



#### General ordering data

|                  |                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------|
| Order No.        | 1838020000                                                                                                   |
| Part designation | SL-SMT5.08/6/180 3.2SN SW BOX                                                                                |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| EAN              | 4032248348084                                                                                                |
| 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                | 6                        |
| Solder pin length           | 3.2 mm                   |
| Can be coded                | Yes                      |
| No. of solder pins per pole | 1                        |
| L1 in mm                    | 25.4 mm                  |
| L1 in inch                  | 1 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                                                                                                      |
|------------|-------------------------------|--------------------------------------------------------------------------------------------------------------|
| 1775522001 | SL-SMT5.08/2/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1837980000 | SL-SMT5.08/2/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1775572001 | SL-SMT5.08/3/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1837990000 | SL-SMT5.08/3/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1775592001 | SL-SMT5.08/4/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1838000000 | SL-SMT5.08/4/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1775632001 | SL-SMT5.08/5/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1838010000 | SL-SMT5.08/5/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1775642001 | SL-SMT5.08/6/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 1775652001 | SL-SMT5.08/7/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| 1838030000 | SL-SMT5.08/7/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| 1775662001 | SL-SMT5.08/8/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 180°, Box |

|            |                                |                                                                                                               |
|------------|--------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1838040000 | SL-SMT5.08/8/180 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1775672001 | SL-SMT5.08/9/180 1.5 SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1838050000 | SL-SMT5.08/9/180 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1775682001 | SL-SMT5.08/10/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1838060000 | SL-SMT5.08/10/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1775692001 | SL-SMT5.08/11/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1838070000 | SL-SMT5.08/11/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1775702001 | SL-SMT5.08/12/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1838080000 | SL-SMT5.08/12/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1775712001 | SL-SMT5.08/13/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1838090000 | SL-SMT5.08/13/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1775722001 | SL-SMT5.08/14/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1838100000 | SL-SMT5.08/14/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1775732001 | SL-SMT5.08/15/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1838110000 | SL-SMT5.08/15/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1775742001 | SL-SMT5.08/16/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1838120000 | SL-SMT5.08/16/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1775752001 | SL-SMT5.08/17/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1838130000 | SL-SMT5.08/17/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1775762001 | SL-SMT5.08/18/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1838140000 | SL-SMT5.08/18/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1775772001 | SL-SMT5.08/19/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1838150000 | SL-SMT5.08/19/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1775782001 | SL-SMT5.08/20/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1838160000 | SL-SMT5.08/20/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1775792001 | SL-SMT5.08/21/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 21, 180°, Box |

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|------------|--------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1838170000 | SL-SMT5.08/21/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1775802001 | SL-SMT5.08/22/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1838180000 | SL-SMT5.08/22/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1775812001 | SL-SMT5.08/23/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1838190000 | SL-SMT5.08/23/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1775822001 | SL-SMT5.08/24/180 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 180°, Box |
| 1838200000 | SL-SMT5.08/24/180 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 24, 180°, Box |