Pushing Performance
Since 1945

SEK-18 SV MA STD STR45 10P PL3

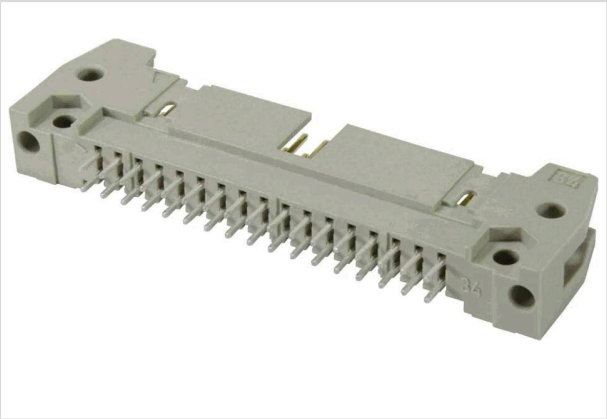


Image is for illustration purposes only. Please refer to product description.

Part number	09 18 510 7922
Specification	SEK-18 SV MA STD STR45 10P PL3
HARTING eCatalogue	https://harting.com/09185107922

Identification

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

Version

Termination method	Wave soldering termination
Connection type	PCB to cable
Number of contacts	10
Termination length	4.5 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	≤30 N
Withdrawal force	≤30 N
Performance level	3 acc. to IEC 60603-13
Mating cycles	≥50

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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	5.97 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140027619
eCl@ss	27460201 PCB connector (board connector)

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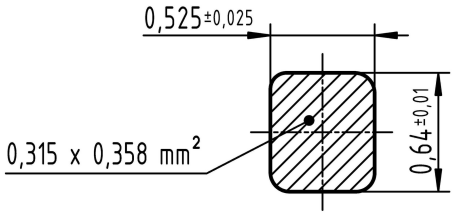
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Commercial data

ETIM	EC002637
UNSPSC 24.0	39121415

Cross section of solder termination



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