



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1761662001   |
| Part designation | SL-SMT3.5/14/90G 1.5SN   |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box |
| EAN              | 4032248132256  |
| 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                | 14                       |
| 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                    | 45.5 mm                  |
| L1 in inch                  | 1.791 inch               |
| Insulation resistance       | 1 MΩ                     |

#### System parameters

|   |                              |
|---|------------------------------|
| 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              |
| 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



### 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  |
|------------|------------------------------|--|
| 1761552001 | SL-SMT3.5/3/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 90°, Box  |
| 1841640000 | SL-SMT3.5/3/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 90°, Box  |
| 1761562001 | SL-SMT3.5/4/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Box  |
| 1841650000 | SL-SMT3.5/4/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Box  |
| 1761572001 | SL-SMT3.5/5/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 90°, Box  |
| 1841660000 | SL-SMT3.5/5/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 90°, Box  |
| 1761582001 | SL-SMT3.5/6/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box  |
| 1841670000 | SL-SMT3.5/6/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box  |
| 1761592001 | SL-SMT3.5/7/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 90°, Box  |
| 1841680000 | SL-SMT3.5/7/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 90°, Box  |
| 1761602001 | SL-SMT3.5/8/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box  |
| 1841690000 | SL-SMT3.5/8/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box  |
| 1761612001 | SL-SMT3.5/9/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 90°, Box  |
| 1841700000 | SL-SMT3.5/9/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 90°, Box  |
| 1761622001 | SL-SMT3.5/10/90G 1.5SN       | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box |

|            |                               |  |
|------------|-------------------------------|--|
| 1841710000 | SL-SMT3.5/10/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box |
| 1761632001 | SL-SMT3.5/11/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 11, 90°, Box |
| 1841720000 | SL-SMT3.5/11/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 11, 90°, Box |
| 1761642001 | SL-SMT3.5/12/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box |
| 1841730000 | SL-SMT3.5/12/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box |
| 1761652001 | SL-SMT3.5/13/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 13, 90°, Box |
| 1841740000 | SL-SMT3.5/13/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 13, 90°, Box |
| 1841750000 | SL-SMT3.5/14/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box |
| 1761672001 | SL-SMT3.5/15/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 15, 90°, Box |
| 1841760000 | SL-SMT3.5/15/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 15, 90°, Box |
| 1761682001 | SL-SMT3.5/16/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box |
| 1841770000 | SL-SMT3.5/16/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box |
| 1761692001 | SL-SMT3.5/17/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 17, 90°, Box |
| 1841780000 | SL-SMT3.5/17/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 17, 90°, Box |
| 1761702001 | SL-SMT3.5/18/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box |
| 1841790000 | SL-SMT3.5/18/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box |
| 1761712001 | SL-SMT3.5/19/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 19, 90°, Box |
| 1841800000 | SL-SMT3.5/19/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 19, 90°, Box |
| 1761542001 | SL-SMT3.5/2/90G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 90°, Box  |
| 1841630000 | SL-SMT3.5/2/90G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 90°, Box  |
| 1761722001 | SL-SMT3.5/20/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box |
| 1841810000 | SL-SMT3.5/20/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box |
| 1761732001 | SL-SMT3.5/21/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 21, 90°, Box |
| 1841820000 | SL-SMT3.5/21/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 21, 90°, Box |
| 1761742001 | SL-SMT3.5/22/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Box |
| 1841830000 | SL-SMT3.5/22/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Box |

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| 1761752001 | SL-SMT3.5/23/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 23, 90°, Box |
| 1841840000 | SL-SMT3.5/23/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 23, 90°, Box |
| 1761762001 | SL-SMT3.5/24/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box |
| 1841850000 | SL-SMT3.5/24/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box |