

Specifications

Insulation Resistance: 1,000MΩ min. at 500V DC
 Dielectric Withstanding Voltage: 700V AC for 1 minute for 1.00mm pitch
 500V AC for 1 minute for 0.80mm pitch
 100V AC for 1 minute for 0.75mm pitch
 Contact Resistance: 100mΩ max. at 10mA/20mV max.
 Operating Temperature Range: -40°C to +150°C
 Contact Force: 15g~35g per pin within contact travel distance between 0.2~0.5mm
 Mating Cycles: 10,000 insertions

Materials and Finish

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

Features

- ◇ V-shape contact structure to lower the damage of coplanarity of solder balls
- ◇ Available in 3 pitch sizes and various depopulation versions, please contact Yamaichi for further available pin counts or custom sockets

Part Number (Details)

IC280 - 576 06 (.AC...)

Series No.

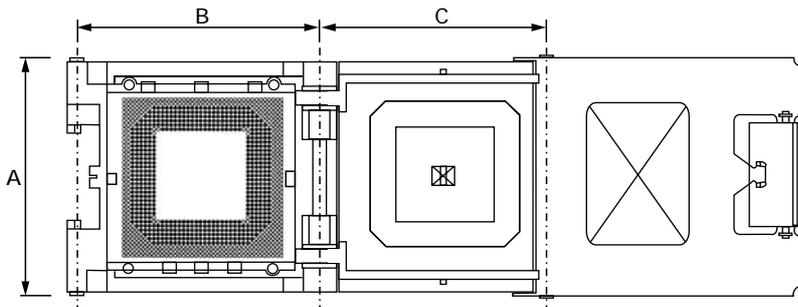
No. of Contact Pins

Design Number

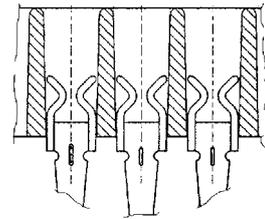
For Pin Depopulation and Custom Designed Sockets



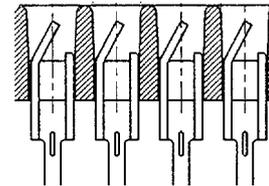
Outline Socket Dimensions



Contact Details for BGA

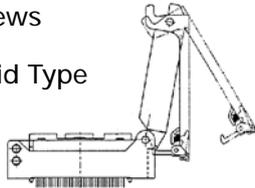


Contact Details for LGA

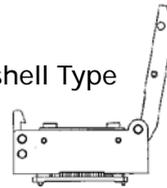


Socket Side Views

Dual Lid Type (DL)



Clamshell Type (CS)



Part Number	Pin Count	Pitch	Grid Size	IC Body Size	Socket Dimensions			Lid Type
					A	B	C	
IC280-169-127	169	0.80	13 x 13	12 x 12	28.40	31.35	-	CS
IC280-196-126	196	0.80	14 x 14	12 x 12	28.40	31.35	-	CS
IC280-72919.AC-12414	209	0.80	19 x 19	23 x 23	41.20	40.20	36.65	DL
IC280-225-185	225	0.75	15 x 15	12 x 12	28.40	31.35	31.50	CS
IC280-256-211	256	0.80	16 x 16	13 x 13	38.80	45.25	36.65	DL
IC280-72919.AC-12413	257	0.80	19 x 19	23 x 23	41.20	40.20	36.65	DL
IC280-324-186	324	0.80	18 x 18	16 x 16	31.60	34.55	-	CS
IC280-72919.AC-10478	340	0.80	22 x 22	20 x 20	41.20	40.20	36.65	DL
IC280-72918.AC-11321	484	1.00	22 x 22	23 x 23	46.80	47.60	43.00	DL
IC280-57606	576	1.00	33 x 33	35 x 35	56.20	54.90	50.90	DL
IC280-69605.AC-08327	671	1.00	34 x 34	35 x 35	56.20	54.90	50.90	DL
IC280-69605	696	1.00	38 x 38	40 x 40	56.20	54.90	50.90	DL
IC280-720-106	720	1.00	38 x 38	40 x 40	56.20	54.90	50.90	DL
IC280-72919	729	0.80	27 x 27	23 x 23	42.20	40.20	36.65	DL
IC280-72949	729	0.80	27 x 27	23 x 23	38.80	45.25	-	CS
IC280-72918	729	1.00	27 x 27	28 x 28	46.80	47.60	43.00	DL
IC280-72948	729	1.00	27 x 27	28 x 28	44.00	51.20	-	CS
IC280-740-111	740	1.00	38 x 38	40 x 40	56.20	54.90	50.90	DL
IC280-868-108	868	1.00	38 x 38	40 x 40	54.90	50.90	50.90	DL

