Backshells, Feed-Thrus, and Wire Management

Signature Interconnect Solutions for Commercial Aircraft
Industry-leading backshell and accessory designs for weight reduction, reduced cost-of-ownership, and increased reliability

Glenair is the go-to design partner for innovative solutions to electrical wire interconnect system problems in airframe applications. Our backshell and connector accessory design engineers are responsible for more problem-solving innovation in our industry than every other connector accessory supplier combined. Take our new CompAction connector accessory design (shown left on a Series 806 Mighty Mouse). The splined interface and unique compression grommet delivers guaranteed environmental sealing, even at high altitude, on difficult-to-seal asymmetrical twisted-pair wiring.

NEW INNOVATIONS IN Connector Backshells and Accessories
Unique, problem-solving backshells and connector accessories for aerospace applications

HIGH-TEMP, LIGHTWEIGHT COMPOSITE THERMOPLASTIC ACCESSORIES
- Split-shell and snap-lock banding backshells
- Connector coupling ring safety sleeve for F/O applications
- Piggyback boot Band-in-a-Can
- Drop-in EMI/RFI shield termination configurations

PRESSURE BOUNDARY, FIREWALL, AND SPLIT-SHELL FEED-THRU
- High-grade engineering thermoplastic or machined metal
- Six pressure-boundary feed-thru layouts with accommodation for 1 – 6 cables
- Split-shell jam nut versions with EMI/RFI shield termination porch
- O-ring sealed panel and box mounting interface

INNOVATIVE NEW EWIS TECHNOLOGIES 2020
- MIL-DTL-38999 SAV-CON® Connector saver go-between with Micro-D diagnostic test port
- Environmental panel cut-out sealing plug assembly
- Heat shrink boot / wire routing clamp assembly
Innovative Rectangular Backshells and Connector Accessories

Glenair offers more tested and tooled rectangular interconnect products—including the world’s broadest range of rectangular backshells—than any other supplier in the industry. Simply put, from the smallest Micro-D subminiature to the largest ARINC 600, Glenair has an unparalleled range of solutions. Need something light and corrosion free? Glenair is the industry leader in tooled composite thermoplastic connector accessories.

- All forms of environmental, mechanical and EMC backshells
- Straight, 45° and 90° cable routing
- High-temp composite thermoplastic and metal shell versions
- To fit all current and legacy rectangular connectors
- Innovative split-shell versions for easy access to wire terminations
- Equally large range of protective covers and caps
- Thousands of part numbers in stock and ready for immediate shipment

Glenair has developed an extensive range of lightweight Split-Shell backshells that completely eliminate assembly hardware in rectangular backshells. The Glenair QwikSnap™ series utilizes innovative composite spring latch technology to reduce weight, FOD, and accelerate assembly.

Proven-performance backshells and accessories for rectangular connectors

MICRO-D AND NANOMINIATURE BACKSHELLS AND CONNECTOR ACCESSORIES

- Composite Micro-D banding backshell
- Plastic caps and covers for safe connector shipment and storage
- Micro-D backshell with elliptical banding platform
- Metal Micro-D banding backshell
- Split-shell backshell
- Environmental protective covers for Micro-D connectors
- Conductive rubber covers

M24308 D-SUB SOLUTIONS: HIGH PERFORMANCE, RUGGEDIZED D-SUBMINIATURE PRODUCTS

- Split-shell D-subminiature composite backshell
- Split-shell M24308 composite backshell
- Composite D-subminiature backshells
- Flex-D Composite M24308 Backshell
- Composite Micro-D banding backshell
- M24308 EMI/RFI backshell

LARGER FORM FACTOR RECTANGULAR BACKSHELLS

- Composite EMI/RFI banding backshell for EPX® connectors
- Composite EN4165 optic/electrical backshells
- Backshells for EPX® series connectors
- ARINC series backshells
- Composite airframe banding backshell
- ARINC series backshell with individual wire bundle strain relief
- MIL-C-81659
- Special Quadrax connector backshell

EFX® and EFX® are registered trademarks of Radiall
BAND-MASTER ATS® ADVANCED TERMINATION SYSTEM

Quick, easy, cost-effective and highly reliable termination of braided metallic shielding or fabric braid to connectors and backshells

BAND-MASTER ATS® is the advanced termination system for interconnect cable shielding. The unique low profile and smooth inside diameter of the one-piece type 304 austenitic stainless steel clamping band virtually eliminates RFI/EMI/EMP leakage paths. The lock maintains constant tension under extreme environmental conditions. Band-Master ATS® bands have passed severe shock, vibration and thermal cycle testing with negligible deterioration of shell conductivity and have been approved and added to the specifications for the world’s largest aircraft manufacturers.

