

Specifications

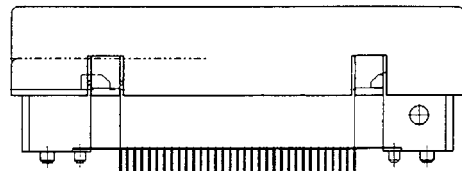
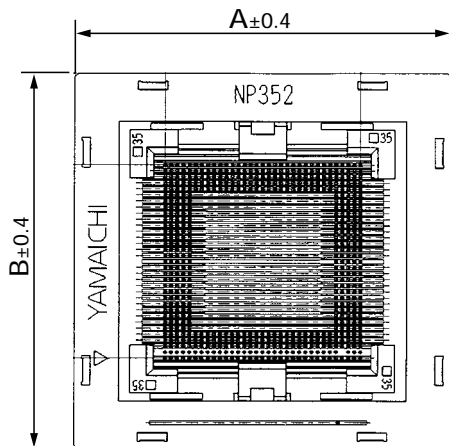
Insulation Resistance: 1,000MΩ min. at 100V DC
 Dielectric Withstanding Voltage: 100V AC for 1 minute
 Contact Resistance: 100mΩ max. at 10mA/20mV max.
 Operating Temperature Range: -40°C to +150°C / -55°C to +150°C
 Contact Force: 15g per pin approx.
 Mating Cycles: 10,000 insertions minimum



Materials and Finish

Housing: Polyetherimide (PEI), glass-filled
 Polyethersulphone (PES), glass-filled
 Contacts: Beryllium Copper (BeCu)
 Plating: Gold over Nickel

Outline Socket Dimensions



Part Number (Details)

NP352 - 456 66 - * - *

- Series No.
- No. of Contact Pins
- Design Number
- Mark for Positioning Pins
- Contact Terminal Lengths and Form

Features

- Open top type sockets with "Tweezer Style Contacts" For FBGA packages
- Secure package alignment due to self contacting structure without upper pressing force (ZIF)
- Contacting structure to nip the sides of solder balls to lower damages of coplanarity of solder balls

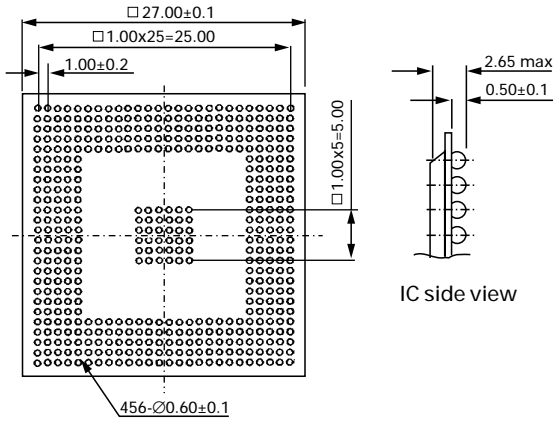
Part Number	Pin Count	IC Dimensions		Socket Dimensions A x B
		Grid Size	Body Size _(mm)	
NP352-48031	480	29 x 29	31 x 31	62.0 x 62.0
NP352-55212	552	29 x 29	31 x 31	62.0 x 62.0
NP352-56009	560	33 x 33	35 x 35	62.0 x 62.0
NP352-76814	768	38 x 38	40 x 40	62.0 x 62.0
NP352-78832	788	38 x 38	40 x 40	62.0 x 62.0
NP352-829-50	829	39 x 39	40 x 40	62.0 x 62.0
NP352-83615	836	31 x 31	33 x 33	62.0 x 62.0
NP352-1008-39	1008	43 x 43	45 x 45	74.0 x 74.0

NP352 Series (Open Top)

Fine Ball Grid Array (FBGA, 1.00mm Pitch)

