

Flexible Printed Circuit Connector



AVX Corp. introduces an emerging standard in flexible printed circuit (FPC) connector technology with its 0.30mm pitch FFC/FPC connector. Designated the 6255 and 6265 Series, these connectors feature expanded capabilities for both low and high pin count applications, while also including standard gold plating for higher speed, low contact resistance applications. Both series meet the industry's increased I/O pin count requirements with minimum impact on PCB real estate. These 0.30mm pitch connectors feature the lowest profile "Z" axis height in the industry, and are designed around thinner FPC cable.

Applications for the 0.30mm pitch FPC connectors include digital cameras, cellular telephones, camcorders, PDAs, portable data terminals and mini-disk players. Both series feature a flip-top actuator that rotates 110 degrees for easy cable insertion. Staggered dual row PCB termination provides mechanical stability and easy soldering on 0.60mm spacing. The contacts are single-sided, bottom loaded and rated at 0.2A per pin, and are currently tooled with 11 to 39 contact positions, with future release for 7 to 65 contacts.

Voltage rating is 50V maximum and operating range is -25°C to +85°C. In addition to various height and pin count configurations, development efforts are currently underway for a top contact version. All parts are surface mountable and compatible with automated assembly equipment.

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