

JAE Wire to Board Connectors

Technology to Inspire Innovation



RoHS Compliant This product is RoHS compliant.

FI-X SERIES 1.0MM PCB BOARD-TO-FLEX CONNECTORS

- Improved ground condition which is directly related to EMI characteristics
- Compatible with high-speed differential transmission and high-level impedance matching (90Ω to 100Ω)
- Current Rating: AC/DC 1 Amp per contact
- Bottom type structure provides 1.5mm (.059") connector height and 1mm (.039") height above the PCB
- RoHS Compliance per JAE documentation



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For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	10	25	50
Plugs								
656-FI-X30H	FI-X30H	A	30	Crimp, Housing	2.63	2.38	1.96	1.89
656-FI-X30M-NPB	FI-X30M-NPB	A	30	ZIF, Cable Side	7.33	6.04	4.98	4.79
656-FI-X30FR	FI-X30FR	A	30	Cable Side	2.12	2.04	2.00	1.77
Receptacles								
656-FI-X30SSL-HF	FI-X30SSL-HF	B	30	Right Angle	12.75	10.78	8.19	8.06
656-FI-XB30SRLHF11	FI-XB30SRLHF11	B	30	Right Angle Sunken	12.44	11.19	8.84	8.69
656-FI-XB30SL-HF10	FI-XB30SL-HF10	B	30	Right Angle with Lock	4.51	4.33	4.08	3.72
Contacts								
656-FI-XC3-1-15000	FI-XC3-1-15000	-	-	Crimp Contacts 30-36 AWG	.12	.11	.10	.09

TOOL

For quantities of 5 and up, call for quote.

656-CT150-4C-FIX	CT150-4C-FIX		Hand Crimp Tool					990.87
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FI-E SERIES 1.0MM PCB TO CABLE CONNECTORS

- Alignment guide allows for blind mating
- Current Rating: AC/DC 1 Amp per contact
- RoHS Compliance per JAE Documentation



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MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	10	25	50
656-FI-E30HL	FI-E30HL	A	30	Crimp, Cable Side Plug	6.28	4.98	4.26	4.03
656-FI-E30S	FI-E30S	B	30	Right Angle Receptacle	7.28	6.62	5.66	5.47

FI SERIES 1.25MM SMT WIRE TO BOARD CONNECTORS

- High density connectors for board to cable connections
- Friction Lock Housing
- FPC Versions Available
- Current Rating: 1 A
- Operating Temperature: -40° to +80°C
- Crimp contacts sold separately
- RoHS Compliance per JAE documentation



