



#### General ordering data

|                  |                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------|
| Order No.        | 1776462001                                                                                                    |
| Part designation | SL-SMT5.08/12/180LF 1.5SN                                                                                     |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| EAN              | 4032248159345                                                                                                 |
| Qty.             | 50 pc(s).                                                                                                     |

#### System parameters

|                             |                          |
|-----------------------------|--------------------------|
| Fitted to PCB               | Reflow solder connection |
| Outgoing elbow              | 180°                     |
| 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               |
| 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                                                                                                       |
|------------|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1776362001 | SL-SMT5.08/2/180LF 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 180°, Box  |
| 1838440000 | SL-SMT5.08/2/180LF 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 180°, Box  |
| 1776372001 | SL-SMT5.08/3/180LF 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 3, 180°, Box  |
| 1838450000 | SL-SMT5.08/3/180LF 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 3, 180°, Box  |
| 1776382001 | SL-SMT5.08/4/180LF 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box  |
| 1838460000 | SL-SMT5.08/4/180LF 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box  |
| 1776392001 | SL-SMT5.08/5/180LF 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 180°, Box  |
| 1838470000 | SL-SMT5.08/5/180LF 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 180°, Box  |
| 1776402001 | SL-SMT5.08/6/180LF 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1838480000 | SL-SMT5.08/6/180LF 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1776412001 | SL-SMT5.08/7/180LF 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 7, 180°, Box  |
| 1838490000 | SL-SMT5.08/7/180LF 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 7, 180°, Box  |
| 1776422001 | SL-SMT5.08/8/180LF 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1838500000 | SL-SMT5.08/8/180LF 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1776432001 | SL-SMT5.08/9/180LF 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1838510000 | SL-SMT5.08/9/180LF 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1776442001 | SL-SMT5.08/10/180LF 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1838520000 | SL-SMT5.08/10/180LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1776452001 | SL-SMT5.08/11/180LF 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1838530000 | SL-SMT5.08/11/180LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1838540000 | SL-SMT5.08/12/180LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1776472001 | SL-SMT5.08/13/180LF 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1838550000 | SL-SMT5.08/13/180LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1776482001 | SL-SMT5.08/14/180LF 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1838560000 | SL-SMT5.08/14/180LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 180°, Box |

|            |                                     |                                                                                                               |
|------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1776492001 | SL-SMT5.08/15/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1838570000 | SL-SMT5.08/15/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1776502001 | SL-SMT5.08/16/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1838580000 | SL-SMT5.08/16/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1776512001 | SL-SMT5.08/17/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1838590000 | SL-SMT5.08/17/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1776522001 | SL-SMT5.08/18/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1838600000 | SL-SMT5.08/18/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1776532001 | SL-SMT5.08/19/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1838610000 | SL-SMT5.08/19/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1776542001 | SL-SMT5.08/20/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1838620000 | SL-SMT5.08/20/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1776552001 | SL-SMT5.08/21/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1838630000 | SL-SMT5.08/21/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1776572001 | SL-SMT5.08/22/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1838640000 | SL-SMT5.08/22/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1776582001 | SL-SMT5.08/23/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1838650000 | SL-SMT5.08/23/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1776592001 | SL-SMT5.08/24/180LF 1.5SN           | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 180°, Box |
| 1838660000 | SL-SMT5.08/24/180LF 3.2SN<br>SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 180°, Box |