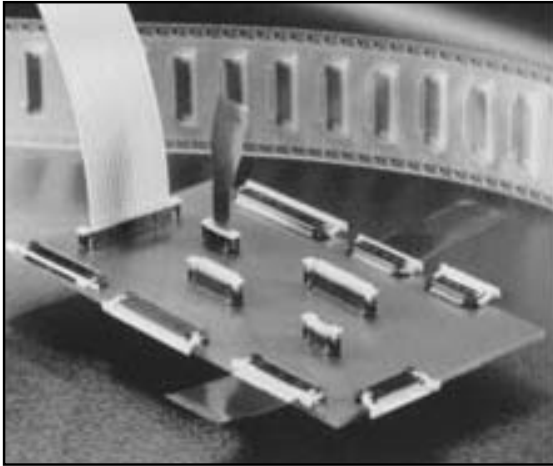


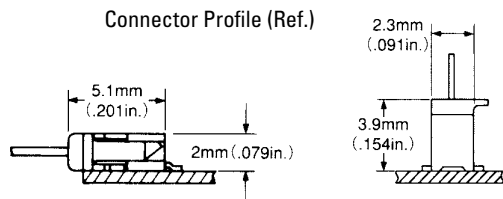
IL-FPR SERIES CONNECTORS

0.5mm pitch FFC/FPC Connector (Top/Bottom Contact)



FEATURES

- Extremely small, 0.5mm (.020") spacing
- SMT type for FPC
- Available in right-angle and straight versions
- A slider enables insertion/extraction of FPC without applying force (Zero Insertion Force)
- One-side contact configuration avoids mismatching of FPC
- Lower-side or upper-side FPC contact surfaces on right-angle version
- Hold down mechanism prevents floating up of the connector during soldering and retains the connector on the board
- Designed to avoid defective mating
- Supplied in embossed tape for automatic SMT mounting



IL-FPR Series SMT connectors meet today's requirements for smaller size and lighter weight. These connectors have extremely high contact density and low profiles: 0.5mm (.020") centers and a 2.0mm (.079") mounted height (right-angle type).

Both straight and right-angle types are available. The ZIF (zero insertion force) configuration permits easy insertion and extraction of the FPC (flexible printed circuit), even in a minimal amount of space. A wide variety of mounting styles are available.

GENERAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Number of Contacts | Right Angle type: 5-14, 16-18, 20-22, 24, 26, 28, 30-38, 40, 45, 50 Straight type: 8-10, 12-14, 16, 18, 20-22, 24-28, 30, 32-34, 36, 40, 45 |
| Contact Spacing | 0.5mm (.020"), single row |
| Current Rating | AC/DC 0.5 Amp per contact |
| Dielectric Withstanding Voltage | 250 VAC r.m.s. (for one minute) |
| Insulation Resistance | 100 megohms min. |
| Contact Resistance | 20 milliohms max. |
| Operating Temperature | -40°C to +85°C |
| Applicable FPC | 0.5mm(.020") spacing 0.3mm ± 0.05mm(.012" ± .002") thickness with reinforcement |
| Voltage Rating | AC/DC 50V |

MATERIALS AND FINISHES*

| Description | Materials/Finishes |
|-----------------|---------------------------------|
| Contact | High Strength Brass /Tin Plated |
| Base Insulator | Glass-filled PPS (Black) |
| Slide Insulator | Glass-filled PPS (White) |
| Hold-down Tab | Copper Alloy /Tin Plated |

ORDERING INFORMATION

| | | | | | | | | |
|---------------------------------------|---------------|----------|----------|-----------|----------|-----------|-----------|--------------|
| | IL-FPR | - | * | ** | S | ** | ** | R**** |
| Series | _____ | | | | | | | |
| Contact Configuration | _____ | | | | | | | |
| Blank – Lower-Side Contact | _____ | | | | | | | |
| U – Upper-Side Contact | _____ | | | | | | | |
| No. of Contacts | _____ | | | | | | | |
| Contact Type | _____ | | | | | | | |
| S – Socket | _____ | | | | | | | |
| Plating | _____ | | | | | | | |
| N1 – Gold reflow tin hold downs | _____ | | | | | | | |
| Termination | _____ | | | | | | | |
| HF – Right Angle | _____ | | | | | | | |
| VF – Straight | _____ | | | | | | | |
| Embossed Tape | _____ | | | | | | | |
| R1500 – 1,500 Straight Pieces/Reel | _____ | | | | | | | |
| R3000 – 3,000 Right Angle Pieces/Reel | _____ | | | | | | | |

• Please consult JAE for verification of product availability.

Dimensions in mm (inches).