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MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	10	25	50
Single Row Surface Mount								
656-FI-S4P-HFE	FI-S4P-HFE	B	4	Right Angle SMT Receptacle	1.71	1.55	1.41	1.32
656-FI-S5P-HFE	FI-S5P-HFE	B	5	Right Angle SMT Receptacle	1.71	1.55	1.41	1.30
656-FI-S10P-HFE	FI-S10P-HFE	B	10	Right Angle SMT Receptacle	2.75	2.29	1.82	1.75
656-FI-S20P-HFE	FI-S20P-HFE	B	20	Right Angle SMT Receptacle	2.89	2.64	2.32	2.24
* 656-FI-SE20-HFE	FI-SE20P-HFE	B	20	Right Angle SMT Receptacle	4.09	3.71	3.27	3.15
* 656-FI-SE30P-HFE	FI-SE30P-HFE	B	30	Right Angle SMT Receptacle	10.10	9.18	8.42	8.15
656-FI-S4S	FI-S4S	A	4	Cable Mount Plug	.60	.55	.50	.47
656-FI-S5S	FI-S5S	A	5	Cable Mount Plug	.77	.71	.65	.61
656-FI-S10S	FI-S10S	A	10	Cable Mount Plug	1.37	.95	.84	.78
656-FI-S20S	FI-S20S	A	20	Cable Mount Plug	1.06	.98	.91	.83
* 656-FI-SE20ME	FI-SE20ME	A	20	Cable Mount Plug	5.86	5.34	4.55	4.52
656-FI-S30S	FI-S30S	A	30	Cable Mount Plug	1.40	1.26	1.16	1.08
Double Row Surface Mount								
* 656-FI-TWE21P-VF	FI-TWE21P-VF-E1400	C	21	Vertical (Shielded) SMT Receptacle	5.85	5.32	4.88	4.50
* 656-FI-WE21P-HFE	FI-WE21P-HFE	D	21	Right Angle SMT Receptacle	9.17	7.23	6.70	6.58
* 656-FI-TWE31PB-VF	FI-TWE31PB-VF	C	31	Vertical SMT Receptacle	12.53	11.38	9.16	8.99
* 656-FI-WE31P-HFE	FI-WE31P-HFE	D	31	Right Angle SMT Receptacle	9.57	8.68	6.99	6.59
656-FI-W31P-HFE	FI-W31P-HFE	D	31	Right Angle SMT Receptacle	5.44	4.95	4.34	4.17
656-FI-W41P-HFE	FI-W41P-HFE	D	41	Right Angle SMT Receptacle	6.45	5.87	5.01	4.97
* 656-FI-WE41P-HFE	FI-WE41P-HFE	D	41	Right Angle SMT Receptacle	11.18	10.16	8.17	7.99
656-FI-W11S	FI-W11S	E	11	Cable Mount Plug	.88	.83	.77	.72
656-FI-W21S	FI-W21S	E	21	Cable Mount Plug	1.24	1.12	1.04	.96
656-FI-W31S	FI-W31S	E	31	Cable Mount Plug	1.40	1.26	1.16	1.08
656-FI-W41S	FI-W41S	E	41	Cable Mount Plug	2.30	1.79	1.42	1.37
Contacts								
656-FI-C3-A1-15000	FI-C3-A1-15000			Crimp Contacts 28-32 AWG	.12	.11	.10	.09

CABLE ASSEMBLY HIGH SPEED DEVELOPMENT KITS FOR LVDS

- High speed LVDS cable assemblies for applications such as LCD Monitors, Projectors, Medical Defibrillators, Hand held GPS and many other applications
- Kit includes 2 of each connector, 300mm discrete wire with Pre-crimped Contacts
- Customer populates the crimped contacts in the housing according to their requirements



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For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	5	10	25
656-FIS20SKITASSY	FI-S20S-KITASSY-300M	A	20	FI-S20S Connectors, 300mm	7.73	7.13	6.63	6.19
656-FIX30HLKITASSY	FI-X30HL-KITASSY-300M	-	30	FI-X30HL Connectors, 300mm	10.62	9.80	9.10	8.49
656-FIRE41HLKITASSY	FI-RE41HL-KITASSY-300M	F	41	FI-RE41HL Connectors, 300mm	14.67	13.54	12.57	11.73
656-FIRE51HLKITASSY	FI-RE51HL-KITASSY-300M	F	51	FI-RE51HL Connectors, 300mm	17.20	15.88	14.74	13.76

JF04 SERIES HIGH SPEED FFC CABLE HARNESS

- Industry first FFC for high speed serial transmission such as LVDS, TMDS (HDMI) and PCI express
- Mates with FI-R Connectors
- Contact Resistance: 40mΩ max.
- Current Rating: AC, DC 0.3A per Terminal
- Insulation Resistance: 100MΩ min.



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MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Pos.	Description	Price Each			
					1	5	10	25
656-JF04R0R041025AA	JF04R0R041025AA	G	41	25cm Length	15.40	13.20	11.00	10.49
656-JF04R0R041035AA	JF04R0R041035AA	G	41	35cm Length	17.02	14.70	12.38	11.80
656-JF04R0R051025AA	JF04R0R051025AA	G	51	25cm Length	17.02	14.70	12.38	11.80
656-JF04R0R051035AA	JF04R0R051035AA	G	51	35cm Length	19.54	16.79	14.03	13.37

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