

MATRIX BGA SOCKET TYPE 1 (1 MM)										
PART NO.	NO. OF CONTACTS	GRID	DIM A	DIM B	DIM C	DIM D	DIM E	DIM G	LOAD	
1640240-1	256	16X16	23.50	17.50	15.00	38.10	29.90	14.50	2546 LBS	
1640240-2	289	17X17	24.50	18.50	16.00	38.10	29.90	14.50	2967 LBS	
1640240-3	324	18X18	25.50	19.50	17.00	38.10	29.90	14.50	3288 LBS	
1640240-4	361	19X19	26.50	20.50	18.00	38.10	29.90	14.50	3609 LBS	
1640240-5	400	20X20	27.50	21.50	19.00	38.10	29.90	14.50	4030 LBS	
1640240-6	441	21X21	28.50	22.50	20.00	38.10	29.90	14.50	4451 LBS	
1640240-7	484	22X22	29.50	23.50	21.00	38.10	29.90	14.50	4872 LBS	
1640240-8	529	23X23	31.50	25.50	23.00	38.10	29.90	14.50	5293 LBS	
1640240-9	576	24X24	31.50	25.50	23.00	38.10	29.90	14.50	5714 LBS	
1-1640240-0	625	25X25	33.50	27.50	24.00	38.10	30.00	24.50	6235 LBS	
1-1640240-1	676	26X26	33.50	27.50	24.00	38.10	30.00	24.50	6756 LBS	
1-1640240-2	729	27X27	35.50	29.50	26.00	38.10	30.00	24.50	7277 LBS	
1-1640240-3	784	28X28	35.50	29.50	26.00	38.10	30.00	24.50	7898 LBS	
1-1640240-4	841	29X29	37.50	31.50	27.00	38.10	30.00	24.50	8419 LBS	
1-1640240-5	900	30X30	37.50	31.50	27.00	38.10	30.00	24.50	8940 LBS	
1-1640240-6	961	31X31	39.50	33.50	29.00	38.10	30.00	24.50	9561 LBS	
1-1640240-7	1024	32X32	39.50	33.50	29.00	38.10	30.00	24.50	10182 LBS	
1-1640240-8	1089	33X33	41.50	35.50	31.00	38.10	30.00	24.50	10803 LBS	
1-1640240-9	1156	34X34	41.50	35.50	31.00	38.10	30.00	24.50	11424 LBS	
2-1640240-0	1225	35X35	44.00	38.00	34.00	50.00	41.40	35.00	12240 LBS	
2-1640240-1	1296	36X36	44.00	38.00	34.00	50.00	41.40	35.00	12861 LBS	
2-1640240-2	1369	37X37	44.00	38.00	34.00	50.00	41.40	35.00	13482 LBS	
2-1640240-3	1444	38X38	46.50	40.50	37.00	50.00	43.50	37.50	14303 LBS	
2-1640240-4	1521	39X39	46.50	40.50	37.00	50.00	43.50	37.50	14924 LBS	
2-1640240-5	1600	40X40	49.00	43.00	39.00	52.00	46.00	40.00	15745 LBS	
2-1640240-6	1681	41X41	49.00	43.00	39.00	52.00	46.00	40.00	16366 LBS	
2-1640240-7	1764	42X42	51.50	45.50	41.00	52.00	48.00	42.00	17187 LBS	
2-1640240-8	1849	43X43	51.50	45.50	41.00	52.00	48.00	42.00	17808 LBS	
2-1640240-9	1936	44X44	51.50	45.50	41.00	52.00	48.00	42.00	18429 LBS	
3-1640240-0	2025	45X45	54.00	48.00	44.00	62.00	51.40	45.00	20180 LBS	
3-1640240-1	2116	46X46	54.00	48.00	44.00	62.00	51.40	45.00	20801 LBS	
3-1640240-2	2209	47X47	54.00	48.00	44.00	62.00	51.40	45.00	21422 LBS	
3-1640240-3	2304	48X48	56.50	50.50	47.00	62.00	53.50	47.50	22243 LBS	
3-1640240-4	2401	49X49	56.50	50.50	47.00	62.00	53.50	47.50	22864 LBS	
3-1640240-5	2500	50X50	57.50	51.50	48.00	62.00	54.50	48.50	24085 LBS	
3-1640240-6	256	16X16	24.50	18.50	16.00	38.10	29.90	14.50	2546 LBS	
3-1640240-7	289	17X17	25.50	19.50	17.00	38.10	29.90	14.50	2967 LBS	
3-1640240-8	324	18X18	26.50	20.50	18.00	38.10	29.90	14.50	3288 LBS	
3-1640240-9	361	19X19	27.50	21.50	19.00	38.10	29.90	14.50	3609 LBS	
4-1640240-0	576	24X24	33.50	27.50	24.00	38.10	30.00	24.50	5714 LBS	

