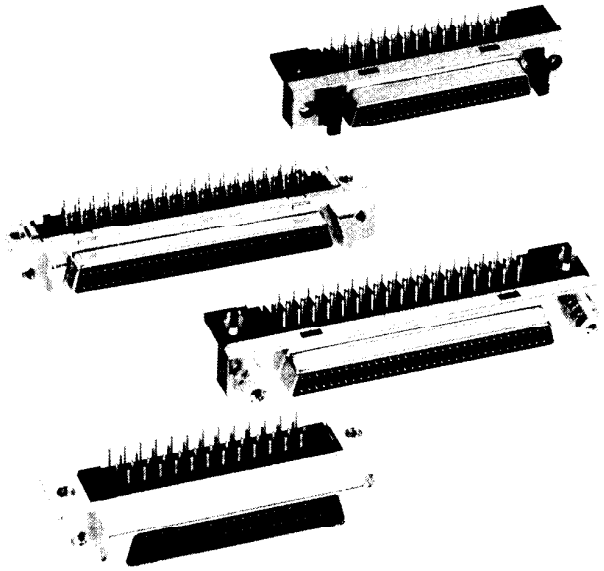
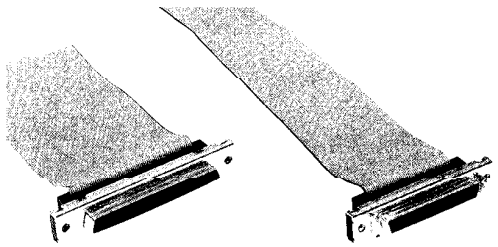
Number of contacts	20, 26, 28, 36, 40, 50, 68, 80, 100
Pitch	1.27 mm
Working current	1 A
Working voltage	240 V ~
Test voltage $U_{r.m.s.}$	750 V
Contact resistance	≤ 30 mΩ
Insulation resistance	≥ 10^3 MΩ
Temperature range	– 55 °C ... + 105 °C



Terminations

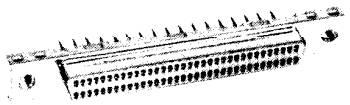
Solder cup	AWG 24 Insulation max. Ø 1 mm
Solder pins	Straight for PCB holes min. Ø 0.74 mm Angled 90° for PCB holes min. Ø 0.74 mm
Insulation displacement	Discret wire AWG 28 to AWG 30 max. section: 0.089 mm² min. section: 0.050 mm² Insulation Ø min. 0.50 mm Ø max. 0.88 mm Flat cable AWG 30 pitch 0.635 mm

Materials



Moulding	Thermoplastic resin glass-fibre filled UL 94-V0 Liquid Christal Polymer (LCP) for SCSI 3, straight
Contacts	Copper alloy
Contact plating	Selectively gold-plated
Metal shell	Die cast zamac or stamped steel, nickel-plated
Hoods	Die cast zamac, nickel-plated Thermoplastic resin nickel-plated, steel insert

Press-in

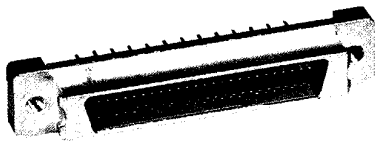


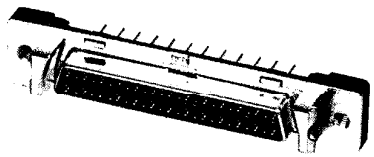
Insertion process	Flat rock
Maximum press-in force per contact	100 N
Minimum push out force per contact	15 N
Number of repairs	2
Recommanded Board characteristics finished hole	Ø 0.6 $^{+0.07}_{-0.05}$ mm
Drilled hole size	Ø 0.7 / 0.74 mm
Cu	30 – 60 µm
Sn	5 – 20 µm
Board thickness	1.6 – 3.2 mm

har:mik® Pin and socket

Number of contacts

20–68



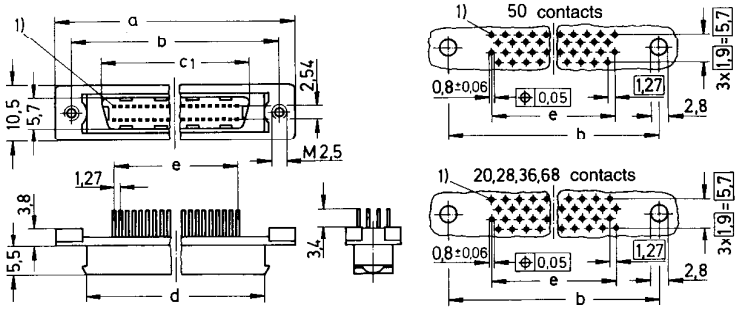


Connector solder pins, straight

Identification	No. of contacts	Part No. Male connector	Part No. Female connector
Male and female connector with straight solder pins	20	60 01 020 5202	60 01 020 5102
	26	60 01 026 5202 *	60 01 026 5102
	28	60 01 028 5202	60 01 028 5102
	36	60 01 036 5202	60 01 036 5102 *
	40	60 01 040 5202 *	60 01 040 5102
	50	60 01 050 5202	60 01 050 5102
	68	60 01 068 5202	60 01 068 5102

