



General ordering data	
Order No	1727880000

Part designation S2L 3.5/16/90G 3.5SN OR

Version PCB plug-in connector, Male connectors, Soldered

connection, Pitch: 3.50 mm, No. of poles: 16, 90°,

Box

EAN 4032248036837

Qty. 50 pc(s).

System parameters

Fitted to PCB Soldered connection 90° Outgoing elbow Pitch 3.5 mm Pitch in inch 0.138 inch No. of poles 16 Solder pin length 3.5 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 24.5 mm L1 in inch 0.965 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	PBT
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	Illa
Flammability class UL 94	V-0
CTI	>= 200
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	80 V
severity III/3	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity III/3	40.00
Rated voltage for overvoltage class/pollution	125 V
severity III/2	2.5.14
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2.5 kV
Rated voltage for overvoltage class/pollution	250 V
severity II/2	230 V
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity II/2	2.0 KV
Short-time withstand current resistance	3 x 1s with 77 A
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CSA rating data	
Rated voltage (Use group D)	50 V
Rated current (Use group D)	5 A
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UL 1059 rating data	
Rated voltage (Use group D)	150 V
Rated current (Use group D)	7 A

Approvals

Approvals institutes



Downloads	
CAD Library (P-CAD Format - Standard)	S2L-SMT.LIB
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.		
1727830000	S2L 3.5/6/90G 3.5SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1727990000	S2L 3.5/6/90G 3.5SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1755360000	S2L 3.5/6/90G 3.5AU OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1755520000	S2L 3.5/6/90G 3.5AU SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1727840000	S2L 3.5/8/90G 3.5SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1728000000	S2L 3.5/8/90G 3.5SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1755370000	S2L 3.5/8/90G 3.5AU OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1727850000	S2L 3.5/10/90G 3.5SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box
1728010000	S2L 3.5/10/90G 3.5SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box
1727860000	S2L 3.5/12/90G 3.5SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1728020000	S2L 3.5/12/90G 3.5SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1755390000	S2L 3.5/12/90G 3.5AU OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1727870000	S2L 3.5/14/90G 3.5SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box
1728030000	S2L 3.5/14/90G 3.5SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box
1755400000	S2L 3.5/14/90G 3.5AU OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box
1755560000	S2L 3.5/14/90G 3.5AU SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box
1728040000	S2L 3.5/16/90G 3.5SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box
1755410000	S2L 3.5/16/90G 3.5AU OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box
1755570000	S2L 3.5/16/90G 3.5AU SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box
1727890000	S2L 3.5/18/90G 3.5SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box
1728050000	S2L 3.5/18/90G 3.5SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box
1755420000	S2L 3.5/18/90G 3.5AU OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box
1727900000	S2L 3.5/20/90G 3.5SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box
1728060000	S2L 3.5/20/90G 3.5SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box



1755430000 S2L 3.5/20/90G 3.5AU OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Box
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1727920000 S2L 3.5/24/90G 3.5SN OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box
1728080000 S2L 3.5/24/90G 3.5SN SW PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box
1727930000 S2L 3.5/26/90G 3.5SN OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 26, 90°, Box
1728090000 S2L 3.5/26/90G 3.5SN SW PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 26, 90°, Box
1755620000 S2L 3.5/26/90G 3.5AU SW PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 26, 90°, Box
1727940000 S2L 3.5/28/90G 3.5SN OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 90°, Box
1728100000 S2L 3.5/28/90G 3.5SN SW PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 90°, Box
1727950000 S2L 3.5/30/90G 3.5SN OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 30, 90°, Box
1728110000 S2L 3.5/30/90G 3.5SN SW PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 30, 90°, Box
1755480000 S2L 3.5/30/90G 3.5AU OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 30, 90°, Box
1727960000 S2L 3.5/32/90G 3.5SN OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 90°, Box
1728120000 S2L 3.5/32/90G 3.5SN SW PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 90°, Box
1755490000 S2L 3.5/32/90G 3.5AU OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 90°, Box
1727970000 S2L 3.5/34/90G 3.5SN OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 34, 90°, Box
1727980000 S2L 3.5/36/90G 3.5SN OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 36, 90°, Box