

SEK-19 SV HT MA LP ANG29 06P PL2



Part number	09 19 506 6323
Specification	SEK-19 SV HT MA LP ANG29 06P PL2
HARTING eCatalogue	https://b2b.harting.com/09195066323

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

Identification

Category	Connectors
Series	SEK Low-profile
Element	Male connector
Description of the contact	Angled

Version

Termination method	Reflow soldering termination (THR)
Connection type	PCB to cable Motherboard to daughtercard
Number of contacts	6
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 Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C (during reflow soldering max. +240 °C for 60 s)
Insertion and withdrawal force	≤12 N
Performance level	2 acc. to IEC 60603-13
Mating cycles	≥250

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Technical characteristics

Test voltage U _{r.m.s.} 1 kV Isolation group II (400 ≤ CTI < 600) Isolation group II (400 ≤ CTI < 600) Material properties 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 RetHS compliant ELV status compliant China RoHS e REACH Annex XVII substances Not contained REACH ANNEX XIV substances Not contained REACH SVHC substances Yes California Proposition 65 substances Kead Requirement set with Hazard Levels R26		
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 SVHC substances Not contained REACH SVHC substances Yes California Proposition 65 substances Yes California Proposition 65 substances Lead Nickel	Test voltage U _{r.m.s.}	1 kV
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California Proposition 65 substances Lead Nickel	REACH SVHC substances	Not contained
California Proposition 65 substances Nickel	California Proposition 65 substances	Yes
Requirement set with Hazard Levels R26	California Proposition 65 substances	
	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	100
Net weight	2.45 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140211780
eCl@ss	27460201 PCB connector (board connector)

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Product data sheet 09 19 506 6323 SEK-19 SV HT MA LP ANG29 06P PL2

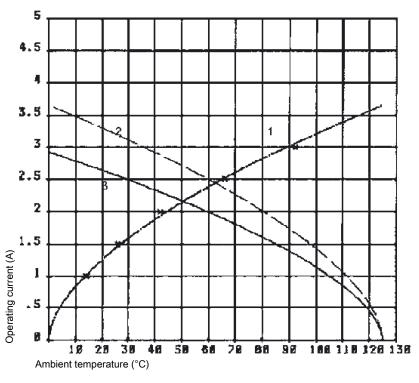


Since 1945

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 (nonintermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

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

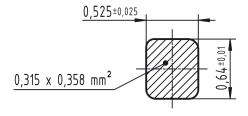


① Temperature raise

Derating curve

③ Derating curve 80%

Cross section of solder termination



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