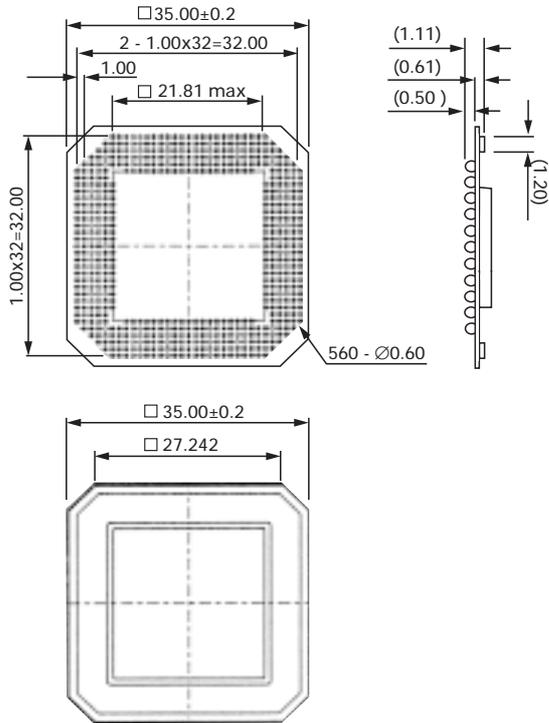
IC280 Series (Clamshell)

Fine Ball Grid Array (FBGA)

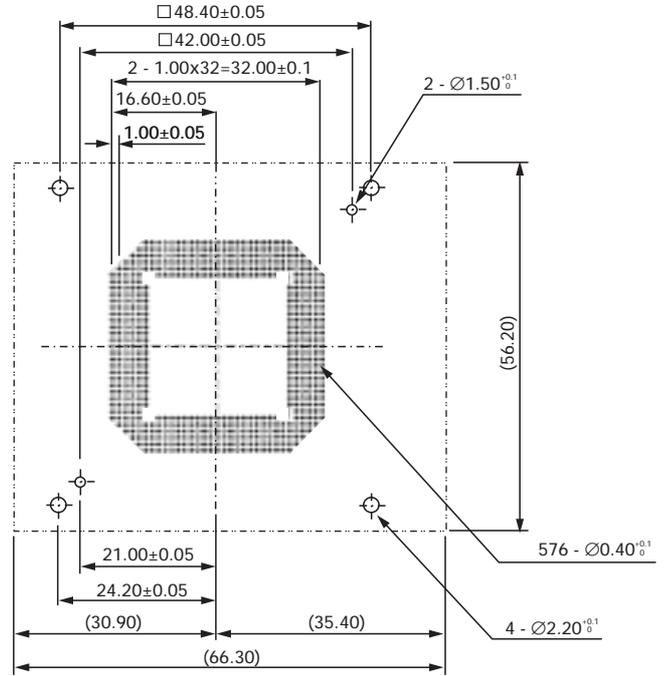
576 pins IC280-57606

(33 x 33 Grid)

