



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1796710000  |
| Part designation | SL-SMT5.00/10/180G 1.5SN  |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| EAN              | 4032248237333   |
| Qty.             | 50 pc(s).   |

#### System parameters

|                             |                          |
|-----------------------------|--------------------------|
| Fitted to PCB               | Reflow solder connection |
| Outgoing elbow              | 180°                     |
| Pitch                       | 5 mm                     |
| Pitch in inch               | 0.197 inch               |
| No. of poles                | 10                       |
| Solder pin length           | 1.5 mm                   |
| Can be coded                | Yes                      |
| No. of rows                 | 1                        |
| No. of solder pins per pole | 1                        |
| Fitting hole tolerance      | + 0.1 mm                 |
| L1 in mm                    | 45 mm                    |
| L1 in inch                  | 1.772 inch               |
| Insulation resistance       | 1 MΩ                     |

#### Material data

|                                       |                     |
|---------------------------------------|---------------------|
| Insulating material                   | LCP GF              |
| Colour                                | black               |
| colour chart                          | Similar to RAL 9011 |
| Insulating material group             | IIIa                |
| Flammability class UL 94              | V-0                 |
| CTI                                   | >= 175              |
| 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 |

#### Classifications

|            |             |
|------------|-------------|
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |

#### Similar products

| Order No.  | Part designation                | Version   |
|------------|---------------------------------|---|
| 1796630000 | SL-SMT5.00/2/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 2, 180°, Box  |
| 1841160000 | SL-SMT5.00/2/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 2, 180°, Box  |
| 1796640000 | SL-SMT5.00/3/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 3, 180°, Box  |
| 1841170000 | SL-SMT5.00/3/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 3, 180°, Box  |
| 1796650000 | SL-SMT5.00/4/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 4, 180°, Box  |
| 1841180000 | SL-SMT5.00/4/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 4, 180°, Box  |
| 1796660000 | SL-SMT5.00/5/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 5, 180°, Box  |
| 1841190000 | SL-SMT5.00/5/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 5, 180°, Box  |
| 1796670000 | SL-SMT5.00/6/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 6, 180°, Box  |
| 1841200000 | SL-SMT5.00/6/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 6, 180°, Box  |
| 1796680000 | SL-SMT5.00/7/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 7, 180°, Box  |
| 1841210000 | SL-SMT5.00/7/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 7, 180°, Box  |
| 1796690000 | SL-SMT5.00/8/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 8, 180°, Box  |
| 1841220000 | SL-SMT5.00/8/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 8, 180°, Box  |
| 1796700000 | SL-SMT5.00/9/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 9, 180°, Box  |
| 1841230000 | SL-SMT5.00/9/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 9, 180°, Box  |
| 1841240000 | SL-SMT5.00/10/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| 1796720000 | SL-SMT5.00/11/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 11, 180°, Box |
| 1841250000 | SL-SMT5.00/11/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 11, 180°, Box |
| 1796730000 | SL-SMT5.00/12/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 12, 180°, Box |
| 1841260000 | SL-SMT5.00/12/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 12, 180°, Box |

|            |                                 |   |
|------------|---------------------------------|---|
| 1796740000 | SL-SMT5.00/13/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 13, 180°, Box |
| 1841270000 | SL-SMT5.00/13/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 13, 180°, Box |
| 1796750000 | SL-SMT5.00/14/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 1841280000 | SL-SMT5.00/14/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 1796760000 | SL-SMT5.00/15/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 15, 180°, Box |
| 1841290000 | SL-SMT5.00/15/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 15, 180°, Box |
| 1796770000 | SL-SMT5.00/16/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 16, 180°, Box |
| 1841300000 | SL-SMT5.00/16/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 16, 180°, Box |
| 1841310000 | SL-SMT5.00/17/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 17, 180°, Box |
| 1841320000 | SL-SMT5.00/18/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 18, 180°, Box |
| 1841330000 | SL-SMT5.00/19/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 19, 180°, Box |
| 1841340000 | SL-SMT5.00/20/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 20, 180°, Box |
| 1841350000 | SL-SMT5.00/21/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 21, 180°, Box |
| 1841360000 | SL-SMT5.00/22/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 22, 180°, Box |
| 1841370000 | SL-SMT5.00/23/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 23, 180°, Box |
| 1841380000 | SL-SMT5.00/24/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 24, 180°, Box |