



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



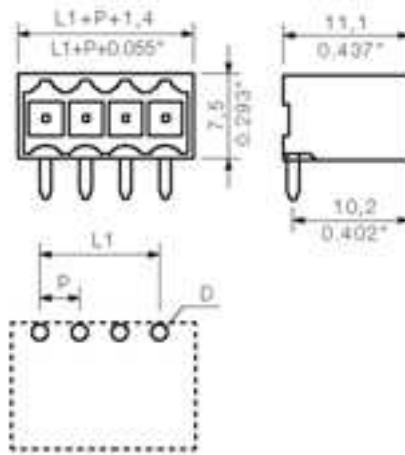
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1761542001  |
| Part designation | SL-SMT3.5/2/90G 1.5SN   |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 90°, Box |
| EAN              | 4032248132034   |
| Qty.             | 100 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                | 2                        |
| 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                    | 3.5 mm                   |
| L1 in inch                  | 0.138 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 |
| 1761662001 | SL-SMT3.5/14/90G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 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 |
| 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 |
| 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 |