

# JAE Wire to Board Connectors

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

**NEW** PRODUCT

RoHS Compliant  
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  |
| <b>Plugs</b>       |                 |      |             |                           |            |      |      |      |
| 656-FI-X30H        | FI-X30H         | A    | 30          | Crimp, Housing            | 2.88       | 2.15 | 1.83 | 1.75 |
| 656-FI-X30M-NPB    | FI-X30M-NPB     | A    | 30          | ZIF, Cable Side           | 7.33       | 4.98 | 4.39 | 4.24 |
| 656-FI-X30FR       | FI-X30FR        | A    | 30          | Cable Side                | 2.12       | 2.00 | 1.69 | 1.57 |
| 656-FI-X30HL-B     | FI-X30HL-B      | B    | 30          | Notebook-PC LCD interface | 1.20       | .91  | .77  | .74  |
| <b>Receptacles</b> |                 |      |             |                           |            |      |      |      |
| 656-FI-XB30SRLHF11 | FI-XB30SRL-HF11 | C    | 30          | Right Angle Sunken        | 12.44      | 8.84 | 8.01 | 7.74 |
| 656-FI-XB30SL-HF10 | FI-XB30SL-HF10  | C    | 30          | Right Angle with Lock     | 4.51       | 4.08 | 3.42 | 3.16 |
| <b>Contacts</b>    |                 |      |             |                           |            |      |      |      |
| 656-FI-XC3-1-15000 | FI-XC3-1-15000  | -    | -           | Crimp Contacts 30-36 AWG  | .12        | .10  | .08  | .07  |

### TOOL

RoHS Compliant  
For quantities greater than listed, call for quote.

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

## 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

RoHS Compliant  
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| MOUSER STOCK NO. | JAE Part No. | Fig. | No. of Pos. | Description            | Price Each |      |      |      |
|------------------|--------------|------|-------------|------------------------|------------|------|------|------|
|                  |              |      |             |                        | 1          | 25   | 100  | 250  |
| 656-FI-E30HL     | FI-E30HL     | A    | 30          | Crimp, Cable Side Plug | 6.28       | 4.26 | 3.76 | 3.63 |
| 656-FI-E30S      | FI-E30S      | C    | 30          | Right Angle Receptacle | 7.27       | 5.65 | 4.98 | 4.81 |

