

WIRE-TO-BOARD (WTB) APPLICATIONS

INSULATION DISPLACEMENT (IDC)



UL STANDARD 26-28 AWG
00-9175
Application: Discrete Wire
of Positions: 2 & 3
Current Rating: 1A/Contact
Voltage Rating: 150 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL PTH 12-18 AWG
00-9177
Application: Discrete Wire
of Positions: 1
Current Rating: 15A
Voltage Rating: 600 VAC
Operating Temp: -40°C to +125°C
Certifications: N/A



UL CAPPED 26-28 AWG
9175-700
Application: Discrete Wire
of Positions: 2 & 3
Current Rating: 1A/Contact
Voltage Rating: 150 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL STANDARD 14-20 AWG
00-9177
Application: Discrete Wire
of Positions: 1, 2, 3
Current Rating: 15A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +120°C
Certifications: UL 1059



UL STANDARD 18-24 AWG
00-9176
Application: Discrete Wire
of Positions: 1, 2, 3
Current Rating: 10A/Contact
Voltage Rating: 1p: 600 VAC,
2p/3p: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



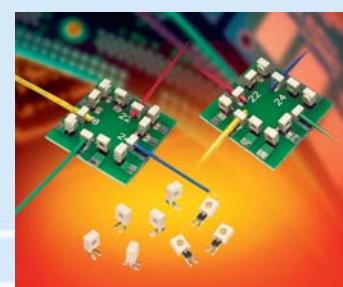
UL S SINGLE IDC CONTACT
22-28 AWG
9176-400
Application: Discrete Wire
of Positions: 1
Current Rating: 6A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL SINGLE TINE PTH
18-24 AWG
9176-600
Application: Discrete Wire
of Positions: 1
Current Rating: Up to 9A/Contact
Voltage Rating: 600 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL S SINGLE IDC CONTACT
18-24 AWG
9176-500
Application: Discrete Wire
of Positions: 1
Current Rating: 10A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



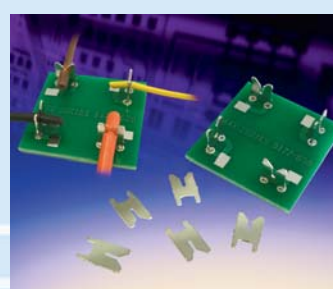
UL SINGLE TINE SMT
18-24 AWG
9176-650
Application: Discrete Wire
of Positions: 1
Current Rating: Up to 9A/Contact
Voltage Rating: 600 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL S SINGLE IDC CONTACT
12-18 AWG
9177-500
Application: Discrete Wire
of Positions: 1
Current Rating: 15A
Voltage Rating: 600 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL CAPPED 18-24 AWG
9176-700
Application: Discrete Wire
of Positions: 1, 2, 3
Current Rating: 10A/Contact
Voltage Rating: 1p: 600 VAC,
2p/3p: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



S PTH 12-18 AWG
9177-600
Application: Discrete Wire
of Positions: 1
Current Rating: 15A
Voltage Rating: 600 VAC
Operating Temp: -40°C to +125°C
Certifications: N/A

POKE-HOME



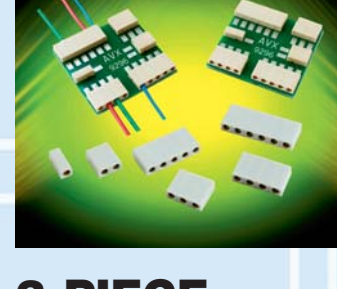
UL HORIZONTAL POKE-HOME
18-26 AWG
00-9276
Application: Wire-to-Board
of Positions: 1, 2, 3, 4, 6, 8
Current Rating: 6A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL VERTICAL TOP ENTRY
18-26 AWG
00-9296
Application: Wire-to-Board
of Positions: 1, 2, 3, 4, 5, 6
Current Rating: Up to 7A/Contact
Voltage Rating: 600 VAC 1p;
300 VAC 2p - 6p
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL INVERTED THRU BOARD
18-26 AWG
00-9296
Application: Inverse Wire-to-Board
of Positions: 1, 2, 3, 4, 5, 6
Current Rating: Up to 7A/Contact
Voltage Rating: 600 VAC 1p;
300 VAC 2p - 6p
Operating Temp: -40°C to +125°C
Certifications: UL 9177



UL LOW PROFILE HORIZONTAL
20-26 AWG
00-9296
Application: Wire-to-Board
of Positions: 1, 2, 3, 4, 5, 6
Current Rating: Up to 8A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +130°C
Certifications: UL 1977

