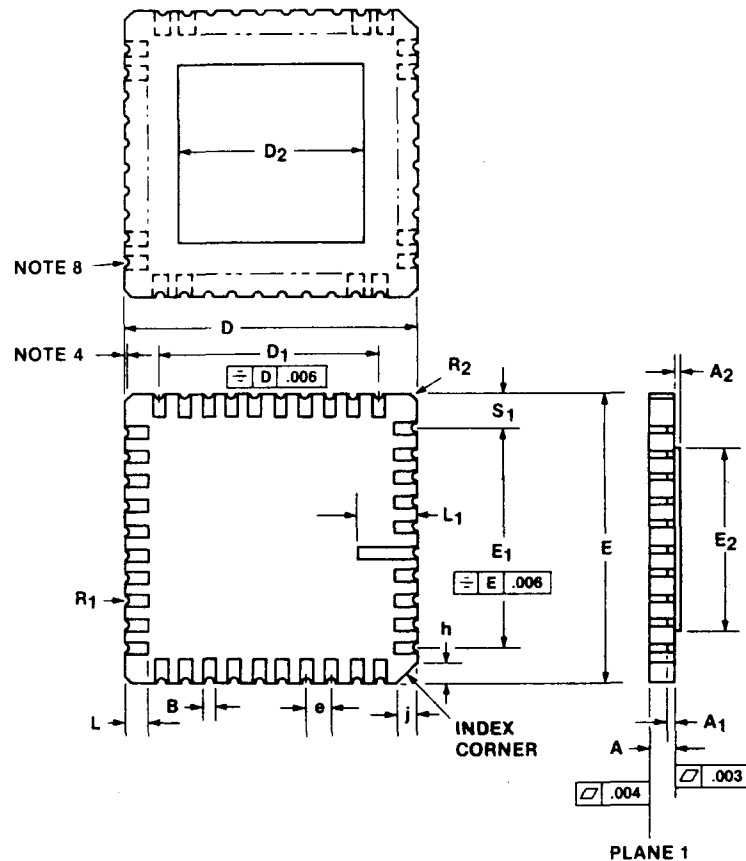


MS009

.040" CENTER PACKAGE



NOTES:

1. REFER TO APPLICABLE SYMBOL LIST.
2. DIMENSIONING AND TOLERANCING PER ANSI Y14.5 1973.
3. METALLIZED CORNER CASTELLATIONS PERMISSIBLE.
4. BURR PERMISSIBLE ON OUTSIDE EDGES WITHIN DIMENSIONS SHOWN.
5. N IS THE MAXIMUM QUANTITY OF TERMINAL POSITIONS. REFER TO TERMINAL NUMBERING CONVENTION.
6. TERMINALS TO BE CENTERED ABOUT NOTCHES WITHIN $\pm .002"$ (.050mm)
7. TERMINAL SPACING TOLERANCE IS NON-CUMULATIVE WITHIN TOLERANCE LIMITATIONS OF INDICATED AREAS.
8. TERMINAL METALLIZATION OF EDGES AND OPPOSITE SIDE OPTIONAL.
9. TERMINAL EXTENDED ON PLANE 1 FOR ELECTRICAL/OPTICAL ORIENTATION/HANDLING PURPOSES.
10. CONTROLLING DIMENSION: INCH.

