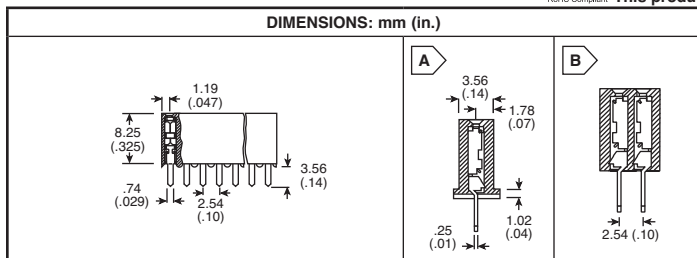


FCI .100" Connectors and Shunts

RoHS Compliant This product is RoHS compliant.



.100" VERTICAL PCB MOUNTED RECEPTACLE ASSEMBLIES, THRU-MOUNT

Features:

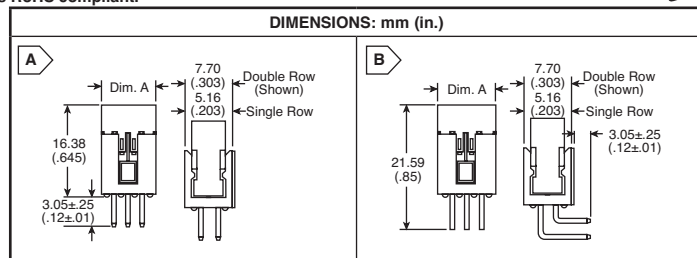
- Designed for parallel board-to-board stacking on .100" x .100" (2.54mm x 2.54mm) centerlines
- Dual metal PV brass contacts duplex plated with 30µ" gold in contact area, 100µ" tin in solder area, and 50µ" nickel underplated overall
- Beryllium copper thermoplastic polyester housings, rated UL94V-0
- Spring member plated with gold flash
- Mate with .025" (0.64mm) square or round pins
- Tail Material: Tin
- RoHS compliant per FCI documentation
- Thru mount



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | FCI Part No. | Fig. | No. of Pos. | Length mm (In.) | Price Each | | | |
|---|--------------|------|-------------|-----------------|------------|------|------|------|
| | | | | | 1 | 25 | 100 | 250 |
| Single Row .140" (3.56mm) Long Solder Tail | | | | | | | | |
| 649-66951-003LF | 66951-003LF | A | 3 | 7.62 (.300) | .94 | .81 | .731 | .709 |
| 649-66951-004LF | 66951-004LF | A | 4 | 10.16 (.400) | 1.40 | 1.04 | .931 | .914 |
| 649-66951-006LF | 66951-006LF | A | 6 | 15.24 (.600) | 1.68 | 1.44 | 1.29 | 1.24 |
| 649-66951-007LF | 66951-007LF | A | 7 | 17.78 (.700) | 1.46 | 1.07 | .965 | .948 |
| 649-66951-008LF | 66951-008LF | A | 8 | 20.32 (.800) | 1.68 | 1.45 | 1.29 | 1.23 |
| 649-66951-009LF | 66951-009LF | A | 9 | 22.86 (.900) | 3.68 | 3.21 | 2.81 | 2.73 |
| 649-66951-010LF | 66951-010LF | A | 10 | 22.86 (1.00) | 1.49 | 1.29 | 1.09 | 1.06 |
| 649-66951-012LF | 66951-012LF | A | 12 | 30.48 (1.20) | 3.13 | 2.70 | 2.41 | 2.27 |
| 649-66951-013LF | 66951-013LF | A | 13 | 33.02 (1.30) | 2.48 | 1.82 | 1.64 | 1.61 |
