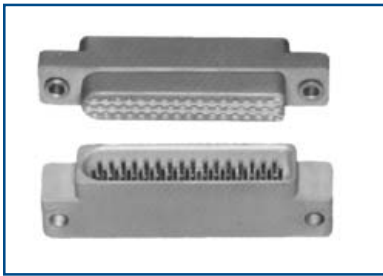


Rectangular Printed Circuit Board Interconnects, cont.

PCB Connectors with Crimp, Solder or PCB Contacts

Reference Catalog 12-033



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION/ ARRANGEMENTS	PERFORMANCE ENVIRON./ELECT.
Rectangular connectors for attachment to printed circuit boards. Mother board, Daughter board, I/O styles available.	MS versions meet MIL-C-55302 standards.	For mounting to printed circuit boards. Discrete wire termination also available. Accessory polarization provides additional keying positions.	Crimp, solder and PCB termination. Styles range in available spacing of .090, .100 and .150 ctr. to ctr. PCB90/A has 30 to 49 contacts. PCB100A has 61 contacts. PCB100B has 58 or 87 contacts. PCB100C has 39 or 59 contacts. PCB150A has 40 or 76 contacts.	Connector performances meet MIL-C-55302/67 through /78 standards. Operating temp. from -65° C to +125° C. Connector bodies are high performance glass fiber filled epoxy, dielectric material. Durability: 500 cycles of mating and unmating. Crimp contacts used are MIL-DTL-38999 Series II type.

OPTIONAL FEATURES

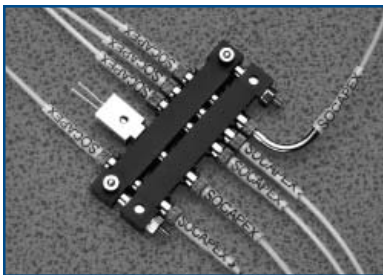
- Offered in 5 styles per MIL-C-55302/67 through /78 with varying spacing and contact arrangement choices.

MARKETS

- Heavy Equipment/Off Road Vehicles
- Power Generation
- Mass Transportation

HE8 Rectangular PCB Series

Reference Amphenol Socapex Catalog E301 or consult your local Amphenol sales office for further information.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION/ ARRANGEMENTS	PERFORMANCE ENVIRON./ELECT.
Low profile rectangular connectors for attachment to printed circuit boards. Mother board, daughter board styles.	In accordance with MIL-C-55302 (140 to 155) and IEC130-16 standards.	Panel and printed circuit board mounting. Hoods and locking devices are available for HE801, HE804 and HE807 plugs that enable polarization.	Offered in 3 styles: HE 801 17 to 144 contacts on 2 or 3 rows. Intermates to competitor styles. HE 804 17 to 144 signal contacts on 2 or 3 rows. Recommended version for harsh environments. HE 807 5 to 84 contacts on 2 rows only, and 3 to 10 size 16 cavities for power, coaxial contacts or optical termini.	Operating temp. from -55° C to +125° C. Insulator is DAP material. Contact resistance: <12 milliohms.

OPTIONAL FEATURES

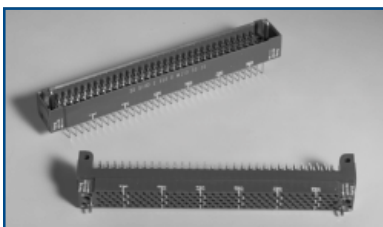
- Straight, right-angled, crimp, solder, SMT and wire-wrap options.
- Mixed layouts available with cavities accepting power or coax contacts or optical termini.

MARKETS

- Military/Aerospace
- Telecommunications

SIHD High Density Interconnect Systems

Consult your local Amphenol sales office for further information.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION/ ARRANGEMENTS	PERFORMANCE ENVIRON./ELECT.
High density mother board and daughter board rectangular connectors with fork and blade type contacts that are attachable to printed circuit boards.	Combines advanced thermal conductivity technology with grounding contacts (central ground straps) to provide transient protection.	Can be centered or off-centered mounted. Withstands rigors of soldering operations - vapor phase, infrared reflow, wave processes. Polarizing pins for mounting to boards.	Termination styles: Surfacemount and thru hole PCB. Arrangements: From 108 to 390 signal contacts (fork and blade style), arranged in 5 rows in a staggered grid pattern.	Operating temp. from -55° C to +125° C. Connector bodies are lightweight DAP material. Permissible lateral displacement of the plug within the receptacle of up to ± 0.012 inch, to allow for the use of thermal clamps. See page 48 for information on thermal clamps.

OPTIONAL FEATURES

- MB receptacle, DB plug, Plug test, and extender receptacles are available.
- Contact layouts available for backplane, daughter boards with right angle dip solder contacts, or daughter boards for surface mount contacts.

MARKETS

- Military Equipment and Flight Control Systems
- Nuclear Submarine Sonar and Missile Systems