



0.5mm and 1.0mm Pitch FFC/FPC Connectors FH12, FH12A, FH12F and FH12S Series — “Flip-Lock” SMT/ZIF Type Flexible Printed Circuit Board Connectors



The FH12 Series of miniature connectors for FPC/FFC use brings form to the newly developed “flip-lock” concept and can be used with Surface Mount Technology (SMT) to eliminate the problems of the contemporary slide-lock system. These connectors have a contact spacing of 0.5mm, are suited to high density mounting, and are based on a single-actuator Zero Insertion Force (ZIF) structure for easy connections. Types with top or bottom contacts, and vertical mounting are available to suit your applications.

Materials/Finish: • Insulation: Polyamide Resin, beige • Actuator: PPS Resin, dark brown (UL94V-0) • Contacts: Phosphor Bronze, gold plating Electrical: • Rated Current: 0.4A • Insulation Resistance: 500MΩ minimum 100VDC • Withstanding Voltage: 150VAC for one minute • Contact Resistance: 50mΩ maximum (Note: When all conductors are to continuously carry the rated current, set the current to 70% of the rated current value.)

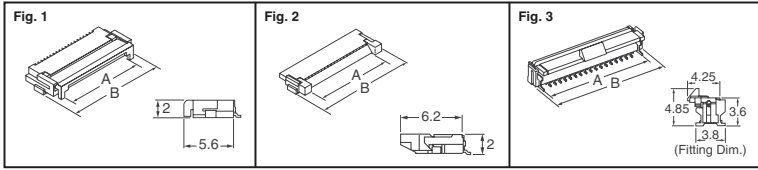


Table with columns: Fig., No. of Pos., Dimensions (mm) A/B, Digi-Key Part No., Cut Tape Price Each (1, 25, 100, 250), Digi-Key Part No., Tape and Reel (Qty., Pricing), Hirose Part No. Rows include various connector types like 0.5mm Horizontal Mount - Bottom Contact Type, 0.5mm Horizontal Mount - Top Contact Type, 0.5mm Vertical Mount, and 1.0mm Vertical Mount.

† Note: The 1.0mm version of FH12 is constructed by loading every other contact into the 0.5mm housing

Digi-Reel Most SMT cutdown parts are available on a Digi-Reel. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key Services on page 2 for additional information.

Free shipping on orders over \$200 CAD! All prices in Canadian dollars and include duty and brokerage fees.

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