



Pushing Performance
Since 1945

SEK-18 SV MA LP ANG45 50P PL2

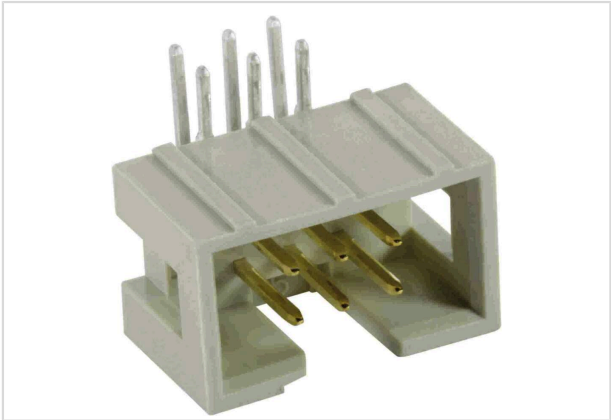


Image is for illustration purposes only. Please refer to product description.

| | |
|--------------------|---|
| Part number | 09 18 550 6321 |
| Specification | SEK-18 SV MA LP ANG45 50P PL2 |
| HARTING eCatalogue | https://b2b.harting.com/09185506321 |

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 | 50 |
| Termination length | 4.5 mm |

Technical characteristics

| | |
|------------------------------------|---------------------------|
| Contact rows | 2 |
| Contact spacing (termination side) | 2.54 mm |
| Rated current | 1 A |
| Insulation resistance | $>10^9 \Omega$ |
| Contact resistance | $\leq 20 \text{ m}\Omega$ |
| Limiting temperature | -55 ... +125 °C |
| Insertion force | $\leq 100 \text{ N}$ |
| Withdrawal force | $\leq 100 \text{ N}$ |
| Performance level | 2 acc. to IEC 60603-13 |
| Mating cycles | ≥ 250 |



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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 |
| 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 | Antimony trioxide Lead Nickel |
| 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 | 50 |
| Net weight | 10.02 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140034044 |

Commercial data

ETIM

EC002637

eCl@ss

27460201 PCB connector (board connector)

Cross section of solder termination



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