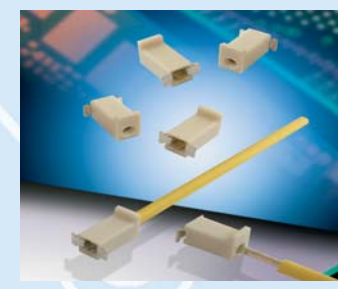
2-PIECE



UL IDC PLUG 22-24 AWG
14-9159
Application: IDC with Latch
of Positions: 2, 3, 4, 5, 6
Current Rating: 5A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL IDC SOCKET 22-24 AWG
24-9159
Application: IDC with Latch
of Positions: 2, 3, 4, 5, 6
Current Rating: 5A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



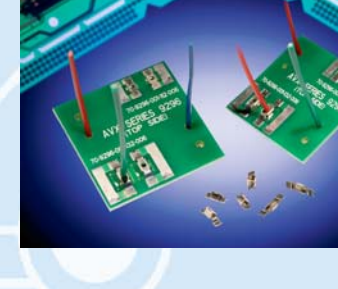
UL SINGLE VERTICAL TOP ENTRY
18 AWG SOLID
58-9296
Application: Wire-to-Board
of Positions: 1
Current Rating: 8A
Voltage Rating: 600 VAC
Operating Temp: -40°C to +130°C
Certifications: Check Website



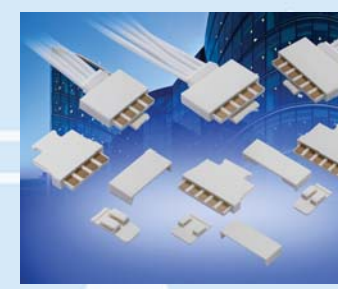
UL S SINGLE HORIZONTAL CONTACTS
12-28 AWG
70-9296
Application: Wire-to-Board
of Positions: 1
Current Rating: Up to 20A
Voltage Rating: Dependent on
Contact Spacing
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL S SINGLE VERTICAL CONTACTS
18-24 AWG
70-9296
Application: Vertical & Inverse WTB
of Positions: 1
Current Rating: Up to 15A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL S MICRO SINGLE VERTICAL CONTACT
22-26 AWG
70-9296
Application: Vertical & Inverse WTB
of Positions: 1
Current Rating: Up to 8A/Contact
Voltage Rating: Dependent on Contact
Spacing
Operating Temp: -40°C to +125°C
Certifications: UL 1977

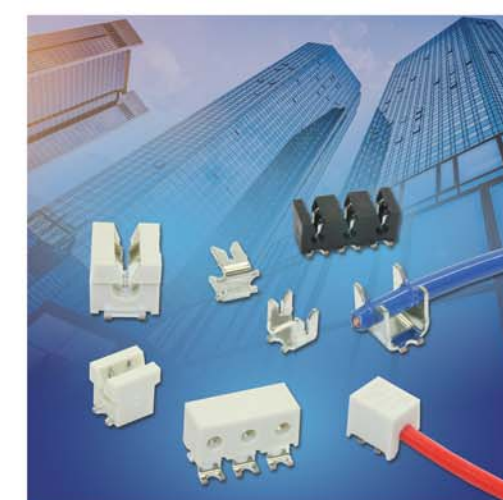


UL SOLDER CUP PLUG
11-9159
Application: Soldering WTB 2-Piece
Connector with Latch
of Positions: 2, 3, 4, 5, 6
Current Rating: 5A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +120°C
Certifications: UL 1977

CONNECTOR SELECTOR GUIDE

CONTACT TECHNOLOGIES

- STRIPTM
- INSULATION DISPLACEMENT (IDC)
- POKE-HOME
- 1-PIECE COMPRESSION



BOARD-TO-BOARD (BTB) APPLICATIONS

2-PIECE CONNECTORS



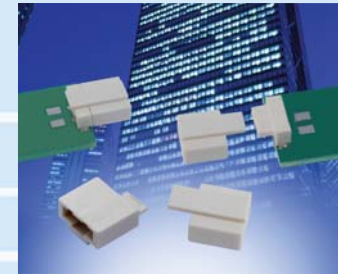
UL **HORIZONTAL PLUG**
10-9159
Application: Linear BTB
of Positions: 2, 3, 4, 5, 6
Current Rating: 5A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL **TOP LOAD SOCKET**
22-9159
Application: Linear BTB
of Positions: 2, 3, 4, 5, 6
Current Rating: 5A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL **VERTICAL PLUG**
13-9159
Application: Perpendicular BTB
of Positions: 2, 3, 4, 5, 6
Current Rating: 5A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL **SHORTING SOCKET**
58-9159
Application: Shorting Socket
of Positions: 2
Current Rating: 5A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL **HORIZONTAL SOCKET**
20-9159
Application: Linear BTB
of Positions: 2, 3, 4, 5, 6
Current Rating: 5A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977

