

# MOLEX FFC / FPC 1.00mm Connectors

## 1.00MM (.039") PITCH FFC/FPC CONNECTORS

For 0.30mm thick FFC/FPC. Metal solder tabs provide PCB hold-down and strain relief for SMT tails. ZIF: Zero Insertion Force.

### Right Angle, SMT, ZIF - Top Contact Style

#### Specifications:

- Voltage: 125V
- Current: 1.0A
- Dielectric Withstanding Voltage: 500V AC/1 min.

- Housing: 4/6 Nylon, UL 94V-0
- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze

- Plating: Tin
- Solder Tabs: Copper Alloy, Tin plating
- Operating Temperature: -20 to +85°C



RoHS Compliant

For quantities of 500 or more, call for quote.

| MOUSER STOCK NO. | Molex Part No. | Fig. | No. of Circuits | Dimensions: mm (In.) |              | Carrier Tape Width | Price Each |      |      |      |
|------------------|----------------|------|-----------------|----------------------|--------------|--------------------|------------|------|------|------|
|                  |                |      |                 | A                    | B            |                    | 1          | 10   | 100  | 250  |
| 538-52207-0885   | 52207-0885     | A    | 8               | 14.30 (.562)         | 7.00 (.275)  | 24.00 (.945)       | .89        | .78  | .70  | .68  |
| 538-52207-1085   | 52207-1085     | A    | 10              | 16.30 (.641)         | 9.00 (.354)  | 24.00 (.945)       | 1.04       | .91  | .81  | .78  |
| 538-52207-1285   | 52207-1285     | A    | 12              | 18.30 (.720)         | 11.00 (.433) | 32.00 (1.260)      | 1.20       | 1.03 | .96  | .90  |
| 538-52207-1485   | 52207-1485     | A    | 14              | 20.30 (.799)         | 13.00 (.511) | 32.00 (1.260)      | 1.29       | 1.11 | 1.05 | 1.01 |
| 538-52207-1885   | 52207-1885     | A    | 18              | 24.30 (.956)         | 17.00 (.669) | 44.00 (1.732)      | 1.56       | 1.34 | 1.19 | 1.15 |
| 538-52207-2085   | 52207-2085     | A    | 20              | 26.30 (1.035)        | 19.00 (.748) | 44.00 (1.732)      | 1.68       | 1.44 | 1.36 | 1.27 |

### Right Angle, SMT, ZIF - Bottom Contact Style

#### Specifications:

- Voltage: 50V
- Current: 0.5A
- Dielectric Withstanding Voltage: 500V AC/1 min.

- Housing: 4/6 Nylon, UL 94V-0
- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze

- Plating: Tin
- Solder Tabs: Copper Alloy, Tin plating
- Operating Temperature: -20 to +85°C



RoHS Compliant

For quantities of 500 or more, call for quote.

| MOUSER STOCK NO. | Molex Part No. | Fig. | No. of Circuits | Dimensions: mm (In.) |               | Carrier Tape Width | Price Each |      |      |      |
|------------------|----------------|------|-----------------|----------------------|---------------|--------------------|------------|------|------|------|
|                  |                |      |                 | A                    | B             |                    | 1          | 10   | 100  | 250  |
| 538-52271-0679   | 52271-0679     | B    | 6               | 11.00 (.433)         | 5.00 (.197)   | 24.00 (.945)       | .64        | .55  | .51  | .48  |
| 538-52271-0879   | 52271-0879     | B    | 8               | 13.00 (.511)         | 7.00 (.275)   | 24.00 (.945)       | .73        | .67  | .63  | .60  |
| 538-52271-1079   | 52271-1079     | B    | 10              | 15.00 (.590)         | 9.00 (.354)   | 24.00 (.945)       | .85        | .71  | .62  | .60  |
| 538-52271-1479   | 52271-1479     | B    | 14              | 19.00 (.748)         | 13.00 (.511)  | 32.00 (1.260)      | 1.01       | .84  | .77  | .73  |
| 538-52271-1879   | 52271-1879     | B    | 18              | 23.00 (.905)         | 17.00 (.669)  | 44.00 (1.732)      | 1.16       | 1.04 | .93  | .84  |
| 538-52271-2079   | 52271-2079     | B    | 20              | 25.00 (.984)         | 19.00 (.748)  | 44.00 (1.732)      | 1.22       | 1.02 | .88  | .85  |
| 538-52271-2279   | 52271-2279     | B    | 22              | 27.00 (1.062)        | 21.00 (.827)  | 44.00 (1.732)      | 1.34       | 1.12 | .97  | .92  |
| 538-52271-2479   | 52271-2479     | B    | 24              | 29.00 (1.141)        | 23.00 (.906)  | 44.00 (1.732)      | 1.40       | 1.17 | 1.03 | .97  |
| 538-52271-2879   | 52271-2879     | B    | 28              | 33.00 (1.299)        | 27.00 (1.060) | 56.00 (2.205)      | 2.19       | 1.85 | 1.62 | 1.57 |
| 538-52271-3079   | 52271-3079     | B    | 30              | 35.00 (1.377)        | 29.00 (1.140) | 56.00 (2.205)      | 1.59       | 1.32 | 1.14 | 1.11 |

