

## SEK-18 SV MA LP STR29 06P PL2

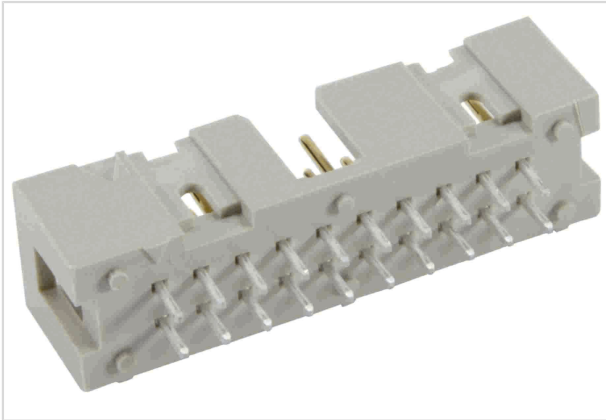


Image is for illustration purposes only. Please refer to product description.

Part number	09 18 506 6324
Specification	SEK-18 SV MA LP STR29 06P PL2
HARTING eCatalogue	<a href="https://b2b.harting.com/09185066324">https://b2b.harting.com/09185066324</a>

### Identification

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

### Version

Termination method	Wave soldering termination
Connection type	PCB to cable PCB to PCB
Number of contacts	6
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
Insertion and withdrawal force	$\leq 12 \text{ N}$
Performance level	2 acc. to IEC 60603-13
Mating cycles	$\geq 250$



Pushing Performance  
Since 1945

## 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
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	2 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140026117

## Commercial data

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.

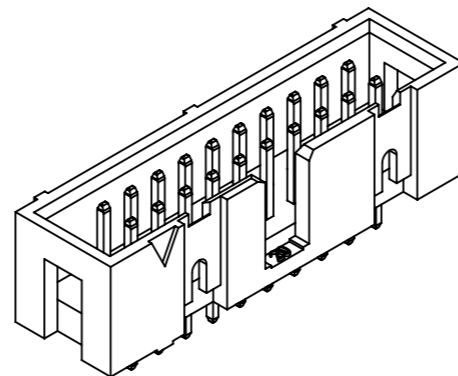
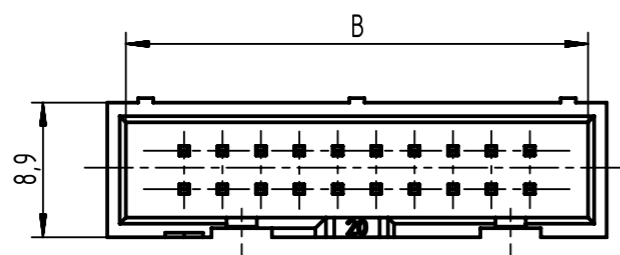
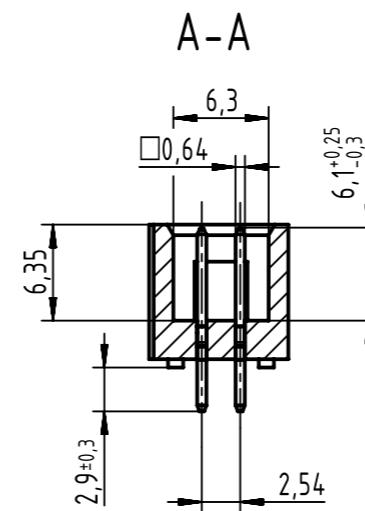
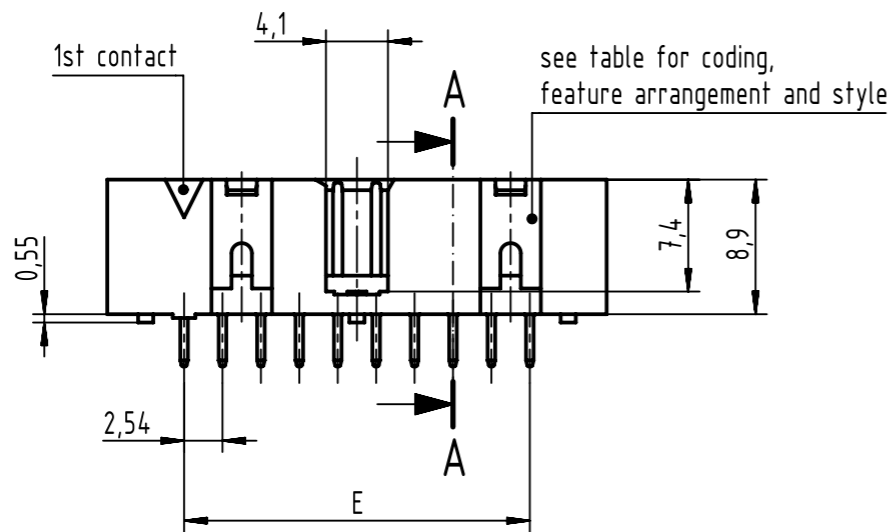
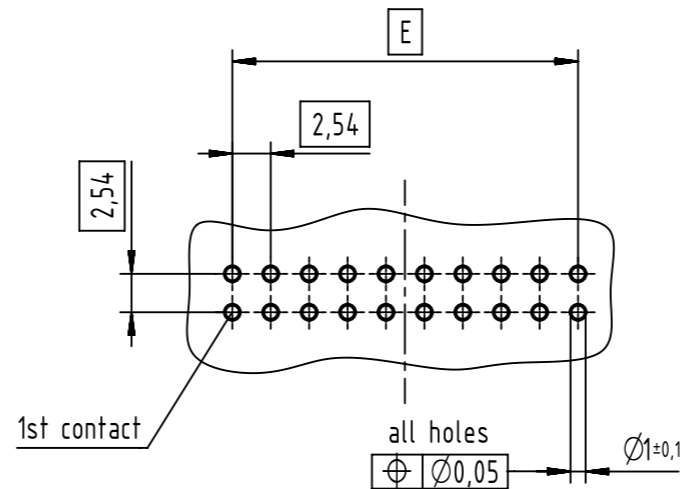
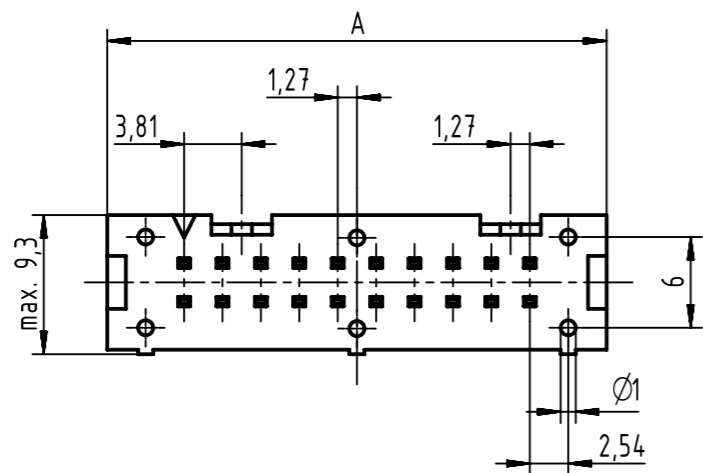
Measuring and testing techniques acc. to IEC 60512-5-2



