

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  $\leq 30 \text{ m}\Omega$

Insulation resistance  $\geq 10^9 \text{ M}\Omega$

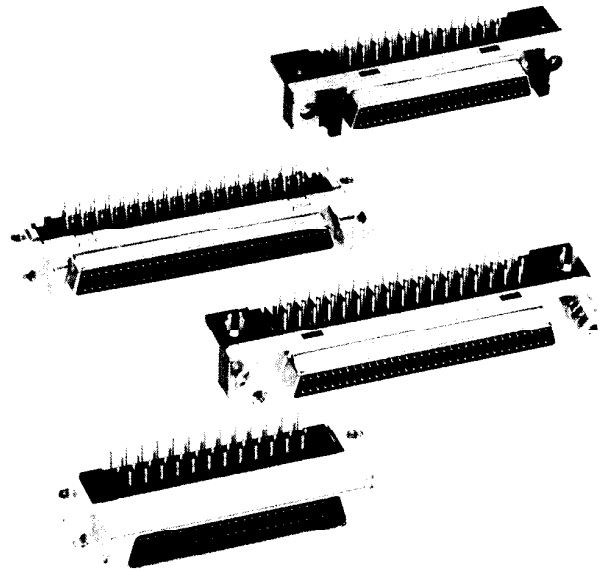
Temperature range  $-55 \text{ }^\circ\text{C} \dots +105 \text{ }^\circ\text{C}$

**Terminations**

Solder cup AWG 24  
Insulation max.  $\varnothing 1 \text{ mm}$

Solder pins Straight for PCB holes  
min.  $\varnothing 0.74 \text{ mm}$   
Angled  $90^\circ$  for PCB holes  
min.  $\varnothing 0.74 \text{ mm}$

Insulation displacement Discret wire  
AWG 28 to AWG 30  
max. section:  $0.089 \text{ mm}^2$   
min. section:  $0.050 \text{ mm}^2$   
Insulation  $\varnothing$  min.  $0.50 \text{ mm}$   
 $\varnothing$  max.  $0.88 \text{ mm}$   
Flat cable  
AWG 30 pitch  $0.635 \text{ mm}$



**Materials**

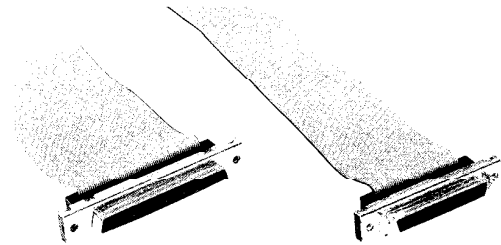
Moulding Thermoplastic resin  
glass-fibre filled UL 94-V0  
Liquid Crystal Polymer (LCP)  
for SCSI 3, straight

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

Recommended Board characteristics finished hole  $\varnothing 0.6 \begin{matrix} +0.07 \\ -0.05 \end{matrix} \text{ mm}$

Drilled hole size  $\varnothing 0.7 / 0.74 \text{ mm}$

Cu 30 – 60  $\mu\text{m}$

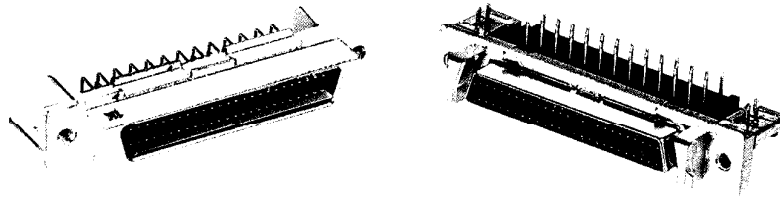
Sn 5 – 20  $\mu\text{m}$

Board thickness 1.6 – 3.2 mm



Number of contacts

# 20-80



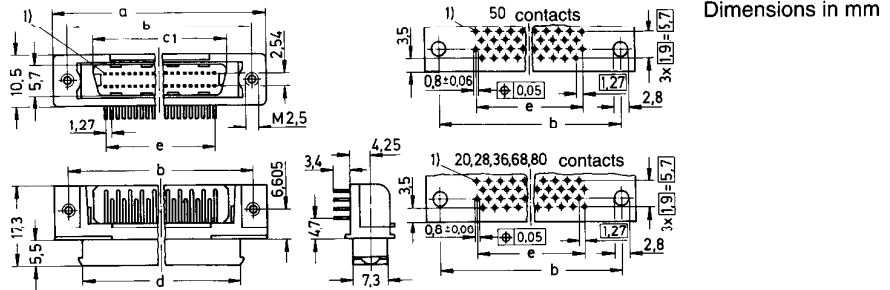
Connector solder pins, angled

Identification		No. of contacts	Part No.
Male and female connector with angled solder pins			Male connector      Female connector
		<b>20</b>	60 01 020 5232      60 01 020 51 ..
		<b>26</b>	60 01 026 5232 *      60 01 026 51 ..
		<b>28</b>	60 01 028 5232      60 01 028 51 ..
		<b>36</b>	60 01 036 5232      60 01 036 51 .. *
		<b>40</b>	60 01 040 5232 ^      60 01 040 51 ..
		<b>50</b>	60 01 050 5232      60 01 050 51 ..
		<b>68</b>	60 01 068 5232      60 01 068 51 ..
		<b>80</b>	60 01 080 5232      60 01 080 51 .. *

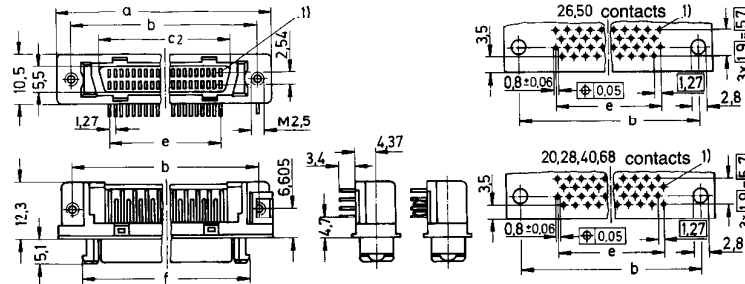
Panel fixing	Board fixing	
M 2.5	M 2.5	32
UNC 2-56	UNC 2-56	33
M 2.5	Board lock	40
UNC 2-56	Board lock	41

Male connector



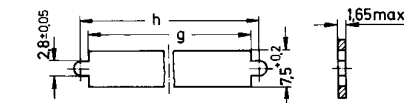
	a	b <sub>±0.1</sub>	c <sub>1</sub>	c <sub>2</sub>	d	e	f	g	h
20	33.40	27.40	15.80	15.60	21.60	9 x 1.27 = 11.43	23.24	23.70	27.45
26	37.21	31.24	-	19.41	-	12 x 1.27 = 15.24	27.05	27.50	31.25
28	38.48	32.48	20.88	20.68	26.68	13 x 1.27 = 16.51	28.32	28.80	32.50
36	43.56	37.56	25.96	-	31.76	17 x 1.27 = 21.59	-	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	46.45	34.85	34.65	40.65	24 x 1.27 = 30.48	42.29	42.80	46.50
68	63.88	57.88	46.28	46.08	52.08	33 x 1.27 = 41.91	53.72	54.20	57.90
80	71.50	65.50	53.90	-	59.70	39 x 1.27 = 49.53	-	61.80	65.55

Female connector



without board lock      with board lock

Panel cut out



1) Contact number 1

\* Not yet developed