN™ Selection Guide

Hubs, cables, adapters, and accessories

## GENERAL PURPOSE STAR-PAN CABLES

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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Electrical Function</th>
<th>Weight</th>
<th>IP Rating</th>
<th>Protocol</th>
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<th>Page No.</th>
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<tbody>
<tr>
<td>TS2-002</td>
<td>STAR-PAN MISSION MANAGER</td>
<td>Host Datalink Manager</td>
<td>90g</td>
<td>IP67</td>
<td>USB1.1 / USB2.0 SMBus Ethernet</td>
<td>99</td>
<td>40</td>
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Dimensions are subject to change without notice.
## STAR-PAN® RADIO CABLES AND ADAPTERS

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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Electrical Function</th>
<th>Weight</th>
<th>Standard Length</th>
<th>Cable / Device Finish</th>
<th>ECCN / EAR</th>
<th>Page No.</th>
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</thead>
<tbody>
<tr>
<td>808-048</td>
<td>BA5590/BB2590 Battery Shoe</td>
<td>Power</td>
<td>96g</td>
<td>N/A</td>
<td>Black Zinc-Nickel</td>
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<td>59</td>
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<td>808-242</td>
<td>BB2590 Battery Adapter w/ Charging + SMBus</td>
<td>Power</td>
<td>286g</td>
<td>N/A</td>
<td>Olive Drab Green</td>
<td>3A611.x</td>
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<td>808-133</td>
<td>BT-70838 BE Battery Connector</td>
<td>Power</td>
<td>76g</td>
<td>21&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>61</td>
</tr>
<tr>
<td>808-066</td>
<td>Battery Shoe for Handheld Radios</td>
<td>Power</td>
<td>70g</td>
<td>N/A</td>
<td>Black Zinc-Nickel</td>
<td>3A611.x</td>
<td>62</td>
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<tr>
<td>808-063</td>
<td>Power Booster</td>
<td>Power</td>
<td>172g</td>
<td>N/A</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>63</td>
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<tr>
<td>808-059</td>
<td>Cigarette Lighter Power Adapter Cable</td>
<td>Power</td>
<td>84g</td>
<td>72&quot;</td>
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<td>3A611.x</td>
<td>64</td>
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<tr>
<td>808-064</td>
<td>AC/DC Power Adapter Cable</td>
<td>Power</td>
<td>590g</td>
<td>110&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
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### STAR-PAN TARGETING CABLES AND ADAPTERS

<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>
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<tbody>
<tr>
<td>808-041</td>
<td>Vector 21 / 23B Cable</td>
<td>Data</td>
<td>205g</td>
<td>54&quot;</td>
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<tr>
<td>808-049</td>
<td>PLRF 15C / 25C Cable</td>
<td>Data</td>
<td>76g</td>
<td>45&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>68</td>
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<tr>
<td>808-238</td>
<td>PLRF 15C / 25C Cable (EUD)</td>
<td>Data</td>
<td>76g</td>
<td>45&quot;</td>
<td>Santoprene, Black</td>
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<td>808-212</td>
<td>STERNA True North Finder (TNF) cable</td>
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<td>808-241</td>
<td>JIM-LR with STERNA Cable</td>
<td>Data + Power</td>
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<td>48&quot;</td>
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<tr>
<td>808-246</td>
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<td>Data + Power</td>
<td>235g</td>
<td>24&quot;</td>
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<td>72</td>
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<tr>
<td>808-219</td>
<td>JIM Compact Cable</td>
<td>Data + Power</td>
<td>115g</td>
<td>40&quot;</td>
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<td>3A611.x</td>
<td>73</td>
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<tr>
<td>808-217</td>
<td>Moskito TI with STERNA Cable</td>
<td>Data + Power</td>
<td>150g</td>
<td>24&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
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<tr>
<td>808-218</td>
<td>Moskito TI Cable</td>
<td>Data + Power</td>
<td>115g</td>
<td>40&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>74</td>
</tr>
<tr>
<td>808-241</td>
<td>JIM-LR with STERNA Cable</td>
<td>Data + Power</td>
<td>235g</td>
<td>48&quot;</td>
<td>Santoprene, Black</td>
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### VIDEO / GPS POWER AND DATA CABLES

<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>
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<tr>
<td>808-040</td>
<td>DAGR GPS Cable</td>
<td>Data + Power</td>
<td>104g</td>
<td>32&quot;</td>
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<td>808-045</td>
<td>TacROVER-p SIR 2.0 Cable</td>
<td>Data + Power</td>
<td>104g</td>
<td>32&quot;</td>
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<td>3A611.x</td>
<td>79</td>
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<tr>
<td>808-068</td>
<td>TacROVER-p SIR 2.5 Cable</td>
<td>Data</td>
<td>106g</td>
<td>33&quot;</td>
<td>Nomex, O.D.</td>
<td>3A611.x</td>
<td>83</td>
</tr>
<tr>
<td>808-082</td>
<td>TacROVER-e SIR 2.5 Cable</td>
<td>Data + Power</td>
<td>106g</td>
<td>33&quot;</td>
<td>Nomex, O.D.</td>
<td>3A611.x</td>
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<td>808-267</td>
<td>TacROVER-e SIR 2.5 Cable</td>
<td>Data + Power</td>
<td>106g</td>
<td>33&quot;</td>
<td>Nomex, O.D.</td>
<td>3A611.x</td>
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<tr>
<td>808-152</td>
<td>TacROVER-p SIR 2.5 with TAC-EYE Cable</td>
<td>Data + Power</td>
<td>106g</td>
<td>33&quot;</td>
<td>Nomex, O.D.</td>
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<td>808-117</td>
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<td>24&quot;</td>
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<td>808-151</td>
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<tr>
<td>808-204</td>
<td>Tactical Net Rover Cable with TAC-EYE Adapter</td>
<td>Data + Power</td>
<td>112g</td>
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<td>808-224</td>
<td>StrikeHawk Digital Cable</td>
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<td>100g</td>
<td>24&quot;</td>
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## STAR-PAN-TO-HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

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

- **Kägwerks tactical EUD case with Adapter Cable**
- **USB-C EUD Charging Cable**
- **Tactical EUD Juggernaut Case with Adapter Cable**
- **Panasonic ToughPad® Adapter**
- **Host Mode Adapters and Gender-Changers**
## 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>26g</td>
<td>18&quot;</td>
<td>Santoprene, Black</td>
<td>3A611.x</td>
<td>102</td>
</tr>
<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>
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<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>(consult factory)</td>
<td>18&quot;</td>
<td>TPE, Black</td>
<td>3A611.x</td>
<td>106</td>
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<td>808-110</td>
<td>DB-9 RS-232 Cable</td>
<td>Data</td>
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<td>24&quot;</td>
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<td>107</td>
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<tr>
<td>808-078</td>
<td>RJ45 Plug Cable</td>
<td>Data</td>
<td>80g</td>
<td>24&quot;</td>
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<tr>
<td>808-084</td>
<td>RJ45 Receptacle Cable</td>
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<td>30&quot;</td>
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## SOFT GOODS: MISSION KIT BAG AND POUCHES