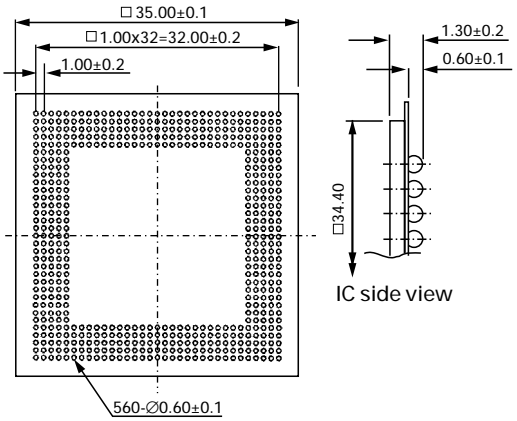
Top View from Socket

456 pins NP352-456-66



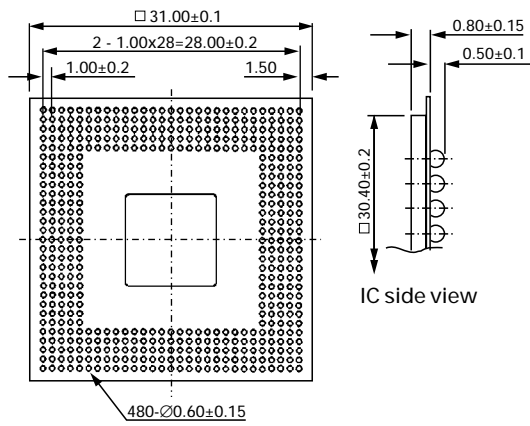
Grid Size 26 x 26

560 pins NP352-56009



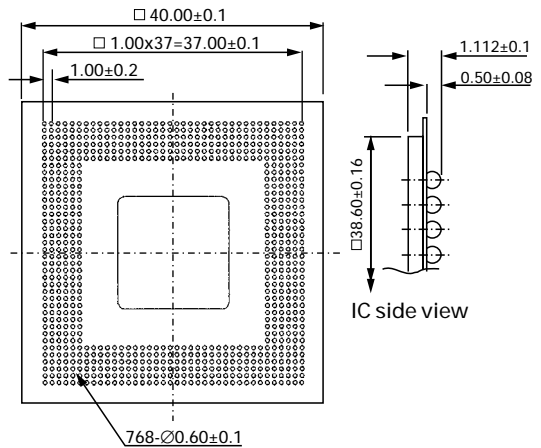
Grid Size 33 x 33

480 pins NP352-48031



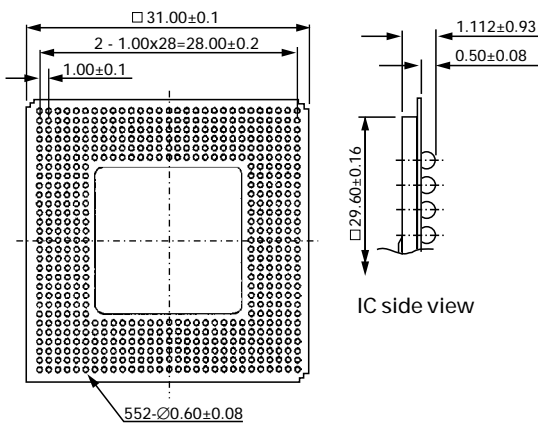
Grid Size 29 x 29

768 pins NP352-76814



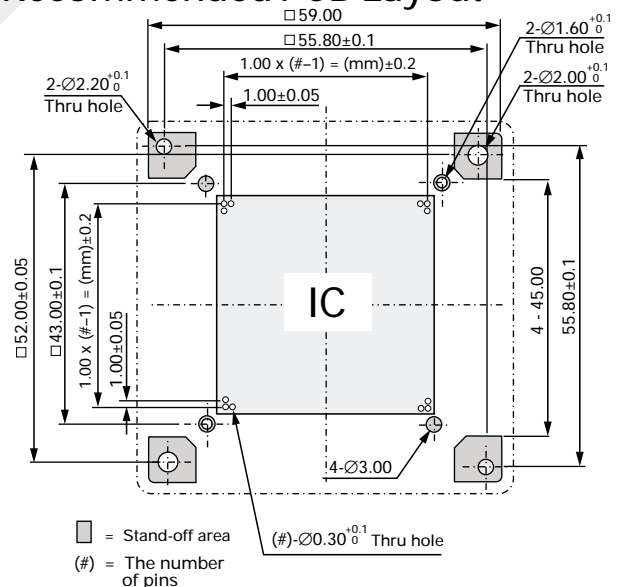
Grid Size 38 x 38

552 pins NP352-55212



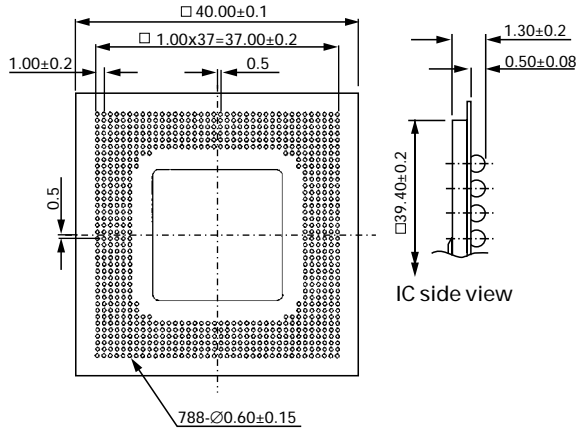
