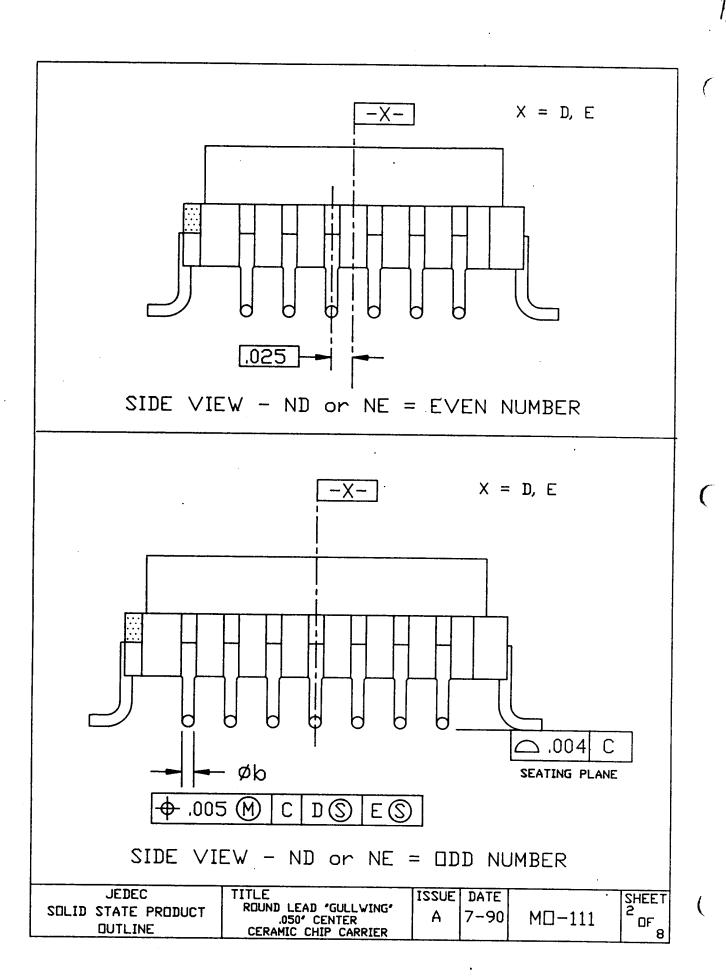
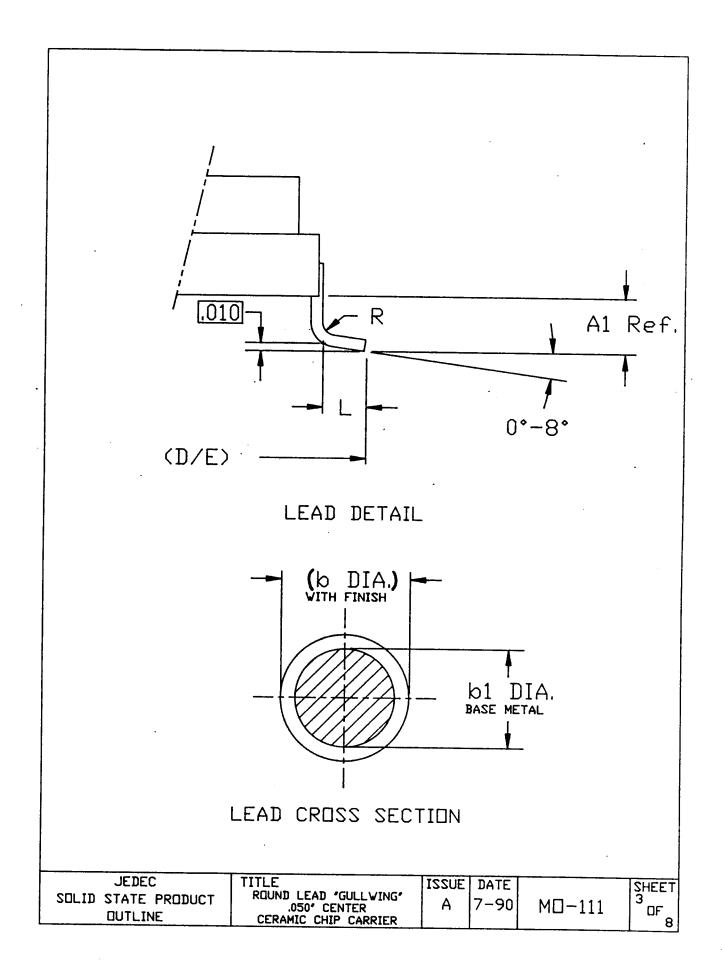