NOTE				
REF.				
ISSUE				
JEDEC SOLID STATE PRODUCT OUTLINES		TITLE .040" CENTER PACKAGES	ISSUE A	DATE 9/29/80
		MS009		

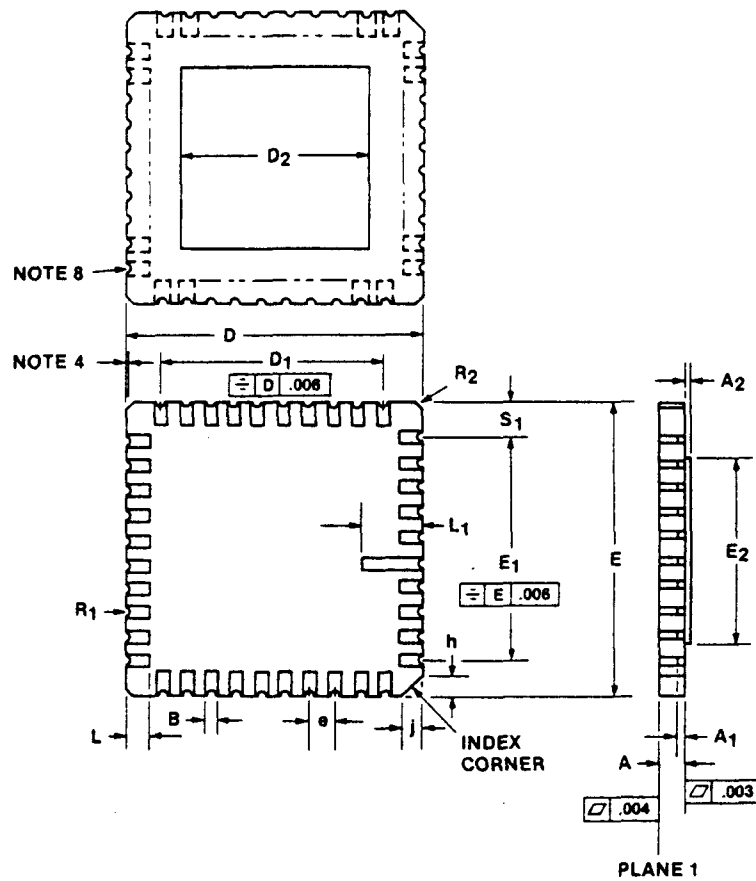
ALL DIMENSIONS SHOWN IN INCHES

SYMBOL	VARIATIONS											
	AA		NOTE	AB		NOTE	AC		NOTE	AD		NOTE
	MIN.	MAX.		MIN.	MAX		MIN.	MAX		MIN.	MAX.	
A	.030	.060		.045	.075		.045	.075		.045	.075	
A ₁	.015	.030	8	.015	.030	8	.015	.030	8	.015	.030	8
A ₂	.010	.035		.010	.035		.010	.035		.010	.035	
B	.017	.023	6	.017	.023	6	.017	.023	6	.017	.023	6
D	.230	.245	4	.325	.340	4	.345	.360	4	.415	.430	4
D ₁	.115	.125		.155	.165		.195	.205		.275	.285	
D ₂	.210	.225		.295	.310		.310	.330		.370	.400	
E	.230	.245	4	.325	.340	4	.345	.360	4	.415	.430	4
E ₁	.115	.125		.155	.165		.195	.205		.275	.285	
E ₂	.210	.225		.295	.310		.310	.330		.370	.400	
e	.037	.043		.037	.043		.037	.043		.037	.043	
h	.028 BSC			.028 BSC			.028 BSC			.028 BSC		
i	.028 BSC			.028 BSC			.028 BSC			.028 BSC		
L	.033	.047		.033	.047		.033	.047		.033	.047	
L ₁	.077	.093	9	.077	.093	9	.077	.093	9	.077	.093	9
N	16		5	20		5	24		5	32		5
R ₁	.0075 REF			.0075 REF			.0075 REF			.0075 REF		
R ₂	.0075 REF		3	.0075 REF		3	.0075 REF		3	.0075 REF		3
S ₁	.050	.065		.080	.095		.070	.085		.065	.080	