ALTERNATE SIZES										
PART NO.	NO. OF CONTACTS	GRID	DIM A	DIM B	DIM C	DIM D	DIM E	DIM G	LOAD	
3-1640240-6	256	16X16	24.50	18.50	16.00	38.10	29.90	14.50	2546 LBS	
3-1640240-7	289	17X17	25.50	19.50	17.00	38.10	29.90	14.50	2967 LBS	
3-1640240-8	324	18X18	26.50	20.50	18.00	38.10	29.90	14.50	3288 LBS	
3-1640240-9	361	19X19	27.50	21.50	19.00	38.10	29.90	14.50	3609 LBS	
4-1640240-0	576	24X24	33.50	27.50	24.00	38.10	30.00	24.50	5714 LBS	

REV.	DESCRIPTION	DATE	BY	CHKD.	APP'D.
1	ISSUE FOR PRODUCTION	11-13-02	W. ALDEN		
2	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
3	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
4	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
5	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
6	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
7	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
8	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
9	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
10	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
11	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		

DO NOT SCALE	DATE	BY	CHKD.	APP'D.
11-13-02	W. ALDEN			
12-12-02	W. ALDEN			
12-12-02	W. ALDEN			
12-12-02	W. ALDEN			
12-12-02	W. ALDEN			

PROPERTY	DATE	BY	CHKD.	APP'D.
11-13-02	W. ALDEN			
12-12-02	W. ALDEN			
12-12-02	W. ALDEN			
12-12-02	W. ALDEN			
12-12-02	W. ALDEN			

REVISION	DATE	BY	CHKD.	APP'D.
1	11-13-02	W. ALDEN		
2	12-12-02	W. ALDEN		
3	12-12-02	W. ALDEN		
4	12-12-02	W. ALDEN		
5	12-12-02	W. ALDEN		
6	12-12-02	W. ALDEN		
7	12-12-02	W. ALDEN		
8	12-12-02	W. ALDEN		
9	12-12-02	W. ALDEN		
10	12-12-02	W. ALDEN		
11	12-12-02	W. ALDEN		

REV.	DESCRIPTION	DATE	BY	CHKD.	APP'D.
1	ISSUE FOR PRODUCTION	11-13-02	W. ALDEN		
2	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
3	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
4	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
5	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
6	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
7	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
8	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
9	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
10	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		
11	ISSUE FOR PRODUCTION	12-12-02	W. ALDEN		

SPECIFICATIONS:

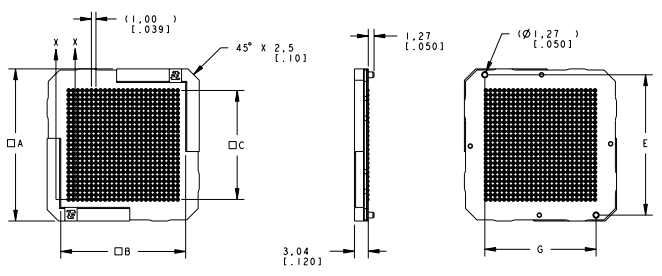
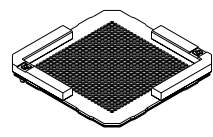
MATERIALS:
 CONDUCTIVE COLUMN: HXC-125.
 INSULATOR: POLYIMIDE.
 FRAME: 94V-0 ULTEM.