### Vertical, SMT, ZIF

#### Specifications:

- Voltage: 125V
- Current: 1.0A
- Plating: Tin
- Dielectric Withstanding Voltage: 500V AC/1 min.
- Housing: 4/6 Nylon, UL 94V-0
- Operating Temperature: -20 to +85°C

- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze



RoHS Compliant

For quantities of 500 or more, call for quote.

| MOUSER STOCK NO. | Molex Part No. | Fig. | No. of Circuits | Dimensions: mm (In.) |               |               | Carrier Tape Width | Price Each |      |      |      |
|------------------|----------------|------|-----------------|----------------------|---------------|---------------|--------------------|------------|------|------|------|
|                  |                |      |                 | A                    | B             | C             |                    | 1          | 10   | 100  | 250  |
| 538-52610-0671   | 52610-0671     | C    | 6               | 12.60 (.496)         | 5.00 (.197)   | 10.85 (.427)  | 24.00 (.945)       | 1.24       | 1.07 | .98  | .94  |
| 538-52610-0871   | 52610-0871     | C    | 8               | 14.60 (.575)         | 7.00 (.275)   | 12.85 (.506)  | 24.00 (.945)       | 1.42       | 1.22 | 1.09 | 1.04 |
| 538-52610-1271   | 52610-1271     | C    | 12              | 18.60 (.732)         | 11.00 (.433)  | 16.85 (.663)  | 32.00 (1.260)      | 1.79       | 1.53 | 1.45 | 1.37 |
| 538-52610-1471   | 52610-1471     | C    | 14              | 20.60 (.811)         | 13.00 (.511)  | 18.85 (.742)  | 32.00 (1.260)      | 2.61       | 2.21 | 1.95 | 1.79 |
| 538-52610-1671   | 52610-1671     | C    | 16              | 22.60 (.890)         | 15.00 (.591)  | 20.85 (.821)  | 44.00 (1.732)      | 2.73       | 2.48 | 2.25 | 2.05 |
| 538-52610-1871   | 52610-1871     | C    | 18              | 24.60 (.969)         | 17.00 (.669)  | 22.85 (.900)  | 44.00 (1.732)      | 2.91       | 2.47 | 2.17 | 1.99 |
| 538-52610-2071   | 52610-2071     | C    | 20              | 26.60 (1.047)        | 19.00 (.748)  | 24.85 (.978)  | 44.00 (1.732)      | 2.92       | 2.48 | 2.18 | 2.00 |
| 538-52610-3071   | 52610-3071     | C    | 30              | 36.60 (1.441)        | 29.00 (1.140) | 34.85 (1.372) | 56.00 (2.205)      | 3.25       | 2.96 | 2.49 | 2.32 |

## PREMO-FLEX™ FLAT FLEX CABLE JUMPERS FOR 1.00MM (.039") CONNECTORS

These jumpers are used to connect 2 PC boards and terminate to either ZIF or Non-ZIF FFC Connectors. Mates with any 1.00mm (.039") Pitch FFC/FPC Connector. They are available with the contacting area on the same side (Type A) or the opposite side (Type D) to mirror signal layout between PC boards.

