



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1775102001   |
| Part designation | SL-SMT5.08/12/90G 1.5SN  |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 90°, Box |
| EAN              | 4032248156573  |
| Qty.             | 50 pc(s).  |

#### System parameters

|                             |                          |
|-----------------------------|--------------------------|
| Fitted to PCB               | Reflow solder connection |
| Outgoing elbow              | 90°                      |
| Pitch                       | 5.08 mm                  |
| Pitch in inch               | 0.2 inch                 |
| No. of poles                | 12                       |
| Solder pin length           | 1.5 mm                   |
| Can be coded                | Yes                      |
| No. of solder pins per pole | 1                        |
| L1 in mm                    | 55.88 mm                 |
| L1 in inch                  | 2.2 inch                 |

#### Material data

|                     |        |
|---------------------|--------|
| Insulating material | LCP GF |
| Colour              | black  |

#### Material data

|                                       |                     |
|---------------------------------------|---------------------|
| colour chart                          | Similar to RAL 9011 |
| Insulating material group             | IIIa                |
| Flammability class UL 94              | V-0                 |
| Contact base material                 | CuSn                |
| Contact surface                       | tinned              |
| Constant operating temp., min.        | -25 °C              |
| Constant operating temp., max.        | 100                 |
| Storage temperature, min.             | -25 °C              |
| Storage temperature, max.             | 55 °C               |
| Max. relative humidity during storage | 80 %                |

#### DIN IEC rating data

|  |       |
|--|-------|
| Rated current, min. No. pins (Tu=20°C)   | 19 A  |
| Rated current, max. No. pins (Tu=20°C)   | 15 A  |
| Rated current, min. No. pins (Tu=40°C)   | 16 A  |
| Rated current, max. No. pins (Tu=40°C)   | 13 A  |
| Rated voltage for overvoltage class/pollution severity III/3                   | 250 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 kV  |
| Rated voltage for overvoltage class/pollution severity III/2                   | 320 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 4 kV  |
| Rated voltage for overvoltage class/pollution severity II/2                    | 400 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 4 kV  |

#### CSA rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |

### Approvals

Approvals institutes



### Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | NK          |
| ETIM 3.0   | EC001284    |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |

### Similar products

| Order No.  | Part designation        | Version   |
|------------|-------------------------|---|
| 1775002001 | SL-SMT5.08/2/90G 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 90°, Box |
| 1780180000 | SL-SMT5.08/2/90G 3.2SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 90°, Box |
| 1775012001 | SL-SMT5.08/3/90G 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 3, 90°, Box |
| 1780190000 | SL-SMT5.08/03/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 3, 90°, Box |
| 1775022001 | SL-SMT5.08/4/90G 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 90°, Box |
| 1780200000 | SL-SMT5.08/04/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 90°, Box |
| 1775032001 | SL-SMT5.08/5/90G 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 90°, Box |
| 1780210000 | SL-SMT5.08/05/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 90°, Box |
| 1775042001 | SL-SMT5.08/6/90G 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 90°, Box |
| 1780220000 | SL-SMT5.08/06/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 90°, Box |
| 1775052001 | SL-SMT5.08/7/90G 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 7, 90°, Box |
| 1780230000 | SL-SMT5.08/07/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 7, 90°, Box |

|            |                         |  |
|------------|-------------------------|--|
| 1775062001 | SL-SMT5.08/8/90G 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 90°, Box  |
| 1780240000 | SL-SMT5.08/08/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 90°, Box  |
| 1775072001 | SL-SMT5.08/9/90G 1.5SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 9, 90°, Box  |
| 1780250000 | SL-SMT5.08/09/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 9, 90°, Box  |
| 1775082001 | SL-SMT5.08/10/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 90°, Box |
| 1780260000 | SL-SMT5.08/10/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 90°, Box |
| 1775092001 | SL-SMT5.08/11/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 11, 90°, Box |
| 1780270000 | SL-SMT5.08/11/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 11, 90°, Box |
| 1780280000 | SL-SMT5.08/12/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 90°, Box |
| 1775112001 | SL-SMT5.08/13/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 13, 90°, Box |
| 1780290000 | SL-SMT5.08/13/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 13, 90°, Box |
| 1775122001 | SL-SMT5.08/14/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 90°, Box |
| 1780300000 | SL-SMT5.08/14/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 90°, Box |
| 1775132001 | SL-SMT5.08/15/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 15, 90°, Box |
| 1780310000 | SL-SMT5.08/15/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 15, 90°, Box |
| 1775142001 | SL-SMT5.08/16/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 90°, Box |
| 1780320000 | SL-SMT5.08/16/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 90°, Box |
| 1775152001 | SL-SMT5.08/17/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 17, 90°, Box |
| 1780330000 | SL-SMT5.08/17/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 17, 90°, Box |
| 1775162001 | SL-SMT5.08/18/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 90°, Box |
| 1780340000 | SL-SMT5.08/18/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 90°, Box |
| 1775172001 | SL-SMT5.08/19/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 19, 90°, Box |
| 1780350000 | SL-SMT5.08/19/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 19, 90°, Box |
| 1775182001 | SL-SMT5.08/20/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 90°, Box |
| 1780360000 | SL-SMT5.08/20/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 90°, Box |
| 1775192001 | SL-SMT5.08/21/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 21, 90°, Box |

|            |                         |  |
|------------|-------------------------|--|
| 1780370000 | SL-SMT5.08/21/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 21, 90°, Box |
| 1775202001 | SL-SMT5.08/22/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 90°, Box |
| 1780380000 | SL-SMT5.08/22/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 90°, Box |
| 1775212001 | SL-SMT5.08/23/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 23, 90°, Box |
| 1780390000 | SL-SMT5.08/23/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 23, 90°, Box |
| 1775222001 | SL-SMT5.08/24/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 90°, Box |
| 1780400000 | SL-SMT5.08/24/90G 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 90°, Box |