IC Dimensions



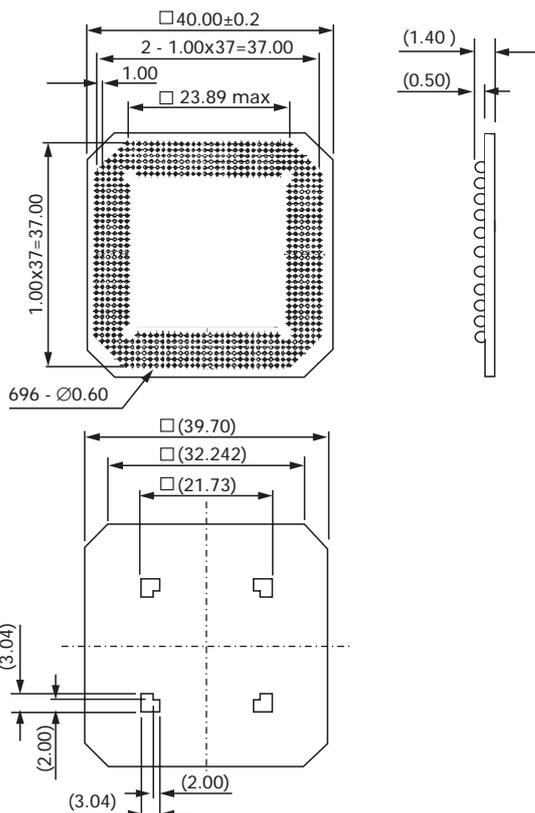
PC Board Layout



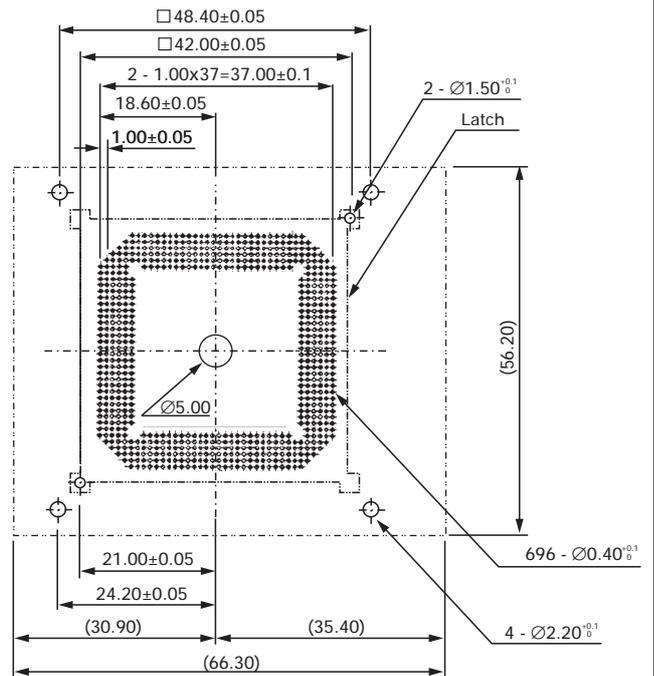
696 pins IC280-69605

(38 x 38 Grid)

