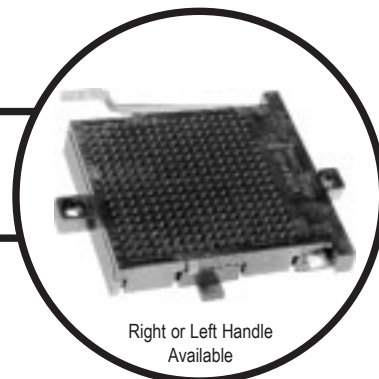
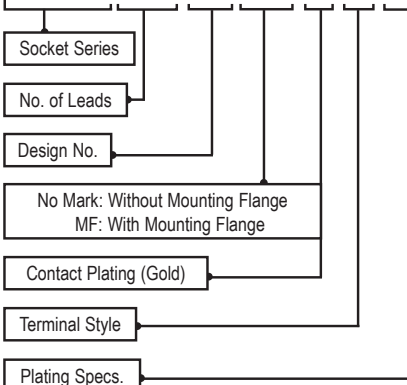


# PGA / ZIF

## NP89 Series



**NP89-121 10 MF-G 4-BF**



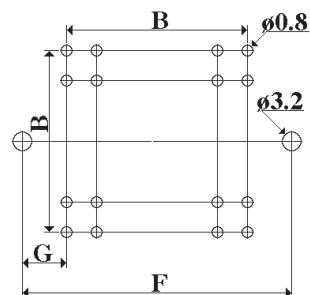
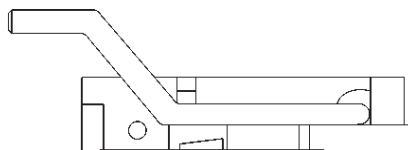
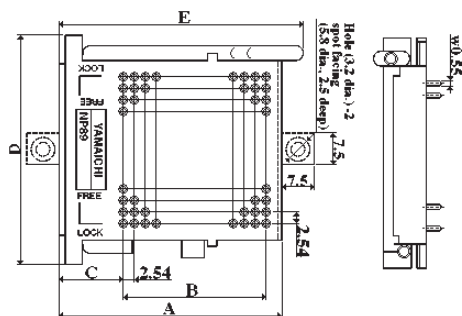
### Characteristics

Insulation Resistance: 1,000M $\Omega$  minimum at 500 VDC  
 Withstanding Voltage: 700 VAC for 1 Minute  
 Contact Resistance: 30m $\Omega$  max. at 10mA/20mV (Initial)  
 Operating Temperature: -55°C ~ +170°C

### Material

Insulator: PEI (Glass Filled) UL94V-0  
 Contact: Beryllium Copper  
 Plating: Gold over Nickel

