



General ordering data

Order No.	1978500000
Part designation	SC-SMT 3.81/14/135LF 1.5 SN SW
Version	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 135°, Box
EAN	4032248686186
Qty.	50 pc(s).

System parameters

Fitted to PCB	Reflow solder connection
Outgoing elbow	135°
Pitch	3.81 mm
Pitch in inch	0.15 inch
No. of poles	14
Solder pin length	1.5 mm
Can be coded	Yes
No. of rows	1
No. of solder pins per pole	1
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	49.53 mm
L1 in inch	1.95 inch
Insulation resistance	1 MΩ
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger 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
Contact base material	Copper alloy

Material data

Contact surface	tinned
Constant operating temp., min.	-25 °C
Constant operating temp., max.	120 °C
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Max. relative humidity during storage	85 %

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	14.5 A
Rated current, min. No. pins(Tu=40°C)	12 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 76 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



Classifications

eClass 5.1	27-26-07-04
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Similar products

Order No.	Part designation	Version
1978230000	SC-SMT 3.81/02/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 2, 135°, Box
1978080000	SC-SMT 3.81/02/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 2, 135°, Box

1978380000	SC-SMT 3.81/02/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 2, 135°, Box
1978240000	SC-SMT 3.81/03/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 3, 135°, Box
1978090000	SC-SMT 3.81/03/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 3, 135°, Box
1978390000	SC-SMT 3.81/03/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 3, 135°, Box
1978250000	SC-SMT 3.81/04/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 135°, Box
1978100000	SC-SMT 3.81/04/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 135°, Box
1978400000	SC-SMT 3.81/04/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 135°, Box
1978260000	SC-SMT 3.81/05/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 5, 135°, Box
1978110000	SC-SMT 3.81/05/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 5, 135°, Box
1978410000	SC-SMT 3.81/05/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 5, 135°, Box
1978270000	SC-SMT 3.81/06/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 135°, Box
1978120000	SC-SMT 3.81/06/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 135°, Box
1978420000	SC-SMT 3.81/06/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 135°, Box
1978280000	SC-SMT 3.81/07/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 7, 135°, Box
1978130000	SC-SMT 3.81/07/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 7, 135°, Box
1978430000	SC-SMT 3.81/07/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 7, 135°, Box
1978290000	SC-SMT 3.81/08/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 135°, Box
1978140000	SC-SMT 3.81/08/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 135°, Box
1978440000	SC-SMT 3.81/08/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 135°, Box
1978300000	SC-SMT 3.81/09/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 9, 135°, Box
1978150000	SC-SMT 3.81/09/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 9, 135°, Box
1978450000	SC-SMT 3.81/09/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 9, 135°, Box
1978310000	SC-SMT 3.81/10/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 135°, Box
1978160000	SC-SMT 3.81/10/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 135°, Box
1978460000	SC-SMT 3.81/10/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 135°, Box
1978320000	SC-SMT 3.81/11/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 11, 135°, Box

1978170000	SC-SMT 3.81/11/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 11, 135°, Box
1978470000	SC-SMT 3.81/11/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 11, 135°, Box
1978330000	SC-SMT 3.81/12/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 135°, Box
1978180000	SC-SMT 3.81/12/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 135°, Box
1978480000	SC-SMT 3.81/12/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 135°, Box
1978340000	SC-SMT 3.81/13/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 13, 135°, Box
1978190000	SC-SMT 3.81/13/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 13, 135°, Box
1978490000	SC-SMT 3.81/13/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 13, 135°, Box
1978350000	SC-SMT 3.81/14/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 135°, Box
1978200000	SC-SMT 3.81/14/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 135°, Box
1978360000	SC-SMT 3.81/15/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 15, 135°, Box
1978210000	SC-SMT 3.81/15/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 15, 135°, Box
1978510000	SC-SMT 3.81/15/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 15, 135°, Box
1978370000	SC-SMT 3.81/16/135LF 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 135°, Box
1978220000	SC-SMT 3.81/16/135LF 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 135°, Box
1978520000	SC-SMT 3.81/16/135LF 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 135°, Box