| 649-66951-014LF | 66951-014LF | A | 14 | 35.56 (1.40) | 2.71 | 2.34 | 2.02 | 1.93 |
| 649-66951-016LF | 66951-016LF | A | 16 | 40.64 (1.60) | 3.40 | 2.71 | 2.48 | 2.40 |
| 649-66951-018LF | 66951-018LF | A | 18 | 45.72 (1.70) | 3.35 | 2.70 | 2.42 | 2.31 |
| 649-66951-032LF | 66951-032LF | A | 32 | 81.28 (3.20) | 6.68 | 4.91 | 4.43 | 4.34 |
| 649-66951-035LF | 66951-035LF | A | 35 | 88.90 (3.50) | 4.14 | 3.05 | 2.74 | 2.69 |
| 649-66951-036LF | 66951-036LF | A | 36 | 91.44 (3.60) | 7.61 | 5.60 | 5.04 | 4.94 |
| Double Row .140" (3.56mm) Long Solder Tail | | | | | | | | |
| 649-66953-003LF | 66953-003LF | B | 6 | 7.62 (.300) | 1.23 | .89 | .816 | .799 |
| 649-66953-004LF | 66953-004LF | B | 8 | 10.16 (.400) | 3.23 | 2.80 | 2.49 | 2.41 |
| 649-66953-005LF | 66953-005LF | B | 10 | 12.7 (.500) | 2.05 | 1.76 | 1.58 | 1.50 |
| 649-66953-006LF | 66953-006LF | B | 12 | 15.24 (.600) | 3.21 | 2.76 | 2.43 | 2.33 |
| 649-66953-007LF | 66953-007LF | B | 14 | 17.78 (.700) | 2.84 | 2.40 | 2.08 | 2.00 |
| 649-66953-008LF | 66953-008LF | B | 16 | 20.32 (.800) | 2.04 | 1.68 | 1.44 | 1.41 |
| 649-66953-010LF | 66953-010LF | B | 20 | 25.4 (1.00) | 3.05 | 2.50 | 2.23 | 2.15 |
| 649-66953-012LF | 66953-012LF | B | 24 | 30.48 (1.20) | 4.29 | 3.51 | 3.12 | 2.97 |
| 649-66953-013LF | 66953-013LF | B | 26 | 33.02 (1.30) | 4.52 | 3.49 | 3.16 | 3.06 |
| 649-66953-015LF | 66953-015LF | B | 30 | 38.1 (1.50) | 4.23 | 3.26 | 3.07 | 2.93 |
| 649-66953-016LF | 66953-016LF | B | 32 | 40.64 (1.60) | 4.41 | 3.81 | 3.01 | 2.93 |
| 649-66953-017LF | 66953-017LF | B | 34 | 43.18 (1.70) | 5.55 | 4.29 | 3.79 | 3.72 |
| 649-66953-020LF | 66953-020LF | B | 40 | 50.8 (2.00) | 6.47 | 5.01 | 4.41 | 4.30 |
| 649-66953-025LF | 66953-025LF | B | 50 | 63.5 (2.50) | 6.32 | 4.59 | 4.31 | 4.16 |
| 649-66953-030LF | 66953-030LF | B | 60 | 76.2 (3.00) | 5.71 | 4.41 | 3.89 | 3.76 |

