

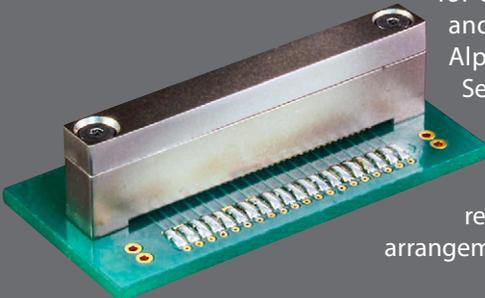
BACKPLANE /
BOARD-TO-BOARD
INTERCONNECTS

AlphaLink

Board-level spring-loaded-contact connectors,
interposers, and turnkey flex jumpers



AlphaLink® SL is a high-performance, solderless board-level connector technology developed by Glenair that significantly expands board-level interconnection options for users of mil-spec caliber connectors. Precision-machined and EMI shielded, these ultralightweight PC tail, solder cup, and/or pigtail equipped connectors are designed for high-reliability applications that require avionic system levels of vibration and shock tolerance. Ultra low-profile and high-density, AlphaLink® SL connectors are equipped with 2–3 Amp spring-loaded contacts and may be ordered either as discrete connectors or in turnkey flex jumpers that combine popular Glenair high-reliability I/O connectors. Glenair is perfectly positioned to provide the entire solution with in-house manufacturing for every component part—from connectors and contacts to rugged polyimide-based flex. AlphaLink® SL flex jumpers are available with Series 80 Mighty Mouse, Series 88 SuperFly, and Series 89 nanominiature circular connectors, as well as Series 89 nanominiature, Micro-D subminiature and Series 79 Micro-Crimp rectangular connectors. A wide range of insert arrangements, from 4–40 contacts is available.



- **Spring-loaded, solderless board-level solution**
- **Available I/O-to-board flex and pigtail wire jumpers**
- **Lightweight, low-profile: up to 40% space savings compared to 2mm pitch solutions**
- **High-density .050" center-to-center contact footprint**
- **Fast and easy PC board integration with reduced board preparation and masking**
- **Temperature, vibration and shock resistant**

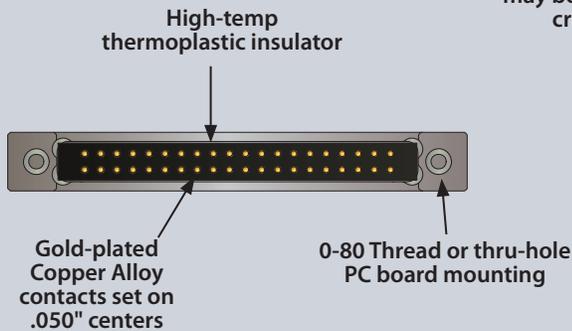
SERIES 171 ALPHALINK® SL

Spring-loaded board level connector

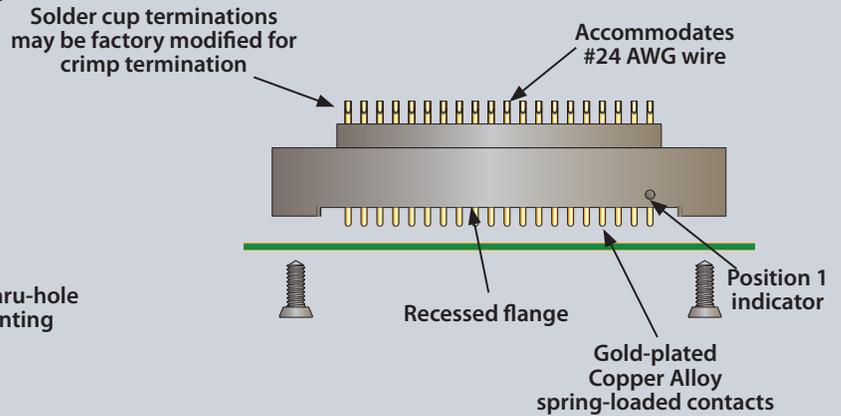
Design features



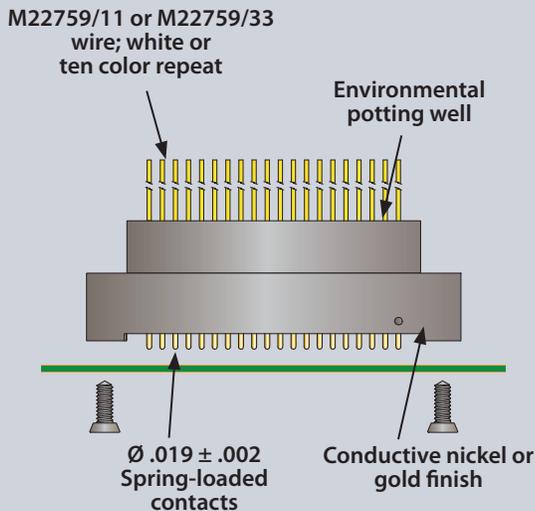
AlphaLink® SL Spring-Loaded Contact Interface



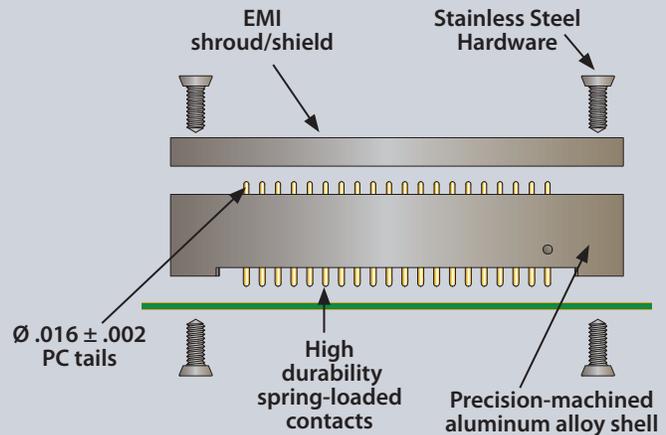
171-134-01 Solder Cup Termination



171-134-03 Wire Pigtail Termination

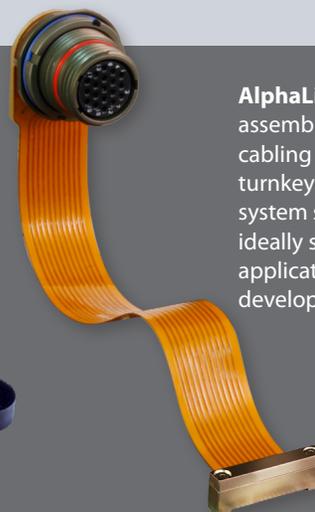
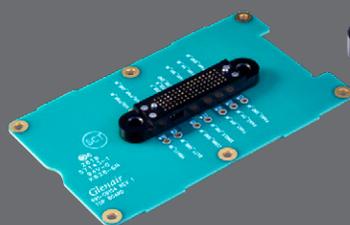


171-134-02 PC Tail Termination



AlphaLink® Interposer and Bridge

Technologies: Unique pogo pin contact technology enables this signature Glenair connector series to deliver the lowest profile board-to-board solution available in the industry today.



AlphaLink® SL flex jumpers: Compact interconnect assemblies that combine circuit board technology and cabling into a lightweight, integrated package. These turnkey jumper assemblies reduce system size and weight and are ideally suited for prototype applications and new product development efforts.