ALL DIMENSIONS SHOWN IN MILLIMETERS

SYMBOL	VARIATIONS												
	AA		NOTE	AB		NOTE	AC		NOTE	AD		NOTE	
	MIN.	MAX.		MIN.	MAX		MIN.	MAX		MIN.	MAX.		
A	.77	1.52		1.15	1.90		1.15	1.90		1.15	1.90		
A ₁	.39	.76	8	.39	.76	8	.39	.76	8	.39	.76	8	
A ₂	.26	.88		.26	.88		.26	.88		.26	.88		
B	.432	.584	6	.432	.584	6	.432	.584	6	.432	.584	6	
D	5.85	6.22	4	8.26	8.63	4	8.77	9.14	4	10.55	10.92	4	
D ₁	2.93	3.17		3.94	4.19		4.96	5.20		6.99	7.23		
D ₂	5.34	5.71		7.50	7.87		7.88	8.38		9.40	10.16		
E	5.85	6.22	4	8.26	8.63	4	8.77	9.14	4	10.55	10.92	4	
E ₁	2.93	3.17		3.94	4.19		4.96	5.20		6.99	7.23		
E ₂	5.34	5.71		7.50	7.87		7.88	8.38		9.40	10.16		
e	.940	1.092		.940	1.092		.940	1.092		.940	1.092		
h	.71 BSC			.71 BSC			.71 BSC			.71 BSC			
i	.71 BSC			.71 BSC			.71 BSC			.71 BSC			
L	.84	1.19		.84	1.19		.84	1.19		.84	1.19		
L ₁	1.96	2.36	9	1.96	2.36	9	1.96	2.36	9	1.96	2.36	9	
N	16		5	20		5	24		5	32		5	
R ₁	.19 REF			.19 REF			.19 REF			.19 REF			
R ₂	.19 REF		3	.19 REF		3	.19 REF		3	.19 REF		3	
S ₁	.27	1.65		2.04	2.41		1.78	2.15		1.66	2.03		
NOTE	1, 2, 7, 10			1, 2, 7, 10			1, 2, 7, 10			1, 2, 7, 10			
REF.													
ISSUE													
JEDEC SOLID STATE PRODUCT OUTLINES				TITLE 040" CENTER PACKAGES				ISSUE A		DATE 9/29/80		MS009	

STANDARD



ANDARD

NOTES:

1. REFER TO APPLICABLE SYMBOL LIST.
2. DIMENSIONING AND TOLERANCING PER ANSI Y14.5 1973.
3. METALLIZED CORNER CASTELLATIONS PERMISSIBLE.
4. BURR PERMISSIBLE ON OUTSIDE EDGES WITHIN DIMENSIONS SHOWN.
5. N IS THE MAXIMUM QUANTITY OF TERMINAL POSITIONS. REFER TO TERMINAL NUMBERING CONVENTION.
6. TERMINALS TO BE CENTERED ABOUT NOTCHES WITHIN $\pm .002"$ (.050mm)
7. TERMINAL SPACING TOLERANCE IS NON-CUMULATIVE WITHIN TOLERANCE LIMITATIONS OF INDICATED AREAS.
8. TERMINAL METALLIZATION OF EDGES AND OPPOSITE SIDE OPTIONAL.
9. TERMINAL EXTENDED ON PLANE 1 FOR ELECTRICAL/OPTICAL ORIENTATION/HANDLING PURPOSES.
10. CONTROLLING DIMENSION: INCH.

NOTE				
REF.				
ISSUE				
JEDEC SOLID STATE PRODUCT OUTLINES		TITLE .040" CENTER PACKAGES	ISSUE A	DATE 9/29/80
		MS009		

ALL DIMENSIONS SHOWN IN INCHES

SYMBOL	VARIATIONS											
	AA		NOTE	AB		NOTE	AC		NOTE	AD		NOTE
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.	
A	.030	.060		.045	.075		.045	.075		.045	.075	
A ₁	.015	.030	8	.015	.030	8	.015	.030	8	.015	.030	8
A ₂	.010	.035		.010	.035		.010	.035		.010	.035	
B	.017	.023	6	.017	.023	6	.017	.023	6	.017	.023	6
D	.230	.245	4	.325	.340	4	.345	.360	4	.415	.430	4
D ₁	.115	.125		.155	.165		.195	.205		.275	.285	
D ₂	.210	.225		.295	.310		.310	.330		.370	.400	
E	.230	.245	4	.325	.340	4	.345	.360	4	.415	.430	4
E ₁	.115	.125		.155	.165		.195	.205		.275	.285	
E ₂	.210	.225		.295	.310		.310	.330		.370	.400	
e	.037	.043		.037	.043		.037	.043		.037	.043	
h	.028 BSC			.028 BSC			.028 BSC			.028 BSC		
i	.028 BSC			.028 BSC			.028 BSC			.028 BSC		
L	.033	.047		.033	.047		.033	.047		.033	.047	
L ₁	.077	.093	9	.077	.093	9	.077	.093	9	.077	.093	9
N	16		5	20		5	24		5	32		5
R ₁	.0075 REF			.0075 REF			.0075 REF			.0075 REF		
R ₂	.0075 REF		3	.0075 REF		3	.0075 REF		3	.0075 REF		3
S ₁	.050	.065		.080	.095		.070	.085		.065	.080	