### BAND-MASTER ATS® EMI/RFI Shield Termination System

The advanced termination system for interconnect cable shielding

#### Band-Master ATS® Manual Tool Selection

<table>
<thead>
<tr>
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<tr>
<td><strong>601-100 Hand Tool for Standard Bands</strong></td>
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<tr>
<td>The 601-100 Standard Band-Master ATS® Tool weighs 1.1 lbs., and is designed for standard .24&quot; width clamping bands in a tension range from 100 to 180 lbs. Calibrate at 150 lbs ± 5 lbs. for most shield terminations. Tool and band should never be lubricated.</td>
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<tr>
<td><strong>601-109 Hand Tool for Slim Standard Bands</strong></td>
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<tr>
<td>The 601-109 Slim Band-Master ATS® Tool weighs 1.2 lbs., and is designed for slim standard .24&quot; width clamping bands in a tension range from 50 to 100 lbs. Calibrate at 80 lbs ± 3 lbs. for most shield terminations. Tool and band should never be lubricated.</td>
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<tr>
<td><strong>NEW 601-122 Hand Tool for Micro Slim Bands</strong></td>
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<tr>
<td>The 601-122 Micro Slim Band-Master ATS® Tool weighs 1.2 lbs., and is designed for micro slim .125&quot; width clamping bands in a tension range from 50 to 100 lbs. Calibrate at 80 lbs ± 3 lbs. for most shield terminations. Tool and band should never be lubricated. Consult factory for band weights and performance specifications.</td>
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<tr>
<td><strong>601-101 Hand Tool for Micro Bands</strong></td>
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<td>The 601-101 Micro Band-Master ATS® Tool weighs 1.1 lbs., and is designed for micro .08&quot; width clamping bands in a tension range from 50 to 85 lbs. Calibrate at 80 lbs ± 3 lbs. for most shield terminations. Tool and band should never be lubricated.</td>
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<tr>
<td><strong>601-108 Hand Tool for Nano Bands</strong></td>
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<td>The 601-108 Nano Band-Master ATS® Tool weighs 1.1 lbs., and is designed for nano .05&quot; width clamping bands in a tension range from 20 to 50 lbs. Calibrate at 50 lbs ± 3 lbs. for most shield terminations. Tool and band should never be lubricated.</td>
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#### Band-Master ATS® Band Selection

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<tr>
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<tr>
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3 lengths and 3 widths of EMI braid termination bands plus new Slim Standard bands for size and weight savings—50% lighter and lower profile than standard bands. Terminated "Slim" style bands have a tighter, smoother buckle with no sharp edge to injure assembly technicians. Plus, say goodbye to protective tape wrapping! To order a single supplier band, contact Glenair. Bands with built-in calibration counter. Easy-to-use manual tools designed for quick, easy, cost-effective, reliable maintenance of the advanced termination system. The unique low profile and smooth inside diameter of the one-piece type 304 austenitic stainless steel clamping band virtually eliminates RFI/EMI/EMP leakage paths. The lock maintains constant tension under extreme environmental conditions. Band-Master ATS® bands have passed severe shock, vibration and thermal cycle testing with negligible deterioration of shell conductivity and have been approved and added to the specifications for the world’s largest aircraft manufacturers. Quick, easy, cost-effective and highly reliable termination of braided metallic shielding or fabric braid to connectors and backshells. BAND-MASTER ATS® is the advanced termination system for interconnect cable shielding. The unique low profile and smooth inside diameter of the one-piece type 304 austenitic stainless steel clamping band virtually eliminates RFI/EMI/EMP leakage paths. The lock maintains constant tension under extreme environmental conditions. Band-Master ATS® bands have passed severe shock, vibration and thermal cycle testing with negligible deterioration of shell conductivity and have been approved and added to the specifications for the world’s largest aircraft manufacturers. Glenair is a leading supplier of innovative electromagnetic interference shielding solutions designed to meet the requirements of the most demanding environments.

Sign up for our newsletter to receive the latest news and updates on our products and services. Contact us today to learn more about our products and how they can benefit your organization. Glenair is a leading supplier of innovative electromagnetic interference shielding solutions designed to meet the requirements of the most demanding environments. Sign up for our newsletter to receive the latest news and updates on our products and services. Contact us today to learn more about our products and how they can benefit your organization.
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