*Depopulated Versions Available*

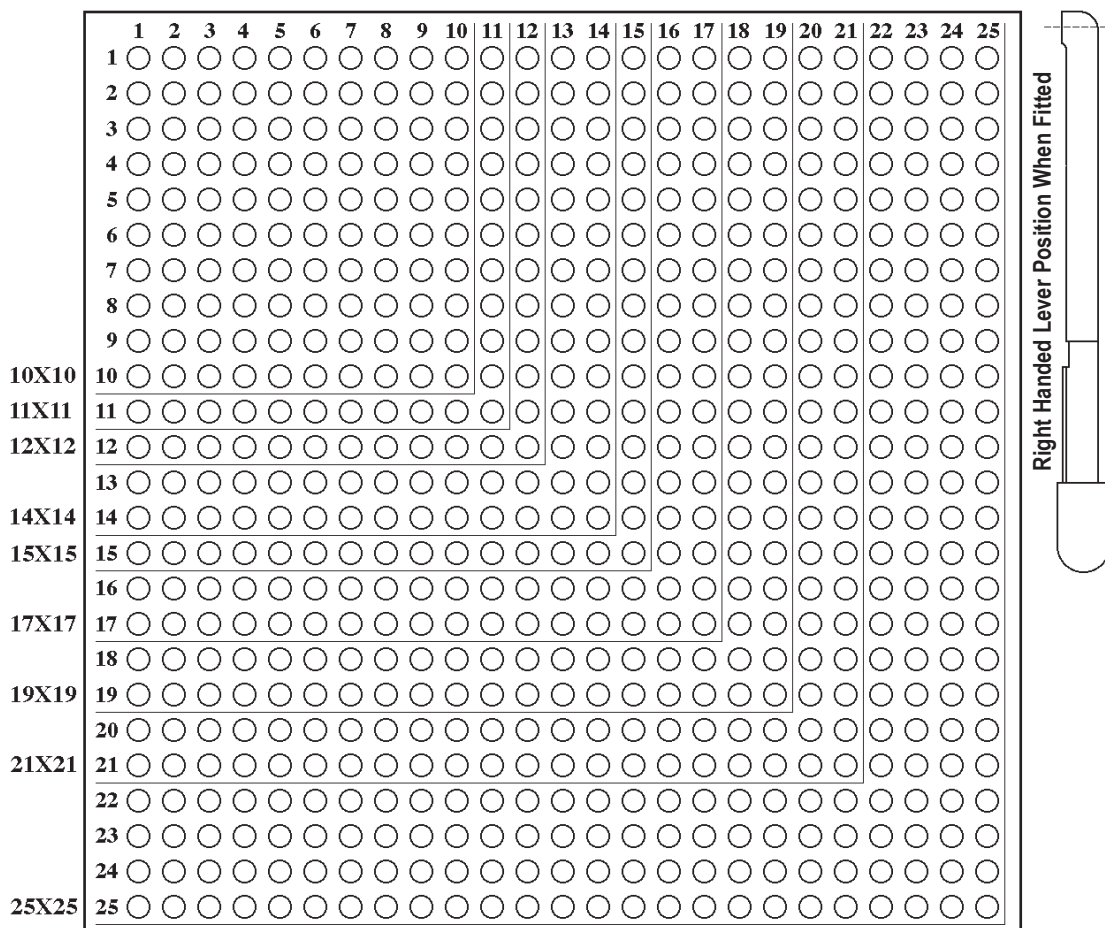


| Part Number   | Grid    | No. of Leads | DIMENSIONS |       |       |      |      |      |       |
|---------------|---------|--------------|------------|-------|-------|------|------|------|-------|
|               |         |              | A          | B     | C     | D    | E    | F    | G     |
| NP89-10007-G4 | 10 X 10 | 100          | 38.0       | 22.86 | 12.0  | 38.0 | 47.5 | 45.6 | 15.55 |
| NP89-07303-G4 | 11 X 11 | 73           | 42.5       | 25.4  | 14.0  | 42.5 | 52.0 | 50.1 | 17.55 |
| NP89-12110-G4 | 11 X 11 | 121          | 42.5       | 25.4  | 14.0  | 42.5 | 52.0 | 50.1 | 17.55 |
| NP89-14409-G4 | 12 X 12 | 144          | 43.1       | 27.94 | 12.0  | 42.7 | 52.6 | 50.7 | 15.55 |
| NP89-13302-G4 | 14 X 14 | 133          | 51.0       | 32.02 | 14.65 | 51.0 | 60.5 | 58.6 | 18.2  |
| NP89-19601-G4 | 14 X 14 | 196          | 51.0       | 32.02 | 14.65 | 49.0 | 60.5 | 58.6 | 18.2  |
| NP89-22508-G4 | 15 X 15 | 225          | 52.7       | 35.56 | 14.0  | 50.3 | 65.4 | 60.3 | 17.55 |
| NP89-21004-G4 | 17 X 17 | 210          | 59.0       | 40.64 | 14.65 | 57.0 | 71.7 | 66.6 | 18.2  |
| NP89-28906-G4 | 17 X 17 | 289          | 59.0       | 40.64 | 14.65 | 57.0 | 71.7 | 66.6 | 18.2  |
| NP89-36105-G4 | 19 X 19 | 361          | 63.7       | 45.72 | 14.65 | 61.7 | 73.2 | 71.3 | 18.2  |
| NP89-44111-G4 | 21 X 21 | 441          | 69.0       | 50.8  | 14.95 | 68.0 | 81.7 | 76.4 | 18.5  |
| NP89-62522-G4 | 25 X 25 | 625          | 85.7       | 60.96 | 17.95 | 82.0 | 95.2 | 92.8 | 21.5  |

# DEPOPULATION LAYOUT

PGA / ZIF

## NP89 Series



Arrays

*Depopulation Layout is For Reference Only*

### Convention:

- Shaded Circles Indicate Required Contact Position
- Rule Line to Confirm Required Socket Outline.  
Socket Outline Should Always Appear in the Top Left Corner.
- ✕ Use this Symbol to Indicate Required Polarity Key Position.

The NP89 is Available in the  
Following Grid Sizes:

|       |       |       |
|-------|-------|-------|
| 10X10 | 11X11 | 12X12 |
| 14X14 | 15X15 | 17X17 |
| 19X19 | 21X21 | 25X25 |

No. of Leads

Base Socket Part No.

AC No.