

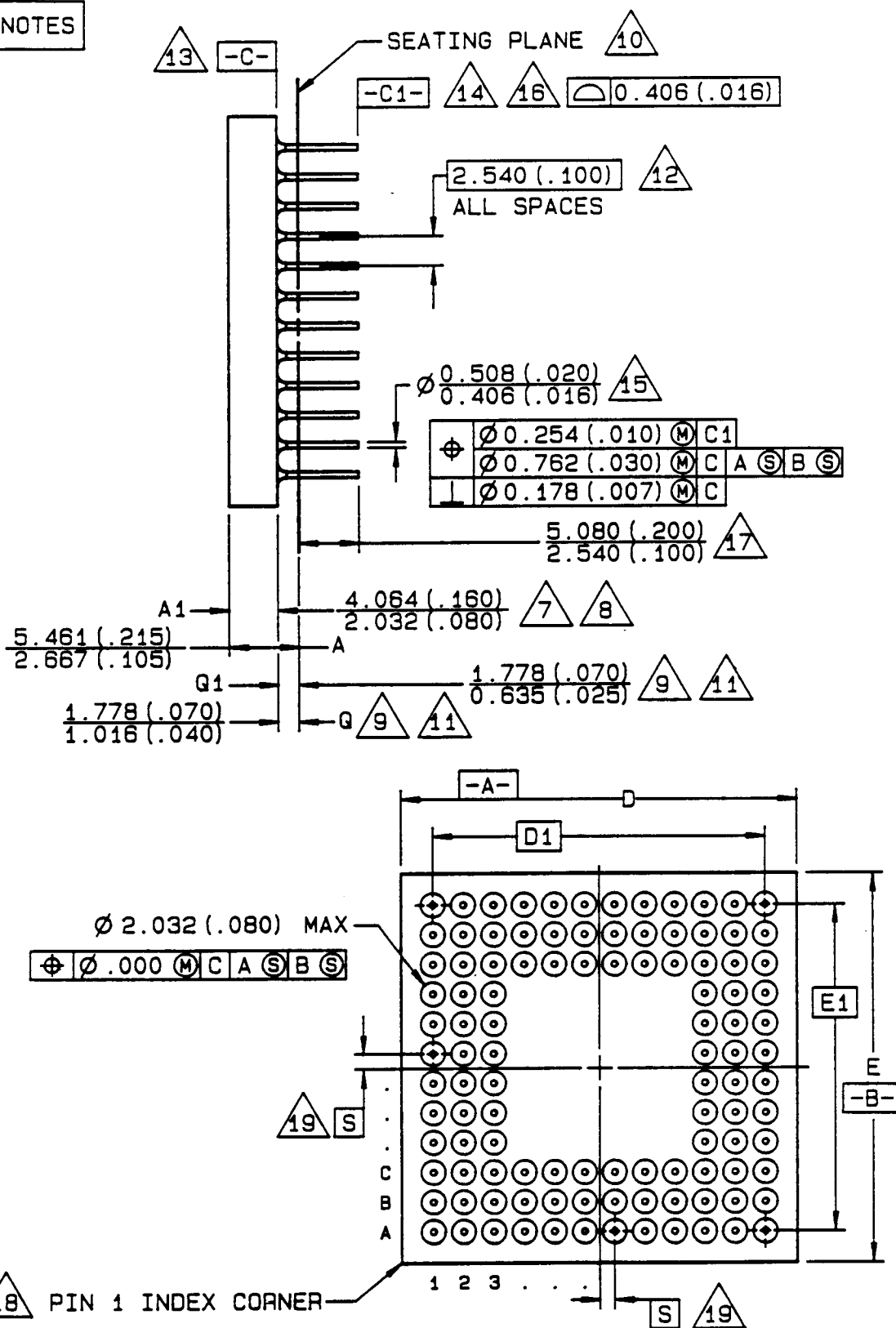
MO-083

.100" CENTER

PLASTIC

PIN GRID ARRAY FAMILY

△ SEE NOTES



X-01128-01 REV 2

JEDEC
SOLID STATE
PRODUCT OUTLINE

TITLE: .100° CENTER
PLASTIC PIN GRID
ARRAY FAMILY

ISSUE
A

DATE
12/83

MO-083
SHEET 1 of 5

SYMBOL	VARIATIONS (DIMENSIONS IN INCHES)												
	AA		NOTE	AB		NOTE	AC		NOTE	AD		NOTE	
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		
D	.940	.980	20	1.040	1.080	20	1.140	1.180	20	1.240	1.280	20	
D1	.800 BSC			.900 BSC			1.000 BSC			1.100 BSC			
E	.940	.980	20	1.040	1.080	20	1.140	1.180	20	1.240	1.280	20	
E1	.800 BSC			.900 BSC			1.000 BSC			1.100 BSC			
M	9		4	10		4	11		4	12		4	
N	---	81	5	---	100	5	---	121	5	---	144	5	
S	.000 BSC		19	.050 BSC		19	.000 BSC		19	.050 BSC		19	
NOTE	1, 2, 3, 6, 9, 18			1, 2, 3, 6, 9, 18			1, 2, 3, 6, 9, 18			1, 2, 3, 6, 9, 18			
	AE		NOTE	AF		NOTE	AG		NOTE	AH		NOTE	
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		
D	1.340	1.380	20	1.440	1.480	20	1.540	1.580	20	1.640	1.680	20	
D1	1.200 BSC			1.300 BSC			1.400 BSC			1.500 BSC			