NOTES

- 1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- 2. CONTROLLING DIMENSION: INCH.
- 3. REFER TO SECTION 2.2 FOR SYMBOL LIST.
- 4. PIN NUMBER IS ASCENDING IN THE COUNTERCLOCKWISE DIRECTION PER JEDEC LEADLESS PACKAGE NUMBERING CONVENTION.
- 5. N IS THE NUMBER OF TERMINALS. ND DENOTES NUMBER OF LEADS ON THE TWO NARROW SIDES OF RECTANGULAR PACKAGE. NE DENOTES NUMBER OF LEADS ON THE LONG SIDES OF RECTANGULAR PACKAGE. ND = NE FOR SQUARE PACKAGE.
- 6. FEATURES FOR PIN #1 INDICATOR, ELECTRICAL/OPTICAL ORIENTATION OR HANDLING PURPOSES MUST BE WITHIN THE AREA SHOWN.
- 7. WHEN A WINDOW IS USED, DIMENSIONS "A" AND "A2" MUST INCREASE BY A MINIMUM OF .010 INCH (0.254 mm) AND A MAXIMUM OF .040 INCH (1.02 mm).

JEDEC SOLID STATE PRODUCT	TITLE ROUND LEAD, 'GULLWING'	ISSUE I	DATE 7-90	M∏-111	SHEET 1
OUTLINE	.050° CENTER CERAMIC CHIP CARRIER		7-30	MU-III	OF 8





			VARI	DITA	NS		ALL DI	MENSIO	NS II	MILLME	TERS	 -		
SYMBOL		AA			SYMBOL		AB		II O	SYMBOL		AC		N _Q
2 LUBUL	MIN.	NDM.	MAX.	•	SIMBUL	MIN.	NDM.	MAX.	7	SIMBUL	MIN.	NOM.	MAX.	7.
Α	2.54		5.08	7	Α	2.54		5.08	7	Α	2.54		5.08	7
A1	1.02		2.54		A1	1.02		2.54		A1	1.02		2.54	
A2	1.27		3.05	7	SA	1.27		3.05	7	A2	1.27		3.05	7
A3	0.94		2.24		A3	0.94		2.24		A3	0.94		2.24	1
øb	0.31		.46		øb	0.31		.46		Øb	0.31		.46	
ø b1	0.31	0.36	0.41		ølo1	0.31	0.36	0.41		øb1	0.31	0.36	0.41	
ם	9.20	9.65	10.11	 	D	10.47	10.92	11.38	 	n	11.81	12.19	12.70	
D1	7.42	7.62	7.82	-	Di	8.69	8.89	9.09	 	D1	10.03	10.16	10.41	
	/.TL	7.00	/.O.L		- D.	0.07	0.07	3.03	-	1 21	10.03	10.16	10.41	
D3		3.81 BSC			D3		5.08 BS1	<u>:</u>		D3		6.35 BS	c	
D4			7.42		D4			8.69		D4			10.03	
E	9.20	9.65	10.11		E	10.47	10.92	11.38		E	11.81	12.19	12.70	<u> </u>
Εl	7.42	7.62	7.82		E1	8.69	8.89	9.09		Εı	10.03	10.16	10.41	
E3		3.81 BSC	<u> </u>		E3		5.08 BS((OF 200	<u> </u>	
E4		3.01 B2	7.42	├	E4		2.00 B31	8.69		E3		6.35 BS		
<u> </u>			7.75				 	8.67		<u>t.</u> 4		 	10.03	
R	.381			ļ	R	.381	ļ	ļ		R	.381			
	.762	A7 800		ļ		.762				<u> </u>	.762	<u> </u>	<u> </u>	L
- P	<u>`</u>	.27 BSC			*		1.27 BSC		5			1.27 BSC	<u>; </u>	
ND NE				5	ND	5 5				ND		6		5
NE.		16		4.5	NE N					NE		6		5
NOTE		1,2,3		7,3			EU		4,5	N	L	24		4,5
REF.		10-293												
ISSUE		A			· · · · · · · · · · · · · · · · · · ·									

