Hybrid Configurations with Contact Options

SIGNAL, POWER, COAX OR FIBER OPTICS

The B³ Brush contact is the standard contact for Low mating force connectors due to its low mating force, stable electrical performance and extended service life. Design flexibility is expanded with the ability to add combinations of other types of contacts: signal, power, high speed coax or fiber optic termini; in one high density hybrid connector.

Power, shielded coax or twinax contacts, in combination with Brush signal contacts are available in configurations of the following (see next page for illustrations):

- A single row of size 16 power or coax or twinax contacts with 2 rows of brush contacts
- A single row of size 12 power or coax or twinax contacts with 3 rows of brush contacts
- A double row of size 16 power or coax or twinax contacts with 4 rows of brush contacts

Power and coax contacts are standard MIL-DTL-38999 Series II type. (Size 12 & 16 power contacts per M39029/57 & M39029/58. Size 12 & 16 coax per M39029/27, M39029/28, M39029/76 and M39029/77).

Consult Amphenol board level product marketing (800-678-0141) for assistance with available hybrid configurations.

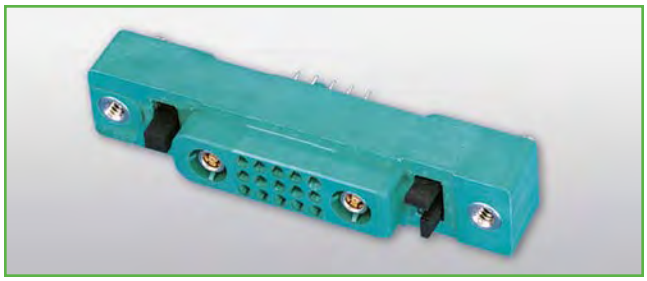
NOTE: Power and coax contacts and fiber optic termini are not provided with the connector and must be purchased separately.

POWER STRIP CONNECTORS

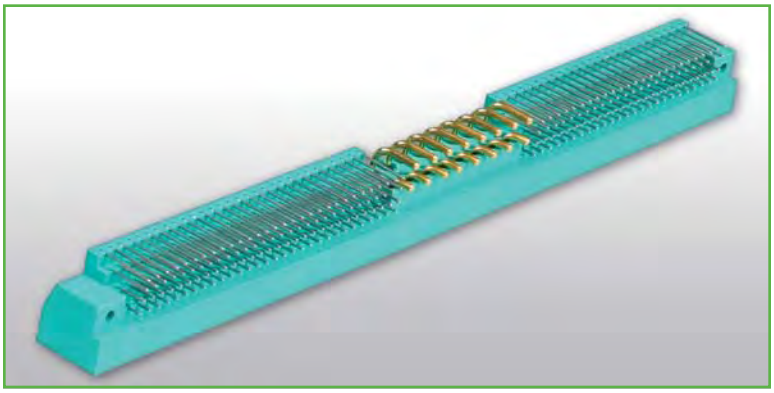
Amphenol's Power Strip connectors were developed for use as a dedicated power interface between module cards and backplanes. These connectors use the same insert bodies as Amphenol low mating force connectors, but have power contacts rather than brush contacts. Cavities allow for size 16 or 12 power contacts. Or, coax/twinax contacts can also be used in these size 16 or 12 cavities.

HYBRID BRUSH CONNECTORS WITH FIBER OPTIC TERMINI

Amphenol's superiority and breadth of product offering is demonstrated in its capability for packaging fiber termini and the Brush contact in a printed circuit board rectangular connector. Fiber optic MIL-PRF-29504 termini size 16 and HD20 can be used as well as the 90° termini style with optical performance the same as when used in cylindrical connectors.
For more information on Amphenol fiber optic connectors and termini, see the Fiber Optic section of Amphenol's Combined Circular Interconnects catalog on-line at www.amphenol-aerospace.com

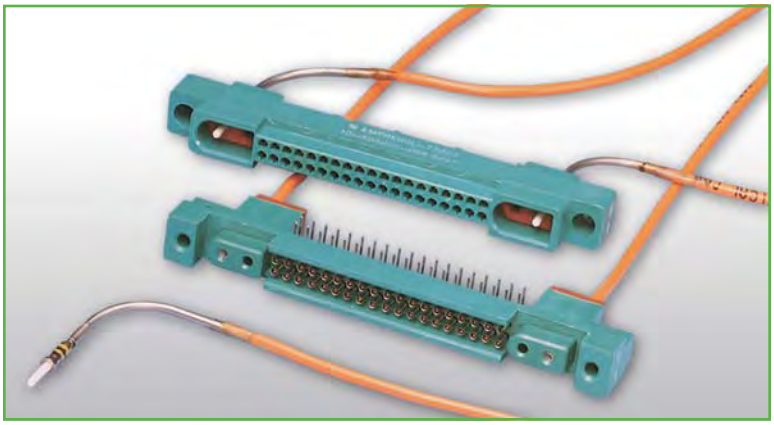


COMBINATION OF BRUSH CONTACTS & SHIELDED CONTACTS



CONNECTOR WITH BRUSH CONTACTS & SIZE 16 POWER PIN CONTACTS

POWER STRIP RECTANGULARS WITH SIZE 16 POWER CONTACTS



COMBINATION OF BRUSH CONTACTS & MS29504 FIBER OPTIC TERMINI