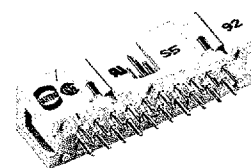
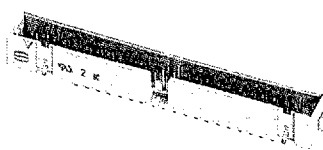


# SEK 18

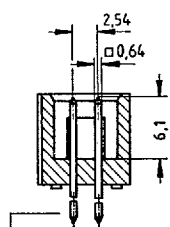
Number of contacts

# 6-64



## Low-profile male header, straight solder pins

Identification/pins	No. of contacts	Part No.	Drawing	Dimensions in mm		
				No. of contacts	A	B
Male header with straight solder pins Length: 2.9 mm	6	09 18 506 □ 324	6	15.2	12.78	2.54 x 2 = 5.08
	10	09 18 510 □ 324	10	20.3	17.86	2.54 x 4 = 10.16
	14	09 18 514 □ 324	14	25.4	22.94	2.54 x 6 = 15.24
	16	09 18 516 □ 324	16	27.9	25.48	2.54 x 7 = 17.78
	20	09 18 520 □ 324	20	33.0	30.56	2.54 x 9 = 22.86
	26	09 18 526 □ 324	26	40.6	38.18	2.54 x 12 = 30.48
	34	09 18 534 □ 324	34	50.8	48.34	2.54 x 16 = 40.64
	40	09 18 540 □ 324	40	58.4	55.96	2.54 x 19 = 48.26
	50	09 18 550 □ 324	50	71.3	68.66	2.54 x 24 = 60.96
	60	09 18 560 □ 324	60	84.0	81.36	2.54 x 29 = 73.66
	64	09 18 564 □ 324	64	89.1	86.44	2.54 x 31 = 78.74



- a) Solder pins for 0.9 mm dia. hole
- b) Press-in pins for 1.0 mm dia. hole

## Male header with straight solder pins

Length: 2.9 mm

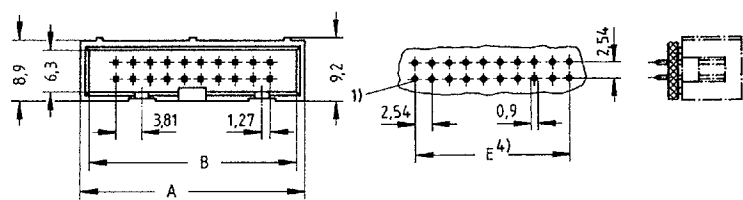
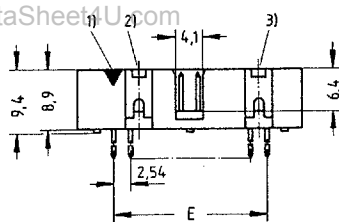
High temperature version

**New**

This version is compatible with surface mount assembly. They can withstand vapour phase and infra red reflow soldering temperatures.

6	09 19 506 □ 324*
10	09 19 510 □ 324*
14	09 19 514 □ 324*
16	09 19 516 □ 324*
20	09 19 520 □ 324*
26	09 19 526 □ 324*
34	09 19 534 □ 324*
40	09 19 540 □ 324*
50	09 19 550 □ 324*
60	09 19 560 □ 324*
64	09 19 564 □ 324*

DataSheet4U.com



## Male header with straight solder pins

Length: 4.5 mm

6	09 18 506 □ 322*
10	09 18 510 □ 322*
14	09 18 514 □ 322*
16	09 18 516 □ 322*
20	09 18 520 □ 322*
26	09 18 526 □ 322*
34	09 18 534 □ 322*
40	09 18 540 □ 322*
50	09 18 550 □ 322*
60	09 18 560 □ 322*
64	09 18 564 □ 322*

- 1) Contact number 1
- 2) No polarization slot for 6, 10 or 14 way male header
- 3) No polarization slot for 6 way male header
- 4) Pitch tolerance: ± 0.1

# Technical Characteristics

**Number of contacts** 6, 9, 10, 14, 15, 16, 20, 24, 25, 26, 28  
34, 37, 40, 50, 60, 64  
Series SEK 18  
UL/CSA-approved

SEK 18

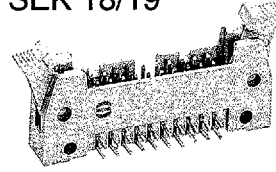


## Pitch

Male header 2.54 mm

Insulation displacement contacts on the flat cable connector 1.27 mm

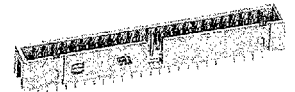
SEK 18/19



**Working current** 1 A

**Test voltage**  $U_{r.m.s.}$  1 kV  
SEK 17, SEK 19 : 500 V

SEK 18/19



**Contact resistance**  $\leq 20 \text{ m}\Omega$

**Insulation resistance**  $\geq 10^9 \Omega$

**Temperature range**  
-55 °C ... + 125 °C  
-55 °C ... + 240 °C (high temperature version)  
-55 °C ... + 105 °C (press-in version)

SEK 18



The maximum temperature includes heating of contacts and ambient temperature.

## Terminations

SEK 18 female connector Insulation displacement connection  
Wire AWG 28 (7 x 0.127) 0.09 mm<sup>2</sup>

SEK 18/19 male header Wrap posts 0.6 x 0.6 mm  
Diagonal 0.79 - 0.86 mm

Solder pins for P.C.B. hole  $\varnothing$  0.9 mm,  
DIN IEC 52 141

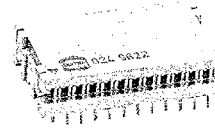
Compliant press-in  
termination for  $\varnothing$  0.94 - 1.06 mm

SEK 17 DIP connector and  
SEK 18/19 transition connectors Insulation displacement connection  
Wire AWG 28 (7 x 0.127) 0.09 mm<sup>2</sup>

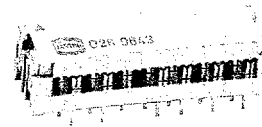
Solder pins 0.45 x 0.35 mm  
for P.C.B. hole 0.8 mm

Gds A-B · Gds A-C  
D-Sub Insulation displacement connection  
Wire AWG 28 (7 x 0.127) 0.09 mm<sup>2</sup>

SEK 17



SEK 19



**Mouldings** Thermoplastic resin (PBTP)  
UL 94-V O  
PCT UL 94-V O (high temperature version)

Gds A-B



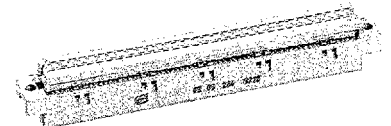
## Contact surface

SEK 18/19 female  
and male connectors Contact zone: gold-plated according  
to Performance Level<sup>1)</sup>  
Termination zone: tinned

SEK 17 DIP connector and  
SEK 18/19 transition connector Tinned

Gds A-B · Gds A-C  
D-Sub Contact zone: gold-plated according  
to Performance Level<sup>1)</sup>  
Termination zone: tinned

Gds A-C



<sup>1)</sup> Performance Level 3 as per DIN 41 651, Part 2  
50 mating cycles · No gas test

<sup>1)</sup> Performance Level 2 as per DIN 41 651, Part 2  
200 mating cycles · 4 days gas test

<sup>1)</sup> Performance Level as per MIL-C 83 503  
> 0.76  $\mu\text{m}$  Au (30  $\mu\text{inch}$ ) on request

Different contact surfaces on request

D-Sub