			Y/	RIAT	IONS			DIMEN	SIUNS	IN INCH	ES			
SYMBOL		AA		9,	SYMBOL	<u> </u>	AB		- "•	SYMBOL		AC		, s
	MIN.	NOM.	MAX.			MIN.	NOM.	MAX.			MIN,	N□M.	MAX.	1,
A	.100		.200	7	A	.100		.200	7	Α	100		.200	7
A1	.040		.100		A1	.040	ļ	.100		A1	.040		.100	
A2	.050		150	7	SA	.050		.120	7	A2	.050		.120	7
A3	.037		.088	<u> </u>	A3	.037		.088		A3	.037		.088	
øb	.012		.018		øb	.012		.018		≢b	.012	L	.018	
#b1	.012	.014	.016	<u> </u>	#b1	.012	.014	.016	-	øb1	.012	.014	.016	ļ <u>.</u>
D	.362	.380	.398		D	.412	.430	.448	+		165	400	E00	
D1	.292	.300	.308	 	Di	.342	.350	.358	-	D D1	.465 .395	.480 .400	.500	
<u> </u>		.300	200			.376	.350	.300		ענ	.373	,400	.410	
D3		.150 BSC	:	-	D3		.200 BS0		+	D3		250 BSC	<u> </u>	
D4			.292		D4			.342		D4			.395	-
				<u> </u>										
Ε	.362	.380	.398	<u> </u>	E .412 .430 .448					Ε	.465	.480	.500	<u> </u>
E1	.292	.300	.308		El	.342	.350	.358		E1	.395	.400	.410	<u> </u>
E3		.150 BSC	-		E3		.200 BS0	<u> </u>	 	E3		250 BSC	<u></u>	
Ε4			292		E4			.342		. E4	·		.395	
	015					04.5					21.5			
R	.015				R	.015			+	R	.015			ļ
L		.050 BSC	<u></u>		L	.030	NEO 1000		 -	<u> </u>	.030			
- QN		.UOU BSC		5	ND		.050 BSC 5	<u>. </u>	5	ND ND		050 BSC	<u>; </u>	
NE NE				5	NE		<u>5</u>		5	NE		6		5
N N		16		4,5	N		20		4,5	N		<u>6</u> 24		4,5
NOTE		1.2.3		.,-					1,70			<u> </u>		1 4,3
REF.		10-293	`											····
ISSUE		A						•		·				
	JE:	DEC		T	TLE	-			ISSUE	DATE			12	HEET
CDLID			דאוותו	1	ROUND L	EAD 'G	ULLWIN						1.4	
2001111	SOLID STATE PRODUCT					O' CEN		1	Α	7-90	ML]-111		OF
		LINE			CERAMIC	CHIP	CARRIE	R		L				8

			VARI	ATIO	NS		ALL DI	MENSIO	NS II	N MILLME	TERS			
SYMBOL		AD		,	SYMBOL		AE		NO _T	SYMBOL		AF		×
STABLE	MIN.	NOM.	MAX.	1,	SIMBUL	MIN.	NOM.	MAX.	T _E	2 I MBUL	MIN.	NDM.	MAX.	H D T
Α	2.54		5.08	7	A	2.54		5.08	7	Α	2.54		5.08	7
A1	1.02		2.54		A1	1.02		2.54		A1	1.02		2.54	
A2	1.27		3.05	7	A2	1.27		3.05	7	SA	1.27		3.05	7
A3	0.94		2.24		A3	0.94		2.24		_ A3	0.94		2.24	
ølo	0.31		0.46		øb	0.31		0.46		øb	0.31		0.46	
øb1	0.31	0.36	0.41		øb1	0.31	0,36	0.41		øb1	0.31	0.36	0.41	
<u> </u>	13.01	13.46	13.92		ם	18.04	18.54	19.05	 	ם	20.55	21.08	21.62	
D1	11.23	11.43	11.63	 	D1	16.26	16.51	16.76	-	D1	18.77	19.05	19.33	
	11,00	11.40				10.20	10.51	10.76			10.77	13.00	17.33	
D3		7.62 BS			D3		12.7 BS0	;		D3	1	5.24 BS	c	
D4			11.23		D4			16.26		D4			18.77	
Ε	13.01	13.46	13.92		Ε	18.04	18.54	19.05	}	E	20.55	21.08	21.62	<u> </u>
Εı	11.23	11.43	11.63		Εī	16.26	16.51	16.76		E1	18.77	19.05	19.33	
E3		7.62 BSC			E3		12.7 BSC	:		E3	1	5.24 BS	С	
E4			11.23		E4			16.26		E4			18.77	
			L	 			L	L		 			<u> </u>	
R	.301				R	.381				R.	.381	F***		
Ļ	.762				L	.762				L	.762			
•		L27 BSC	;		6		1.27 BSC			•		.27 BSC	-	
ND		7		5	ND		11		5	ND		13		5
NE		7		5	NE		11	•	5	NE		13		5
N		58		4,5	N		44		4,5	N		52		4,5
NOTE		123												
REF.		10-293												
ISSUE		Α												

