

## Excellent Integrated System Limited

Stocking Distributor

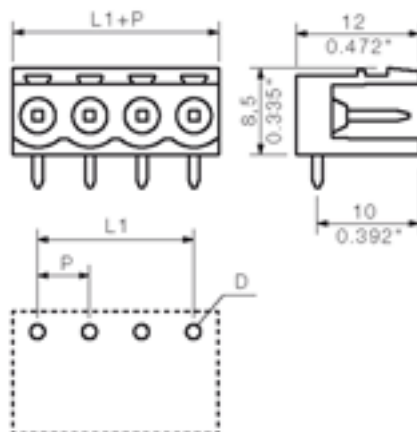
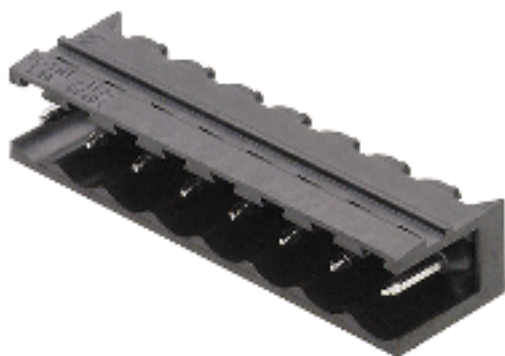
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Weidmüller](#)  
[1796980000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 5.00 / 5.08 mm (0.197 / 0.200 inch) | Plug connectors, THR solder connection, pitch 5.00/5.08 | SL-SMT 5.00-5.08/90 | SL-SMT 5.00/90 Box



#### General ordering data

|                  |                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------|
| Order No.        | 1796980000                                                                                                  |
| Part designation | SL-SMT5.00/7/90 1.5SN                                                                                       |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 7, 90°, Box |
| EAN              | 4032248237760                                                                                               |
| Qty.             | 50 pc(s).                                                                                                   |

#### System parameters

|                             |                          |
|-----------------------------|--------------------------|
| Fitted to PCB               | Reflow solder connection |
| Outgoing elbow              | 90°                      |
| Pitch                       | 5 mm                     |
| Pitch in inch               | 0.197 inch               |
| No. of poles                | 7                        |
| Solder pin length           | 1.5 mm                   |
| Can be coded                | Yes                      |
| No. of rows                 | 1                        |
| No. of solder pins per pole | 1                        |
| Fitting hole tolerance      | + 0.1 mm                 |
| L1 in mm                    | 30 mm                    |
| L1 in inch                  | 1.181 inch               |
| Insulation resistance       | 1 MΩ                     |

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#### 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                                   | $\geq 175$          |
| 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 |

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#### Classifications

|            |             |
|------------|-------------|
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |

#### Similar products

| Order No.  | Part designation              | Version                                                                                                      |
|------------|-------------------------------|--------------------------------------------------------------------------------------------------------------|
| 1796930000 | SL-SMT5.00/2/90 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 2, 90°, Box  |
| 1839890000 | SL-SMT5.00/2/90 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 2, 90°, Box  |
| 1796940000 | SL-SMT5.00/3/90 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 3, 90°, Box  |
| 1839900000 | SL-SMT5.00/3/90 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 3, 90°, Box  |
| 1796950000 | SL-SMT5.00/4/90 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 4, 90°, Box  |
| 1839910000 | SL-SMT5.00/4/90 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 4, 90°, Box  |
| 1796960000 | SL-SMT5.00/5/90 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 5, 90°, Box  |
| 1839920000 | SL-SMT5.00/5/90 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 5, 90°, Box  |
| 1796970000 | SL-SMT5.00/6/90 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 6, 90°, Box  |
| 1839930000 | SL-SMT5.00/6/90 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 6, 90°, Box  |
| 1839940000 | SL-SMT5.00/7/90 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 7, 90°, Box  |
| 1796990000 | SL-SMT5.00/8/90 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 8, 90°, Box  |
| 1839950000 | SL-SMT5.00/8/90 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 8, 90°, Box  |
| 1797000000 | SL-SMT5.00/9/90 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 9, 90°, Box  |
| 1839960000 | SL-SMT5.00/9/90 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 9, 90°, Box  |
| 1797010000 | SL-SMT5.00/10/90 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 10, 90°, Box |
| 1839970000 | SL-SMT5.00/10/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 10, 90°, Box |
| 1797020000 | SL-SMT5.00/11/90 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 11, 90°, Box |
| 1839980000 | SL-SMT5.00/11/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 11, 90°, Box |
| 1797030000 | SL-SMT5.00/12/90 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 12, 90°, Box |
| 1839990000 | SL-SMT5.00/12/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 12, 90°, Box |

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|            |                               |                                                                                                              |
|------------|-------------------------------|--------------------------------------------------------------------------------------------------------------|
| 1797040000 | SL-SMT5.00/13/90 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 13, 90°, Box |
| 1840000000 | SL-SMT5.00/13/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 13, 90°, Box |
| 1797050000 | SL-SMT5.00/14/90 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 14, 90°, Box |
| 1840010000 | SL-SMT5.00/14/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 14, 90°, Box |
| 1797060000 | SL-SMT5.00/15/90 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 15, 90°, Box |
| 1840020000 | SL-SMT5.00/15/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 15, 90°, Box |
| 1797070000 | SL-SMT5.00/16/90 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 16, 90°, Box |
| 1840030000 | SL-SMT5.00/16/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 16, 90°, Box |
| 1840040000 | SL-SMT5.00/17/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 17, 90°, Box |
| 1840050000 | SL-SMT5.00/18/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 18, 90°, Box |
| 1840060000 | SL-SMT5.00/19/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 19, 90°, Box |
| 1840070000 | SL-SMT5.00/20/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 20, 90°, Box |
| 1840080000 | SL-SMT5.00/21/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 21, 90°, Box |
| 1840090000 | SL-SMT5.00/22/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 22, 90°, Box |
| 1840100000 | SL-SMT5.00/23/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 23, 90°, Box |
| 1840110000 | SL-SMT5.00/24/90 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 24, 90°, Box |