#### Specifications:

- Voltage: 30V
- Current: 1.2A
- Cable width: (No. of circuits + 1) x 1.00mm
- Exposed conductor length: 4mm with 8mm reinforcement
- Temperature: -40 to +80°C
- Conductor width: 0.70mm (.028")
- Conductor thickness: 0.10mm (.004")

For quantities of 500 or more, call for quote.

| MOUSER STOCK NO. | Molex Part No. | Fig. | No. of Circuits | Type | Length (In.) | Price Each |      |      |      |
|------------------|----------------|------|-----------------|------|--------------|------------|------|------|------|
|                  |                |      |                 |      |              | 1          | 10   | 100  | 250  |
| 538-21039-0732   | 21039-0732     | D    | 5               | D    | 6"           | 1.59       | 1.36 | 1.21 | 1.12 |
| 538-21039-0205   | 21039-0205     | D    | 6               | A    | 3"           | 1.82       | 1.52 | 1.32 | 1.20 |
| 538-21039-0211   | 21039-0211     | D    | 6               | A    | 6"           | 1.69       | 1.40 | 1.22 | 1.10 |
| 538-21039-0215   | 21039-0215     | D    | 6               | A    | 8"           | 1.87       | 1.56 | 1.35 | 1.23 |
| 538-21039-0221   | 21039-0221     | D    | 6               | A    | 12"          | 2.73       | 2.46 | 2.22 | 1.99 |
| 538-21039-0227   | 21039-0227     | D    | 8               | A    | 3"           | 2.08       | 1.74 | 1.50 | 1.36 |
| 538-21039-0230   | 21039-0230     | D    | 8               | D    | 4"           | 1.52       | 1.26 | 1.09 | .99  |
| 538-21039-0233   | 21039-0233     | D    | 8               | A    | 6"           | 2.42       | 2.18 | 1.96 | 1.76 |
| 538-21039-0238   | 21039-0238     | D    | 8               | D    | 8"           | 1.91       | 1.63 | 1.44 | 1.33 |
| 538-21039-0243   | 21039-0243     | D    | 8               | A    | 12"          | 2.60       | 2.36 | 2.15 | 1.96 |
| 538-21039-0247   | 21039-0247     | D    | 10              | A    | 2"           | 2.00       | 1.82 | 1.66 | 1.52 |
| 538-21039-0249   | 21039-0249     | D    | 10              | A    | 3"           | 1.78       | 1.52 | 1.35 | 1.25 |
| 538-21039-0252   | 21039-0252     | D    | 10              | D    | 4"           | 1.82       | 1.55 | 1.37 | 1.27 |
| 538-21039-0255   | 21039-0255     | D    | 10              | A    | 6"           | 1.79       | 1.53 | 1.35 | 1.25 |
| 538-21039-0257   | 21039-0257     | D    | 10              | A    | 7"           | 2.02       | 1.72 | 1.52 | 1.41 |
| 538-21039-0263   | 21039-0263     | D    | 10              | A    | 10"          | 2.17       | 1.85 | 1.63 | 1.50 |
| 538-21039-0265   | 21039-0265     | D    | 10              | A    | 12"          | 2.27       | 1.93 | 1.70 | 1.57 |
| 538-21039-0271   | 21039-0271     | D    | 12              | A    | 3"           | 1.85       | 1.58 | 1.40 | 1.29 |
| 538-21039-0277   | 21039-0277     | D    | 12              | A    | 6"           | 1.81       | 1.55 | 1.37 | 1.27 |
| 538-21039-0287   | 21039-0287     | D    | 12              | A    | 12"          | 2.40       | 2.03 | 1.79 | 1.65 |
| 538-21039-0293   | 21039-0293     | D    | 14              | A    | 3"           | 1.91       | 1.63 | 1.44 | 1.33 |
| 538-21039-0294   | 21039-0294     | D    | 14              | D    | 3"           | 2.71       | 2.46 | 2.13 | 1.88 |
| 538-21039-0297   | 21039-0297     | D    | 14              | A    | 5"           | 2.00       | 1.71 | 1.51 | 1.39 |
| 538-21039-0299   | 21039-0299     | D    | 14              | A    | 6"           | 3.34       | 2.82 | 2.21 | 1.87 |