f			VA	RIAT	IONS		ALL	DIMEN	SIUNS	IN INCH	FS.	<u> </u>		
SYMBUL		AD		9,		·	AE					AF		1
SIMBUL	MIN.	NOM.	MAX.	7	SYMBOL	MIN.	NOM.	MAX.	ا ٦٠	SYMBOL	MIN.	NDM.	MAX.	a _T
Α	.100		.200	7	Α	.100		.200	7	A	,100		.200	7
A1	.040	I	700		A1	.040		.100		A1	.040	7	100	
SA.	.050		120	7	A2	.050		.120	7	A2	.050		.120	7
A3	.037		.088		A3	.037		.088		A3	.037		.088	
øb	.012		.018		øb	.012		.018		ølo	.012		.018	
øb1	.012	.014	.016		øb1	.012	.014	.016		øb1	.012	.014	.016	
L														
D	.512	.530	.548	L	D	.710	.730	.750		D	.809	.830	.851	
Di	.442	.450	.458		D1	.640	.650	.660	_	· D1	.739	.750	.761	
72		200 700	<u> </u>		70		500 700	<u> </u>					<u> </u>	
D3 D4		.300 B20			D3		.500 BS0			D3		.600 BSC		
<u> </u>			.442		D4			.640	- 	D4			.739	
E	.512	.530	.548		Ε	.710	.730	.750	+	E	.809	.830	.851	
E1	.442	.450	.458		Ei	.640	.650	.660	+	E1	.739	.750	.761	-
						13.13	1000		-		.,, 0,2	17.00	., 0.	
E3		.300 BSC	:		E3		500 BS0			E3		.600 BSC	<u></u>	
E4			.442		E4			.640		E4			.739	
		<u></u>	l					l						
	046	т				205			4			,		
R	.015 .030	ļi			R	.015		<u> </u>		R	.015			
		OFO DOC	Ļi	<u> </u>	<u> </u>	.030	OFO DO	<u> </u>		<u>L</u>	.030		<u> </u>	ļ
ND		.050 BSC		<u> </u>	ND ND	<u> </u>	050 BS0	-	 -			.050 BSC	<u>: </u>	
NE				5	NE		11		5	ND NE		13 13		5
N N		28		4,5	N		44		4,5	N		52		5
NOTE		1,2,3		7,3		L	77		1 4,3		L	JE		4,5
REF.		10~293								······································				
ISSUE		A				· · · · · · · · · · · · · · · · · · ·								
	JF1	DEC		TI	TLE			1	ISSUE	DATE			121	HEET
CDI TT			דסוומו	1''	ROUND LI	EAD 'G	ULLWIN				.,_		5	
20LII		re pro	ו אחתו		.05	O' CEN	TER		Α	7-90	ML]-111	. `	OF
 	ידטם	LINE		1	CERAMIC	CHIP	CARRIE	R					1	8