## FI SERIES 1.25MM SMT WIRE TO BOARD CONNECTORS

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

RoHS Compliant  
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-FI-S4P-HFE                  | FI-S4P-HFE     | C    | 4           | Right Angle SMT Receptacle | 1.71       | 1.41 | 1.22 | 1.17 |
| 656-FI-S5P-HFE                  | FI-S5P-HFE     | C    | 5           | Right Angle SMT Receptacle | 1.71       | 1.41 | 1.22 | 1.17 |
| 656-FI-S10P-HFE                 | FI-S10P-HFE    | C    | 10          | Right Angle SMT Receptacle | 2.74       | 1.81 | 1.53 | 1.44 |
| 656-FI-S20P-HFE                 | FI-S20P-HFE    | C    | 20          | Right Angle SMT Receptacle | 2.89       | 2.32 | 2.08 | 1.99 |
| * 656-FI-SE20-HFE               | FI-SE20P-HFE   | C    | 20          | Right Angle SMT Receptacle | 4.78       | 3.39 | 3.14 | 2.93 |
| * 656-FI-SE30P-HFE              | FI-SE30P-HFE   | C    | 30          | Right Angle SMT Receptacle | 10.10      | 8.42 | 7.65 | 7.21 |
| 656-FI-S4S                      | FI-S4S         | A    | 4           | Cable Mount Plug           | .60        | .507 | .426 | .395 |
| 656-FI-S5S                      | FI-S5S         | A    | 5           | Cable Mount Plug           | .76        | .647 | .547 | .527 |
| 656-FI-S10S                     | FI-S10S        | A    | 10          | Cable Mount Plug           | 1.37       | .844 | .713 | .673 |
| 656-FI-S20S                     | FI-S20S        | A    | 20          | Cable Mount Plug           | 1.06       | .91  | .78  | .74  |
| * 656-FI-SE20ME                 | FI-SE20ME      | A    | 20          | Cable Mount Plug           | 5.86       | 4.55 | 4.02 | 3.88 |
| 656-FI-S30S                     | FI-S30S        | A    | 30          | Cable Mount Plug           | 1.40       | 1.16 | 1.00 | .945 |
| <b>Double Row Surface Mount</b> |                |      |             |                            |            |      |      |      |
| * 656-FI-WE21P-HFE              | FI-WE21P-HFE   | D    | 21          | Right Angle SMT Receptacle | 9.17       | 6.70 | 6.07 | 5.85 |
| * 656-FI-WE31P-HFE              | FI-WE31P-HFE   | D    | 31          | Right Angle SMT Receptacle | 9.57       | 6.99 | 6.33 | 6.11 |
| 656-FI-W31P-HFE                 | FI-W31P-HFE    | D    | 31          | Right Angle SMT Receptacle | 5.44       | 4.34 | 3.87 | 3.72 |
| 656-FI-W41P-HFE                 | FI-W41P-HFE    | D    | 41          | Right Angle SMT Receptacle | 6.45       | 5.01 | 4.42 | 4.27 |
| * 656-FI-WE41P-HFE              | FI-WE41P-HFE   | D    | 41          | Right Angle SMT Receptacle | 11.18      | 8.17 | 7.40 | 7.15 |
| 656-FI-W11S                     | FI-W11S        | E    | 11          | Cable Mount Plug           | .88        | .773 | .683 | .643 |
| 656-FI-W21S                     | FI-W21S        | E    | 21          | Cable Mount Plug           | 1.23       | 1.03 | .889 | .859 |
| 656-FI-W31S                     | FI-W31S        | E    | 31          | Cable Mount Plug           | 1.40       | 1.16 | 1.00 | .995 |
| 656-FI-W41S                     | FI-W41S        | E    | 41          | Cable Mount Plug           | 2.29       | 1.41 | 1.19 | 1.12 |
| <b>Contacts</b>                 |                |      |             |                            |            |      |      |      |
| 656-FI-C3-A1-15000              | FI-C3-A1-15000 | -    | -           | Crimp Contacts 28-32 AWG   | .12        | .10  | .08  | .07  |

## 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

RoHS Compliant  
For quantities greater than listed, call for quote.

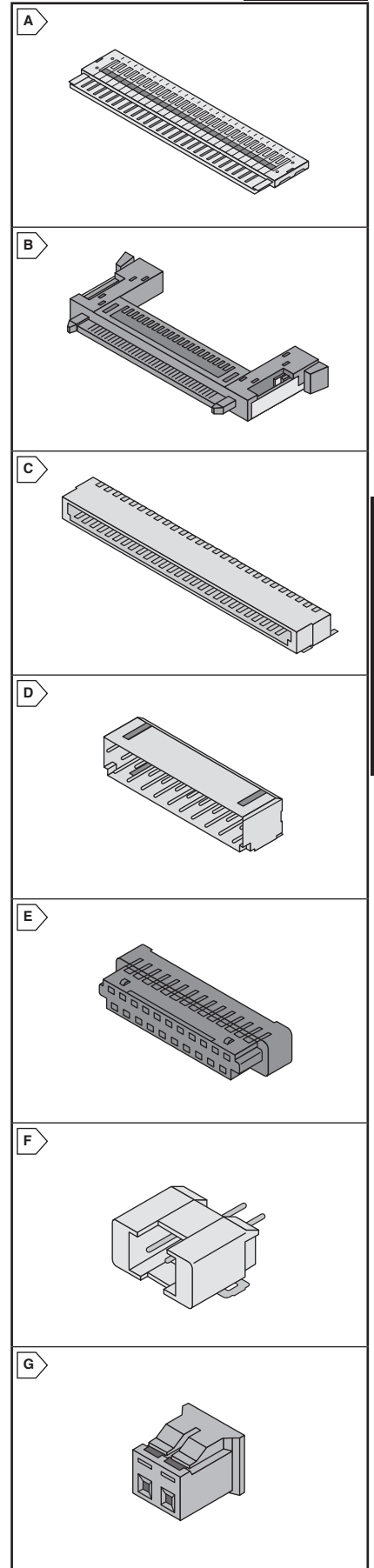
| MOUSER STOCK NO.    | JAE Part No.           | Fig. | No. of Pos. | Description                 | Price Each |       |       |       |
|---------------------|------------------------|------|-------------|-----------------------------|------------|-------|-------|-------|
|                     |                        |      |             |                             | 1          | 25    | 100   | 250   |
| 656-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 | B    | 41          | FI-RE41HL Connectors, 300mm | 14.87      | 13.54 | 12.57 | 11.73 |
| 656-FIRE51HLKITASSY | FI-RE51HL-KITASSY-300M | B    | 51          | FI-RE51HL Connectors, 300mm | 17.20      | 15.88 | 14.74 | 13.76 |

