

SEK-19 SV HT MA STD STR29 50P PL2 KINK



Image is for illustration purposes only. Please refer to product description.

Part number	09 19 550 6024
Specification	SEK-19 SV HT MA STD STR29 50P PL2 KINK

Identification

Category	Connectors
Series	SEK Standard
Element	Male connector
Description of the contact	Straight Kinked

Version

Termination method	Reflow soldering termination (THR)
Connection type	PCB to cable
Number of contacts	50
Termination length	2.9 mm

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	$>10^9 \Omega$
Contact resistance	$\leq 20 \text{ m}\Omega$
Limiting temperature	-55 ... +125 °C (during reflow soldering max. +240 °C for 60 s)
Insertion and withdrawal force	$\leq 100 \text{ N}$
Performance level	2 acc. to IEC 60603-13
Mating cycles	≥ 250



Pushing Performance
Since 1945

Technical characteristics

Test voltage $U_{r.m.s.}$	1 kV
Isolation group	II ($400 \leq CTI < 600$)
PCB thickness	1.5 mm +0.44

Material properties

Material (insert)	Thermoplastic resin (PCT)
Colour (insert)	Beige
Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni Mating side Sn over Ni Termination side
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
Requirement set with Hazard Levels	R26

Specifications and approvals

Specifications	IEC 60603-13
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079

Commercial data

Packaging size	50
Net weight	15.3 g
Country of origin	Romania
European customs tariff number	85366990
eCl@ss	27460201 PCB connector (board connector)

Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



- ① Temperature raise
- ② Derating curve
- ③ Derating curve 80%

Cross section of solder termination