			VARI	ATIO	NS		ALL DI	MENSIO	NS II	N MILLME	TERS			
SYMBOL		AG		NO.	SYMBOL		AH		No.	SYMBOL				N _D ,
	MIN.	NDM.	MAX.		STIBUL	MIN.	NDM.	MAX.		STRIBUL	MIN.	NDM.	MAX.	
<u> </u>	2.54		5.08	7	A	2.54		5.08	7	Α				
Al	1.02	<u> </u>	2.54		A1	1.02		2.54		A1				
A2	1.27		3.05	7	SA	1.27		3.05	7_	A2				
A3	0.94		2.24		A3	0.94		2.24		A3				\vdash
₽b	0.31		0.46		øb	0.31		0.46		øb				
øb1	0.31	0.36	0,41		øb1	0.31	0.36	0.41		øb1				
D	25.61	26.16	26.72		D	30.61	31,24	31.88	<u> </u>	ם	 -	ļ		├
D1	23.83	24.14	24.43		D1	28.83	29.21	29.59	<u> </u>	<u>D1</u>				
D3		0.32 BS	<u></u>		D3		75 4 70							
D3		.u.3c b3	23.83		D3		25.4 BS		 	D3				
דע			23.03		אַע			28.83		D4		 		
E	25.61	26.16	26.72		E	30.61	31.24	31.88		Ε		 -		-
E1	23.83	24.14	24.43		El	28.83	29.21	29.59		El				
E3	2	0.32 BS	C		E3		25.4 BS0	3	<u> </u>	E3		L	l	
E4			23.83		E4			28.83		E4				
			L		ļ		L	L				L		ļ
R	.381				R	.381				R				
<u> </u>	.762				L	.762				L				
•		.27 B SC		·	•		.27 BSC			Q . 523;		41.		
ND		17		5	ND		21		5	ND	.•			
NE		17		5	NE		21		5	NE				
N		68		4,5	N		84		4,5	N				
NOTE		1,2,3												
REF.		10-293												
ISSUE		Α												

			VA	RIAT	IONS		ALL	DIMEN	SIONS	IN INCH	ES			
SYMBOL		AG			SYMBOL		AH		- ",]	SYMBOL				10,
	MIN.	NOM.	MAX.			MIN.	NOM.	MAX.	'.	3 I FIDUL	MIN.	NDM.	MAX.	1
A	.100		.200	7	A	.100		.200	7	A				
A1	.040	<u> </u>	.100		A1	.040		.100		A1				T
A2	.050		.120	7	A2	.050		.120	7	A2				I
A3	.037		.088	<u> </u>	A3	.037		.088		A3				
Øb	.012		.018		øb	.012		.018		ølo				
∌b1	.012	.014	.016	<u> </u>	øb1	.012	.014	.016	1	øb1				<u> </u>
D	1.008	1.030	1.052	 	D	1.205	1.23	1.255	+	ď		├	 	┼
D1	.938	.950	.962		D1	1.135	1.150	1.165		D1				
D3		.800 BS0	Ļ	<u> </u>	D3		.000 BS	<u> </u>		D3	•		L	
D4		.500 B30	.938		D4		200 83	1.135	+	D3		τ		
<u>E</u>	1.008	1.030	1.052		E 1.205 1.23 1.25					Ε				
El	.938	.950	.962		E1 1.135 1.150 1.165					E1				<u> </u>
E3		.800 BSC	-		E3		.000 BS	<u></u>	1-1	E3		L	L	├
E4			.938		E4			1.135		E4				
	015	·										· · · · · · · · · · · · · · · · · · ·	L	
R	.015	 	ļ		R	.015				R			<u> </u>	<u> </u>
		.050 BSC	<u> </u>		L L	.030	050 BSC	Ļ——		<u> </u>		L	L	├ ─
ND		17	'	5	ND	<u> </u>	21		5	ND				
NE.		17		3	NE		21		1 5	NE				
N		68		4,5	N		84		4,5	N				
NOTE		1,2,3									·			
REF.		10-293												
ISSUE		Α									··········			
	JE1	DEC			TLE				ISSUE	DATE				HEET
SOLIE		E PRE	DUCT			O' CENT	TER		Α	7-90	ME]-111	6	DF
·	UUTI	LINE			CERAMIC	CHIP	CARRIE	R		<u> </u>				8