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<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” W = 14” D = 2.5”</td>
<td>Cordura/Black</td>
<td>99</td>
<td>110</td>
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<tr>
<td>TS4-002</td>
<td>Large Pouch</td>
<td>.18 lbs</td>
<td>W = 18” H = 4”</td>
<td>Cordura/Black</td>
<td>99</td>
<td>111</td>
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<tr>
<td>TS4-003</td>
<td>Square Pouch</td>
<td>.9 lbs</td>
<td>W = 10” H = 10”</td>
<td>Cordura/Black</td>
<td>99</td>
<td>111</td>
</tr>
<tr>
<td>TS4-004</td>
<td>Medium Pouch</td>
<td>.1 lbs</td>
<td>W = 9.5” H = 5”</td>
<td>Cordura/Black</td>
<td>99</td>
<td>111</td>
</tr>
</tbody>
</table>
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™ Power Distribution and Management Architecture**

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

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

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

**STAR-PAN EMBEDDED SYSTEM POWER MANAGEMENT**

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

**UNIVERSAL POWER AND DATA CONNECTOR INTERFACE**

Star-Pan system integrates with the user-controlled power management to ensure optimal performance and extended operational life.
STAR-PAN™

Power distribution and management architecture

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

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

▲ Dedicated auxiliary power port with voltage regulation for battery charging

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

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

BB-2590/BA-5590 batteries

Handheld radio batteries

Conformal wearable batteries

Soldier smart batteries

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

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

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

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

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

Android and Windows Power Management Apps and ATAK plug-in

STAR-PAN ANDROID REMOTE (SPAR) POWER MANAGEMENT APP

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

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

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

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

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

STAR-PAN ATAK PLUG-IN

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

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

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

**FEATURES**

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

**STAR-PAN LIGHT CAPABILITY DIAGRAM**

- 1 designated host / EUD port
- 1 battery cable / port
- 1 designated peripheral cable / port (expandable for radio use with adapter cable)

* Example compatible devices, not supplied by Glenair
WARFIGHTER TOUGH

STAR-PAN™ Light

808-054

Bifurcated power and data cable with 5V regulator

OVERVIEW

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

PAN APPLICATIONS

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

HOW TO ORDER

Sample Part Number: 808-054-36

<table>
<thead>
<tr>
<th>STAR-PAN Series</th>
<th>Description</th>
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<tbody>
<tr>
<td>STAR-PAN Light</td>
<td>Bifurcated cable</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Length Designator</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>In inches</td>
<td>Omit for default length of 24.00&quot;</td>
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PERFORMANCE SPECIFICATIONS

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

Host & Pan
- Battery Voltage: 10.0V to 20.0V, 14.8V typical
- Battery Supply Current: 3.5A Maximum per individual port
- Battery Supply Total Current: 5A total system
- 5VUSB Supply Voltage: 4.75V to 5.1V, 4.90V typical
- 5VUSB Supply Current: 3A Maximum per individual port
- USB +/USB: -0.5V to +3.5V

Radio Port
- Battery Voltage: 10.0V to 20.0V, 14.8V typical. Highest priority for power management
- Battery Supply Current: 5A maximum per individual port
- +5V Back Up Supply Current: 1.2A typical, 3A max, based on radio supply, radio 1 primary
- +5V Back Up Supply Current: 5A per port
- USB +/USB: -0.5V to +3.5V

Battery Port
- Battery Input Voltage: 10V to 20V
- Battery Supply Current: 5A maximum system supply current
- SMBus Data: -0.5V to +3.5V, P5 only

OVERALL LENGTH "L"

12.00 INCHES (+1.00/-0.00)
STAR-PAN™ I

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

FEATURES

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

STAR-PAN I CAPABILITY DIAGRAM

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

* Example compatible devices, not supplied by Glenair

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

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WARFIGHTER TOUGH

STAR-PAN™ I

TS2-004

1 port smart power and data hub with 5V regulator

OVERVIEW

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

PAN APPLICATIONS

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

HOW TO ORDER

Sample Part Number: TS2-004

Connectorized Hub

STAR-PAN I power and data hub

STAR-PAN IV PORT CONFIGURATION

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<th>EUD</th>
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<tr>
<td>PAN</td>
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</tr>
<tr>
<td>POWER</td>
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PERFORMANCE SPECIFICATIONS (preliminary)

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<tbody>
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<tr>
<td>Operating Temperature</td>
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<tr>
<td>Operation Altitude</td>
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<tr>
<td>Storage Altitude</td>
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<td>Water Immersion, Mated</td>
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<table>
<thead>
<tr>
<th>Host &amp; Pan</th>
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</thead>
<tbody>
<tr>
<td>Battery Voltage</td>
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<td>Battery Supply Current</td>
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<tr>
<td>5VUSB Supply Voltage</td>
</tr>
<tr>
<td>5VUSB Supply Current</td>
</tr>
<tr>
<td>USB +/USB -</td>
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</table>

<table>
<thead>
<tr>
<th>Battery Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Input Voltage</td>
</tr>
<tr>
<td>Battery Supply Current</td>
</tr>
<tr>
<td>SMBus Data</td>
</tr>
</tbody>
</table>

MOLLE ATTACHMENT

Part No. TS2-004-MC

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

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

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

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

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

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

PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Operating Conditions</th>
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<tbody>
<tr>
<td>Storage Temperature</td>
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<td>Operating Temperature</td>
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<td>Host &amp; Pan</td>
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<td>+5V Back Up Supply Current</td>
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<td>USB +/USB -</td>
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<tr>
<td>Battery Port</td>
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<tr>
<td>Battery Voltage</td>
</tr>
<tr>
<td>Battery Supply Current</td>
</tr>
<tr>
<td>SMBus Data</td>
</tr>
</tbody>
</table>

HOW TO ORDER

Sample Part Number: 808-194

<table>
<thead>
<tr>
<th>STAR-PAN Hub</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAMPLE-PAN II 2 port power/data hub</td>
</tr>
</tbody>
</table>

STAR-PAN II PORT CONFIGURATION

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EUD</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>RADIO</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PAN</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>POWER</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

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

HOW TO ORDER: HUB / CABLE ASSEMBLY VERSION

Sample Part Number: 808-057

<table>
<thead>
<tr>
<th>Hub with Integrated Cables</th>
<th>STAR-PAN II 2 port power/data hub with integrated cables</th>
</tr>
</thead>
</table>

Rev. 05.07.20

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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) [SOL8SDR-H]
- ELBIT [PNR-1000, MCTR-7200HH]
- Silvus Technologies [SC4200, SC4400]
- Bittium [Tough SDR Handheld™]
GLEN AIR STAR-PAN TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

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

* Example compatible devices, not supplied by Glenair

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

STAR-PAN II accessories

MOLLE pouch and clip

MOLLE POUCH SPECIFICATIONS

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

HOW TO ORDER FOR INTEGRATED CABLE HUB

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS4-010</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>TS4-007</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR-PAN accessory</td>
<td>STAR-PAN II MOLLE clip</td>
</tr>
<tr>
<td>Hub specifier</td>
<td></td>
</tr>
<tr>
<td>-007 = 808-194 hub</td>
<td></td>
</tr>
<tr>
<td>-006 = 808-057 hub with integrated cables</td>
<td></td>
</tr>
</tbody>
</table>
STAR-PAN™ II
808-047 General-Purpose STAR-PAN Cable
808-081 STAR-PAN II expansion cable

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

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

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

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

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

Key Features/Benefits

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

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

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

PAN APPLICATIONS

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

HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-273</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connectorized Hub</td>
<td>STAR-PAN IV 4-port power/data hub</td>
</tr>
</tbody>
</table>