ALL DIMENSIONS SHOWN IN MILLIMETERS

SYMBOL	VARIATIONS											
	AA		NOTE	AB		NOTE	AC		NOTE	AD		NOTE
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.	
A	.77	1.52		1.15	1.90		1.15	1.90		1.15	1.90	
A ₁	.39	.76	8	.39	.76	8	.39	.76	8	.39	.76	8
A ₂	.26	.88		.26	.88		.26	.88		.26	.88	
B	.432	.584	6	.432	.584	6	.432	.584	6	.432	.584	6
D	5.85	6.22	4	8.26	8.63	4	8.77	9.14	4	10.55	10.92	4
D ₁	2.93	3.17		3.94	4.19		4.96	5.20		6.99	7.23	
D ₂	5.34	5.71		7.50	7.87		7.88	8.38		9.40	10.16	
E	5.85	6.22	4	8.26	8.63	4	8.77	9.14	4	10.55	10.92	4
E ₁	2.93	3.17		3.94	4.19		4.96	5.20		6.99	7.23	
E ₂	5.34	5.71		7.50	7.87		7.88	8.38		9.40	10.16	
e	.940	1.092		.940	1.092		.940	1.092		.940	1.092	
h	.71 BSC			.71 BSC			.71 BSC			.71 BSC		
i	.71 BSC			.71 BSC			.71 BSC			.71 BSC		
L	.84	1.19		.84	1.19		.84	1.19		.84	1.19	
L ₁	1.96	2.36	9	1.96	2.36	9	1.96	2.36	9	1.96	2.36	9
N	16		5	20		5	24		5	32		5
R ₁	.19 REF			.19 REF			.19 REF			.19 REF		
R ₂	.19 REF		3	.19 REF		3	.19 REF		3	.19 REF		3
S ₁	.27	1.65		2.04	2.41		1.78	2.15		1.66	2.03	
NOTE 1, 2, 7, 10												
REF												
ISSUE												

JEDEC
SOLID STATE PRODUCT
OUTLINES

TITLE
040" CENTER
PACKAGES

ISSUE DATE
A 9/29/80

MS009

ALL DIMENSIONS SHOWN IN INCHES

SYMBOL	VARIATIONS											
	AE		NOTE	AF		NOTE	AG		NOTE	AH		NOTE
	MIN.	MAX.		MIN.	MAX		MIN.	MAX		MIN.	MAX.	
A	.045	.075		.045	.090		.045	.090		.045	.090	
A ₁	.015	.030	8	.015	.030	8	.015	.030	8	.015	.030	8
A ₂	.010	.035		.010	.035		.010	.035		.010	.035	
B	.017	.023	6	.017	.023	6	.017	.023	6	.017	.023	6
D	.475	.492	4	.554	.572	4	.712	.733	4	.911	.935	4
D ₁	.355	.365		.435	.445		.594	.606		.792	.808	
D ₂	.435	.460		.500	.535		.600	.625		.645	.705	
E	.475	.492	4	.554	.572	4	.712	.733	4	.911	.935	4
E ₁	.355	.365		.435	.445		.594	.606		.792	.808	
E ₂	.435	.460		.500	.535		.600	.625		.645	.705	
e	.037	.043		.037	.043		.037	.043		.037	.043	
h	.028 BSC			.028 BSC			.028 BSC			.028 BSC		
j	.028 BSC			.028 BSC			.028 BSC			.028 BSC		
L	.033	.047		.033	.047		.033	.047		.033	.047	
L ₁	.077	.093	9	.077	.093	9	.077	.093	9	.077	.093	9
N	40		5	48		5	64		5	84		5
R ₁	.0075 REF			.0075 REF			.0075 REF			.0075 REF		
R ₂	.0075 REF		3	.0075 REF		3	.0075 REF		3	.0075 REF		3
S ₁	.055	.070		.055	.070		.055	.070		.055	.070	