E	1.340	1.380	20	1.440	1.480	20	1.540	1.580	20	1.640	1.680	20	
E1	1.200 BSC			1.300 BSC			1.400 BSC			1.500 BSC			
M	13		4	14		4	15		4	16		4	
N	---	169	5	---	196	5	---	225	5	---	256	5	
S	.000 BSC		19	.050 BSC		19	.000 BSC		19	.050 BSC		19	
NOTE	1, 2, 3, 6, 9, 18			1, 2, 3, 6, 9, 18			1, 2, 3, 6, 9, 18			1, 2, 3, 6, 9, 18			
	AJ		NOTE	AK		NOTE	AL		NOTE	AM		NOTE	
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		
D	1.740	1.780	20	1.840	1.880	20	1.940	1.980	20	2.040	2.080	20	
D1	1.600 BSC			1.700 BSC			1.800 BSC			1.900 BSC			
E	1.740	1.780	20	1.840	1.880	20	1.940	1.980	20	2.040	2.080	20	
E1	1.600 BSC			1.700 BSC			1.800 BSC			1.900 BSC			
M	17		4	18		4	19		4	20		4	
N	---	289	5	---	324	5	---	361	5	---	400	5	
S	.000 BSC		19	.050 BSC		19	.000 BSC		19	.050 BSC		19	
NOTE	1, 2, 3, 6, 9, 18			1, 2, 3, 6, 9, 18			1, 2, 3, 6, 9, 18			1, 2, 3, 6, 9, 18			
REF. ITEM 11--243													
ISSUE:													
JEDEC SOLID STATE PRODUCT OUTLINE				TITLE: .100" CENTER PLASTIC PIN GRID ARRAY FAMILY				ISSUE A		DATE 12/88		MO-083 SHEET 2 of 5	