STAR-PAN IV PORT CONFIGURATION

| EUD       | 1 |
| RADIO     | 1 |
| PAN       | 3 |
| POWER     | 2 |

PERFORMANCE SPECIFICATIONS

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

<table>
<thead>
<tr>
<th>Host &amp; Pan 1–3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Voltage</td>
</tr>
<tr>
<td>10.0V to 20.0V, 14.8V typical</td>
</tr>
<tr>
<td>Battery Supply Current</td>
</tr>
<tr>
<td>5A maximum per individual port</td>
</tr>
<tr>
<td>+5V Backup Total Supply Current</td>
</tr>
<tr>
<td>5A based on radio supply, Radio 1 primary</td>
</tr>
<tr>
<td>USB +/USB -</td>
</tr>
<tr>
<td>-0.5V to +3.5V</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Radio Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Voltage</td>
</tr>
<tr>
<td>10.0V to 20.0V, 14.8V typical, Highest priority for power management</td>
</tr>
<tr>
<td>Battery Supply Current</td>
</tr>
<tr>
<td>5A maximum per individual port</td>
</tr>
<tr>
<td>+5V Back Up Supply Current</td>
</tr>
<tr>
<td>1.2A typical, 3A max, based on radio supply, radio 1 primary</td>
</tr>
<tr>
<td>+5V Back Up Supply Current</td>
</tr>
<tr>
<td>.5A per port</td>
</tr>
<tr>
<td>USB +/USB -</td>
</tr>
<tr>
<td>-0.5V to +3.5V</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Auxiliary Power Supply Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary Voltage Source</td>
</tr>
<tr>
<td>10V to 36V</td>
</tr>
<tr>
<td>Auxiliary Supply Current</td>
</tr>
<tr>
<td>5 A maximum system supply current</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Battery Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Input Voltage</td>
</tr>
<tr>
<td>10V to 20V</td>
</tr>
<tr>
<td>Battery Supply Current</td>
</tr>
<tr>
<td>5A maximum system supply current</td>
</tr>
<tr>
<td>Battery Charge Current</td>
</tr>
<tr>
<td>3A</td>
</tr>
</tbody>
</table>
JTAC-TOUGH™
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

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

End User Device*

Hand-Held Radio*

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

808-063 Radio Power Booster (RPB)

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

808-047 C1- EXTENSION CABLE

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

* Example compatible devices, not supplied by Glenair

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

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

STAR-PAN™ IV

808-273 4 port smart power / data hub system

Configuration diagram

---

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

<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 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>STerna TNF Adapter Cable</td>
<td>808-212</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>

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Dimensions are subject to change without notice.
WARFIGHTER TOUGH
STAR-PAN™ IV
STAR-PAN IV accessories
MOLLE pouch and clip

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

HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-273-MP</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR-PAN accessory</td>
<td>STAR-PAN IV MOLLE pouch</td>
</tr>
</tbody>
</table>

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

HOW TO ORDER

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

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

### HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number: 808-047-36</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable Series</strong></td>
</tr>
<tr>
<td><strong>Cable Jacket Option</strong></td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
</tr>
</tbody>
</table>

#### 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"

**Length Tolerance:**

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

---

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

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

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

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

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

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

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

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

HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-037</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connectorized Hub</td>
<td>STAR-PAN VI 6-port power/data hub</td>
</tr>
</tbody>
</table>

STAR-PAN VI PORT CONFIGURATION

<table>
<thead>
<tr>
<th>EUD</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADIO</td>
<td>2</td>
</tr>
<tr>
<td>PAN</td>
<td>4</td>
</tr>
<tr>
<td>POWER</td>
<td>2</td>
</tr>
</tbody>
</table>

PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Operating Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature</td>
</tr>
<tr>
<td>Operating Temperature</td>
</tr>
<tr>
<td>Operation Altitude</td>
</tr>
<tr>
<td>Storage Altitude</td>
</tr>
<tr>
<td>Water Immersion, Mated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Host &amp; Pan 1–4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Voltage</td>
</tr>
<tr>
<td>Battery Supply Current</td>
</tr>
<tr>
<td>+5V Backup Total Supply Current</td>
</tr>
<tr>
<td>USB +/USB -</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Radio 1 and 2 Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Voltage</td>
</tr>
<tr>
<td>Battery Supply Current</td>
</tr>
<tr>
<td>+5V Back Up Supply Current</td>
</tr>
<tr>
<td>+5V Back Up Supply Current</td>
</tr>
<tr>
<td>USB +/USB -</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Auxiliary Power Supply Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary Voltage Source</td>
</tr>
<tr>
<td>Auxiliary Supply Current</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Battery Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Input Voltage</td>
</tr>
<tr>
<td>Battery Supply Current</td>
</tr>
<tr>
<td>Battery Charge Current</td>
</tr>
</tbody>
</table>

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

808-037 6 port smart power and data system

Configuration diagram

**STAR-PAN VI CAPABILITY DIAGRAM**

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

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

---

**STAR-PAN VI HUBS**

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

**JTAC-TOUGH™**

**STAR-PAN™ VI**

808-037 6 port smart power and data system

Configuration diagram
STAR-PAN™ VI
808-037 6 port smart power and data system
Configuration diagram

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 VI Multiport USB and Power Distribution Hub</td>
<td>808-037</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>RT-1922 MicroLight SADL Radio Cable</td>
<td>808-044</td>
</tr>
<tr>
<td>PRC 152A Radio Data Adapter</td>
<td>808-032</td>
</tr>
<tr>
<td>TacROVER-e ISR Receiver Cable</td>
<td>808-043</td>
</tr>
<tr>
<td>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>PLRF 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™ VI
STAR-PAN VI accessories
MOLLE pouch and clip

STAR-PAN VI MOLLE pouch

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

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

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

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

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

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

**General-Purpose STAR-PAN Cable**

**STAR-PAN™ HUBS SPECIFICATIONS**

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

**HOW TO ORDER**

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

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>General-Purpose STAR-PAN cable</th>
</tr>
</thead>
<tbody>
<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</td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 24.00”</td>
</tr>
</tbody>
</table>

**OVERALL LENGTH “L”**

- Wire, flexible TPU insulated tin plated copper braided shield, high strand tin plated copper braid outer braid, Nomex sleevings or black Santoprene

**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)

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

General-Purpose STAR-PAN Cables
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

90° Exit Cable

HOW TO ORDER

Sample Part Number: 808-095-8

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>STAR-PAN 90° plug cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master Key Orientation</td>
<td>See figure 1. Omit for -3 90° default</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In 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:
+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)
General-Purpose STAR-PAN Cables
808-244 Right-angle exit cable (90° receptacle)

90° Exit Cable

**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

**HOW TO ORDER**

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

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>STAR-PAN 90° receptacle cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master Key Orientation</td>
<td>See figure 1. Omit for -3 90° default</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches Omit for default length of 6.00”</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 for “L” > 60.00” (1524mm)

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

General-Purpose STAR-PAN Cables
808-129 flying lead assembly, PAN port

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-129
Cable Series: STAR-PAN flying lead assembly, PAN port
Length Designator: In inches
Omit for default length of 24.00"
GENERAL-PURPOSE STAR-PAN CABLES
808-130 flying lead assembly, RADIO, AUX, or BATT port

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-130

- Cable Series: STAR-PAN flying lead assembly, RADIO, AUX, or BATT port
- Length Designator: In inches
  - Omit for default length of 24.00"

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

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

REV. 04.08.20
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.

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

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

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS2-002</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR-PAN device</td>
<td>MISSION MANAGER</td>
</tr>
</tbody>
</table>

**PERFORMANCE SPECIFICATIONS**

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

**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).

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

**HOW TO ORDER**

Sample Part Number: TS2-002

| STAR-PAN device | MISSION MANAGER |

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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).