ALL DIMENSIONS SHOWN IN MILLIMETERS

SYMBOL	VARIATIONS															
	AE		NOTE	AF		NOTE	AG		NOTE	AH		NOTE				
	MIN.	MAX.		MIN.	MAX		MIN.	MAX		MIN.	MAX.					
A	1.15	1.90	8	1.15	2.28	8	1.15	2.28	8	1.15	2.28	8				
A ₁	.39	.76		.39	.76		.39	.76		.39	.76					
A ₂	.26	.88		.26	.88		.26	.88		.26	.88					
B	.432	.584	6	.432	.584	6	.432	.584	6	.432	.584	6				
D	12.07	12.49	4	14.08	14.52	4	18.09	18.61	4	23.14	23.74	4				
D ₁	9.02	9.27	4	11.05	11.30	4	15.09	15.39	4	20.12	20.52	4				
D ₂	11.05	11.68		12.70	13.58		15.24	15.87		16.39	17.90					
E	12.07	12.49		14.08	14.52		18.09	18.61		23.14	23.74					
E ₁	9.02	9.27	4	11.05	11.30	4	15.09	15.39	4	20.12	20.52	4				
E ₂	11.05	11.68		12.70	13.58		15.24	15.87		16.39	17.90					
e	.940	1.092		.940	1.092		.940	1.092		.940	1.092					
h	.71 BSC			.71 BSC			.71 BSC			.71 BSC						
j	.71 BSC			.71 BSC			.71 BSC			.71 BSC						
L	.84	1.19		.84	1.19		.84	1.19		.84	1.19					
L ₁	1.96	2.36	9	1.96	2.36	9	1.96	2.36	9	1.96	2.36	9				
N	40		5	48		5	64		5	84		5				
R ₁	.19 REF		3	.19 REF		3	.19 REF		3	.19 REF		3				
R ₂	.19 REF			.19 REF			.19 REF			.19 REF						
S ₁	1.40	1.77		1.40	1.77		1.40	1.77		1.40	1.77					
NOTE	1, 2, 7, 10			1, 2, 7, 10			1, 2, 7, 10			1, 2, 7, 10						
REF.																
ISSUE																
JEDEC SOLID STATE PRODUCT OUTLINES				TITLE .040" CENTER PACKAGES				ISSUE A		DATE 9/29/80		MS009				

STANDARD

ALL DIMENSIONS SHOWN IN INCHES

SYMBOL	VARIATIONS										
	AJ		NOTE			NOTE			NOTE		
	MIN.	MAX.		MIN.	MAX		MIN.	MAX		MIN.	MAX.
A	.060	.100									
A ₁	.015	.030	8								
A ₂	.010	.035									
B	.017	.023	6								
D	1.031	1.055	4								
D ₁	.911	.929									
D ₂	.645	.705									
E	1.031	1.055	4								
E ₁	.911	.929									
E ₂	.645	.705									
e	.037	.043									
h	.028 BSC										
i	.028 BSC										
L	.033	.047									
L ₁	.077	.093	9								
N	96		5								
R ₁	.0075 REF										
R ₂	.0075 REF		3								
S ₁	.055	.070									

ALL DIMENSIONS SHOWN IN MILLIMETERS

SYMBOL	VARIATIONS										
	AJ		NOTE			NOTE			NOTE		
	MIN.	MAX.		MIN.	MAX		MIN.	MAX		MIN.	MAX.
A	1.53	2.54									
A ₁	.39	.76	8								
A ₂	.26	.88									
B	.432	.584	6								
D	26.19	26.79	4								
D ₁	23.14	23.59									
D ₂	16.39	17.90									
E	26.19	26.79	4								
E ₁	23.14	23.59									
E ₂	16.39	17.90									
e	.940	1.092									
h	.71 BSC										
i	.71 BSC										
L	.84	1.19									
L ₁	1.96	2.36	9								
N	96		5								
R ₁	.19 REF										
R ₂	.19 REF		3								
S ₁	1.40	1.77									
NOTE	1, 2, 7, 10										
REF.											
ISSUE											
JEDEC SOLID STATE PRODUCT OUTLINES				TITLE .040" CENTER PACKAGES			ISSUE A		DATE 9/29/80		MS009

STANDARD