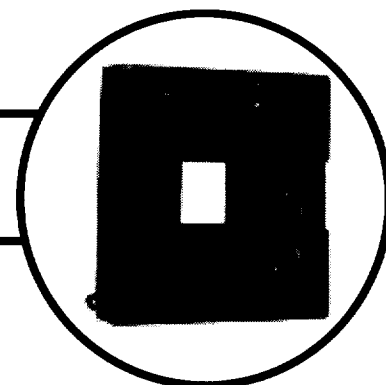
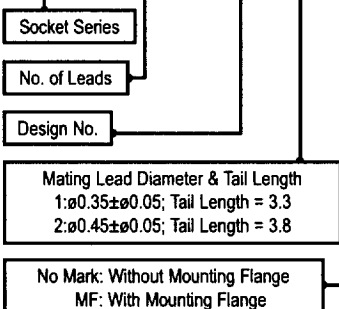


PGA / ZIF (Open-Top Interstitial)

NP178 Series



NP178-640 01- * - **



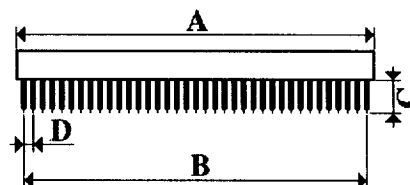
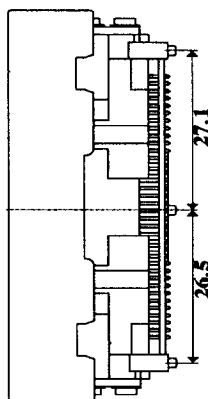
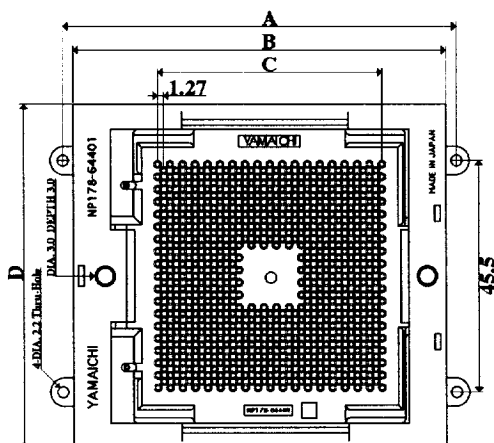
Characteristics

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

Material

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

Depopulated Versions Available



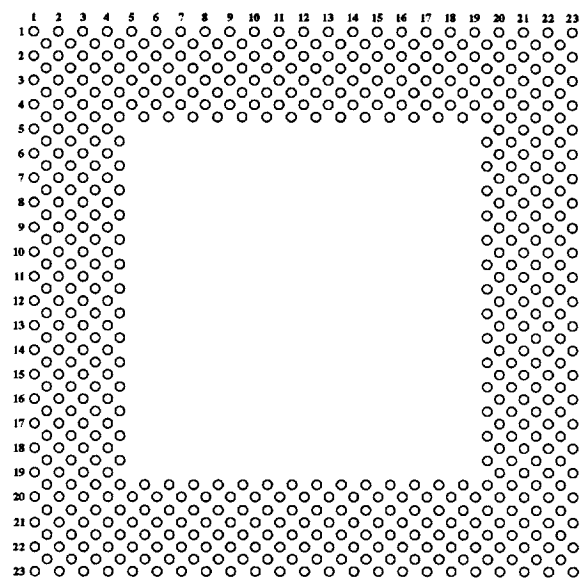
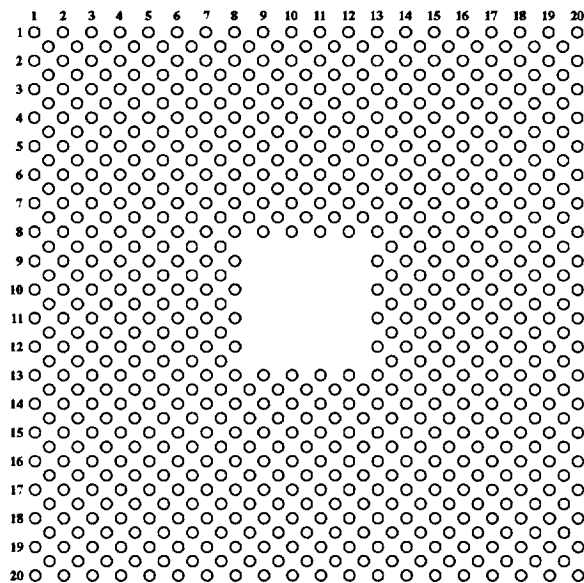
Part Number	Grid	No. of Leads	SOCKET DIMENSIONS			
			A	B	1.27X(n-1) = C	D
NP178-64401-*-**	19 X 19	644	78.0	74.0	1.27X36=45.72	67.0
NP178-72002-*-**	20 X 20	720	79.0	75.0	1.27X38=48.26	69.5
NP178-59107	23 X 23	591	76.0	83.2	1.27X44=55.88	81.0

IC PACKAGE DIMENSIONS						
Grid	No. of Leads	E	F	G	H	n
19 X 19	644	50.0 Max.	45.72	2.54 ~ 5.9	1.27	37
20 X 20	720	25.8 Max.	48.26	2.54 ~ 5.9	1.27	39
23 X 23	591	60.2 Max.	55.88	2.8 ~ 5.9	1.27	44

DEPOPULATION LAYOUT

PGA / ZIF (Open-Top Interstitial)

NP178 Series



Depopulation Layout is For Reference Only

Convention:

- Shaded Circles Indicate Required Contact Position
- $\otimes$ Use this Symbol to Indicate Required Polarity Key Position.

No. of Leads

Base Socket Part No.

AC No.

The NP178 is Available in the
Following Grid Sizes:

19 X 19, 20 X 20, 23 X 23

CONTACT STYLE

- ACCEPTS $\varnothing 0.35 \pm 0.05$ IC LEADS
- ACCEPTS $\varnothing 0.45 \pm 0.05$ IC LEADS