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LIGHT, I, II, IV, AND VI

**HOW TO ORDER**

Sample Part Number: TS2-002

| STAR-PAN device | MISSION MANAGER |

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</tr>
<tr>
<td>Water Immersion, Mated</td>
<td>MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant</td>
</tr>
</tbody>
</table>
### STAR-PAN™ RADIO CABLES AND ADAPTERS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-032</td>
<td>AN/PRC-152A Radio Adapter</td>
<td>43</td>
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<tr>
<td>808-156</td>
<td>AN/PRC-152A Radio Adapter (PAN Port)</td>
<td>44</td>
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<td>808-051</td>
<td>AN/PRC-154 Rifleman Radio Adapter</td>
<td>45</td>
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<td>808-039</td>
<td>AN/PRC-148 JEM Radio Adapter</td>
<td>46</td>
</tr>
<tr>
<td>808-132</td>
<td>Elbit PNR 1000 Radio Adapter</td>
<td>47</td>
</tr>
<tr>
<td>808-044</td>
<td>Raytheon RT-1922 Microlight SADL Radio Cable</td>
<td>48</td>
</tr>
<tr>
<td>808-158</td>
<td>Harris RF-78S05-TR Radio Cable</td>
<td>49</td>
</tr>
<tr>
<td>808-257</td>
<td>Harris RF-7800S Radio Cable</td>
<td>50</td>
</tr>
<tr>
<td>808-148</td>
<td>Harris RF-7800S Radio Cable (Radio Host)</td>
<td>51</td>
</tr>
<tr>
<td>808-166</td>
<td>AN/PRC-161 BATS-D Radio Adapter</td>
<td>52</td>
</tr>
<tr>
<td>808-235</td>
<td>AN/PRC-161 BATS-D Radio Adapter (PAN Port)</td>
<td>53</td>
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<tr>
<td>808-087</td>
<td>AN/PRC-117F Radio Cable (PAN Port)</td>
<td>54</td>
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<tr>
<td>808-035</td>
<td>AN/PRC-117G Radio Cable</td>
<td>55</td>
</tr>
<tr>
<td>808-088</td>
<td>AN/PRC-117G Radio Cable (PAN Port)</td>
<td>56</td>
</tr>
<tr>
<td>TS8-402 / TS8-416</td>
<td>AN/PRC-163 Radio Adapter (PAN Port)</td>
<td>57</td>
</tr>
</tbody>
</table>
**RADIO CABLES AND ADAPTERS**

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-032 H-28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>AN/PRC-152A Radio Adapter Cable</td>
</tr>
<tr>
<td>Host ID Pin option</td>
<td>H = with Host ID pin  Omit for standard configuration</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches (6.00&quot; min.)  Omit for default length of 24.00&quot;</td>
</tr>
</tbody>
</table>

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

**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)
RADIO CABLES AND ADAPTERS

RADIO POWER BOOST

AN/PRC-152A Radio Adapter

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

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-156 -24

Cable Series: AN/PRC 152-A Radio Data Adapter Cable
Length Designator: In inches, 6.00” minimum
Omit for default length of 20.00”

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)
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**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-051</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>AN/PRF-154 Radio Data Adapter</td>
</tr>
</tbody>
</table>

**QUALIFIED FOR USE WITH ALL STAR-PAN POWER / DATA HUBS:** LIGHT, I, II, IV, AND VI
Radio cables and adapters
808-039 AN/PRC-148 JEM Radio Adapter

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-039-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>AN/PRC-148 Radio Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches (6.00” min.) Omit for default length of 20.00”</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 for “L” > 60.00” (1524mm)
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>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>PNR 1000 Radio Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches Omit for default length of 21.00”</td>
</tr>
</tbody>
</table>

**OVERALL LENGTH**

- P1
- Pins: 22, 15, 8, 1
- Connector: 58-9151-022-000-114 TYP
- Shrink Boot Per Glenair P/N: 770-0005-103W1
- CABLE JACKETED, SANTOPRENE
- Shrink Marker M23053/5 COVERED WITH M23053/18 (CLEAR)
- Glenair Connector 8070-1675-01ZNU6-6SY

**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)
**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

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>808-044 RT-1922 Microlight SADL Radio Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>U-Bend Option</td>
<td><strong>U</strong> = with &quot;U&quot; bend - Omit for straight</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches Omit for default length of 24.00&quot;</td>
</tr>
</tbody>
</table>

**How to Order:**

Sample Part Number: 808-044 -U -28

**Cable Series**

RT-1922 Microlight SADL Radio Cable

**U-Bend Option**

- **U** = with "U" bend - Omit for straight

**Length Designator**

- In inches
- Omit for default length of 24.00"

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

- LIGHT, I, II, IV, AND VI

**WIRE, FLEXIBLE TPU INSULATED Tin PLATED COPPER**

**BRAIDED SHEILD, HIGH STRAND, TIN PLATED COPPER BRAID**

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

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

**TPE OVERMOLDed**

**OVERALL LENGTH "L"**

**LENGTH TOLERANCE:**

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

**P1 - MASTER KEY**

**P2 - "U" BEND OPTION**

**P2 - MASTER KEY**

**SECTION A - A**
**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**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-158-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>RF7580S-TR Radio Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches</td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 18.00&quot;</td>
</tr>
</tbody>
</table>

**OVERALL LENGTH “L”**

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

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

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-257 -36

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>RF7800S Radio Adapter Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>In inches Omit for default length of 32.00&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)

GLENAIR CONNECTOR, 8070-1675-01ZNU6-05Y-422B
WIRE, FLEXIBLE TPU INSULATED TIN PLATED COPPER
BRAIDED SHIELD, HIGH STRAND, TIN PLATED COPPER BRAID
OUTER BRAID, NOMEX SLEEving GLENAIR PN: 102-042 (ODGREEN)
SHRINK MARKER, M23053/5 COVERED WITH M23053/18 (CLEAR)
PART NUMBER LEADER TYP: #1234
TPE OVERMOLD
FISCHER CONNECTOR, S5 102 A059-5, HARRIS J29-0010-604

GLENAIR YYWW 06324
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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-148-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>RF7800S Radio Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches Omit for default length of 32.00&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)
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**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-166-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>BATS-D AN/PRC 161 Radio Data Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches, 6.00&quot; minimum</td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 20.00&quot;</td>
</tr>
</tbody>
</table>

**OVERALL LENGTH “L”**

- J3-GLENAIR CONNECTOR
  Per Interface
  8070-1675-01ZNU6-6SY-422B

- P2-GLENAIR CONNECTOR
  Per Interface
  8070-1676-06ZNU6-6PY
  PIN2 FMLB

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

**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

Specified 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” (152.4 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)

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Dimensions are subject to change without notice.
Radio cables and adapters
808-087 AN/PRC-117F Radio Cable (PAN Port)

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

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

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

OVERALL LENGTH “L”:
LENGTH TOLERANCE: +.050” (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
+1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
+3% / -0 for “L” > 60.00” (1524mm)
**808-035 AN/PRC-117G Radio Cable**

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

**How to Order**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-035 -24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>AN/PRC-117G Radio Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches (6.00&quot; min.) Omit for default length of 32.00&quot;</td>
</tr>
</tbody>
</table>

**Qualification**
- 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)

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SPECIFICATIONS

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

HOW TO ORDER

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

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)
**RADIO CABLES AND ADAPTERS**

**STAR-PAN™**
Radio cables and adapters

**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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS8-402</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>AN/PRC-163 Radio Adapter</td>
</tr>
<tr>
<td>I/O Designator</td>
<td>-402 = Red I/O, -416 = Black I/O</td>
</tr>
</tbody>
</table>

