

Specifications

Insulation Resistance: 500M Ω min. at 500 V DC
 Withstanding Voltage: 500 V AC rms for 1 minute
 Contact Resistance: 35m Ω max. at 10mA
 Current Rating: 0.5A
 Operating Temp. Range: -55°C to +85°C
 Mating Cycles: 500 insertions

Materials and Finish

Housing: PPS (glass filled), UL 94V-0 rated
 Contacts: Copper Alloy
 Plating: Mating Face Contacts - Gold over Nickel
 Solder Terminals - SnPb over Nickel

Features

- 1.27mm pitch board-to-board connectors
- Low insertion and extraction forces due to bellows type contacts

Part Number (Details)

NDS 050 - 002 - BS

Series (socket)

No. of Leads

Terminal Type:

2 = Right Angle Solder Dip

Contact Plating:

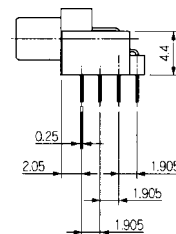
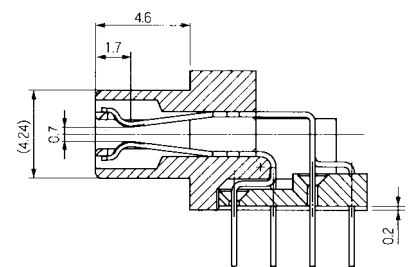
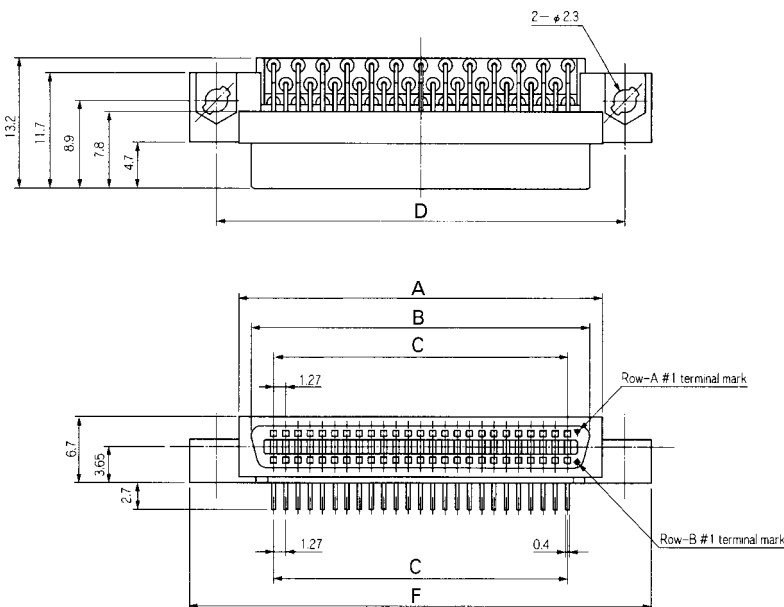
Mating Face - Au (0.3 μ m min.) over Ni (2.5-4.5 μ m)

Solder

Terminals - SnPb (2.0-4.0 μ m) over Ni (2.5-4.5 μ m)

Applicable Dimensions (Reference Only)

Contact Details

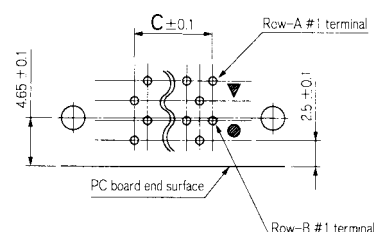
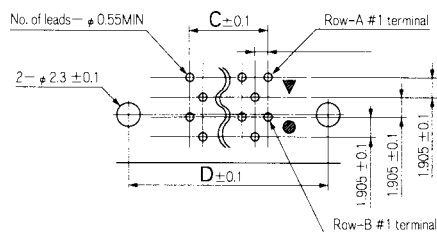


Recommended PCB Layout

Top View

For 50 Leads only

For All Other Leads



Part Number	No. of Leads	A	B	C	D	E
NDS036-002-BS	36	28.75	26.17	21.59	33.43	38.93
NDS040-002-BS	40	31.29	28.71	24.13	35.97	41.47
NDS050-002-BS	50	37.64	35.06	30.48	42.32	47.82
NDS060-002-BS	60	43.99	41.41	36.83	48.67	54.17
NDS068-002-BS	68	49.07	46.49	41.91	53.75	59.25

Part Number	No. of Leads	A	B	C	D	E
NDS080-002-BS	80	56.69	54.11	49.53	61.37	66.87
NDS100-002-BS	100	69.39	66.81	62.23	74.04	79.57
NDS120-002-BS	120	82.09	79.51	74.93	86.77	92.27
NDS128-002-BS	128	87.17	84.59	80.01	91.85	97.35