IC Dimensions



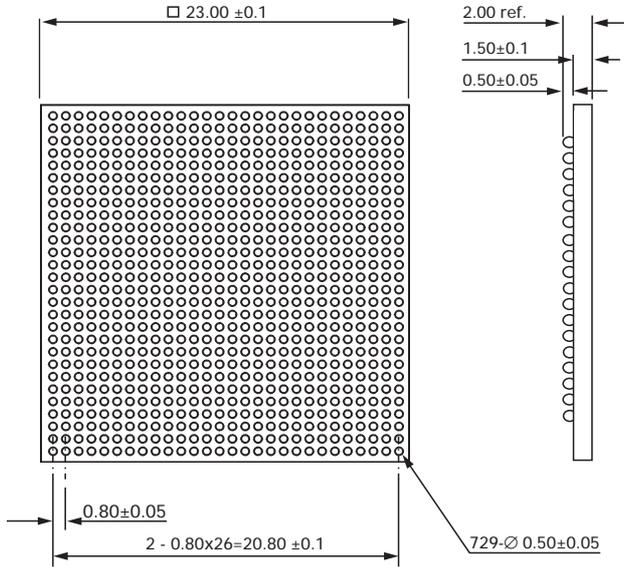
PC Board Layout



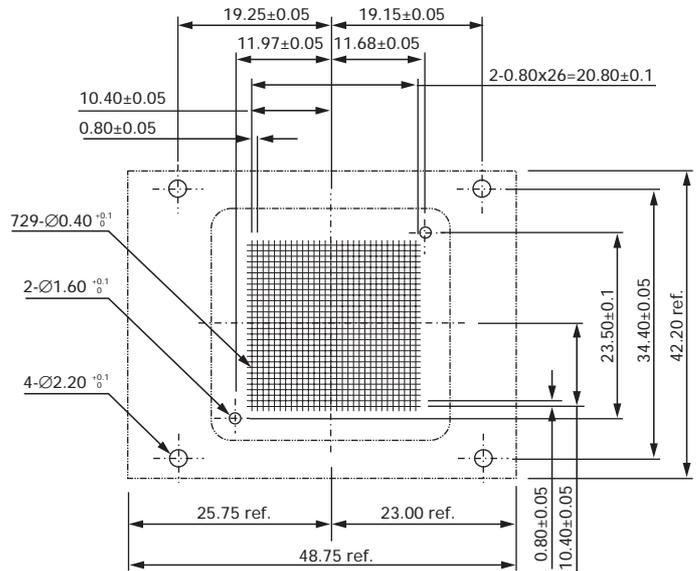
729 pins IC280-72919

(27 x 27 Grid)

IC Dimensions



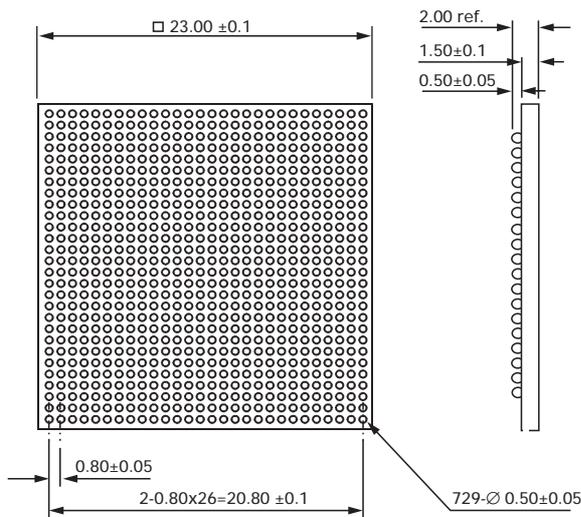
PC Board Layout



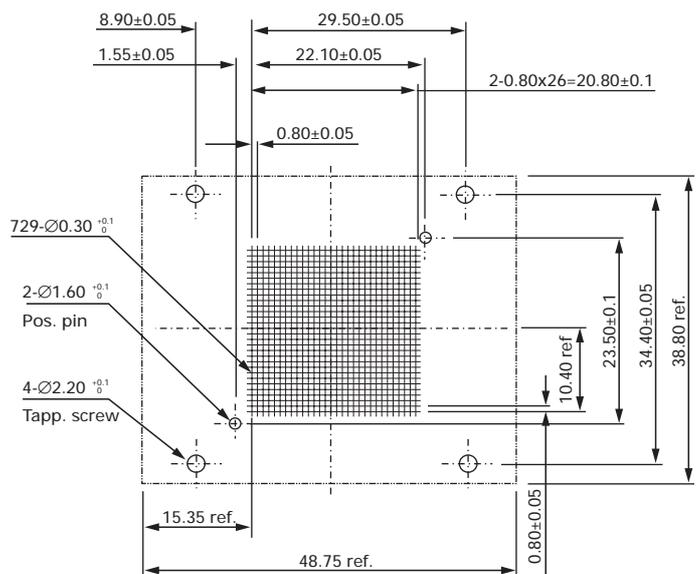
729 pins IC280-72949

(27 x 27 Grid)