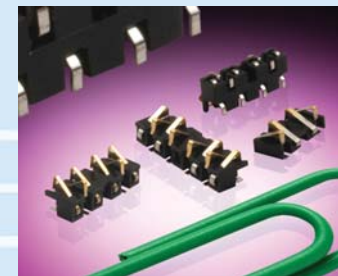


UL **S** **SINGLE 2PC CONTACTS**
70-9159
Application: Linear BTB
of Positions: 1
Current Rating: 5A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977

1-PIECE COMPRESSION



UL **ULTRA LOW PROFILE**
00-9155
Application: Parallel PCB Stacking
of Positions: 2p & 3p
Current Rating: 3A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +105°C



UL **STAGGERED STACKER**
00-9188
Application: Parallel PCB Stacking
of Positions: 4, 6, 8
Current Rating: 1A/Contact
Voltage Rating: 125 VAC
Operating Temp: -55°C to +125°C



UL **ULTRA LOW PROFILE STACKER**
00-9258
Application: Parallel PCB Stacking
of Positions: 8
Current Rating: 1A/Contact
Voltage Rating: 125 VAC
Operating Temp: -55°C to +125°C



UL **S** **SINGLE COMPRESSION CONTACTS**
70-9155
Application: Parallel PCB Stacking
of Positions: 1
Current Rating: 3A/Contact
Voltage Rating: Up to 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977

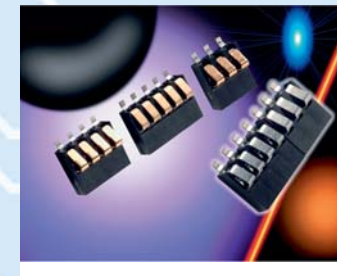


UL **DUAL ROW STACKER**
00-9158
Application: Parallel PCB Stacking
of Positions: 16p-28p Standard
Current Rating: 1A/Contact
Voltage Rating: 125 VAC
Operating Temp: -55°C to +125°C

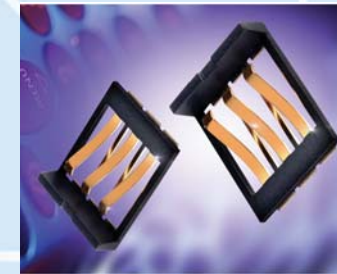


S **POGO-PIN**
70-9150
Application: BTB & Docking
of Positions: 1
Current Rating: 1A/Contact
Voltage Rating: Based on Placement Distance
Operating Temp: -40°C to +125°C

BATTERY



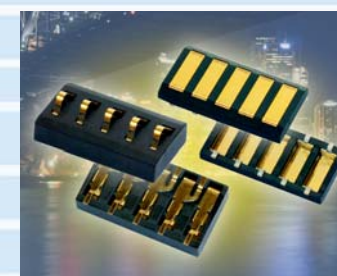
UL **STANDARD 2.5MM PITCH**
9155-000
Application: Battery or BTB Connections
of Positions: 3, 4, 5
Current Rating: 3A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C



UL **ULTRA LOW PROFILE**
9155-100
Application: Battery or BTB Connections
of Positions: 2 & 3
Current Rating: 3A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +105°C



UL **REDUCED 2.5MM PITCH**
9155-200
Application: Battery or BTB Connections
of Positions: 2, 3, 4, 5
Current Rating: 3A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +105°C



UL **TWO PIECE 4.00 PITCH**
9155-400
Application: Battery or BTB Connections
of Positions: 5
Current Rating: 3A/Contact
Voltage Rating: 150 VAC
Operating Temp: -40°C to +125°C

1-PIECE CARD EDGE



UL **STANDARD**
00-9159
Application: Linear BTB
of Positions: 2, 3, 4, 5
Current Rating: 3A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL **OPEN ENDED**
00-9159
Application: Linear BTB
of Positions: 4, 6, 8, 10
Current Rating: 3.0 amps 4p/6p
2.5 amps 8p/10p
Voltage Rating: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL **RIGHT ANGLE 3.0MM PITCH**
9155-300
Application: Battery or BTB Connections
of Positions: 2, 3, 4, 5
Current Rating: 3A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +105°C



