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Pushing Performance
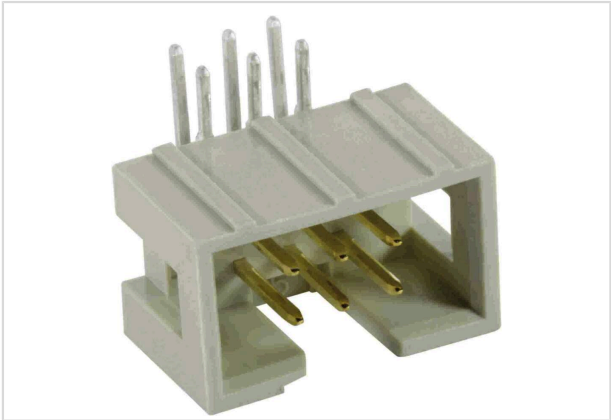Since 1945

SEK-18 SV MA LP ANG29 20P PL3

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

Part number	09 18 520 7323
Specification	SEK-18 SV MA LP ANG29 20P PL3
HARTING eCatalogue	https://harting.com/09185207323

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	20
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
Insertion force	≤60 N
Withdrawal force	≤60 N
Performance level	3 acc. to IEC 60603-13
Mating cycles	≥50

Page 1 / 3 | Creation date 2026-02-06 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.
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Technical characteristics

Test voltage $U_{r.m.s.}$	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
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	Lead Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08) + A1 (2023-10)
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	100
Net weight	4.582 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140030138
eCl@ss	27460201 PCB connector (board connector)

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ETIM	EC002637
UNSPSC 24.0	39121415

Cross section of solder termination

$0.525^{\pm0,025}$

$0.64^{\pm0,01}$

$0.315 \times 0.358 \text{ mm}^2$

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