Grid Size 29 x 29

Recommended PCB Layout



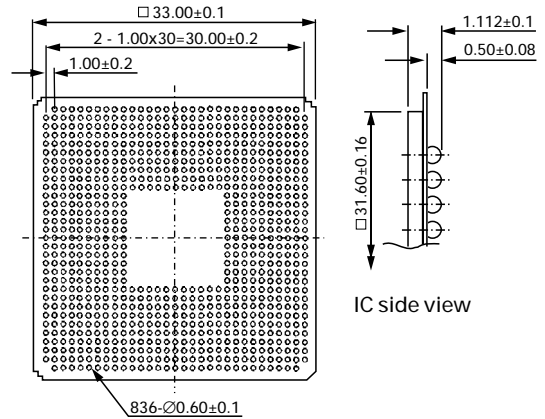
Top View from Socket

788 pins NP352-78832



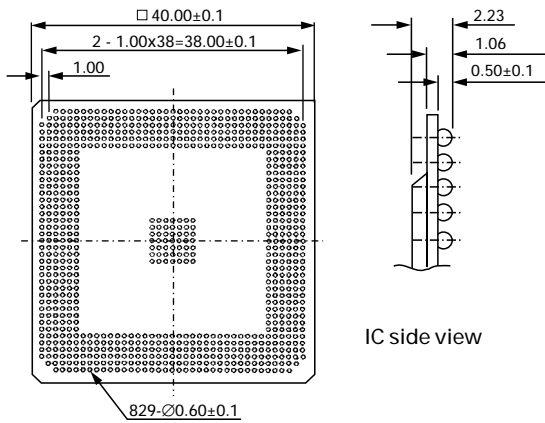
Grid Size 38 x 38

836 pins NP352-83615



Grid Size 31 x 31

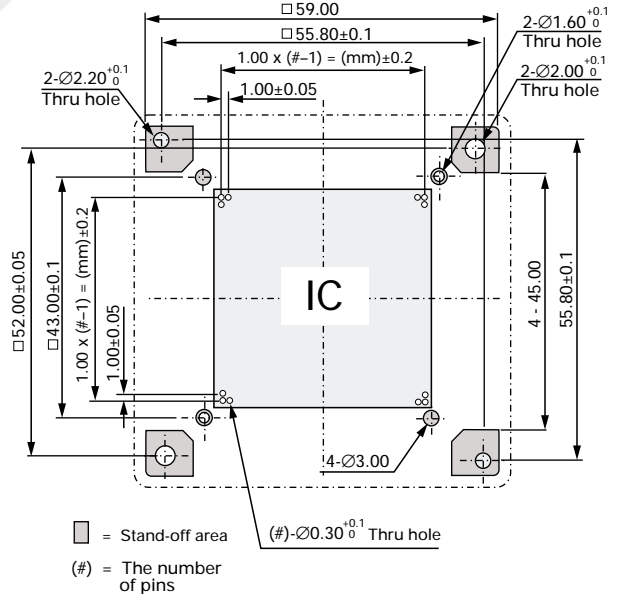
829 pins NP352-829-50



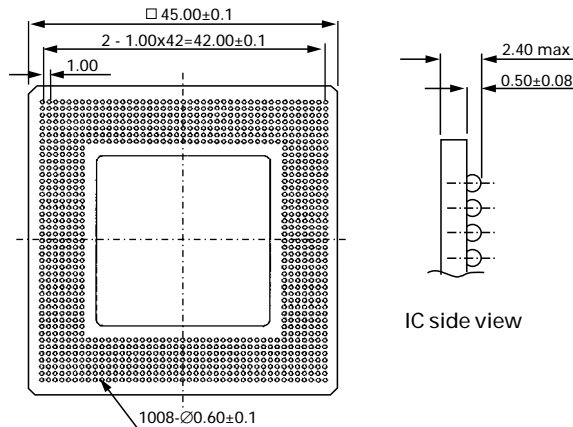
Grid Size 39 x 39

Grid Size 39 x 39

Recommended PCB Layout



1008 pins NP352-1008-39



Grid Size 43 x 43

Recommended PCB Layout

