



#### General ordering data

Order No.	1840070000
Part designation	SL-SMT5.00/20/90 3.2SN SW BOX
Version	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 20, 90°, Box
EAN	4032248350810
Qty.	20 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	20
Solder pin length	3.2 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	95 mm
L1 in inch	3.74 inch
Insulation resistance	1 MΩ

#### 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
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
1796980000	SL-SMT5.00/7/90 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 7, 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
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
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