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

### Cross section of solder termination






further more information  
see DS 09181100001  
full range of P/N's and  
dimensions shown on page 2/2

coding style table	
	style A: for connectors 6-pole
	style B: for connectors from 10 to 14-pole
	style C: for connectors from 16 to 64-pole

	All Dimensions in mm Original Size DIN A3	Scale 2:1	Free size tol. IEC 60603-13	Ref. Sub. TB 09185XXX324 / 500000068837 / 2014-05-16	
	All rights reserved Department EC PD - DE	Created by STORCK	Inspected by LEHNERT	Standardisation HOFFMANN	Date 2015-12-07
HARTING Electronics GmbH D-32339 Espelkamp		Title SEK 18 male low profile straight solder 2.9			Doc-Key / ECM-Nr. 100154466/UGD/008/A 50000094890
		Type TB	Number 09185XXX324		Rev. A Page 1/2

performance level				insulator colour	dimensions			
no. of contacts	PL3 part number	PL2 part number	S4 part number		A max.	B	E	
06	09 18 506 7324	09 18 506 6324	09 18 506 5324	grey	15,4	12,78	2,54 x 2 = 5,08	
10	09 18 510 7324	09 18 510 6324	09 18 510 5324		20,5	17,86	2,54 x 4 = 10,16	
14	09 18 514 7324	09 18 514 6324	09 18 514 5324		25,6	22,94	2,54 x 6 = 15,24	
16	09 18 516 7324	09 18 516 6324	09 18 516 5324		28,1	25,48	2,54 x 7 = 17,78	
20	09 18 520 7324	09 18 520 6324	09 18 520 5324		33,2	30,56	2,54 x 9 = 22,86	
26	09 18 526 7324	09 18 526 6324	09 18 526 5324		40,8	38,18	2,54 x 12 = 30,48	
30	09 18 530 7324	09 18 530 6324	09 18 530 5324		45,9	43,26	2,54 x 14 = 35,56	
34	09 18 534 7324	09 18 534 6324	09 18 534 5324		51,0	48,34	2,54 x 16 = 40,64	
40	09 18 540 7324	09 18 540 6324	09 18 540 5324		58,6	55,96	2,54 x 19 = 48,26	
50	09 18 550 7324	09 18 550 6324	09 18 550 5324		71,5	68,66	2,54 x 24 = 60,96	
60	09 18 560 7324	09 18 560 6324	09 18 560 5324		84,2	81,36	2,54 x 29 = 73,66	
64	09 18 564 7324	09 18 564 6324	09 18 564 5324		89,3	86,44	2,54 x 31 = 78,74	
06	09 18 506 7324 001	09 18 506 6324 001	09 18 506 5324 001		black	15,4	12,78	2,54 x 2 = 5,08
10	09 18 510 7324 001	09 18 510 6324 001	09 18 510 5324 001			20,5	17,86	2,54 x 4 = 10,16
14	09 18 514 7324 001	09 18 514 6324 001	09 18 514 5324 001	25,6		22,94	2,54 x 6 = 15,24	
16	09 18 516 7324 001	09 18 516 6324 001	09 18 516 5324 001	28,1		25,48	2,54 x 7 = 17,78	
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