

SEK-19 SV HT MA LP STR29 20P PL3

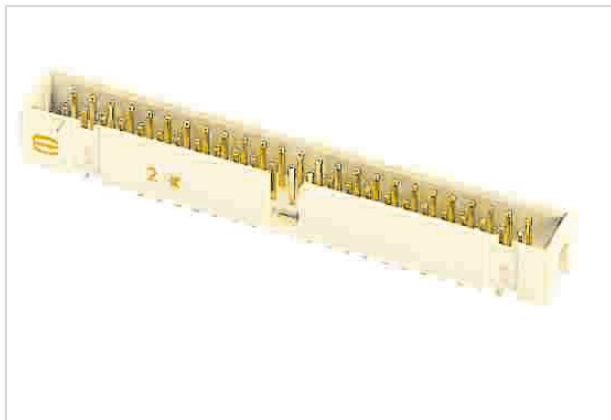


Image is for illustration purposes only. Please refer to product description.

| | |
|--------------------|---------------------------------------------------------------------------------------|
| Part number | 09 19 520 7324 |
| Specification | SEK-19 SV HT MA LP STR29 20P PL3 |
| HARTING eCatalogue | https://b2b.harting.com/09195207324 |

Identification

| | |
|----------------------------|-----------------|
| Category | Connectors |
| Series | SEK Low-profile |
| Element | Male connector |
| Description of the contact | Straight |

Version

| | |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (THR) |
| Connection type | PCB to cable PCB to PCB |
| 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 | $>10^9 \Omega$ |
| Contact resistance | $\leq 20 \text{ m}\Omega$ |
| Limiting temperature | -55 ... +125 °C (during reflow soldering max. +240 °C for 60 s) |
| Insertion and withdrawal force | $\leq 60 \text{ N}$ |
| Performance level | 3 acc. to IEC 60603-13 |
| Mating cycles | ≥ 50 |



Pushing Performance
Since 1945

Technical characteristics

| | |
|---------------------------|-----------------------------|
| Test voltage $U_{r.m.s.}$ | 1 kV |
| Isolation group | II ($400 \leq CTI < 600$) |

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 |
| 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 |
| 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 | 100 |
| Net weight | 2.54 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140037205 |
| eCl@ss | 27460201 PCB connector (board connector) |

Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



- ① Temperature raise
- ② Derating curve
- ③ Derating curve 80%

Cross section of solder termination

