

SEK-18 SV MA LP ANG45 10P PLS4

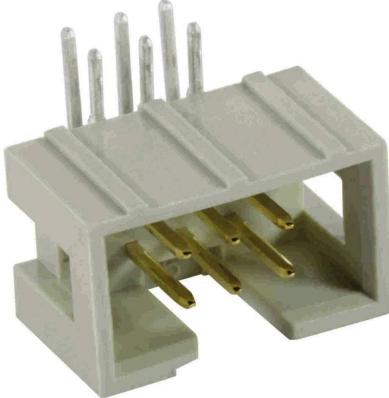


Image is for illustration purposes only. Please refer to product description.

| | |
|--------------------|-------------------------------------------------------------------------------|
| Part number | 09 18 510 5321 |
| Specification | SEK-18 SV MA LP ANG45 10P PLS4 |
| HARTING eCatalogue | https://harting.com/09185105321 |

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 | 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 | ≤20 N |
| Withdrawal force | ≤20 N |
| Performance level | NM 30 (S4) |
| Mating cycles | ≥250 |

Technical characteristics

| | |
|---------------------------|-------------------------------|
| Test voltage $U_{r.m.s.}$ | 1 kV |
| Isolation group | IIIa ($175 \leq CTI < 400$) |

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 | $\geq 0.76 \mu\text{m}$ |
| Layer thickness | $\geq 30 \mu\text{inch}$ |
| Material flammability class acc. to UL 94 | V-0 |
| RoHS | compliant with exemption |
| RoHS exemptions | 6(c): Copper alloy containing up to 4 % lead by weight |
| ELV status | compliant with exemption |
| China RoHS | 50 |
| REACH Annex XVII substances | Not contained |
| REACH ANNEX XIV substances | Not contained |
| REACH SVHC substances | Yes |
| REACH SVHC substances | Lead |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Lead |
| 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 | 100 |
| Net weight | 1.8 g |
| Country of origin | Romania |

Page 2 / 3 | Creation date 2025-05-03 | 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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Commercial data

| | |
|--------------------------------|------------------------------------------|
| European customs tariff number | 85366990 |
| GTIN | 5713140026681 |
| eCl@ss | 27460201 PCB connector (board connector) |
| ETIM | EC002637 |
| UNSPSC 24.0 | 39121415 |

Cross section of solder termination

