

# SEK-18 SV MA LP ANG29 50P PLS4



Part number	09 18 550 5323
Specification	SEK-18 SV MA LP ANG29 50P PLS4
HARTING eCatalogue	https://b2b.harting.com/09185505323

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	Wave soldering termination
Connection type	PCB to cable Motherboard to daughtercard
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 <sup>9</sup> Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C
Insertion force	≤100 N
Withdrawal force	≤100 N
Performance level	NM 30 (S4)
Mating cycles	≥250

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## Technical characteristics

Test voltage U <sub>r.m.s.</sub>	1 kV
Isolation group	IIIa (175 ≤ CTI < 400)
Material properties	
Material (insert)	Thermoplastic resin (PBT)
Colour (insert)	Grey
Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni Mating side Sn over Ni Termination side
Layer thickness	≥0.76 µm
Layer thickness	≥30 µinch
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
California Proposition 65 substances	Yes
California Proposition 65 substances	Antimony trioxide Lead Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08)
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
Railway classification	F3/I3
Commercial data	
Packaging size	50
Net weight	9.85 g
Country of origin	Romania
county of origin	

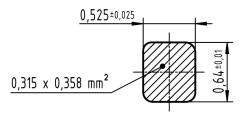
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# Commercial data

European customs tariff number	85366990
GTIN	5713140033764
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)

Cross section of solder termination



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