UL **RIGHT ANGLE 2.5MM PITCH**
9155-500
Application: Battery or BTB Connections
of Positions: 2, 3, 4, 5
Current Rating: 3A/Contact
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C



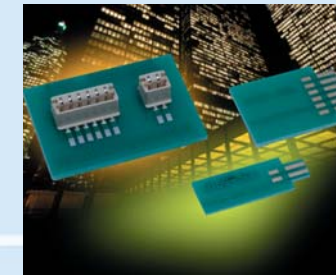
UL **VERTICAL MATE 2.0MM PITCH**
9155-800
Application: Battery or BTB Connector
of Positions: 2, 3, 4, 5, 6
Current Rating: Up to 50 2A
Voltage Rating: 125 VAC
Operating Temp: -40°C to +125°C



UL **S** **SINGLE CONTACT**
70-9155
Application: Battery or BTB Connections
of Positions: 1
Current Rating: 3A/Contact
Voltage Rating: Up to 300 VAC based on placement distance
Operating Temp: -40°C to +125°C
Certifications: UL 1977

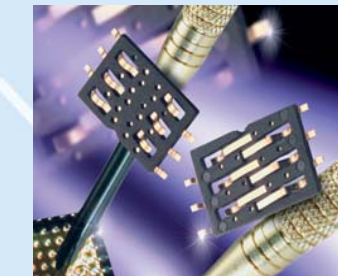


UL **INVERTED THRU BOARD**
00-9159
Application: Perpendicular BTB
of Positions: 2, 3, 4, 5, 6
Current Rating: 2A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +120°C
Certifications: UL 1977



UL **VERTICAL TOP MOUNT**
00-9159
Application: Perpendicular BTB
of Positions: 2, 3, 4, 5, 6
Current Rating: 2A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +120°C
Certifications: UL 1977

SUBSCRIBER IDENTITY MODULE (SIM)



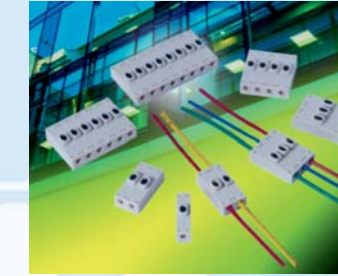
UL **SIM BLOCK**
9162-000
Application: Cellular Phones/Radios
of Positions: 6
Current Rating: 0.5A max
Voltage Rating: 50 Vdc
Operating Temp: -40°C to +80°C



UL **LOCKING SIM**
9162-300
Application: Cellular Phones/Radios
of Positions: 6
Current Rating: 0.3A max
Voltage Rating: 30 Vdc
Operating Temp: -40°C to +125°C

WIRE-TO-WIRE (WTW) APPLICATIONS

POKE-HOME



UL **THRU WIRE CONNECTORS**
00-9286
Application: Discrete Wire: 18-26 AWG
of Positions: 1, 2, 3, 4, 6, 8
Current Rating: Up to 8A/Contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL **JUNCTION BOX CONNECTORS**
00-9286
Application: Discrete Wire: 18-26 AWG
of Positions: 4, 6, 8
Current Rating: 8A Total
Voltage Rating: 300 VAC
Operating Temp: -40°C to +125°C
Certifications: UL 1977



UL **REDUCED THRU WIRE CONNECTORS**
9286-200
Application: Discrete Wire: 18-24 AWG
of Positions: 1, 2, 3, 5, 4, 6
Current Rating: Up to 8A/contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +130°C
Certifications: UL 1977



UL **REDUCED JUNCTION BOX CONNECTORS**
9286-250
Application: Discrete Wire: 18-24 AWG
of Positions: 4, 6, 8
Current Rating: Up to 8A/contact
Voltage Rating: 300 VAC
Operating Temp: -40°C to +130°C
Certifications: UL 1977

INPUT/OUTPUT (I/O)



UL **STANDARD I/O 15P & 19P**
XX-9157
Application: Portable Devices: Industrial/Medical
of Positions: 15 or 19
Current Rating: 1.5A max
Voltage Rating: 125 VAC
Operating Temp: -55°C to +125°C



UL **MINI I/O 12P**
XX-9257
Application: Portable Devices: Industrial/Medical
of Positions: 12
Current Rating: 0.5A max
Voltage Rating: 50 VAC
Operating Temp: -25°C to +85°C



UL **REDUCED I/O 16P**
XX-9257
Application: Portable Devices: Industrial/Medical
of Positions: 8, 16
Current Rating: 1.0A max
Voltage Rating: 125 VAC
Operating Temp: -55°C to +85°C

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