For quantities of 500 or more, call for quote.

| MOUSER STOCK NO. | Molex Part No. | Fig. | No. of Circuits | Type | Length (In.) | Price Each |      |      |      |
|------------------|----------------|------|-----------------|------|--------------|------------|------|------|------|
|                  |                |      |                 |      |              | 1          | 10   | 100  | 250  |
| 538-21039-0305   | 21039-0305     | D    | 14              | A    | 9"           | 2.49       | 2.11 | 1.86 | 1.71 |
| 538-21039-0309   | 21039-0309     | D    | 14              | A    | 12"          | 2.58       | 2.19 | 1.92 | 1.77 |
| 538-21039-0842   | 21039-0842     | D    | 15              | D    | 6"           | 2.45       | 2.24 | 2.05 | 1.86 |
| 538-21039-0313   | 21039-0313     | D    | 16              | A    | 2"           | 2.54       | 2.31 | 2.10 | 1.92 |
| 538-21039-0315   | 21039-0315     | D    | 16              | A    | 3"           | 2.02       | 1.74 | 1.60 | 1.46 |
| 538-21039-0321   | 21039-0321     | D    | 16              | A    | 6"           | 2.09       | 1.78 | 1.57 | 1.45 |
| 538-21039-0335   | 21039-0335     | D    | 18              | A    | 2"           | 2.21       | 2.00 | 1.83 | 1.71 |
| 538-21039-0343   | 21039-0343     | D    | 18              | A    | 6"           | 2.22       | 1.89 | 1.67 | 1.54 |
| 538-21039-0347   | 21039-0347     | D    | 18              | A    | 8"           | 2.57       | 2.33 | 2.12 | 1.97 |
| 538-21039-0365   | 21039-0365     | D    | 20              | A    | 6"           | 3.14       | 2.85 | 2.59 | 2.35 |
| 538-21039-0366   | 21039-0366     | D    | 20              | D    | 6"           | 2.49       | 2.11 | 1.86 | 1.71 |
| 538-21039-0372   | 21039-0372     | D    | 20              | D    | 9"           | 3.10       | 2.62 | 2.30 | 2.11 |
| 538-21039-0375   | 21039-0375     | D    | 20              | A    | 12"          | 3.22       | 2.72 | 2.39 | 2.19 |
| 538-21039-0382   | 21039-0382     | D    | 22              | D    | 3"           | 2.24       | 1.91 | 1.68 | 1.55 |
| 538-21039-0406   | 21039-0406     | D    | 24              | D    | 4"           | 2.45       | 2.08 | 1.83 | 1.69 |
| 538-21039-0417   | 21039-0417     | D    | 24              | A    | 10"          | 3.52       | 2.97 | 2.60 | 2.38 |
| 538-21039-0447   | 21039-0447     | D    | 28              | A    | 3"           | 2.67       | 2.26 | 1.99 | 1.83 |
| 538-21039-0453   | 21039-0453     | D    | 28              | A    | 6"           | 3.40       | 3.08 | 2.79 | 2.54 |
| 538-21039-0469   | 21039-0469     | D    | 30              | A    | 3"           | 2.35       | 2.00 | 1.76 | 1.62 |
| 538-21039-0475   | 21039-0475     | D    | 30              | A    | 6"           | 2.92       | 2.64 | 2.40 | 2.18 |
| 538-21039-0476   | 21039-0476     | D    | 30              | D    | 6"           | 2.85       | 2.41 | 2.12 | 1.95 |
| 538-21039-0485   | 21039-0485     | D    | 30              | A    | 12"          | 3.83       | 3.23 | 2.83 | 2.59 |
| 538-21039-1062   | 21039-1062     | D    | 35              | D    | 6"           | 3.07       | 2.60 | 2.28 | 2.10 |
| 538-21039-0586   | 21039-0586     | D    | 40              | D    | 6"           | 4.04       | 3.40 | 2.98 | 2.73 |

