

LOW INSERTION FORCE, HIGH DENSITY LRM Brush Contact Connectors



Staggered Grid Backplane and Module Solutions Qualified · Intermateable · Harsh-Environment

ABOUT GLENAIR LRM AND BACKPLANE CONNECTORS

Glenair has fully qualified its Staggered Grid LRM interconnect series for reliable interoperability with existing industry products. LRM and backplane connectors manufactured by Glenair are equipped with superior performance brush contacts with precision-machined compliant pin terminations and zero-FOD weld-in-place brush contacts. The connectors are manufactured to standard SEM-E size formats with accommodation for common PWB and heat sink widths and thicknesses.

EMI SHIELD: Aluminum alloy 6061-T6 per AMS 4150; finish is hardcoat anodize per MIL-A-8625 with epoxy final coat. Ground tabs are chromate treated (iridite).

POLARIZATION KEYS: Stainless steel per AMS 5640; finish is black oxide per MIL-DTL-13924. Key retaining ring is Polyamide (nylon 12) with 50% glass filled fibers.

GUIDE PINS: Beryllium copper alloy per ASTM B196, finish is gold per ASTM B 488 over nickel per AMS-QQ-N-290.

ABOUT BRUSH CONTACTS

- Virtually zero fretting corrosion
- Long service life: tested to 200 mating cycles
- No micro-arching
- Zero FOD / zero electrical discontinuity welded brush construction
- Precision-machined compliant pin backplane termination
- Straddle-mount termination (module connector)
- Intermateable with Amphenol LRM