**Dimensions:**

- P1: SIDE CONNECTOR PRC-163 INTERFACE
- P2: PAN RCPT CONN
- P3: PWR PLUG CONN

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Dimensions are subject to change without notice.
# STAR-PAN™ Power / battery cables and adapters

## STAR-PAN™ 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>

**JTAC-TOUGH™**

BA5590/BB2590 Battery Shoe

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

Conformal Battery Adapter Cable

---

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

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

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-048

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

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

BA5590/BB2590 Battery Shoe

GLENAIR INTERFACE
807-874-01ZNU6-6SY

ALUMINUM HOUSING
GLENAIR PLATING CODE ZR

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

P1

P2

1.15

1.30

1.55

2.90

3.17

DATA (PINS 2-5)
CLOCK (PINS 2-5)

BB2590 BATTERY CONNECTOR

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Dimensions are subject to change without notice.
Power cables and battery adapters
808-242 BB2590 Battery Adapter with Charging and SMBus

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-242-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 Omit = 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

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

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-133 -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></td>
<td>Omit for default length of 21.00&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)
POWER CABLES AND BATTERY ADAPTERS

**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

Dimensions are subject to change without notice.
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

Part Number: 808-063
Cable Series: Radio Power Booster

SUPPLIED ACCESSORY

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

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

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

GLENAIR CONNECTOR
8070-2458-01ZNU6-6SY

PRC-152/PRC-148 RADIO INTERFACE

Dimensions are subject to change without notice.
Cigarette lighter power adapter cable

**SPECIFICATIONS**

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

**HOW TO ORDER**

**Sample Part Number:** 808-059

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>Cigarette Lighter Power Adapter Cable</th>
</tr>
</thead>
</table>

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

**OVERALL LENGTH “L”**

- 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”**

- Master Key
- TPE OVERMOLD
- GLENAIR Connector, 8070-1675-01ZN0K-65Y
- BRADY LABEL, LAT-27 OR EQ.
- .104" X .210" APPROX
- GROMMET
- MEMORY PROTECTION DEVICES CIGARETTE LIGHTER PLUG, ZAS075-B
- USE LITTELFUSE P/N 6312005 HXP OR EQ. FOR FUSE

**POWER CABLES AND BATTERY ADAPTERS**

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

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

Power cables and battery adapters

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

Sample Part Number: 808-064 -EU -120

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>AC/DC Power Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plug Type Option</td>
<td>US, EU, UK, AU, KR, DM (see code table below)</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches Omit for default length of 110.00&quot;</td>
</tr>
</tbody>
</table>

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

LENGTH TOLERANCE:

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

AC Plug Type Option

<table>
<thead>
<tr>
<th>Code</th>
<th>P/N</th>
<th>Country / Region</th>
<th>Mating Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>PCR-B3US-183C</td>
<td>North America (default)</td>
<td>Type B</td>
</tr>
<tr>
<td>EU</td>
<td>PCR-B3REU-183B</td>
<td>Europe</td>
<td>Type E/F</td>
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<tr>
<td>UK</td>
<td>PCR-B3UK-183B2</td>
<td>United Kingdom</td>
<td>Type G</td>
</tr>
<tr>
<td>AU</td>
<td>PCR-B3AU-183B</td>
<td>Australia</td>
<td>Type I</td>
</tr>
<tr>
<td>KR</td>
<td>PCR-B3KR-183B</td>
<td>South Korea</td>
<td>Type F</td>
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<tr>
<td>DM</td>
<td>PCR-B3DM-183B</td>
<td>Denmark</td>
<td>Type K</td>
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<tr>
<td>SW</td>
<td>PCR-B3SW-183B</td>
<td>Switzerland</td>
<td>Type G</td>
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Dimensions are subject to change without notice.
JTAC-TOUGH™

STAR-PAN™

Targeting device cables and adapters

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Safran Vectronix Vector 21/21B and Moskito Data Cable

PLRF 15C/25C Laser Range Finder Cable

Safran Vectronix STERNA TNF Data Cable
 JTAC-TOUGH™
STAR-PAN™

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

TARGETING CABLES AND ADAPTERS

For Safran Vectronix
Vector 21/21B and Moskito

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

SPECIFICATIONS

- For connection of referenced targeting device to STAR-PAN power / data hubs
- 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

HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-041</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Vector 21/23B/Moskito Data Cable</td>
</tr>
</tbody>
</table>

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Dimensions are subject to change without notice.
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**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-049 -50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>PLRF 15C/25C Laser Range Finder Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Omit for default length of 45.00&quot;</td>
</tr>
</tbody>
</table>

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

**OVERALL LENGTH “L”**

- Master Key
- Lemo Strain Relief, GMA.00.043(ON)
- Lemo Connector, FHB.03.305.CLAD52Z
- Cable Jacketed, Santoprene
- Master Key
- CAT5E TO USB CONVERT
- Shrink Marker, M23053/5 COVERED WITH M23053/18 (Clear)
- TPE
- Lemo Connector, FHB.05.305.CLAD52Z

**LENGTH TOLERANCE:**

- \(+.050” (12.7mm) / -0.00 for “L” \leq 12.00” (304.8mm)\)
- \(+1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)\)
- \(+3% / -0 for “L” \geq 60.00” (1524mm)\)
**TARGETING CABLES AND ADAPTERS**

**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:** 808-238-1-36

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>PLRS-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

**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)

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STAR-PAN™

Targeting device cables and adapters

808-212 STERNA True North Finder (TNF) Cable

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-212-18

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>STERNA TNF Data Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>In inches. Omit for default length of 24.00&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)
TARGETING CABLES AND ADAPTERS

JTAC-TOUGH™

STAR-PAN™

Targeting device cables and adapters

808-241 JIM-LR with STERNA Cable

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-241-36

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

Length Designator
In inches, 12" minimum
Omit for default length of 48.00"

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)

Dimensions are subject to change without notice.
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>808-246-52</th>
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</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>STERNA/JIM-LR RS-422 to USB Converter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches, 12&quot; minimum Omit for default length of 48.00&quot;</td>
</tr>
</tbody>
</table>

**TARGETING CABLES AND ADAPTERS**

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

**LENGTH TOLERANCE:**

- +.050" (12.7mm) / -.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)

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Dimensions are subject to change without notice.
**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 -30</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>

**TARGETING CABLES AND ADAPTERS**

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Dimensions are subject to change without notice.
**JTAC-TOUGH™**  
**STAR-PAN™**  
Targeting device cables and adapters  
808-217 Moskito TI with STERNA Cable

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-217</th>
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</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Moskito TI with STERNA Cable</td>
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<tr>
<td>Length Designator</td>
<td>In inches. Omit for default length of 24.00&quot;</td>
</tr>
</tbody>
</table>

**TARGETING CABLES AND ADAPTERS**

Moskito TI with STERNA Cable

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)

**SHRINK MARKER,** M23053/18 (CLEAR)  
**GLENAIR CONNECTOR,** 888-217-XX  
**MASTER KEY,** GLENAIR Y50W 06124  
**ETCHED MARKER,** ETCH-1076-067-2019-49F

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**JTAC-TOUGH™**

**STAR-PAN™**

Targeting device cables and adapters

808-218 Moskito TI Cable

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-218-30</th>
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<tbody>
<tr>
<td>Cable Series</td>
<td>Moskito TI Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Omit 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)
TARGETING CABLES AND ADAPTERS

SPECIFICATIONS

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

HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-251 -30</th>
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</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Moskito TI Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Omit 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

