NF Series

IDC Transition Header (1.27mm Pitch)

Specifications

Insulation Resistance: 1,000MΩ min. at 500V DC
Withstanding Voltage: 500V AC rms for 1 minute
Contact Resistance: 15mΩ max. at 10mA
Current Rating: 1A
Operating Temp. Range: –20°C to +85°C
Soldering Temperature: 260°C / 5 sec.



Materials and Finish

Housing: PBT (glass filled), UL 94V-0 rated
Contacts: Beryllium Copper
Plating: Au over Ni

RoHS

Features

- Contact pitch 1.27mm connectors for high-density mounting
- Variations include cable connection and board-to-board connection types
- Unique three-fork contact of IDC type allows termination of 0.635mm pitch flat cable

Part Number (Details)

NFP - 10G - 0100 BF

Series (plug)

No. of Leads

Type of Plating:

	Base	Mating Face	Solder Terminals
BF	Ni 2.5~4.5µm	Au 0.3µm min.	Au 0.05µm min.
FF	Ni 2.5~4.5µm	Au 0.5µm min.	Au 0.05µm min.

Applicable Cables

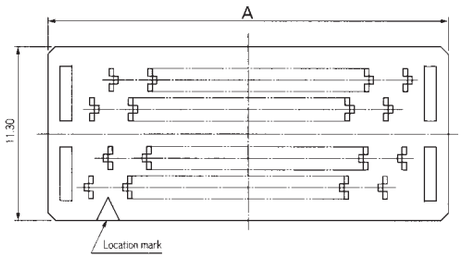
AWG 30 stranded wire, AWG 30 solid wire,
0.635mm pitch (e.g. FLEX-*S, see Section E)

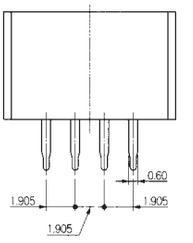
Jigs and Tools

- Hand press: FX-003
- Applicable jig: NFG-105
- Platen: Standard platen

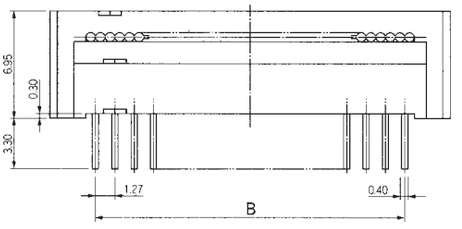


Outline Dimensions





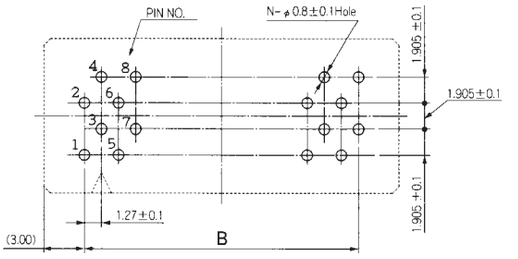
View 'A'



◄ View 'A'

Recommended PCB Layout

Top View from Socket



Standard types

Part Number	No. of Leads	A	B
NFP-10G-0100BF	10	11.08	5.08
NFP-16G-0100BF	16	14.89	8.89
NFP-20G-0100BF	20	17.43	11.43
NFP-20G-0100FF	20	17.43	11.43
NFP-26G-0100BF	26	21.24	15.24
NFP-26G-0100FF	26	21.24	15.24
NFP-34G-0100BF	34	26.32	20.32
NFP-34G-0100FF	34	26.32	20.32
NFP-40G-0100BF	40	30.13	24.12
NFP-40G-0100FF	40	30.13	24.12

Part Number	No. of Leads	A	B
NFP-50G-0100BF	50	36.48	30.48
NFP-50G-0100FF	50	36.48	30.48
NFP-60G-0100BF	60	42.83	36.83
NFP-64G-0100BF	64	45.37	39.37
NFP-64G-0100FF	64	45.37	39.37
NFP-80G-0100BF	80	55.53	49.53
NFP-80G-0100FF	80	55.53	49.53
NFP-100G-0100BF	100	68.23	62.23
NFP-100G-0100FF	100	68.23	62.23

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

NFP-10G-0100FF	10	11.08	5.08
NFP-16G-0100FF	16	14.89	8.89
NFP-60G-0100BF	60	42.83	36.83