			VARI	ATIO	NS		ALL DI	MENSIO	II ZN	MILLME	TERS			
SYMBOL		BA		0,7	SYMBOL		BB					BC		No ₇
3 I MDUL	MIN.	NOM.	MAX.	\ \frac{1}{8}	SIMBUL	MIN.	NDM.	MAX.	1 Tay	SYMBOL	MIN.	NDM.	MAX.	1 7.
Α	2.54		5.08	7	Α	2.54		5.08	7	Α	2.54		5.08	7
A1	1.02		2.54		A1	1.02		2.54		A1	1.02		2.54	
A2	1.27		3.05	7	A2	1.27		3.05	7	A2	1.27		3.05	7
A3	0.94		2.24		A3	0.94		2.24		A3	0.94		2.24	
øb	0.31		0.46		øb	0.31		0.46		øb	0.31		0.46	
øb1	0.31	0.36	0.41		øb1	0.31	0.36	0.41		øb1	0.31	0.36	0.41	
D C	8.89	9.27	10.03	 	D	8.89	9.27	10.03	 	D	8.89	9.27	10.03	
Dţ	7.11	7.24	7.75		D1	7.11	7.24	7.75		Di	7.11	7.24	7.75	
D3		3.81 BSC	<u> </u>		D3		3.81 BS0	<u> </u>		D3		2.01. 000		
D4		2.01 B20	7.11		D4		3.51 B30	7.11		D4		3.81 BS0	7.11	
Ε	12.37	13.08	13.46	-	E	12.37	13.08	13.46	ļ	E	13.97	14.40	14.00	
E1	10.59	11.05	11.18	 	Εī	10.59	11.05	11.18	 	E1	12.19	14.48	14.99	├
E3		5.08 BSC			E3		6.35 BS			E3		7.62 BSC		
E4			8.69		E4		 	10.59	 	E4			12.19	-
								<u> </u>				<u> </u>		
R	.381			<u> </u>	R	.381	<u> </u>		L	R	.381			
	.762		<u> </u>	Ļ	L	.762	<u> </u>		<u> </u>	L	.762		<u></u>	
•		1.27 BSC	<u>; </u>	<u> </u>	_ e		1.27 BSC	<u> </u>		•		1.27 BSC	<u> </u>	
ND		4		5	ND		4		5	ND		4		5
NE		5		5	NE		6		5	NE		7		5
NOTE		18		4,5	N		20		4,5	N		55		4,5
REF.		10-293												
ISSUE		A		·										

			V	RIAT	ZNDI		ALL	DIMEN	SIDNS	IN INCH	IES			
SYMBOL		BA			SYMBOL		BB			SYMBOL		BC		0 ₇
STADUL	MIN.	NOM.	MAX.		STADUL	MIN.	NOM.	MAX.	- 9,	SIMBUL	MIN.	NOM.	MAX.	1 7
Α	.100		.200	7	Α	.100	L	.200	7	Α	.100		.200	7
A1	.040	<u> </u>	.100	<u> </u>	A1	.040		.100		A1	.040		.100	
A2	.050		.120	7_	A2	.050	<u> </u>	.120	7	A2	.050		.120	7
A3	.037		.088	<u> </u>	A3	.037		.088		A3	.037		.088	
₽b	210	ļ	.018		øb	.012	L	.018		øb	.012		.018	
øb1	.012	.014	.016	<u> </u>	øb1	.012	.014	.016		øb1	.012	.014	.016	
D	.350	.365	.395	<u> </u>		.350	200	005	+					Ļ
Di	.280	.285	.395	 	D		.365	.395		D	.350	.365	.395	
חו	.280	.283	.303		D1	.280	.285	.305	-	D1	.280	.285	.305	<u> </u>
D3	 	.150 BSC			D3		.150 BS0	ţ		D3		.150 BSC	Ļ	
D4		120 230	.280		D4		720 820	.280	+	D4		120 PZF		├
- 57			.200	-				.200		שיי		 -	.280	├
E	.487	.515	.530		Ε	.487	.515	.530	 	E	.550	,570	.590	
E1	.417	.435	.440		E1	.487 .515 .530 .417 .435 .440				E1	.480	.490	.500	
E3		.200 BSC			E3		.250 BS0			E3		.300 BSC	-	
E4			.417		E4			.417	1	E4			.480	
		<u> </u>					L	<u> </u>					Ĺ	├
R	.015		Γ		R	.015	Y	Γ	11	R	.015			$\vdash -$
L	.030				L	.030				L	.030			
•		.050 BSC	,		•		.050 BSC	;		•		.050 BSC		
ND		4		5	ND		4		5	ND		4		5
NE		5		5	NE		6		5	NE		7		5
N		18		4,5	N		20		4,5	N		55		4,5
NOTE		1,2,3												
REF.		10-293			·							-		
ISSUE	L	<u> </u>												
	JE	DEC		T	ITLE				ISSUE	DATE			2	HEET
SOLII	ATZ (TE PRI	DUCT	-	ROUND L			G *	٨	7 00	МГ]-111	17	
	SOLID STATE PRODUCT OUTLINE					O' CEN		_	Α	7-90	141	7-117	.	DF
	LIU I	LINE			CERAMIC	CHIP	CARRIE	K [8