OVERMOLD, POLYURETHANE

OVERMOLD, POLYURETHANE

OVERMOLD, POLYURETHANE

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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<thead>
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<th>Description</th>
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<td>TacROVER-p SIR 2.5 Cable</td>
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<td>TacROVER-p SIR 2.5 Video Cable</td>
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<td>808-082</td>
<td>TacROVER-e SIR 2.5 Cable</td>
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<td>808-067</td>
<td>TacROVER-p SIR 2.5 Cable</td>
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<td>808-267</td>
<td>TacROVER-e SIR 2.5 Cable</td>
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<td>808-152</td>
<td>TacROVER-p SIR 2.5 with TAC-EYE Cable</td>
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<td>808-117</td>
<td>Tactical Net Rover Cable</td>
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<td>808-151</td>
<td>Tactical Net Rover Cable</td>
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<td>TS8-404</td>
<td>Tactical Net Rover Cable with TAC-EYE Adapter</td>
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<td>808-224</td>
<td>StrikeHawk Digital Cable</td>
<td>89</td>
</tr>
</tbody>
</table>
VIDEO / GPS AND AUXILIARY 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 |
| Cable Series: | DAGR GPS Cable |
| Length Designator: | In inches |
| Omit for default length of 32.00" |

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

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™**

**JTAC-TOUGH™**

Video downlink, GPS, and auxiliary device cables

808-045 TacROVER-p SIR 2.0 Cable

---

### SPECIFICATIONS

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

---

### HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-045-36</th>
</tr>
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<tbody>
<tr>
<td>Cable Series</td>
<td>TacROVER-p SIR 2.0 Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches Omit for default length of 32.00&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)
**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® braided cable, olive drab
- Overmolded, ergonomic connector strain reliefs, desert tan.
- Mighty Mouse 807 (NATO standard) connectors and Lemo peripheral device connector
- Weight, 6” cable: (consult factory)
- Export classification: 3A611.x

### How to Order

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-068</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>TacROVER-p SIR 2.5 Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. 6.00” minimum</td>
</tr>
</tbody>
</table>

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

---

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

**Dimensions are subject to change without notice.**
Video downlink, GPS, and auxiliary device cables

808-043 TacROVER-p SIR 2.5 Video Cable

SPECIFICATIONS

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

HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-043-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>TacROVER-p and -e SIR 2.5 Cable</td>
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<tr>
<td>Length Designator</td>
<td>In inches</td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 24.00&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)
JTAC-TOUGH™
STAR-PAN™
Video downlink, GPS, and auxiliary device cables
808-082 TacROVER-e SIR 2.5 Cable

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

HOW TO ORDER

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-082</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 = &quot;U&quot; Bend, P2 Connector Side</td>
</tr>
<tr>
<td></td>
<td>Omit for straight cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches</td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 33.00&quot;</td>
</tr>
</tbody>
</table>

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

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-067 -U -40

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>TacROVER-p SIR 2.5 Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2 Bend Option</td>
<td>U = &quot;U&quot; Bend, P2 Connector Side</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches</td>
</tr>
</tbody>
</table>

LENGTH TOLERANCE: +0.500" (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)
**J Tac Tough™**
**STAR-PAN™**

Video downlink, GPS, and auxiliary device cables

808-267 TacROVER-e SIR 2.5 Cable

**SPECIFICATIONS**

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

**HOW TO ORDER**

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

**LENGTH TOLERANCE:**

- +.050" (1.27mm) / -.000 for "L" ≤ 12.00" (304.8mm)
- +1.80" (45.7mm) / -.000 for "L" between 12.00" (304.8mm) and 60.00" (1524mm)
- +3% / -0 for "L" > 60.00" (1524mm)
**STAR-PAN™**

Video downlink, GPS, and auxiliary device cables

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

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-152</th>
<th>-U</th>
<th>-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>TacROVER-p SIR 2.5 with TAC-EYE Cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P2 Bend Option</td>
<td>U = &quot;U&quot; Bend, P2 Connector Side</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Omit for straight cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 24.00”</td>
<td></td>
<td></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)

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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**

**Sample Part Number:**

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>808-117</th>
<th>-28</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length Designator</strong></td>
<td>In inches</td>
<td></td>
</tr>
<tr>
<td>Omit for default length of 24.00&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DETAILED SPECIFICATIONS:**

- **OVERALL LENGTH “L”**
  - 8.0 MAX
  - 3.85

- **TPE OVERMOLD**
  - 2.00
  - (2.00)

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

- **TPE OVERMOLD**
  - (1.00)
  - (1.00)

- **OVERALL LENGTH “L”**
  - (1.00)
  - (1.00)

- **SEE DETAIL A**
  - PIN 1
  - PIN 2
  - PIN 3
  - PIN 4
  - PIN 5
  - PIN 6
  - PIN 7
  - PIN 8
  - PIN 9
  - PIN 10
  - PIN 11
  - PIN 12
  - PIN 13
  - PIN 14
  - PIN 15
  - PIN 16
  - PIN 17
  - PIN 18
  - PIN 19
  - PIN 20
  - PIN 21
  - PIN 22
  - PIN 23
  - PIN 24
  - PIN 25
  - PIN 26
  - PIN 27
  - PIN 28
  - PIN 29
  - PIN 30

**LENGTH TOLERANCE:**

- +.050" (12.7mm) / -.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)
87

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JTAC-TOUGH™

STAR-PAN™

Video downlink, GPS, and auxiliary device cables

808-151 Tactical Net Rover Cable

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-151-28

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>TNR Cable, with RPB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>In inches</td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 24.00”</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)
**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 reliefs, black.
- Aluminum housing, black zinc-nickel finish
- Black stainless steel thumbscrew
- Mighty Mouse 807 (NATO standard) connectors.
- Weight, 24” cable, (consult factory)
- Export classification: ECCN 3A611.x

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS8-404</th>
<th>-28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>TNR Cable, without RPB</td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches</td>
<td>Omit for default length of 24.00”</td>
</tr>
</tbody>
</table>

**LENGTH TOLERANCE:**

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

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Dimensions are subject to change without notice.
Video downlink, GPS, and auxiliary device cables

808-224 StrikeHawk Digital Cable

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-224 -28</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>

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

**OVERALL LENGTH “L”**

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™ Host/EUD cables and adapters

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-101</td>
<td>Panasonic® Toughpad® FZ-M1/FZ-B2 Adapter</td>
<td>91</td>
</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>
</tr>
<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, -160, -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>

- Kägwerks tactical EUD case with Adapter Cable
- Tactical EUD Juggernaut Case with Adapter Cable
- USB-C EUD Charging Cable
JTAC-TOUGH™
STAR-PAN™
Host/EUD cables, adapters, and accessories
808-101 Panasonic® Toughpad® FZ-M1 Adapter

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

HOW TO ORDER
<table>
<thead>
<tr>
<th>Part Number:</th>
<th>808-101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adapter</td>
<td>Panasonic Toughpad FZ-M1 Adapter</td>
</tr>
</tbody>
</table>

CONNECTOR INSTALLATION
- LATCH OPEN
- INSTALL THIS END FIRST

SHOWN INSTALLED ON TABLET (TABLET NOT INCLUDED)
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>
</tr>
</thead>
<tbody>
<tr>
<td>Adapter Series</td>
<td>Panasonic Toughpad FZ-M1 Adapter</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Max. 168.00 inches (14 ft.)</td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 12.00&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)

