



General ordering data

Order No.	1841960000
Part designation	SL-SMT3.5/13/90LF 3.2SN SW BOX
Version	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 13, 90°, Box
EAN	4032248353316
Qty.	50 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	13
Solder pin length	3.2 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	42 mm
L1 in inch	1.654 inch
Insulation resistance	1 MΩ
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

Material data

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



Approvals

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
1804940000	SL-SMT3.5/2/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 90°, Box
1841860000	SL-SMT3.5/2/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 90°, Box
1804950000	SL-SMT3.5/3/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 90°, Box
1841870000	SL-SMT3.5/3/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 90°, Box
1804960000	SL-SMT3.5/4/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Box
1841880000	SL-SMT3.5/4/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Box
1804970000	SL-SMT3.5/5/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 90°, Box
1841890000	SL-SMT3.5/5/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 90°, Box
1804980000	SL-SMT3.5/6/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1841900000	SL-SMT3.5/6/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box
1804990000	SL-SMT3.5/7/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 90°, Box
1841910000	SL-SMT3.5/7/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 90°, Box
1805000000	SL-SMT3.5/8/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1841920000	SL-SMT3.5/8/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box
1805010000	SL-SMT3.5/9/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 90°, Box
1841930000	SL-SMT3.5/9/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 90°, Box
1805020000	SL-SMT3.5/10/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box

1841940000	SL-SMT3.5/10/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box
1805030000	SL-SMT3.5/11/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 11, 90°, Box
1841950000	SL-SMT3.5/11/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 11, 90°, Box
1805040000	SL-SMT3.5/12/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1804340000	SL-SMT3.5/12/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box
1805050000	SL-SMT3.5/13/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 13, 90°, Box
1805060000	SL-SMT3.5/14/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box
1841970000	SL-SMT3.5/14/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box
1805070000	SL-SMT3.5/15/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 15, 90°, Box
1841980000	SL-SMT3.5/15/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 15, 90°, Box
1805080000	SL-SMT3.5/16/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box
1841990000	SL-SMT3.5/16/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box
1805090000	SL-SMT3.5/17/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 17, 90°, Box
1842000000	SL-SMT3.5/17/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 17, 90°, Box
1805100000	SL-SMT3.5/18/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box
1842010000	SL-SMT3.5/18/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box
1805110000	SL-SMT3.5/19/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 19, 90°, Box
1842020000	SL-SMT3.5/19/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 19, 90°, Box
1805120000	SL-SMT3.5/20/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box
1842030000	SL-SMT3.5/20/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box
1805130000	SL-SMT3.5/21/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 21, 90°, Box
1842040000	SL-SMT3.5/21/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 21, 90°, Box
1805140000	SL-SMT3.5/22/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Box
1842050000	SL-SMT3.5/22/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Box
1805150000	SL-SMT3.5/23/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 23, 90°, Box
1842060000	SL-SMT3.5/23/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 23, 90°, Box

1805160000	SL-SMT3.5/24/90LF 1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box
1842070000	SL-SMT3.5/24/90LF 3.2SN SW BOX	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box