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

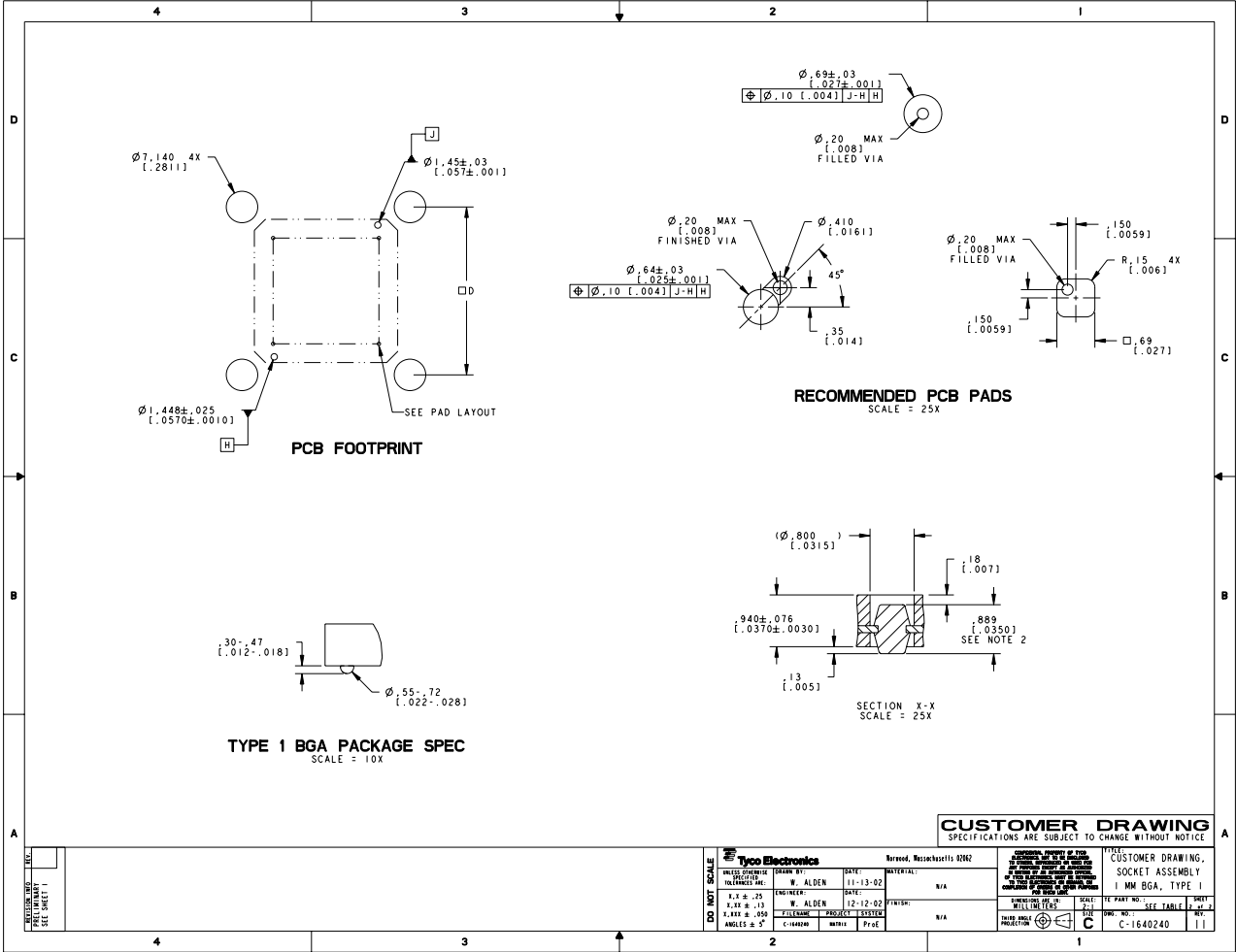
- INTERPRET DRAWING PER ASME Y14.5M-1994.
- DOES NOT INCLUDE VESTIGE OR SURFACE ENRICHMENT.
- THE SOLDER MASK ON THE PCB ARRAY MUST BE NO MORE THAN 15 MICRO METERS THICK.
- STANDARD CHEMICAL GOLD PLATING IS ACCEPTABLE FOR PCB FAB IN THE USE OF THIS SOCKET.
- RoHS COMPLIANT AND CERTIFIED.



PRELIMINARY

CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



CUSTOMER DRAWING

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

REVISIONS:
DATE:
BY:
APP.:
DESCRIPTION:

DESIGN NO:	REV:	DATE:
BY:	APP.:	DATE:
PROJECT:	SHEET:	TITLE:

Tycos Electronics Barre, Massachusetts 02962	DRAWN BY: W. ALDEN DATE: 11-13-02 CHECKED BY: W. ALDEN DATE: 12-12-02 PROJECT: SYSTEM SHEET: 1 OF 1	MATERIAL: N/A FINISH: N/A
--	--	------------------------------

CUSTOMER DRAWING SOCKET ASSEMBLY 1 MM BGA, TYPE 1	SCALE: C SHEET NO.: C-1640240 REV.: 1.1
---	---