Dimensions are subject to change without notice.
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>
<th>-001</th>
<th>-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>Micro-B USB 2.0 adapter cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB Interface</td>
<td>-001 Left</td>
<td>-002 Right</td>
<td></td>
</tr>
<tr>
<td>Orientation</td>
<td>In inches</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length Designator</td>
<td>Omit for default length of 18.00&quot;</td>
<td></td>
<td></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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Dimensions are subject to change without notice.
HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES

808-093 Micro-B USB 3.0 Cable

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

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

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

OVERALL LENGTH “L”

TPE OVERMOLD

GLENAIR CONNECTOR.
8070-1676-DZNU6-6PY
PIN 2 IS FMLB

(PART NUMBER)
GLENAIR YYWW/06324

SHRINK LABEL
M23053/5 (BLK) COVERED WITH M23051/18 (CLR)
(LOCATION CENTER)

FILL UP 4 CAVITIES WITH HYSOL 2%

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

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

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 for “L” > 60.00” (1524mm)
**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>808-135-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adapter Series</td>
<td>Host USB-C Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Max. 36.00 inches Omit for default length of 19.00&quot;</td>
</tr>
</tbody>
</table>

---

**Dimensions**

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)

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

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>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>In inches. Max. 48.00 inches Omit for default length of 24.00&quot;</td>
<td></td>
</tr>
</tbody>
</table>

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

**LENGTH TOLERANCE:**
- +1.00" (12.7mm) / -0.00 for "L" from 6.00" (152.4) to 24.00" (609.6)
- +1.80" (45.7mm) / -0.00 for "L" from 24.00" (609.6) to 48.00" (1219.2)
EUD
HOST/EUD CABLES, ADAPTERS, AND ACCESSORIES
SPECIFICATIONS

### Sample Part Number: 808-281-30

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable Series</strong></td>
<td>USB-C Charger Cable with Power Delivery</td>
</tr>
<tr>
<td><strong>Length Designator</strong></td>
<td>In inches. Maximum 48.00”</td>
</tr>
<tr>
<td><strong>Omit for default length of 24.00”</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Specifications:**

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

**HOW TO ORDER**

**P1**
- JUGGERNAUT USB TYPE-C CABLE 24 INCH (610MM BLACK) MODEL IS REFERENCE ONLY

**P2**
- TO POWER SOURCE

**SANTOPRENE BLACK JACKET**

**“LENGTH” IN INCHES (SEE P/N DEVELOPMENT)**

**LENGTH TOLERANCE:**

- +1.50” (38.1mm) / -1.00 (25.4mm) for “L” from 6.00” to 24.00”
- +2.50” (63.5mm) / -0.00 for “L” from 24.00” to 48.00”

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

<table>
<thead>
<tr>
<th>Part Number:</th>
<th>808-102</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector</td>
<td>Host Mode Adapter Cable</td>
</tr>
</tbody>
</table>

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

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

---

**POLYURETHANE OVERMOLD**

**SHRINK LABEL**

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

6.00 INCHES (+1.00/-0.00)
**STAR-PAN**

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

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

**SPECIFICATIONS**

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

**HOW TO ORDER**

**Part Number:** 808-096

Connector Adapter | STAR-PAN Host Mode On-The-Go Adapter Connector, 64.9K resistance

**Part Number:** 808-160

Connector Adapter | Sav-Con® Connector Saver/Adapter for Mighty Mouse 807 connectors, 49.9K resistance

**Part Number:** 808-271

Connector Adapter | Sav-Con® Connector Saver/Adapter for Mighty Mouse 807 connectors, 82K resistance

**On-The-Go**

**Host Mode Adapter**

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

LIGHT, I, II, IV, AND VI
**JTAC-TOUGH™**

**STAR-PAN™**

Host/EUD cables, adapters, and accessories

**808-259 Gender Changer Adapter**

**SPECIFICATIONS**

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

**HOW TO ORDER**

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

**Gender Changer Adapter**

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

Use to convert STAR-PAN I PAN port into radio port

**Dimensions** are subject to change without notice.
COMMERCIAL PROTOCOL CABLES AND ADAPTERS

<table>
<thead>
<tr>
<th>Part No. / Description</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>808-079</td>
<td>USB Type A Cable</td>
<td>102</td>
</tr>
<tr>
<td>808-145</td>
<td>USB Type A EUD Cable</td>
<td>103</td>
</tr>
<tr>
<td>808-053</td>
<td>PAN Port to USB-A Cable</td>
<td>104</td>
</tr>
<tr>
<td>808-111</td>
<td>USB On-The-Go Adapter Cable</td>
<td>105</td>
</tr>
<tr>
<td>808-233</td>
<td>USB-C Host to USB-A Cable with Power Delivery</td>
<td>106</td>
</tr>
<tr>
<td>808-110</td>
<td>DB-9 RS-232 Cable</td>
<td>107</td>
</tr>
<tr>
<td>808-078</td>
<td>RJ45 Plug Cable</td>
<td>108</td>
</tr>
<tr>
<td>808-084</td>
<td>RJ45 Receptacle Cable</td>
<td>109</td>
</tr>
</tbody>
</table>

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Dimensions are subject to change without notice.
COMMERCIAL PROTOCOL CABLES AND ADAPTERS

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-079</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>USB-A Host Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Maximum 180&quot; 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

**OVERALL LENGTH “L”**

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

**PART NUMBER**

GLENAIR YYWW 06324

**OVERALL LENGTH “L”**

**LENGTH TOLERANCE:**

- +.050" (12.7mm) / -0.00 for “L” ≤ 12.00” (304.8mm)
- +1.80” (45.7mm) / -0.00 for “L” between 12.00” (304.8mm) and 60.00” (1524mm)
- +3% / -0 for “L” > 60.00” (1524mm)
**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-145 -24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>USB-A Host Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Omit for default length of 18.00&quot;</td>
</tr>
</tbody>
</table>

**OVERALL LENGTH “L”**

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

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

**HOW TO ORDER**

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

**Dimensions**

<table>
<thead>
<tr>
<th>OVERALL LENGTH &quot;L&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
</tr>
<tr>
<td>TPE OVERMOLD</td>
</tr>
<tr>
<td>GLENAIR CONNECTOR, 8070-1676-062NU6-6PY PIN 2 IS FMLB</td>
</tr>
<tr>
<td>USB TYPE A - RECEPTACLE, USBFIREWIRE.COM CABLE ASSY, P/N: RR-AFX2-10G OR EQ</td>
</tr>
</tbody>
</table>

LENGTH TOLERANCE: +.050" (12.7mm) / -.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)
808-111 USB On-The-Go Adapter Cable

**SPECIFICATIONS**

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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>808-111-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Series</td>
<td>STAR-PAN USB-A Receptacle OTG Adapter Cable</td>
</tr>
<tr>
<td>Length Designator</td>
<td>In inches. Omit for default length of 5.00&quot;</td>
</tr>
</tbody>
</table>

**QUALIFIED FOR USE WITH**

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

**OVERALL LENGTH "L"**

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

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

LENGTH TOLERANCE: +.050” (12.7mm) / -.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)
COMMERCIAL PROTOCOL CABLES AND ADAPTERS

SPECIFICATIONS

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

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

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

Shrink markers, RJ-22244/200 covered with NJ-305-318 (clear)

Part Number: Glenair YYWW [XX]X

18.00 inches (+1.80/-0.00)

TPE Jacket Type 2

L-Com USB Type-A Cable
Part: USA00007-G0M-00 EQ

P1

8.00

USB Type-C Cable
Part: BR-C062-XXX or EQ
(USBWire.Com)
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

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>DB-9 RS-232 Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>In inches. Omit</td>
</tr>
</tbody>
</table>

