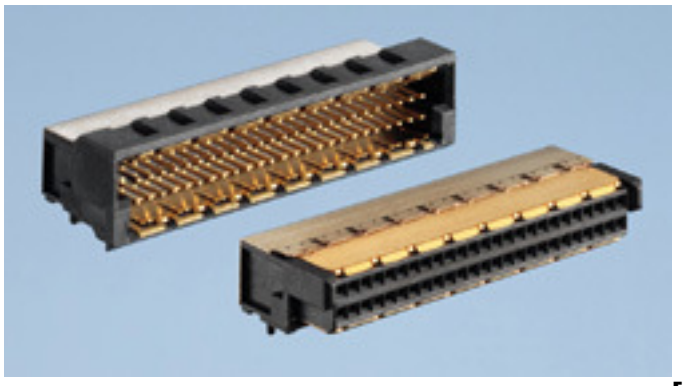
Connector family MicroSpeed with 90° variants

ECN Europe

Erni Electronics has expanded its 1.0mm MicroSpeed connector family to include a 2-row 90° version in addition to the standard vertical male and female connectors designed for typical Mezzanine applications. The new right angled MicroSpeed connectors support data rates of up to 10 Gbit/s, and are the result of intensive development work utilizing new connecting and material technologies, combined with Erni's double-sided spring contacts and complete shielding of the top and bottom sides. The 90° MicroSpeed enables ultra compact connections from either backplane to daughter cards or coplanar connections from one daughter card to another.

The modular and shielded signal connectors are available in 2 rows with 50 pins, and operate across a wide temperature range (-55 °C to +125 °C). The signal contacts are built with SMT termination, and are also equipped with two termination options for the enveloping shielding depending on the application; SMT or Through Hole Reflow (THR) for extra heavy cards or extra mechanical strain relief. SMT signal coplanarity is 100% guaranteed at less than 0.10mm on all contacts. The signal connector's longitudinal pitch of 1.0mm and transverse pitch of 1.5mm allows the differential or single-ended signals to be arranged horizontally or vertically to meet specific impedance requirements. Optimized crosstalk behavior is achieved through a variety of layout configurations and is supported by test data, available upon request.



[1] ***Picture: Erni Electronics***

MicroSpeed connectors are supplied in tape and reel packaging. They are equipped with black insulator housings to ensure fast and reliable visual recognition, and a pre-mounted pick-and-place cover for easy assembly onto the PCB.

SOURCE [2]

Source URL (retrieved on *12/19/2013 - 2:42pm*):

http://www.ecnmag.com/blogs/2011/03/connector-family-microspeed-90%C2%B0-variants

Links:
[1] http://ecneurope.files.wordpress.com/2011/03/kl-erni-microspeed.jpg
[2] http://ecneurope.wordpress.com/2011/03/15/connector-family-microspeed-with-90%c2%b0-variants/