			VARI	ATIO	NS		ALL DI	MENSIO	NS II	N MILLME	TERS			
SYMBOL		BD		"0,	SYMBOL		BE		10 ₇	SYMBOL				N _O ,
· · · · · · · · · · · · · · · · · · ·	MIN.	NDM.	MAX.		STADUL	MIN.	NDM.	MAX.	T _E	STABUL	MIN.	NDM.	MAX.	1
Α	2.54		5.08	7	Α	2.54		5.08	7	Α				
A1	1.02	<u></u>	2.54		A1	1.02		2.54		A1				
A2	1.27		3.05	7	SA.	1.27		3.05	7	A2				
A3	0.94	L	2.24		A3	0.94		2.24		EA				
øb	0.31		0.46		øb	0.31		0.46		ølo				
øb1	0.31	0.36	0.41		øb1	0.31	0.36	0.41		øbl				
D	10.47	10.92	11.40	 	D	13.01	13.46	13.94		а		 	 	┼─
D1	8.69	8.89	9.09		Di	11.23	11.43	11.63		D1				
D3		5.08 BSC	<u> </u>	 	D3	<u> </u>	7.62 BS	<u> </u>		ДЗ		<u> </u>	L	
D4			8.69		D4			11.23		D4				
. Е	15.50	16.00	16.51	 	E	15.50	16.00	16.51	 	E				\vdash
El	13.72	13.97	14.22		El	13.72	13.97	14.22		E1				
E3	1	0.16 BS	<u>. </u>	\vdash	E3		0.16 BS	<u></u>	<u> </u>	E3		L	L	├
E4			13.72		E4			13.72		E4				
			<u> </u>		-		L					L	l	├
R	.381				R	.381				R			I	
L	.762				L	.762							<u> </u>	<u> </u>
•		.27 BSC	;		• •		.27 BSC			•		-	·	
ΝD		5		5	ND		7		5	ND				
NE		9		5	NE		9		.5	NE.				
N		28		4,5	N		35		4,5	N				
NOTE		1,2,3											<u> </u>	
REF.		10-293												
ISSUE		Α												

			V	RIAT	ZNOI	/ -	ALL	DIMEN	SIDNS	IN INCH	FS.	· · · · · · · · · · · · · · · · · · ·		
SYMBOL		BD		10,			BE	2 41 151 1						1 4
SIMBUL	MIN.	NOM.	MAX.	7	SYMBOL	MIN.	NOM.	MAX.	- *•	SYMBOL	MIN.	NDM.	MAX.	- ^N O,
Α	.100		.200	7	Α	100		.200	7	Α			1,1	1
A1	.040		.100		A1	.040		.100		A1				
A2	.050		120	7	A2	.050		120	7	A2				
A3	.037	<u> </u>	.088		A3	.037		.088		A3				
Øb	.012		.018		øb	.012		.018		øb				
øb1	.012	.014	.016		øb1	.012	.014	.016		# b1				
D	.412	.430	.449		D D	.512	.530	.549	 	D				
D1	.342	.350	.358		D1	.442	.450	.458		D1				
D3		.200 BS0	<u> </u>	<u> </u>	D3		.300 BS	<u> </u>		D3				
D4		200 230	.342		D4		.300 330	.442	+	D3		T	···	+
								.650						
E	.610	.630	.650		E .610 .630					E				
E1	.540	.550	.560		El	.540	.550	.560		E1				
E3		.400 BS0	<u> </u>		E3		.400 BS0	<u> </u>		E3		نــــــــــا		
E4			.540		E4			.540		E4				
		L	L					L				L	L	
R	.015	I			R	.015				R				
L	.030	<u></u>	<u> </u>		L.	.030				L				
•		.050 BSC			•		050 BSC			•				
ND		5		5	ND		7		5	ND				
NE		9		5	NE		9		5	NE				
N		28		4,5	N		32		4,5	N				
NOTE REF.		123							<u></u>					
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	<u> </u>	-111			CERAMIC	CHIP	CHKKIE	.K		<u> </u>			l	8