

MATRIX BGA SOCKET (1,27mm)									
PART NO.	NO. OF CONTACTS	GRID	DIM A	DIM B	DIM C	DIM D	DIM E	DIM G	LOAD
1640320-1	256	16X16	28,27 (1,131)	22,27 (1,877)	19,05 (1,500)	38,10 (1,500)	25,67 (1,011)	19,27 (1,759)	2568 LBS
1640320-2	289	17X17	30,27 (1,192)	24,27 (1,956)	20,05 (1,800)	39,10 (1,500)	27,67 (1,089)	21,27 (1,837)	2967 LBS
1640320-3	324	18X18	32,27 (1,261)	26,27 (1,834)	21,05 (1,900)	40,10 (1,500)	29,67 (1,168)	23,27 (1,916)	3268 LBS
1640320-4	361	19X19	34,27 (1,349)	28,27 (1,113)	22,05 (1,950)	41,10 (1,500)	31,67 (1,247)	25,27 (1,985)	3669 LBS
1640320-5	400	20X20	36,27 (1,408)	30,27 (1,192)	23,05 (1,900)	42,10 (1,500)	33,67 (1,326)	27,27 (1,083)	4070 LBS
1640320-6	441	21X21	38,27 (1,488)	32,27 (1,271)	24,05 (1,950)	43,10 (1,500)	35,67 (1,405)	29,27 (1,164)	4481 LBS
1640320-7	484	22X22	40,27 (1,567)	34,27 (1,350)	25,05 (1,900)	44,10 (1,500)	37,67 (1,484)	31,27 (1,243)	4902 LBS
1640320-8	529	23X23	42,27 (1,647)	36,27 (1,429)	26,05 (1,950)	45,10 (1,500)	39,67 (1,563)	33,27 (1,322)	5333 LBS
1640320-9	576	24X24	44,27 (1,726)	38,27 (1,508)	27,05 (1,900)	46,10 (1,500)	41,67 (1,642)	35,27 (1,401)	5784 LBS
1-1640320-0	625	25X25	46,27 (1,785)	40,27 (1,587)	28,05 (1,950)	47,10 (1,500)	43,67 (1,721)	37,27 (1,480)	6265 LBS
1-1640320-1	676	26X26	48,27 (1,864)	42,27 (1,666)	29,05 (2,000)	48,10 (1,500)	45,67 (1,800)	39,27 (1,559)	6776 LBS
1-1640320-2	729	27X27	50,27 (1,943)	44,27 (1,745)	30,05 (2,050)	49,10 (1,500)	47,67 (1,879)	41,27 (1,638)	7317 LBS
1-1640320-3	784	28X28	52,27 (2,022)	46,27 (1,824)	31,05 (2,100)	50,10 (1,500)	49,67 (1,958)	43,27 (1,717)	7888 LBS
1-1640320-4	841	29X29	54,27 (2,101)	48,27 (1,903)	32,05 (2,150)	51,10 (1,500)	51,67 (2,037)	45,27 (1,796)	8489 LBS
1-1640320-5	900	30X30	56,27 (2,180)	50,27 (1,982)	33,05 (2,200)	52,10 (1,500)	53,67 (2,116)	47,27 (1,875)	9120 LBS
1-1640320-6	961	31X31	58,27 (2,259)	52,27 (2,061)	34,05 (2,250)	53,10 (1,500)	55,67 (2,195)	49,27 (1,954)	9781 LBS
1-1640320-7	1024	32X32	60,27 (2,338)	54,27 (2,140)	35,05 (2,300)	54,10 (1,500)	57,67 (2,274)	51,27 (2,033)	10482 LBS
1-1640320-8	1089	33X33	62,27 (2,417)	56,27 (2,219)	36,05 (2,350)	55,10 (1,500)	59,67 (2,353)	53,27 (2,112)	11223 LBS
1-1640320-9	1156	34X34	64,27 (2,500)	58,27 (2,298)	37,05 (2,400)	56,10 (1,500)	61,67 (2,432)	55,27 (2,191)	12004 LBS
2-1640320-0	1225	35X35	66,27 (2,579)	60,27 (2,377)	38,05 (2,450)	57,10 (1,500)	63,67 (2,511)	57,27 (2,270)	12825 LBS
2-1640320-1	1296	36X36	68,27 (2,658)	62,27 (2,456)	39,05 (2,500)	58,10 (1,500)	65,67 (2,590)	59,27 (2,349)	13686 LBS
2-1640320-2	1369	37X37	70,27 (2,737)	64,27 (2,535)	40,05 (2,550)	59,10 (1,500)	67,67 (2,669)	61,27 (2,428)	14587 LBS
2-1640320-3	1444	38X38	72,27 (2,820)	66,27 (2,614)	41,05 (2,600)	60,10 (1,500)	69,67 (2,748)	63,27 (2,507)	15528 LBS
2-1640320-4	1521	39X39	74,27 (2,903)	68,27 (2,693)	42,05 (2,650)	61,10 (1,500)	71,67 (2,827)	65,27 (2,586)	16509 LBS
2-1640320-5	1600	40X40	76,27 (2,982)	70,27 (2,772)	43,05 (2,700)	62,10 (1,500)	73,67 (2,906)	67,27 (2,665)	17530 LBS
2-1640320-6	1681	41X41	78,27 (3,061)	72,27 (2,851)	44,05 (2,750)	63,10 (1,500)	75,67 (2,985)	69,27 (2,744)	18591 LBS
2-1640320-7	1764	42X42	80,27 (3,140)	74,27 (2,930)	45,05 (2,800)	64,10 (1,500)	77,67 (3,064)	71,27 (2,823)	19692 LBS
2-1640320-8	1850	43X43	82,27 (3,219)	76,27 (3,009)	46,05 (2,850)	65,10 (1,500)	79,67 (3,143)	73,27 (2,902)	20833 LBS

