LRM Interconnect Options

RF MODULES, LRMS WITH HIGH SPEED CONTACTS

LRM inserts have been designed to accommodate the following RF and high speed coaxial contacts:
- Size 16 M39029/79 & /80 shielded contacts
- Size 12 coax for DC-65 GHz
- Size 8 coax for DC-32 GHz
- SMPM RF contacts*
- Hybrid arrangements with RF or high speed shielded contacts and brush contact combinations

Staggered Grid Patterns with RF/Coaxial Contacts
(These drawings are also shown with other staggered grid patterns on pages 19 and 20).

- 108 brush contacts plus an insert for 8 SMPM* style RF contacts
- 80 brush contacts plus an insert for 10 SMPM* style RF contacts
- 80 brush contacts plus an insert for 6 RF contacts
- 108 brush contacts plus inserts for 4 shielded contacts and 4 fiber optic termini
- 152 brush contacts plus an insert for 2 SMPM* style RF contacts
- 152 brush contacts plus an insert for 4 sz. 16 shielded contacts

Staggered grid module with cavities for size 12 coaxial contacts

- 212 brush contacts plus an insert for 2 sz. 16 shielded contacts
- 170 brush contacts plus an insert for 6 sz. 16 shielded contacts

GEN-X Patterns with RF/Coaxial Contacts
(These drawings are also shown with other GEN-X patterns on page 26).

- 80 brush contacts plus an insert for 10 SMPM* style RF contacts
- 80 brush contacts plus an insert for 6 RF contacts
- 108 brush contacts plus inserts for 4 shielded contacts and 4 fiber optic termini
- 152 brush contacts plus an insert for 2 sz. 16 shielded contacts

Amphenol has also developed inserts with brush differential pair contacts that are 100 ohm matched impedance. These support data rates with excess of 1.2 Gbps.

Staggered Grid Patterns with LVDS Differential Pairs
(These drawings are also shown with other staggered grid patterns on page 20).

- 8 brush differential pairs plus an insert for 2 fiber optic MT ferrules
- 16 LVDS differential pairs

Module and backplane with LVDS differential pair brush contacts

* See more information on SMPM RF contacts in Other Rectangular Interconnects Section, page 126. SMPM RF contacts can be supplied by Amphenol SV Microwave. Phone: 561-840-1800 Website: www.svmicrowave.com