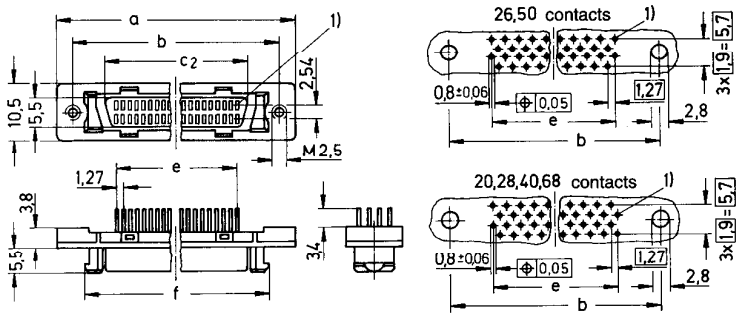
Male connector

Dimensions in mm

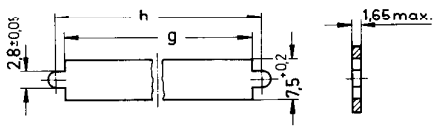


	a	$b_{\pm 0.1}$	c_1	c_2	d	e	f	g	h
20	33.40	27.43	15.80	15.60	21.60	9 x 1.27 = 11.43	23.24	23.70	27.45
26	37.21	31.24	–	19.41	–	12 x 1.27 = 15.24	27.05	27.50	31.25
28	38.48	32.51	20.88	20.68	26.68	13 x 1.27 = 16.51	28.32	28.80	32.50
36	43.56	37.56	25.96	–	31.76	17 x 1.27 = 21.59	–	33.90	37.60
40	46.10	40.13	–	28.30	–	19 x 1.27 = 24.13	35.94	36.40	40.15
50	52.45	46.48	34.85	34.65	40.65	24 x 1.27 = 30.48	42.29	42.80	46.50
68	63.88	57.91	46.28	46.08	52.08	33 x 1.27 = 41.91	53.72	54.20	57.90

Female connector



Panel cut out

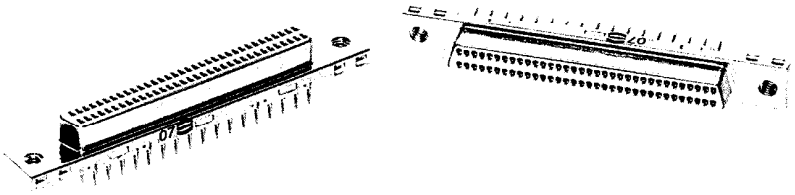


1) Contact number 1

* Not yet developed

Number of contacts

68

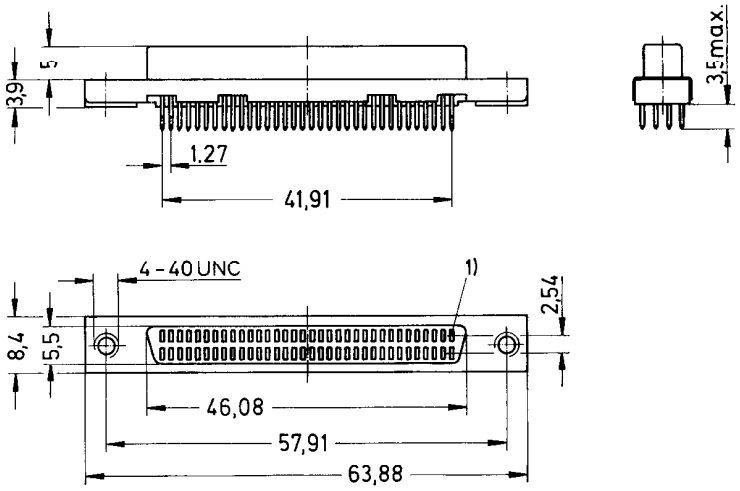


Female connector solder and Press-in pins, straight

Identification	No. of contacts	Part No. Solder	Part No. Press-in
Female connector with straight pins	**68**	60 02 068 5120	60 02 068 5320

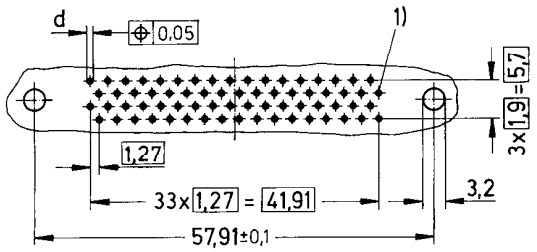
Female connector

Dimensions in mm



Board drillings

(Components side)



	d
Solder	$0.8_{\pm 0.06}$
Press-in	$0.6^{+0.07}_{-0.05}$

1) Contact number 1

Press in recommanded characteristics finished hole: Ø 0.6 $^{+0.07}_{-0.05}$ mm

Drilled hole size: Ø 0.71 / 0.74 mm

Cu: 30–60 µm

Sn: 5–20 µm

Board thickness: 1.6–3.2 mm

Note: Moulding material LCP allowing reflow for SMC process

Tools see page 40