S- Y M B O L	VARIATIONS (DIMENSIONS IN MILLIMETERS)											
	AA		N O T E	AB		N O T E	AC		N O T E	AD		N O T E
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.	
D	23.88	24.89	20	26.42	27.43	20	28.96	29.97	20	31.50	32.51	20
D1	20.32 BSC			22.86 BSC			25.40 BSC			27.94 BSC		
E	23.88	24.89	20	26.42	27.43	20	28.96	29.97	20	31.50	32.51	20
E1	20.32 BSC			22.86 BSC			25.40 BSC			27.94 BSC		
M	9		4	10		4	11		4	12		4
N	---	81	5	---	100	5	---	121	5	---	144	5
S	.00 BSC		19	1.27 BSC		19	.00 BSC		19	1.27 BSC		19
NOTE	1 2 3, 6, 9, 18			1 2 3, 6, 9, 18			1 2 3, 6, 9, 18			1 2 3, 6, 9, 18		
	AE		N O T E	AF		N O T E	AG		N O T E	AH		N O T E
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.	
D	34.04	35.05	20	36.58	37.59	20	39.12	40.13	20	41.66	42.67	20
D1	30.48 BSC			33.02 BSC			35.56 BSC			38.10 BSC		
E	34.04	35.05	20	36.58	37.59	20	39.12	40.13	20	41.66	42.67	20
E1	30.48 BSC			33.02 BSC			35.56 BSC			38.10 BSC		
M	13		4	14		4	15		4	16		4
N	---	169	5	---	196	5	---	225	5	---	256	5
S	.00 BSC		19	1.27 BSC		19	.00 BSC		19	1.27 BSC		19
NOTE	1 2 3, 6, 9, 18			1 2 3, 6, 9, 18			1 2 3, 6, 9, 18			1 2 3, 6, 9, 18		
	AJ		N O T E	AK		N O T E	AL		N O T E	AM		N O T E
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.	
D	44.20	45.21	20	46.74	47.75	20	49.28	50.29	20	51.82	52.83	20
D1	40.64 BSC			43.18 BSC			45.72 BSC			38.10 BSC		
E	44.20	45.21	20	46.74	47.75	20	49.28	50.29	20	51.82	52.83	20
E1	40.64 BSC			43.18 BSC			45.72 BSC			38.10 BSC		
M	17		4	18		4	19		4	20		4
N	---	289	5	---	324	5	---	361	5	---	400	5
S	.00 BSC		19	1.27 BSC		19	.00 BSC		19	1.27 BSC		19
NOTE	1 2 3, 6, 9, 18			1 2 3, 6, 9, 18			1 2 3, 6, 9, 18			1 2 3, 6, 9, 18		
REF. ITEM 11-243												
ISSUE:												
JEDEC SOLID STATE PRODUCT OUTLINE			TITLE: 2.54 mm CENTER PLASTIC PIN GRID ARRAY FAMILY			ISSUE A		DATE 12/88		MO-083 SHEET 3 of 5		

NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982
2. REFER TO APPLICABLE SYMBOL LIST
3. TERMINAL POSITION DESIGNATION PER JEDEC PUBLICATION 95, SECTION 2.2-5.
4. SYMBOL 'M' REPRESENTS THE PGA PIN MATRIX SIZE.
5. SYMBOL 'N' REPRESENTS THE MAXIMUM POSSIBLE NUMBER OF PINS.
6. 11 X 11 AND 12 X 12 MATRIX SIZES ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY.
7. DIMENSIONS A & A1 INCLUDE BOTH THE PACKAGE BODY AND THE LID FOR EITHER CAVITY-UP OR CAVITY-DOWN CONFIGURATION. (SEE SHT 5)
8. DIMENSIONS A & A1 DO NOT INCLUDE HEATSINK OR OTHER ATTACHED FEATURES.
9. STAND-OFFS ARE OPTIONAL, BUT SHOULD BE LOCATED ON THE PIN MATRIX DIAGONALS WHEN PRESENT.
10. SEATING PLANE IS DEFINED BY STAND-OFFS WHEN PRESENT.
11. DIMENSION G APPLIES TO CAVITY-UP CONFIGURATION ONLY. DIMENSION G1 APPLIES TO CAVITY-DOWN CONFIGURATION ONLY. (SEE SHT 5)
12. ALL PINS ARE REQUIRED TO BE ON 2.540 (.100) GRID SPACING
13. -C- REFERENCE PLANE IS THE PLANE OF PIN TO PACKAGE INTERFACE.
14. -C1- IS THE PLANE OF PIN TIPS.
15. PIN DIAMETER EXCLUDES SOLDER DIP OR OTHER CUSTOM FINISHES.
16. PIN TIPS MAY HAVE A RADIUS OR CHAMFER.
17. PIN GRID ARRAY PACKAGES WHICH ARE TO BE USED IN SOCKETS MAY REQUIRE A MINIMUM INSERTABLE PIN LENGTH OF 3.175 (.125).
18. THERE MUST BE SOME TYPE OF A CORNER IDENTIFICATION ON BOTH TOP AND BOTTOM SURFACES OF THE PACKAGES. IDENTIFICATION TYPE IS OPTIONAL AND MAY CONSIST OF NOTCHES, CHAMFER, ID PINS, METALLIZATION OR OTHER FEATURE. FEATURES ON BOTH SURFACES ARE NOT REQUIRED TO BE IDENTICAL.
19. S IS MEASURED WITH RESPECT TO -A- AND -B-
20. CONTROLLING DIMENSION: INCH

