



#### General ordering data

Order No.	1794440000
Part designation	S2L-SMT3.5/20/90 SN
Version	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box
EAN	4032248231621
Qty.	20 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	20
Solder pin length	3.2 mm
Can be coded	Yes
No. of rows	2
No. of solder pins per pole	1
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	31.5 mm
L1 in inch	1.24 inch
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	IIIb
Flammability class UL 94	V-0
CTI	>= 175
Contact base material	Copper alloy
Contact surface	tinned

#### Material data

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	93 %

#### DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	10 A
Rated current, max. No. pins (Tu=20°C)	10 A
Rated current, min. No. pins (Tu=40°C)	9 A
Rated current, max. No. pins (Tu=40°C)	8.5 A
Rated voltage for overvoltage class/pollution severity III/3	50 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV
Rated voltage for overvoltage class/pollution severity III/2	125 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	1.5 kV
Rated voltage for overvoltage class/pollution severity II/2	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	1.5 kV
Short-time withstand current resistance	3 x 1s with 77 A

#### CSA rating data

Rated voltage (Use group D)	50 V
Rated current (Use group D)	5 A

#### UL 1059 rating data

Rated voltage (Use group D)	150 V
Rated current (Use group D)	10 A

#### Approvals

Approvals institutes



#### Downloads

CAD Library (P-CAD Format - Standard)	S2L-SMT.LIB
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#### 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	27-26-07-01

### Similar products

Order No.	Part designation	Version
1794370000	S2L-SMT3.5/6/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1794380000	S2L-SMT3.5/8/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1794390000	S2L-SMT3.5/10/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box
1794400000	S2L-SMT3.5/12/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1794410000	S2L-SMT3.5/14/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box
1794420000	S2L-SMT3.5/16/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box
1794430000	S2L-SMT3.5/18/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box
1794450000	S2L-SMT3.5/22/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Box
1794460000	S2L-SMT3.5/24/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box
1794470000	S2L-SMT3.5/26/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 26, 90°, Box
1794480000	S2L-SMT3.5/28/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 28, 90°, Box
1794490000	S2L-SMT3.5/30/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 30, 90°, Box
1794500000	S2L-SMT3.5/32/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 32, 90°, Box
1794510000	S2L-SMT3.5/34/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 34, 90°, Box
1794520000	S2L-SMT3.5/36/90 SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 36, 90°, Box