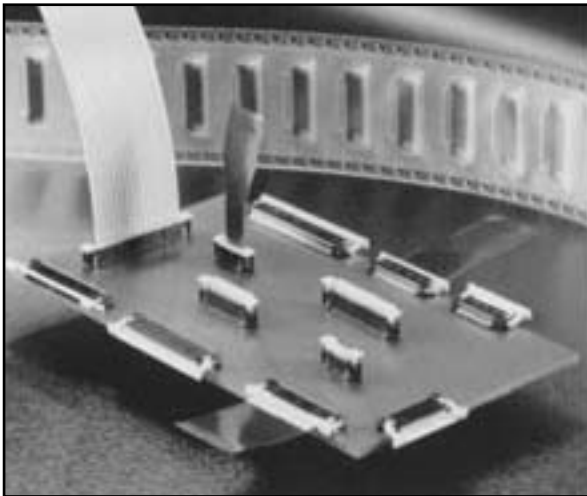


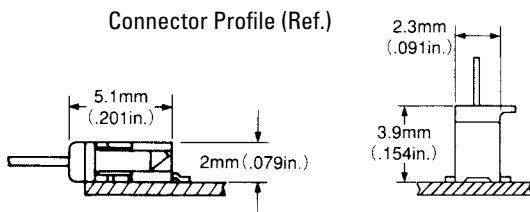
IL-FPR SERIES CONNECTORS

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).