ALTERNATE SIZES									
PART NO.	NO. OF CONTACTS	GRID	DIM A	DIM B	DIM C	DIM D	DIM E	DIM G	LOAD
2-1640320-5	324	18X18	32,27 (1,261)	26,27 (1,834)	21,05 (1,900)	40,10 (1,500)	29,67 (1,168)	23,27 (1,916)	3268 LBS
2-1640320-6	441	21X21	38,27 (1,488)	32,27 (1,192)	24,05 (1,950)	42,10 (1,500)	35,67 (1,326)	27,27 (1,083)	4481 LBS
2-1640320-7	576	24X24	44,27 (1,726)	38,27 (1,349)	27,05 (1,900)	46,10 (1,500)	41,67 (1,642)	35,27 (1,322)	5784 LBS
2-1640320-8	729	27X27	50,27 (1,943)	44,27 (1,508)	30,05 (2,050)	49,10 (1,500)	47,67 (1,879)	41,27 (1,559)	7317 LBS

SPECIFICATIONS:
MATERIALS:
 CONDUCTIVE COLUMN: HVC-125.
 INSULATOR: POLYIMIDE.
 FRAME: 94V-0 ULTEM.
MECHANICAL:
 MPI TOTAL LOAD: SEE CHART
APPLICATION:
 THIS SOCKET IS DESIGNED FOR COMPRESSION MOUNT.
 FOR MORE INFORMATION REFERENCE MPI APPLICATION GUIDE,
 P/N 1640905 (BGA).
NOTES: UNLESS OTHERWISE SPECIFIED
 1. INTERPRET DRAWING PER ASME Y14.5M-1994.
 2. DOES NOT INCLUDE VESTIGE OR SURFACE ENRICHMENT.
 3. THE SOLDER MASK ON THE PCB ARRAY MUST BE NO MORE THAN 15 MICRO METERS THICK.
 4. STANDARD CHEMICAL GOLD PLATING IS ACCEPTABLE FOR PCB FAB IN THE USE OF THIS SOCKET.
 5. RoHS COMPLIANT AND CERTIFIED.

BGA PACKAGE SPEC
SCALE = 10X

RECOMMENDED PCB PADS
SCALE = 25X

CUSTOMER DRAWING
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

PRELIMINARY