IC Dimensions



PC Board Layout



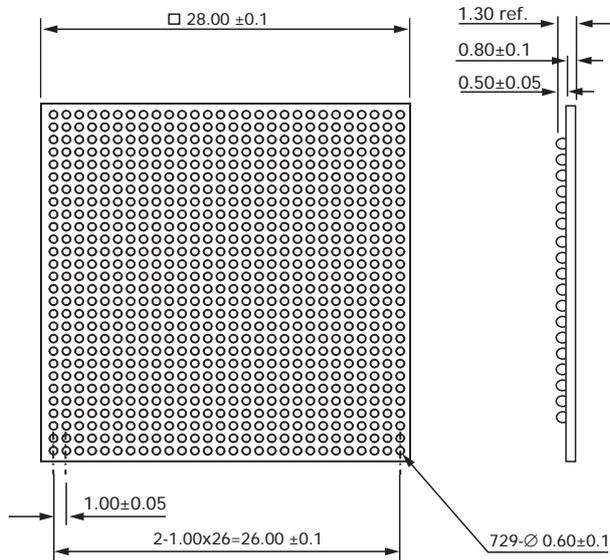
IC280 Series (Clamshell)

Fine Ball Grid Array (FBGA)

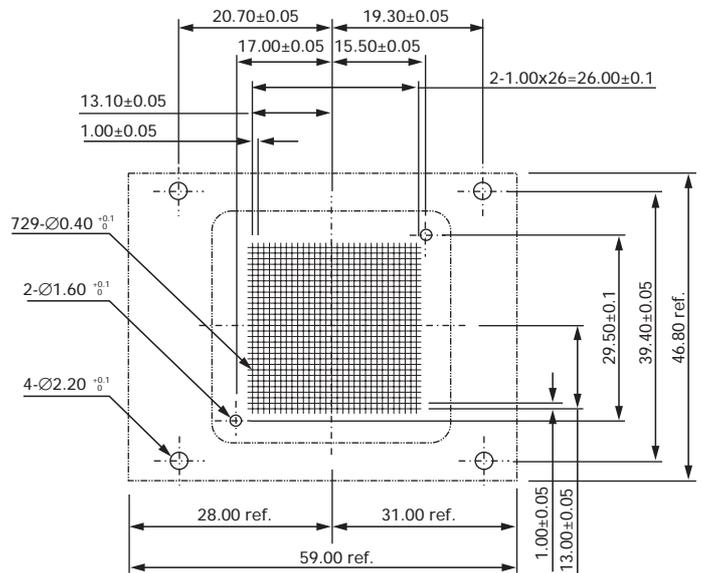
729 pins IC280-72918

(27 x 27 Grid)

IC Dimensions



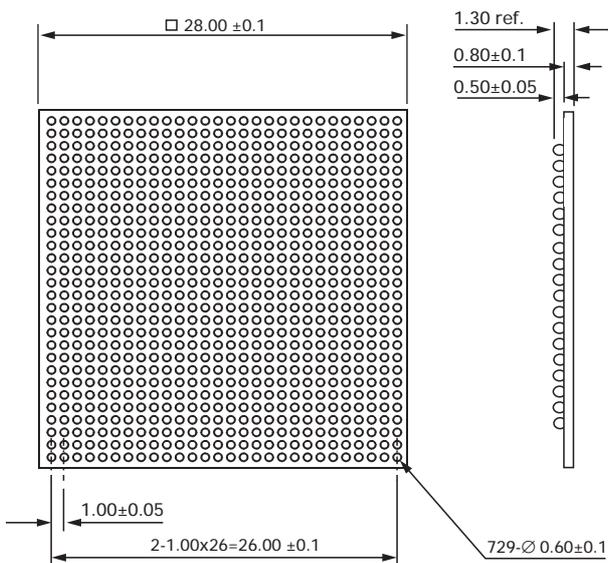
PC Board Layout



729 pins IC280-72948

(27 x 27 Grid)

IC Dimensions



PC Board Layout

