NP89 Series

Pin Grid Array / Zero Insertion Force (PGA / ZIF)

Specifications

Insulation Resistance: 1,000M Ω min. at 500V DC Dielectric Withstanding Voltage:700V AC for 1 minute

Contact Resistance: $30m\Omega$ max. at 10mA/20mV max.

Operating Temperature Range: -40°C to +170°C

Materials and Finish

Housing: Polyetherimide (PEI), glass-filled, UL94V-0

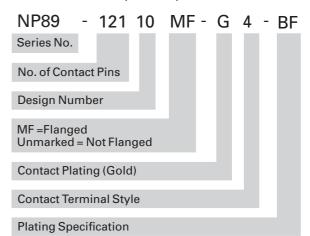
Contacts: Beryllium Copper (BeCu)

Plating: Gold over Nickel

Features

- Wiping action system: Cleans up IC lead surface during handling action
- ⇒ Reliable 3 point contact system
- Cost performance: Different contact thickness for contact area and terminal area
- Depopulated versions available
- Also available with lever on the right hand side, standard type is lever on the left hand side

Part Number (Details)

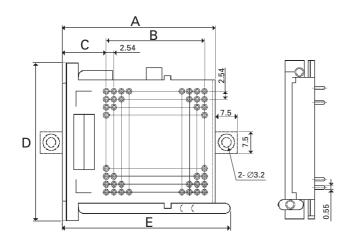


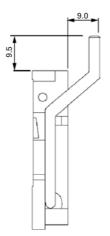


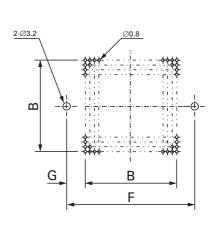
Outline Socket Dimensions

Recommended PC Board Layout

Top View from Socket







Part Number	Grid Size	Pin Count	Socket and PC Board Dimensions						
			А	В	С	D	Е	F	G
NP89-12110**-G4-BF	11 x 11	121	42.5	25.4	14.0	42.5	52.0	50.1	17.55
NP89-14409**-G4-BF	12 x 12	144	43.1	27.94	12.0	42.7	52.6	50.7	15.55
NP89-13302**-G4-BF	14 x 14	133	51.0	32.02	14.65	51.0	60.5	58.6	18.2
NP89-19601**-G4-BF	14 x 14	196	51.0	32.02	14.65	49.0	60.5	58.6	18.2
NP89-22508**-G4-BF	15 x 15	225	52.7	35.56	14.0	50.3	65.4	60.3	17.55
NP89-21004**-G4-BF	17 x 17	210	59.0	40.64	14.65	57.0	71.7	66.6	18.2
NP89-28906**-G4-BF	17 x 17	289	59.0	40.64	14.65	57.0	71.7	66.6	18.2
NP89-36105**-G4-BF	19 x 19	361	63.7	45.72	14.65	61.7	73.2	71.3	18.2
NP89-44111**-G4-BF	21 x 21	441	69.0	50.8	14.95	68.0	81.7	76.4	18.5
NP89-62522**-G4-BF	25 x 25	625	85.7	60.96	17.95	82.0	95.2	92.8	21.5

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