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

JTAC-TOUGH™

STAR-PAN™

Commercial protocol cables, adapters, and accessories

808-078 RJ45 Plug Cable

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-078

Cable Series: STAR-PAN RJ45 Ethernet Cable

Length Designator: In inches. Omit for default length of 24.00"

LENGTH TOLERANCE:

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

OVERALL LENGTH "L"

6.00 INCHES (+1.00/-0.00)

POLYURETHANE (TPU) OVERMOLD

LENGTH TOLERANCE:

- For "L" ≤ 12.00" (304.8mm): +0.050" (1.27mm), -0.00"
- For "L" between 12.00" (304.8mm) and 60.00" (1524mm): +1.80" (45.7mm), -0.00"
- For "L" > 60.00" (1524mm): +3% / -0"
JTAC-TOUGH™

STAR-PAN™

Commercial protocol cables, adapters, and accessories

808-084 RJ45 Receptacle Cable

SPECIFICATIONS

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

HOW TO ORDER

Sample Part Number: 808-084-24

<table>
<thead>
<tr>
<th>Cable Series</th>
<th>RJ45 Ethernet Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Designator</td>
<td>In inches.</td>
</tr>
<tr>
<td></td>
<td>Omit for default length of 30.00&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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Dimensions are subject to change without notice.
**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

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS4-011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft Goods</td>
<td>Mission Kit Bag</td>
</tr>
<tr>
<td>Kit Contents</td>
<td>TS4-001 – Mission Bag (qty. 1) TS4-002 – Large Pouch (qty. 3) TS4-003 – Square Pouch (qty. 2) TS4-004 – Medium Pouch (qty. 2)</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Sample Part Number:</th>
<th>TS4-001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft Goods</td>
<td>Mission Kit Bag</td>
</tr>
</tbody>
</table>
SOFT GOODS

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:  
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:  
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:  
Soft Goods  Pouch, medium

Dimensions are subject to change without notice.
Worldwide (NATO) quick-disconnect standard for tactical soldier system C4ISR device interconnection

TURNKEY OVERMOLDED AND OVERBRAIDED FACTORY ASSEMBLIES

- 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

STAR-PAN connectors and cables are broadly compatible with both US and NATO (STANAG 4695) dismounted soldier systems
807 Mighty Mouse Quick-Disconnect
Worldwide standard for tactical soldier system
C4ISR device interconnection

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

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

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

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

SERIES 806 MIL-AERO: FEATURES / SPECIFICATIONS

- Supported wire sizes:
  #20HD contacts
  20–24 AWG
  #22HD contacts
  22–28 AWG

- Dielectric withstanding voltage
  #20HD layouts: 1800 Vac
  #22HD layouts: 1300 Vac

- Reduced pitch triple-start modified anti-decoupling stub ACME mating threads

- “Triple ripple” wire sealing grommet (75,000 ft. rated)

- Integral Nano-Band shield termination platform

- EMI shielding effectiveness per D38999M para. 4.5.28 (65 dB min. leakage attenuation @ 10GHz)

- 10,000 amp indirect lightning strike

- MIL-S-901 Grade A high impact shock

AVAILABLE LIGHTWEIGHT ALUMINUM “CODE RED” HERMETICS

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

SERIES 806 MIL-AERO PLUG

- Coupling Nut Retainer Ring
  Stainless steel

- Coupling Nut
  Aluminum alloy

- Insert Retention Ring
  Stainless steel

- Wire Seal
  Fluorosilicone rubber

- Insulators
  Glass-filled rigid dielectric

- Contacts
  Gold-plated copper

- Plug Barrel
  High strength alloy

- Anti-Decoupling Spring
  Stainless steel

- Interfacial Seal
  Fluorosilicone rubber

- EMI Ground Spring
  Nickel-plated BeCu

SERIES 806 MIL-AERO RECEPTACLE

- Insert Retention Ring
  Stainless steel

- Wire Seal
  Fluorosilicone rubber

- Insulators
  Glass-filled rigid dielectric

- Jam Nut
  Aluminum alloy

- Shell / Mating Interface
  Aluminum, modified triple-start

- Panel O-ring
  Fluorosilicone

- Shell Body
  Aluminum alloy

SMALLER AND LIGHTER WITH EQUAL D38999 PERFORMANCE?

- High-Density Layouts
  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

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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

"Hot shoe" receptacle with PC tail terminations

Ultra low-profile in mated condition

Overmolded cordsets

.425"

.065"
The Series 860 MouseBud™ is designed for vest-wearable and helmet-mounted cable-to-tactical equipment interconnections. The ultra low-profile spring contact equipped MouseBud™ mated connector stack is less than 1/2 inch, making it the lowest-profile right-angle solution available today. Overmolded MouseBud cordsets are available in two standard versions. Style 1 cordsets feature thermoplastic polyurethane cable jackets and polyamide overmolding. Style 2 cordsets with thermoplastic rubber (TPV) cable jackets and overmolding offer excellent cold bend performance down to -55° C.

MouseBud Specifications

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

Glenair MouseBud snap-lock, trigger-release connectors feature a spring-loaded contact system for excellent resistance to damage and debris entrapment. The biased plunger is machined from solid copper alloy for improved strength, durability, and electrical performance compared to plungers drawn from sheet metal.
High speed, harsh environment SuperFly® Datalink connectors—shielded for 10Gb Ethernet and SuperSpeed USB protocols—deliver outstanding signal integrity and save significant size and weight compared to Quadrax solutions.

- Ultra-small size
- Shielded Octaxial contacts
- Up to 5 Gbps
- 10Gb Ethernet and SuperSpeed USB
- Environmentally protected
- Factory-terminated cables or discrete contacts and cables for customer assembly
SERIES 882
SuperFly® Datalink
The high-speed ultraminiature connector for harsh environment defense applications

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

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

SS2-001
Plug Connector
SS2-002
Receptacle Connector

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

Cable Connector
Cable Sealing Grommet
Backshell
O-ring
Retainer Clip
Cable Shield Bushing
Spline
Inner Insulator
Pin Contacts
Coupling Nut and Shell Assembly

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

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

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

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

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

151-001 MIL-DTL-55116 QPL audio plug with wire strain relief
151-002 MIL-DTL-55116 QPL audio plug/overmold adapter
151-003 MIL-DTL-55116 QPL radio-mount jam nut receptacle
151-004 MIL-DTL-55116 QPL in-line receptacle, strain relief
SERIES 152 INTERMATEABLE
HiPer 55116
Radio Connectors and Cables
Superior environmental, EMC, and durability performance

SERIES 152 HIPER 55116 CONNECTOR SELECTION GUIDE

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

Overmolded audio plug cordset with wire strain relief

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

Overmolded audio plug cordset

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

Overmolded in-line audio receptacle cordset

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

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

Special adapter configurations and protective covers
SuperSeal RJ45 and USB field connectors. Now available for USB SuperSpeed 3.0

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 SUPERSPEED USB 3.0 RUGGEDIZED FIELD CONNECTORS

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

TURNKEY SUPERSPEED USB 3.0 CABLE ASSEMBLIES AND JUMPERS

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

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

SUPPORTED USB 3.0 CONNECTOR TYPES

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

USB ORIENTATION OPTIONS

- Horizontal
- Vertical

= Master Keyway
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.
M85049 (AS85049) backshells and connector accessories

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

M85049 composite backshells and covers for MIL-DTL-38999

M81511 (AS81511) protective covers and connector accessories

MIL-DTL-83723 backshells and connector accessories

MIL-PRF-24758 Navsea-qualified conduit and fittings

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