

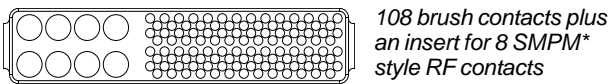
## RF MODULES, LRMS WITH HIGH SPEED CONTACTS

LRM inserts have been designed to accommodate the following RF and high speed coaxial contacts:

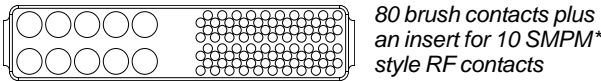
- Size 16 M39029/79 & /80 shielded contacts
- Size 12 coax for DC-65 GHz
- Size 8 coax for DC-32 GHz
- SMPM RF contacts\*
- Hybrid arrangements with RF or high speed shielded contacts and brush contact combinations

### Staggered Grid Patterns with RF/Coaxial Contacts

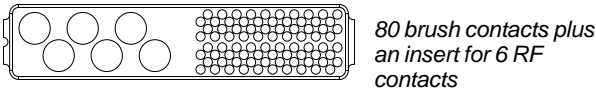
(These drawings are also shown with other staggered grid patterns on pages 19 and 20).



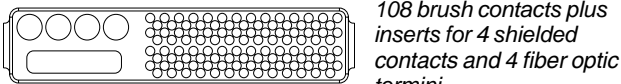
108 brush contacts plus an insert for 8 SMPM\* style RF contacts



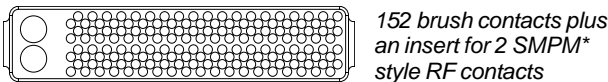
80 brush contacts plus an insert for 10 SMPM\* style RF contacts



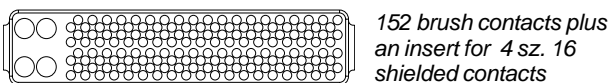
80 brush contacts plus an insert for 6 RF contacts



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



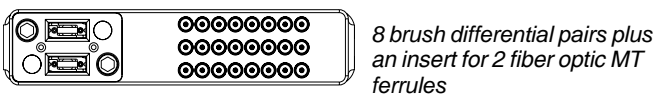
152 brush contacts plus an insert for 4 sz. 16 shielded contacts

\* 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](http://www.svmicrowave.com)

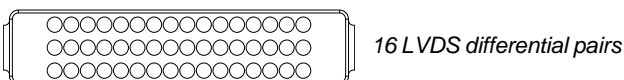
Amphenol has also developed inserts with brush differential pair contacts that are 100 ohm matched impedance. These support data rates with excess of 1.2 Gbps.

### 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



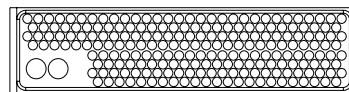
RF module and backplane with size 8 coaxial contacts



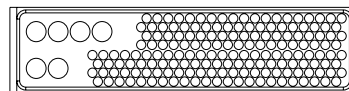
Staggered grid module with cavities for size 12 coaxial contacts

### GEN-X Patterns with RF/Coaxial Contacts

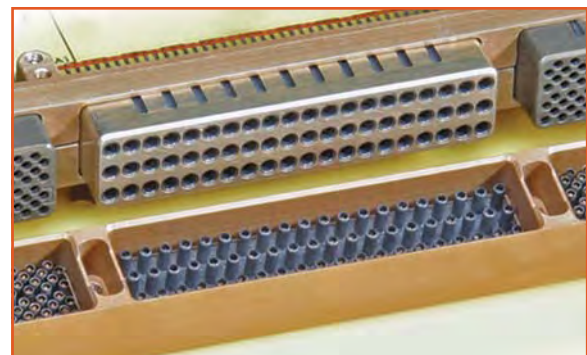
(These drawings are also shown with other GEN-X patterns on page 26).



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



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



Module and backplane with LVDS differential pair brush contacts

Introduction/  
Pkg. Solutions/  
Brush Contact

LRM (Line Replaceable Modules)  
Staggered/ Hybrid - Fiber Optics/  
GEN-X  
Hi Speed/RF/Power  
Options/  
Accessories

Ruggedized  
VME 64x/  
VITA 60, 66

High Density  
HDB3  
HSB3  
Hi Speed

Low Mating Force  
Standard Brush

Hybrid - Signal/Power/  
Coax/Fiber Optics

Docking Conn./  
Accessories/Install.

Rack & Panel  
Brush  
Ruggedized

LRM/LMS  
Rectangular  
Interconnects

Other  
Rectangular  
Interconnects