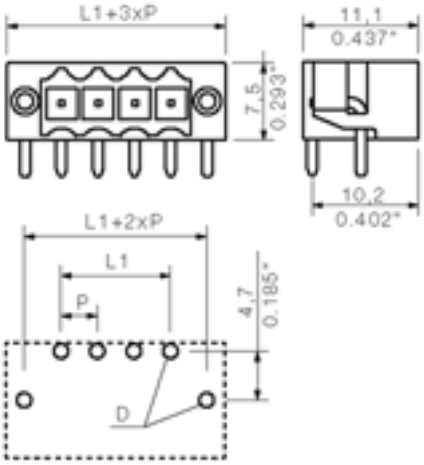





| General ordering data | |
|---|---|
| Order No. | 1804980000 |
| Part designation | SL-SMT3.5/6/90LF 1.5SN |
| Version | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box |
| EAN | 4032248268887 |
| Qty. | 50 pc(s). |

| System parameters | |
|---|---|
| Fitted to PCB | Reflow solder connection |
| Outgoing elbow | 90° |
| Pitch | 3.5 mm |
| Pitch in inch | 0.138 inch |
| No. of poles | 6 |
| Solder pin length | 1.5 mm |
| Can be coded | Yes |
| No. of rows | 1 |
| No. of solder pins per pole | 1 |
| Dia. of fitting hole | 1.4 mm |
| Fitting hole tolerance | + 0.1 mm |
| L1 in mm | 17.5 mm |
| L1 in inch | 0.689 inch |
| Insulation resistance | 1 MΩ |
| Electric shock protection to DIN VDE 0470 | IP 10 |
| Electric shock protection to DIN VDE 0470 | Safe from back-of-hand touch |

| 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 |
| Temperature of glow-wire test | 960 °C |

| Material data | |
|---|---|
| Duration of glow-wire test | 30 S |
| Contact base material | CuSn |
| Contact surface | tinned |
| Constant operating temp., min. | -25 °C |
| Constant operating temp., max. | 100 °C |
| 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) | 15 A |
| Rated current, max. No. pins (Tu=20°C) | 12 A |
| Rated current, min. No. pins(Tu=40°C) | 13 A |
| Rated current, max. No. pins (Tu=40°C) | 10 A |
| Rated voltage for overvoltage class/pollution severity III/3 | 160 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2.5 kV |
| Rated voltage for overvoltage class/pollution severity III/2 | 160 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 2.5 kV |
| Rated voltage for overvoltage class/pollution severity II/2 | 320 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 2.5 kV |
| Short-time withstand current resistance | 3 x 1s with 100 A |

| 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 | |

## Approvals

## Downloads

| | |
|---|---|
| CAD Library (P-CAD Format - Standard) | SL-SMT.LIB |

## 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 |
|---|---|---|
| 1804940000 | SL-SMT3.5/2/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 90°, Box |
| 1841860000 | SL-SMT3.5/2/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 90°, Box |
| 1804950000 | SL-SMT3.5/3/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 90°, Box |
| 1841870000 | SL-SMT3.5/3/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 90°, Box |
| 1804960000 | SL-SMT3.5/4/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Box |
| 1841880000 | SL-SMT3.5/4/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Box |
| 1804970000 | SL-SMT3.5/5/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 90°, Box |
| 1841890000 | SL-SMT3.5/5/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 90°, Box |
| 1841900000 | SL-SMT3.5/6/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box |
| 1804990000 | SL-SMT3.5/7/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 90°, Box |
| 1841910000 | SL-SMT3.5/7/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 90°, Box |
| 1805000000 | SL-SMT3.5/8/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box |
| 1841920000 | SL-SMT3.5/8/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box |
| 1805010000 | SL-SMT3.5/9/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 90°, Box |
| 1841930000 | SL-SMT3.5/9/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 90°, Box |
| 1805020000 | SL-SMT3.5/10/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box |
| 1841940000 | SL-SMT3.5/10/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box |

| | | |
|---|---|---|
| 1805030000 | SL-SMT3.5/11/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 11, 90°, Box |
| 1841950000 | SL-SMT3.5/11/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 11, 90°, Box |
| 1805040000 | SL-SMT3.5/12/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box |
| 1804340000 | SL-SMT3.5/12/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box |
| 1805050000 | SL-SMT3.5/13/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 13, 90°, Box |
| 1841960000 | SL-SMT3.5/13/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 13, 90°, Box |
| 1805060000 | SL-SMT3.5/14/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box |
| 1841970000 | SL-SMT3.5/14/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box |
| 1805070000 | SL-SMT3.5/15/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 15, 90°, Box |
| 1841980000 | SL-SMT3.5/15/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 15, 90°, Box |
| 1805080000 | SL-SMT3.5/16/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box |
| 1841990000 | SL-SMT3.5/16/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box |
| 1805090000 | SL-SMT3.5/17/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 17, 90°, Box |
| 1842000000 | SL-SMT3.5/17/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 17, 90°, Box |
| 1805100000 | SL-SMT3.5/18/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box |
| 1842010000 | SL-SMT3.5/18/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box |
| 1805110000 | SL-SMT3.5/19/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 19, 90°, Box |
| 1842020000 | SL-SMT3.5/19/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 19, 90°, Box |
| 1805120000 | SL-SMT3.5/20/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box |
| 1842030000 | SL-SMT3.5/20/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box |
| 1805130000 | SL-SMT3.5/21/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 21, 90°, Box |
| 1842040000 | SL-SMT3.5/21/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 21, 90°, Box |
| 1805140000 | SL-SMT3.5/22/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Box |
| 1842050000 | SL-SMT3.5/22/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Box |
| 1805150000 | SL-SMT3.5/23/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 23, 90°, Box |
| 1842060000 | SL-SMT3.5/23/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 23, 90°, Box |

| | | |
|---|---|---|
| 1805160000 | SL-SMT3.5/24/90LF 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box |
| 1842070000 | SL-SMT3.5/24/90LF 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box |