## IL-Z SERIES 1.25MM SMT PCB TO CABLE CRIMP CONNECTORS

- Low Profile, 3.45mm above board
- Pin headers suited for automatic packaging
- Crimp to wire sockets
- Operating Temperature: -40°C to +70°C
- RoHS Compliance per JAE documentation
- Current Rating: 1A
- AWG Range: 28-30
- Crimp contacts sold separately

RoHS Compliant  
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-IL-Z-2PL-SMTYE  | IL-Z-2PL-SMTYE  | F    | 2           | Right Angle SMT Pin Header | .33        | .28  | .24  | .24  |
| 656-IL-Z-5PL-SMTYE  | IL-Z-5PL-SMTYE  | F    | 5           | Right Angle SMT Pin Header | .41        | .35  | .30  | .29  |
| 656-IL-Z-6PL-SMTYE  | IL-Z-6PL-SMTYE  | F    | 6           | Right Angle SMT Pin Header | .41        | .36  | .32  | .29  |
| 656-IL-Z-7PL-SMTYE  | IL-Z-7PL-SMTYE  | F    | 7           | Right Angle SMT Pin Header | .46        | .38  | .33  | .32  |
| 656-IL-Z-8PL-SMTYE  | IL-Z-8PL-SMTYE  | F    | 8           | Right Angle SMT Pin Header | .47        | .402 | .331 | .311 |
| 656-IL-Z-9PL-SMTYE  | IL-Z-9PL-SMTYE  | F    | 9           | Right Angle SMT Pin Header | .47        | .402 | .331 | .311 |
| 656-IL-Z-12PL-SMTYE | IL-Z-12PL-SMTYE | F    | 12          | Right Angle SMT Pin Header | .53        | .454 | .383 | .363 |
| 656-IL-Z-15PL-SMTYE | IL-Z-15PL-SMTYE | F    | 15          | Right Angle SMT Pin Header | .56        | .516 | .446 | .405 |
| 656-IL-Z-2S-S125C3  | IL-Z-2S-S125C3  | G    | 2           | Socket Housing             | .11        | .094 | .073 | .063 |
| 656-IL-Z-5S-S125C3  | IL-Z-5S-S125C3  | G    | 5           | Socket Housing             | .11        | .094 | .073 | .063 |
| 656-IL-Z-6S-S125C3  | IL-Z-6S-S125C3  | G    | 6           | Socket Housing             | .11        | .094 | .073 | .063 |
| 656-IL-Z-7S-S125C3  | IL-Z-7S-S125C3  | G    | 7           | Socket Housing             | .15        | .126 | .105 | .094 |
| 656-IL-Z-8S-S125C3  | IL-Z-8S-S125C3  | G    | 8           | Socket Housing             | .14        | .121 | .099 | .088 |
| 656-IL-Z-9S-S125C3  | IL-Z-9S-S125C3  | G    | 9           | Socket Housing             | .13        | .115 | .094 | .084 |
| 656-IL-Z-10S-S125C3 | IL-Z-10S-S125C3 | G    | 10          | Socket Housing             | .15        | .126 | .105 | .094 |
| 656-IL-Z-12S-S125C3 | IL-Z-12S-S125C3 | G    | 12          | Socket Housing             | .16        | .147 | .115 | .105 |
| 656-IL-Z-15S-S125C3 | IL-Z-15S-S125C3 | G    | 15          | Socket Housing             | .19        | .178 | .157 | .147 |
| <b>Contacts</b>     |                 |      |             |                            |            |      |      |      |
| 656-IL-Z-C3-A-15000 | IL-Z-C3-A-15000 | -    | -           | Crimp Contacts 28-30 AWG   | .09        | .07  | .05  | .04  |



Rectangular Connectors JAE