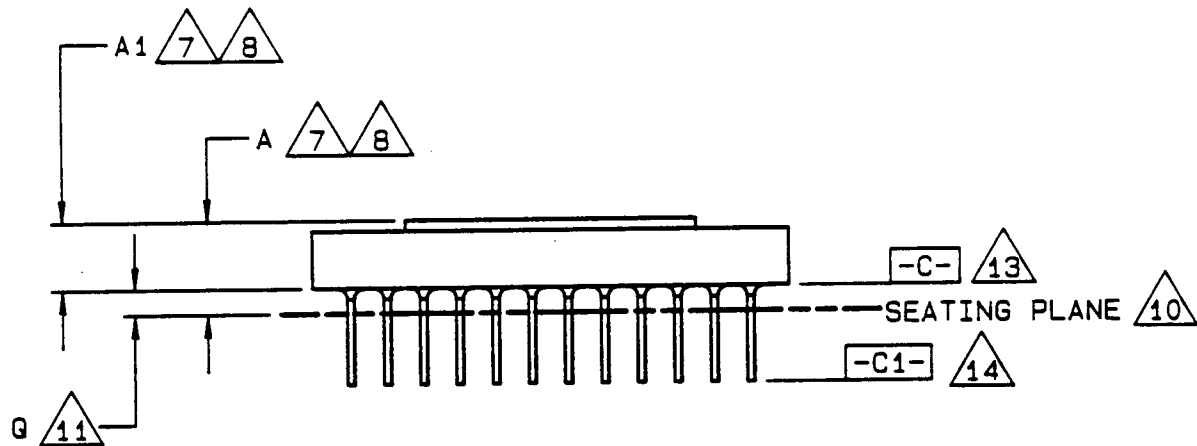
V 2

I-C

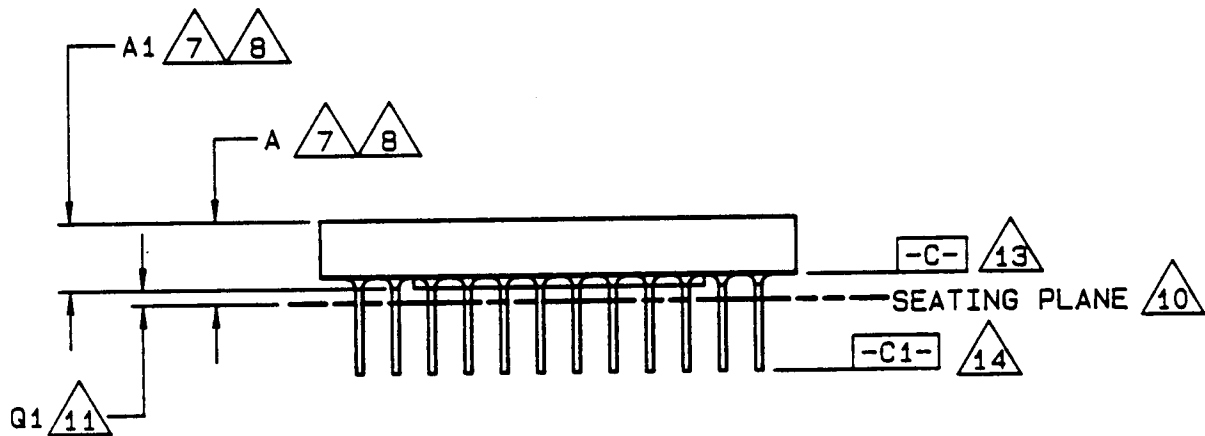
X-

<p>JEDEC SOLID STATE PRODUCT OUTLINE</p>	<p>TITLE: .100" CENTER PLASTIC PIN GRID ARRAY FAMILY</p>	<p>ISSUE A</p>	<p>DATE 12/38</p>	<p>MO-083 SHEET 4 of 5</p>
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REFERENCE DRAWING



CAVITY UP



CAVITY DOWN

X-01128-05 REV 2

JEDEC
 SOLID STATE
 PRODUCT OUTLINE

TITLE: .100" CENTER
 PLASTIC PIN GRID
 ARRAY FAMILY

ISSUE
 A

DATE
 12/98

MO-083
 SHEET 5 of 5