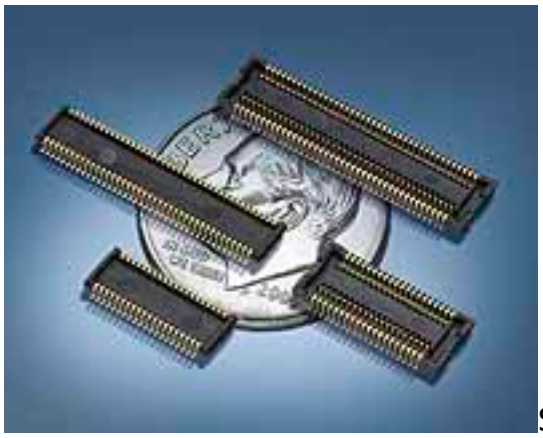
LowProfile SMD Board to FPC Connector with 0.4 mm Pitch Dual Row Contacts



Suitable for use in handheld electronics, Omron Electronic Components RoHS compliant XB4A (plug) and XB4B (socket) series of 0.4 mm (0.016”) pitch SMD board to FPC plug and socket connectors have a stacking height of 0.9 mm (0.035”) and a width of 4.1 mm (0.161”) or 5.0 mm (0.20”), including the solder terminals, when mated. Their high reliability double contact point gold plated contacts are resistant to improper contact alignment and a nickel barrier between the contacts and PCB terminals prevents solder creepage. The twist-resistant design allows for the connectors to be unmated in any direction and are available in 40 pin and 80 pin versions. Technical features include a 0.3A AC/DC at 50V AC/DC contact rating with a very low 60 m? max. (at 20 mV DC max., 100 mA max.) contact resistance. Insulation resistance is 1000 m?(min.) at 250V AC, and the withstand voltage is 250 AC for 1 minute (leakage current: 1mA max.). Insertion force is 1.7N max. per pin with removal force of 0.1N min. per pin, and they can be mated and unmated 50 times. Pricing ranges from $0.30 to $0.50 each in 1,000 piece quantities.

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