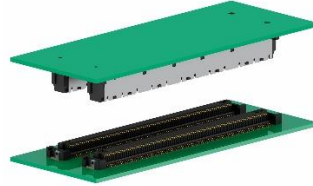


High Speed SMT PCB Connector for 16 Gbps applications

Colibri® is a shielded, two-row SMT connector system with a 0.5-mm pitch.



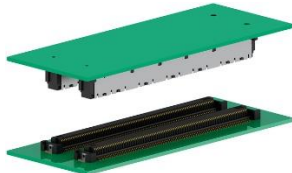
Features

- Meets the requirements of PICMG COM Express®
- and SFF-SIG CoreExpress®
- Compatible with popular connectors
- For 10+ Gbit/s or 16+ Gbit/s applications
- Rugged connector design
- Integrated area for placement
- Packaged in tape & reel

Applications

- COM Express®
- CoreExpress®
- Mezzanine board-to-board
- VITA59

Features of Colibri COM Express Connectors



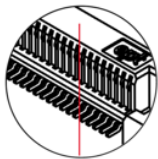
Colibri® is a shielded, two-row SMT connector system with a 0.5-mm pitch. It meets all of the specifications for PICMG COM Express®, SFF-SIG CoreExpress®, and nano-ETXexpress. Colibri® products are compatible with all popular connector systems on the market and have been thoroughly tested.



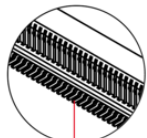
Receptacle (Female connector)

for COM Module

detail overview



Area for pick-and-place



196 signal and 24 ground pins



0.5 mm pitch



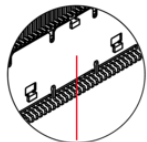
Plug (Male connector) for Carrier Board



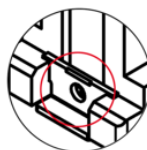
Optional: pick-and-place cap



Guide posts



Shield



SMT fixing

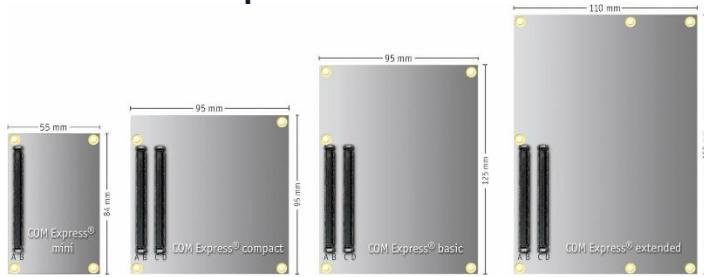
The COM Express Standard



The COM Express® standard was developed by PICMG for the computer-on-module (COM) form factor. The standard specifies, among other things, what size the module should be and where the mounting holes and pin connections for the carrier board should be positioned.

COM Express® modules integrate the core functionalities of a bootable PC, including CPU, a graphics processor, internal memory, and standard interfaces. Connecting a COM module to a carrier board reduces development time and costs. In addition, it is possible not only to extend the cycle of a product, but also to upgrade it by attaching newer, higher performance COM Express® modules to the carrier board.

PICMG COM Express® Module Sizes



Typical areas of application for COM Express

- Industrial automation
- Kiosk and POS systems
- Medical technology
- Metrology
- Consumer electronics and gaming
- Transportation
- Facilities engineering