



0.6mm Free Height (FH) and GIGA Connectors

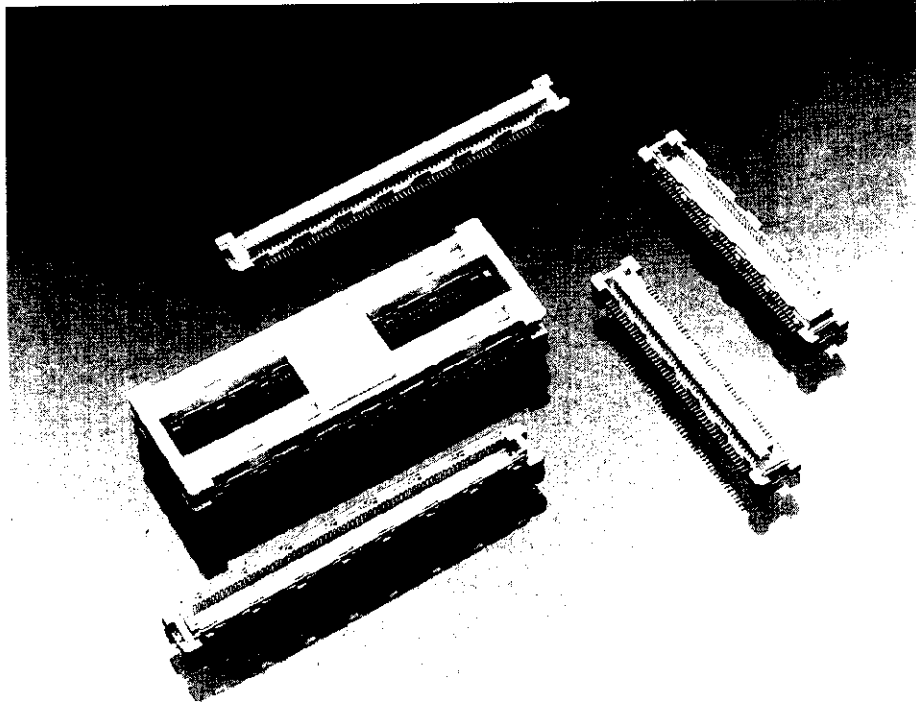
Photo 105879

Product Facts

- 0.6 [.024] pitch SMT connectors for parallel board stacking
- Connector sizes ranging from 50 to 280 positions
- Solder pegs included for anti-peeling
- Available packaged on "tape-and-reel" for automatic placement per EIA standards
- Surface areas provided to accommodate vacuum nozzles
- Enhanced electrical performance grounded version (GIGA) available for high speed signals
- Recognized under the Component Program of Underwriter Laboratories Inc., File No. E28476



0.6mm FH and GIGA Connectors



AMP 0.6mm Free Height (FH) and GIGA connectors are designed for use in the parallel stacking of printed-circuit boards. These 0.6 [.024] fine pitch connectors provide the capability of varying the spacing between parallel boards, depending upon the components to be packaged or equipment designs. They are best suited for applications where miniaturization is essential, such as notebook PCs, sub-notebook PCs, pen pads, cellular phones and communication equipment.

This connector family consists of vertical board-mount receptacles and plug assemblies. By using various combinations of plug and receptacle heights, it is possible to alter the spacing of parallel boards between 4 [.157] and 16 [.630].

The enhanced electrical performance version (GIGA) includes receptacles loaded with contacts for grounding circuits at every 9 or 10 signal circuits. These ground contacts mate with grounding plates on both sides of the plug assemblies.

0.6mm FH and GIGA connectors are packaged in trays or on "tape-and-reel" for high volume production. Each connector half features surface areas to accommodate "pick-and-place" vacuum nozzles without secondary covers. Some connector sizes are available packaged in a unique "bridge" to facilitate the alignment of dual connectors on PC boards during placement and SMT processing.

Performance Characteristics

Voltage Rating: 50 VAC

Current Rating: 0.5 ampere

Overall Resistance:
less than 30 milliohms

Dielectric Withstanding Voltage:
0.2 kVAC

Operating Temperature:
-40°C to +85°C