

SEK-19 SV MA STD STR29 10P PLS4 KINK

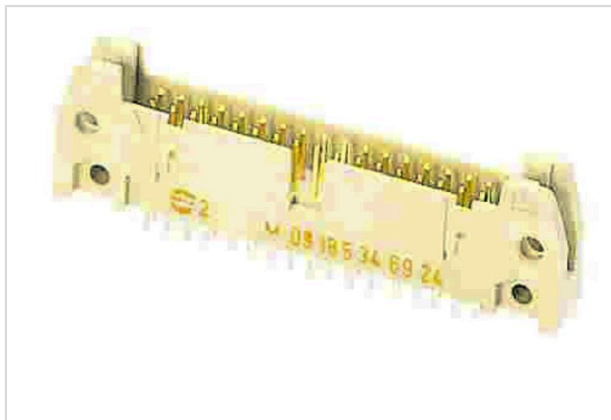


Image is for illustration purposes only. Please refer to product description.

| | |
|---------------|--------------------------------------|
| Part number | 09 19 510 5024 |
| Specification | SEK-19 SV MA STD STR29 10P PLS4 KINK |

Identification

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

Version

| | |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (THR) |
| Connection type | PCB to cable |
| Number of contacts | 10 |
| Termination length | 2.9 mm |

Technical characteristics

| | |
|------------------------------------|---|
| Contact rows | 2 |
| Contact spacing (termination side) | 2.54 mm |
| Rated current | 1 A |
| Insulation resistance | $>10^9 \Omega$ |
| Contact resistance | $\leq 20 \text{ m}\Omega$ |
| Limiting temperature | -55 ... +125 °C (during reflow soldering max. +240 °C for 60 s) |
| Performance level | NM 30 (S4) |
| Mating cycles | ≥ 250 |
| Test voltage $U_{r.m.s.}$ | 1 kV |
| Isolation group | II ($400 \leq \text{CTI} < 600$) |



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Technical characteristics

| | |
|---------------|--------------|
| PCB thickness | 1.5 mm +0.44 |
|---------------|--------------|

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 |
| 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 |
| 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 |

Commercial data

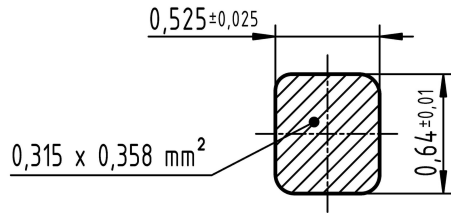
| | |
|----------------|--|
| Packaging size | 1 |
| ETIM | EC002637 |
| eCl@ss | 27460201 PCB connector (board connector) |

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Cross section of solder termination



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