

JAE Surface Mount Board-to-Flex Connectors

RoHS Compliant This product is RoHS compliant.

FF02 SERIES: 0.30MM SMT BOARD-TO-FLEX CONNECTORS

Features:

- Low profile 1.2mm above board
- CAM Locking Structure makes FPC lining unnecessary and helps to absorb shock caused by fall resulting in much higher mating reliability

Specifications:

- FPC type: 0.3mm pitch, 0.12mm thickness with reinforcement
- Current Rating: AC/DC 0.35A per contact
- Dielectric Withstanding Voltage: AC 250 V rms per minute
- Voltage Rating: AC/DC 50V per contact
- RoHS Compliance per JAE documentation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Positions	Description	Price Each			
					1	25	100	250
656-FF0235SS1	FF0235SS1	A	35	Right Angle	5.88	5.32	4.91	4.53
656-FF0239SS1	FF0239SS1-R3000	A	39	Right Angle	4.89	4.70	4.44	4.14
656-FF0251SS1	FF0251SS1	A	51	Right Angle	8.16	7.42	6.79	6.27
656-FF0290SS1	FF0290SS1	A	90	Right Angle	15.70	14.12	10.67	10.43

IL-FPR SERIES: 0.50MM SMT ZIF BOARD-TO-FLEX CONNECTORS

Features:

- Low profile 2.0mm above board (Right-angle type)
- A slider enables insertion/extraction of FPC without applying force (Zero Insertion Force)
- Designed to avoid defective mating
- FPC type: 0.3mm thickness with reinforcement
- Right Angle

Specifications:

- Current Rating: AC/DC 0.5 Amp per contact
- Dielectric Withstanding Voltage: 250 VAC rms (for one minute)
- RoHS Compliance per JAE documentation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Positions	Description	Price Each			
					1	25	100	250
656-IL-FPR-10S-HF-N1	IL-FPR-10S-HF-N1	B	10	Right Angle	2.14	1.97	1.79	1.64
656-IL-FPR-20S-HF-N1	IL-FPR-20S-HF-N1	B	20	Right Angle	3.15	2.39	1.94	1.82
656-IL-FPR-30S-HF-N1	IL-FPR-30S-HF-N1	B	30	Right Angle	3.70	2.46	2.15	2.09
656-IL-FPR-32S-HF-N1	IL-FPR-32S-HF-N1	B	32	Right Angle	2.35	2.31	2.24	2.10
656-IL-FPR-33S-HF-N1	IL-FPR-33S-HF-N1	B	33	Right Angle	3.75	2.62	2.39	2.29
656-IL-FPR-40S-HF-N1	IL-FPR-40S-HF-N1	B	40	Right Angle	4.75	3.20	2.92	2.79
656-L-FPR-50S-HF-N1	IL-FPR-50S-HF-N1	B	50	Right Angle	6.49	5.40	3.78	3.65

FA5 SERIES: 0.50MM SMT FPC BOARD-TO-FLEX CONNECTORS

Features:

- Low profile connector for PCB-to-FPC
- ZIF structure for easy insertion and removal of FPC
- Hold down structure with winding and strain protection
- Connector mounting height 1.45mm(.057"), low profile structure
- Right Angle

Specifications:

- Current Rating: 0.8Amp per contact
- Dielectric Withstanding Voltage: 250VAC rms (for one minute)
- RoHS Compliance per JAE documentation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Positions	Description	Price Each			
					1	25	100	250
656-FA5S030HP1	FA5S030HP1	C	30	SMT, Right Angle	6.51	5.91	5.05	4.97
656-FA5S040HP1	FA5S040HP1	C	40	SMT, Right Angle	7.85	7.13	6.10	6.00
656-FA5S050HP1	FA5S050HP1	C	50	SMT, Right Angle	11.01	10.01	8.06	7.90
656-FA5B040HP1	FA5B040HP1	C	40	Bottom Mount, Right Angle	8.39	7.62	6.52	6.41

FI-R SERIES 0.50MM BOARD-TO-FLEX CONNECTORS

- High speed serial transmission such as LVDS, TMDS (HDMI) and PCI express
- Contact Resistance: 50Ω max.

