

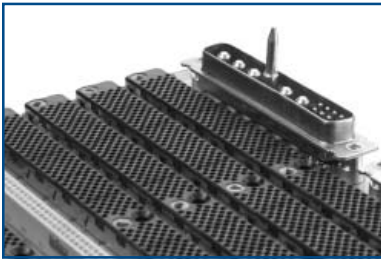
# Rectangular Printed Circuit Board Interconnects, cont.

## UHD Module/Backplane Connectors with Fork and Blade Contacts, Rigid Pin Termination

Reference Catalog 12-036 from Amphenol Backplane Systems or Amphenol Aerospace.



UHD Module Connector, Rigid Pin Termination



UHD Backplane Connector

### APPLICATION

High density interconnects - module and backplane connectors for attachment to printed circuit boards. For military and aerospace applications. M1050 Rigid Pin Series UHD designation.

### STANDARDS/ REQUIREMENTS

SEM-E Format. Qualified to: EIA 15-763, DESC 89065, IEEE 1101.1 to 1101.9.

### COUPLING/ MOUNTING

For surface mount interconnection to printed circuit boards with rigid pin termination. Connector length and body styles can be tailored to meet specific needs.

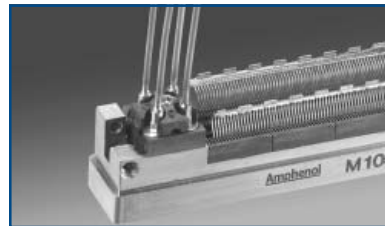
### CONTACT TERMINATION/ ARRANGEMENTS

80 contacts per inch, .025 pitch in an 8 row staggered grid pattern. Module connectors have surface mount blade contacts and the mating backplane connectors have solderless press-fit tuning fork contacts. Available in standard configurations of:

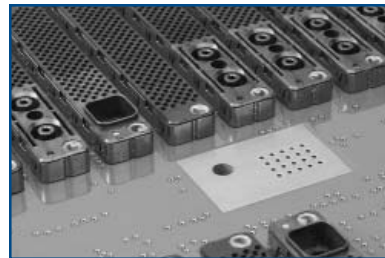
- 372 pin
- 300 pin multi-purpose (fiber optic, coax, power contacts can be inter-mixed)
- 296 pin with 270V power contacts
- 292 pin with coax
- 396 pin Futurebus + SEM-E
- 556 pin Futurebus + 10 SU (designs of up to 680 contacts)

### PERFORMANCE ENVIRON./ELECT.

Operating temp. from -65°C to +125°C. Current: 20 Amps DC @ 25°C. Voltage: 600V (RMS) @ 60 Hz. Contact resistance: 30 Milliohms. Durability: 500 cycles. Compliant press-fit tuning fork contacts provide a solderless, gas tight interface.



UHD Module Connector, Rigid Pin Termination plus Coax Contacts



UHD Backplane Connector, Rigid Pin Termination, Multi-Purpose with Fiber Optics, Coax or Power Contacts

### OPTIONAL FEATURES

- Wide range of high contact density patterns.
- Connector length and body styles can be tailored to meet customer requirements.
- SEM-E Format or 10 SU configurations are available.
- Coax, fiber optic and power contacts available in many configurations.
- EMI shielding options.
- Module covers can be integrated into the connector system.
- Extender board connector configurations are also available so that customers can have access to probe and test modules that are electrically connected to the backplane.
- UHD interconnects are also available in a stacking configuration.

### MARKETS

- Military and Commercial Aviation
- Space Applications
- Shipboard Applications
- Military Vehicles
- C<sup>4</sup>I Electronics
- Ordnance

## UHD Module/Backplane Connectors with Fork and Blade Contacts, Flex Termination

Reference Catalog 12-036 from Amphenol Backplane Systems or Amphenol Aerospace.



UHD Module Connector with Flex Termination

### APPLICATION

High density interconnects - module connectors for attachment to printed circuit boards. For military and aerospace applications. FM1050 Flex Term Series UHD designation.

### STANDARDS/ REQUIREMENTS

SEM-E Format. Qualified to: EIA 15-763, DESC 89065, IEEE 1101.1 to 1101.9.

### COUPLING/ MOUNTING

For surface mount interconnection to printed circuit boards with flex termination. Connector length and body styles can be tailored to meet specific needs, as well as custom flex designs to fit precise spacing requirements.

### CONTACT TERMINATION/ ARRANGEMENTS

Same staggered grid pattern of UHD rigid pin connectors, but terminated to boards with flex circuits.

### PERFORMANCE ENVIRON./ELECT.

Meets same performance levels as UHD connectors with rigid pin termination.

### OPTIONAL FEATURES

- Same options as UHD connectors with rigid pin termination shown above.

### MARKETS

- Same as listed above