FCI Rectangular Connectors



VERTICAL LATCHING SYSTEM (2.54MM X 2.54MM / .100" X .100") CENTERLINES

Features:

- Mates to Mini-PV™ receptacles and drawn-wire pins for high reliability
- Single and double row configurations occupy minimal real estate
- RoHS compliant per FCI documentation
- Passive latching
- 0.025" (0.64mm) square pins

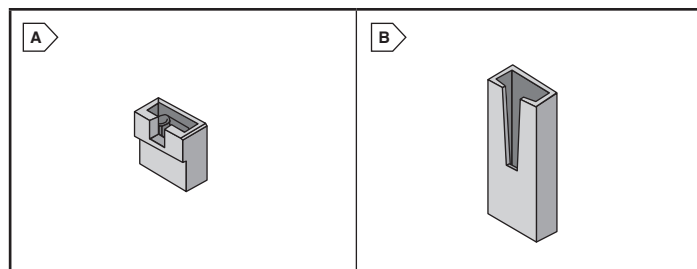
Specifications:

- Material: PCT (UL94V-0)
- Plating: 0.76µm (30µ") gold over 1.27µm (50µ") nickel
- Color: Black



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | FCI Part No. | Fig. | No. of Pos. | Dimension A mm (in.) | Price Each | | | |
|------------------------------------|--------------|------|-------------|----------------------|------------|------|------|------|
| | | | | | 1 | 25 | 100 | 250 |
| Straight Header: Single Row | | | | | | | | |
| 649-69167-103HLF | 69167-103HLF | A | 3 | 7.62 (0.30) | .57 | .48 | .441 | .426 |
| 649-69167-104HLF | 69167-104HLF | A | 4 | 10.16 (0.40) | .61 | .53 | .479 | .465 |
| 649-69167-105HLF | 69167-105HLF | A | 5 | 12.70 (0.50) | .69 | .60 | .494 | .483 |
| 649-69167-106HLF | 69167-106HLF | A | 6 | 15.24 (0.60) | .77 | .63 | .548 | .532 |
| 649-69167-108HLF | 69167-108HLF | A | 8 | 20.32 (0.80) | 1.01 | .82 | .709 | .687 |
| Straight Header: Double Row | | | | | | | | |
| 649-69168-110HLF | 69168-110HLF | A | 10 | 12.70 (0.50) | 1.21 | 1.11 | 1.02 | .96 |
| 649-69168-112HLF | 69168-112HLF | A | 12 | 15.24 (0.60) | 1.08 | .93 | .839 | .812 |
| Right Angle: Single Row | | | | | | | | |
| 649-78208-103HLF | 78208-103HLF | B | 3 | 7.62 (0.30) | .38 | .31 | .279 | .268 |
| 649-78208-104HLF | 78208-104HLF | B | 4 | 10.16 (0.40) | .52 | .47 | .43 | .411 |
| 649-78208-105HLF | 78208-105HLF | B | 5 | 12.70 (0.50) | .65 | .60 | .553 | .524 |
| 649-78208-106HLF | 78208-106HLF | B | 6 | 15.24 (0.60) | .76 | .69 | .631 | .599 |
| Right Angle: Double Row | | | | | | | | |
| 649-78207-108HLF | 78207-108HLF | B | 8 | 10.16 (0.40) | 1.03 | .89 | .805 | .776 |
| 649-78207-110HLF | 78207-110HLF | B | 10 | 12.70 (0.50) | .84 | .80 | .756 | .639 |
| 649-78207-112HLF | 78207-112HLF | B | 12 | 15.24 (0.60) | 1.39 | .99 | .868 | .828 |
| 649-78207-116HLF | 78207-116HLF | B | 16 | 20.32 (0.80) | 1.45 | 1.33 | 1.20 | 1.18 |



LOW-PROFILE SHUNT JUMPER SYSTEM

Features:

- Economical, stackable jumper systems are applicable for bussing, programming and switch replacement
- Standard two-position for .100" centers
- Low-profile shunt stands .200" above PC board
- Dual-beam, phosphor-bronze contacts, and black glass-filled thermoplastic polyester housing, rated UL94V-0
- Shunts mate with .025" (0.64mm) square and round pins
- RoHS compliant per FCI documentation

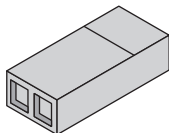
For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | FCI Part No. | Fig. | Plating | Price Each | | | |
|--------------------|--------------|------|----------------|------------|------|------|------|
| | | | | 1 | 100 | 500 | 1000 |
| Low Profile | | | | | | | |
| 649-68786-102LF | 68786-102LF | A | 15µ" gold | .21 | .133 | .104 | .091 |
| 649-68786-202LF | 68786-202LF | A | 30µ" gold | .18 | .129 | .10 | .086 |
| 649-68786-302LF | 68786-302LF | A | 100µ" pure tin | .17 | .12 | .093 | .08 |
| High Body | | | | | | | |
| 649-71363-102LF | 71363-102LF | B | 15µ" gold | .15 | .107 | .097 | .075 |
| 649-71363-202LF | 71363-202LF | B | 30µ" gold | .15 | .14 | .115 | .102 |
| 649-71363-302LF | 71363-302LF | B | 100µ" pure tin | .22 | .14 | .115 | .091 |

SYSTEM MINI JUMP SHUNTS

Features:

- 1 Row, 2 Positions
- Reliable cost-effective alternatives to switches for on-board programming
- PV contacts have beryllium-copper springs to provide high retention and normal forces for excellent electrical performance after repeated cycle
- Stackable on 2.54mm (0.100") centers
- Closed top protects fingertips during application, but can be opened for inspection and testing
- Mates with .025" (0.64mm) square or round pins



Specifications:

- Housing: Thermoplastic polyester UL94V-0, Blue
- Contact: Body Material: Brass Spring Material: Beryllium-copper
- Current rating: 3A max. per contact
- Temperature rating: -55°C to +120°C
- RoHS compliant per FCI documentation



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | FCI Part No. | Plating | Color | Price Each | | | |
|------------------|--------------|-----------|-------|------------|------|------|------|
| | | | | 1 | 100 | 500 | 1000 |
| 649-65474-001LF | 65474-001LF | 15µ" Au | White | .33 | .269 | .226 | .215 |
| 649-65474-002LF | 65474-002LF | 100µ" tin | White | .17 | .129 | .103 | .08 |
| 649-65474-010LF | 65474-010LF | 30µ" Au | White | .23 | .215 | .172 | .161 |
| 649-65474-004LF | 65474-004LF | Au flash | White | .38 | .355 | .333 | .301 |
| 649-63429-202LF | 63429-202LF | 30µ" Au | Blue | .15 | .097 | .075 | .054 |