- Current Rating: AC, DC 0.8A per Terminal
- Insulation Resistance: 100MΩ min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Positions	Description	Price Each			
					1	25	100	250
656-FI-RE41HL	FI-RE41HL	D	41	Cable Mount Plug	6.65	5.28	4.52	4.37
656-FI-RE41S-HF	FI-RE41S-HF	E	41	SMT Receptacle R/A	5.76	3.92	3.46	3.30
656-FI-RE41S-VF	FI-RE41S-VF	F	41	SMT Receptacle Straight	5.95	4.00	3.46	3.27
656-FI-RE51HL	FI-RE51HL	D	51	Cable Mount Plug	6.11	5.56	4.75	4.58
656-FI-RE51S-HF	FI-RE51S-HF	E	51	SMT Receptacle R/A	5.76	4.70	4.02	3.95
656-FI-RE51S-VF	FI-RE51S-VF	F	51	SMT Receptacle Straight	5.19	4.72	4.02	3.91

Contacts

- RoHS Compliance per JAE documentation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Description	Price Each			
			1	25	100	250
656-FI-RC31A1E-15000	FI-RC3-1A-1E-15000	Crimp contacts 30-36 AWG Upper Contact	.15	.13	.12	.11
656-FI-RC31B1E-15000	FI-RC3-1B-1E-15000	Crimp contacts 30-36 AWG Lower Contact	.15	.13	.12	.11

Tool

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Description	Price Each
656-CT150-4C-FI	CT150-4C-FI	Hand Crimp Tool	990.87

FB3, FB6 AND FB8 SERIES 0.30MM SMT BOARD-TO-FLEX CONNECTORS

Specifications:

- Easy handling due to easy rotation of actuator
- Current Rating: 0.35A per contact
- Voltage Rating: AC, DC 50V per contact

- LIF (Low Insertion Force) structure for one-touch FPC
- FB8 features "Backflip" actuator for superior cable retention
- RoHS Compliance per JAE documentation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	25	100	250
656-FB6S039JA1	FB6S039JA1	G	39	1.2mm Height Bottom Contacts	11.05	7.29	6.63	6.40
656-FB6S051JA1	FB6S051JA1	G	51	1.2mm Height Bottom Contacts	4.35	2.84	2.52	2.37
656-FB8S029JA1	FB8S029JA1	H	29	1.2mm Height Upper Contacts	9.87	8.58	6.86	6.22

JF08 SERIES HIGH SPEED FFC HARNESSES

Specifications:

- The JF08 Series is a pre-assembled flat flexible cable (FFC) harness for high speed differential transmission
- Mates with FI-R Receptacles

- Provides great electrical performance while maintaining mechanical durability and reliability.
- Available pin counts include 41 and 51 positions.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Description	Price Each			
				1	10	25	50
656-JF08R0R041020MA	JF08R0R041020MA	I	41P, 20cm High Speed FFC Cable	5.69	5.20	4.95	4.80
656-JF08R0R041025MA	JF08R0R041025MA	I	41P, 25cm High Speed FFC Cable	6.03	5.54	5.25	5.12
656-JF08R0R041035MA	JF08R0R041035MA	I	41P, 35cm High Speed FFC Cable	7.09	6.49	6.18	5.98
656-JF08R0R051020MA	JF08R0R051020MA	I	51P, 20cm High Speed FFC Cable	6.39	5.85	5.56	5.39
656-JF08R0R051025MA	JF08R0R051025MA	I	51P, 25cm High Speed FFC Cable	7.09	6.51	6.17	6.01
656-JF08R0R051035MA	JF08R0R051035MA	I	51P, 35cm High Speed FFC Cable	8.87	8.12	7.73	7.48

