90° Solder Dip Socket (1.27mm Pitch)

Part Number (Details) **Specifications** Insulation Resistance: $500M\Omega$ min. at 500V DC 050 - 002 - BF NDS Withstanding Voltage: 500V AC rms for 1 minute Series (socket) Contact Resistance: 35mΩ max. at 10mA Current Rating: 0.5A No. of Leads Operating Temp. Range: -55°C to +85°C Mating Cycles: 500 insertions Terminal Type: Soldering Temp.: 230° C / 10 sec. 2 = Right Angle Solder Dip Materials and Finish Contact Plating: Housing: PPS (glass filled), UL 94V-0 rated Mating Face - Au (0.3µm min.) over Ni Contacts: Copper Alloy Solder Terminals - Au (0.05µm min.) over Ni Mating Face Contacts - Au over Ni Plating: RoHS Solder Terminals - Au over Ni Real Property in the owner of Features Cov insertion and extraction forces due to bellows type contacts **Outline Dimensions** Contact Details <u>2- ¢ 2.3</u> 11.7 ő 2.8 4.7 D Δ В С w-A #1 terminal mark 1.27 3.65 Row-B #1 terminal mark 1.27 04 0.2 C 2.05 1.908 1.905 1.905 **Recommended PCB Layout** Top View For 50 Leads only For All Other Leads No. of leads- # 0.55MIN w-A #1 terminal C+0. low-A #1 terminal 0 2- ø 2.3 ±0.1 591 1.905 ±0.1 1.905 ±0.1 $\dot{+}$ PC board end surface 905 v-B #1 terminal Standard types С D NDS036-002-BF 36 28 75 26 17 21 59 33 43 38.93 NΓ NE

ND3030-002-DI	30	20.75	20.17	21.37	33.43	30.73
NDS040-002-BF	40	31.29	28.71	24.13	35.97	41.47
NDS050-002-BF	50	37.64	35.06	30.48	42.32	47.82
NDS100-002-BF	100	69.39	66.81	62.23	74.04	79.57
NDS120-002-BF	120	82.09	79.51	74.93	86.77	92.27
NDS128-002-BF	128	87.17	84.59	80.01	91.85	97.35
For the following versi	ons below please cont	act Vamaichi, minimi	um order quantity ma	av be required		

For the following versions below please contact Yamaichi, minimum order quantity may be required

NDS068-002-BF	68	49.07	46.49	41.91	53.75	59.25
NDS080-002-BF	80	56.69	54.11	49.53	61.37	66.87

SPECIFICATIONS AND DRAWINGS ARE SUBJECT TO ALTERATION WITHOUT PRIOR NOTICE - DIMENSIONS IN MILLIMETER

(A) YAMAICHI

Specifications

Insulation Resistance: Withstanding Voltage: Contact Resistance: Current Rating: Operating Temp. Range: -55°C to +85°C Mating Cycles: Soldering Temp.:

 $500 M\Omega$ min. at 500 V DC 500 V AC rms for 1 minute 35mΩ max. at 10mA 0.5A



Materials and Finish

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

RoHS

Part Number (Details)

NDS	050	- 004	-	BF
Series (socket)				
No. of Leads				
Terminal Type: 4 = Straight Sol	der Dip			
Contact Plating:		a) over Ni		

Solder Terminals - Au (0.05µm min.) over Ni

Contact Details

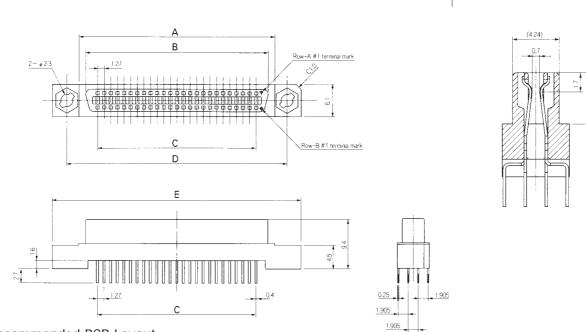
Features

Cov insertion and extraction forces due to bellows type contacts

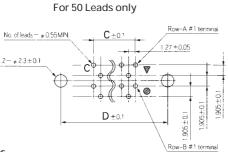
500 insertions

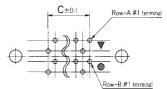
230° C / 10 sec.

Outline Dimensions



Recommended PCB Layout





For All Other Leads

Standard types

Part Number	No. of Leads	А	В	С	D	Е	Part Number	No. of Leads	А	В	С	D	Е
NDS036-004-BF	36	28.75	26.17	21.59	33.43	38.93	NDS068-004-BF	68	49.07	46.49	41.91	53.75	59.25
NDS040-004-BF	40	31.29	28.71	24.13	35.97	41.47	NDS128-004-BF	128	87.17	84.59	80.01	91.85	97.35
NDS050-004-BF	50	37.64	35.06	30.48	42.32	47.82							

For the following versions below please contact Yamaichi, minimum order quantity may be required

NDS060-004-BF	60	43.99	41.41	36.83	48.67	54.17	NDS100-004-BF	100	69.39	66.81	62.23	74.04	79.57
NDS080-004-BF	80	56.69	54.11	49.53	61.37	66.87	NDS120-004-BF	120	82.09	79.51	74.93	86.77	92.27

AYAMAICH

SPECIFICATIONS AND DRAWINGS ARE SUBJECT TO ALTERATION WITHOUT PRIOR NOTICE - DIMENSIONS IN MILLIMETER

Top View