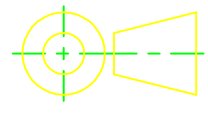
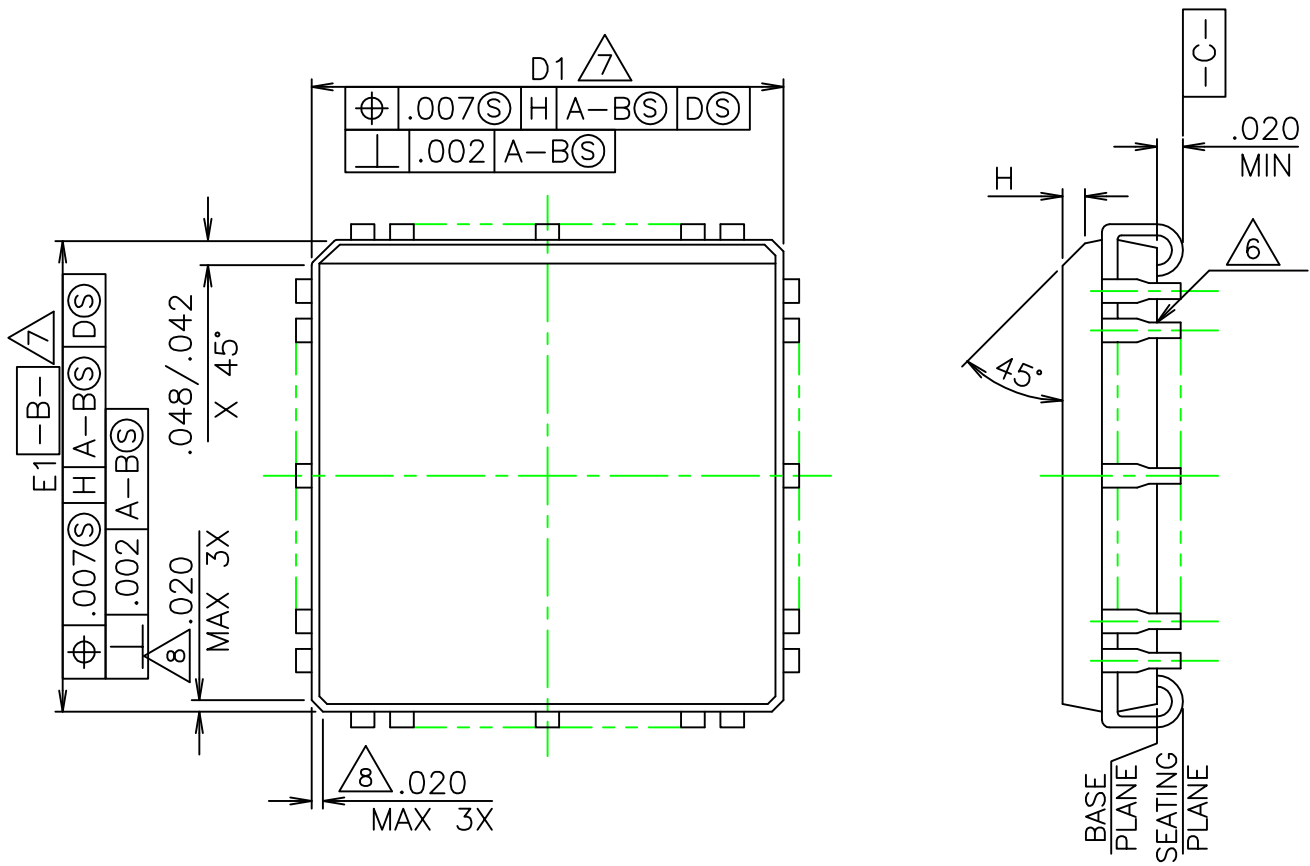
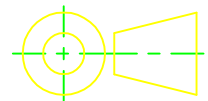


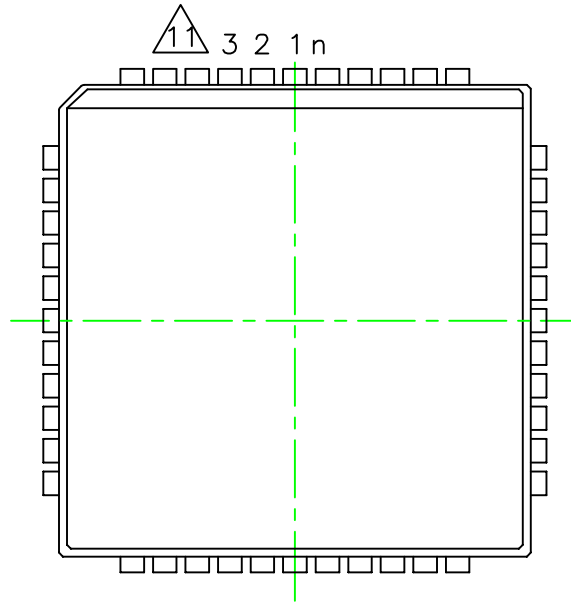
**FIGURE 1**  
 PRINCIPAL DIMENSIONS  
 AND DATUMS

<b>REV</b>  <b>E</b>	DWG NO: PKGPL0004		JEDEC REF. : MS-018	FILE: \PKGPL0004
	DRAWN	KHALIM / ZHRUL		<i>PLCC          PACKAGE OUTLINE</i>
				
PAGE: 1 OF 6				



**FIGURE 2**  
MOLDED DETAILS

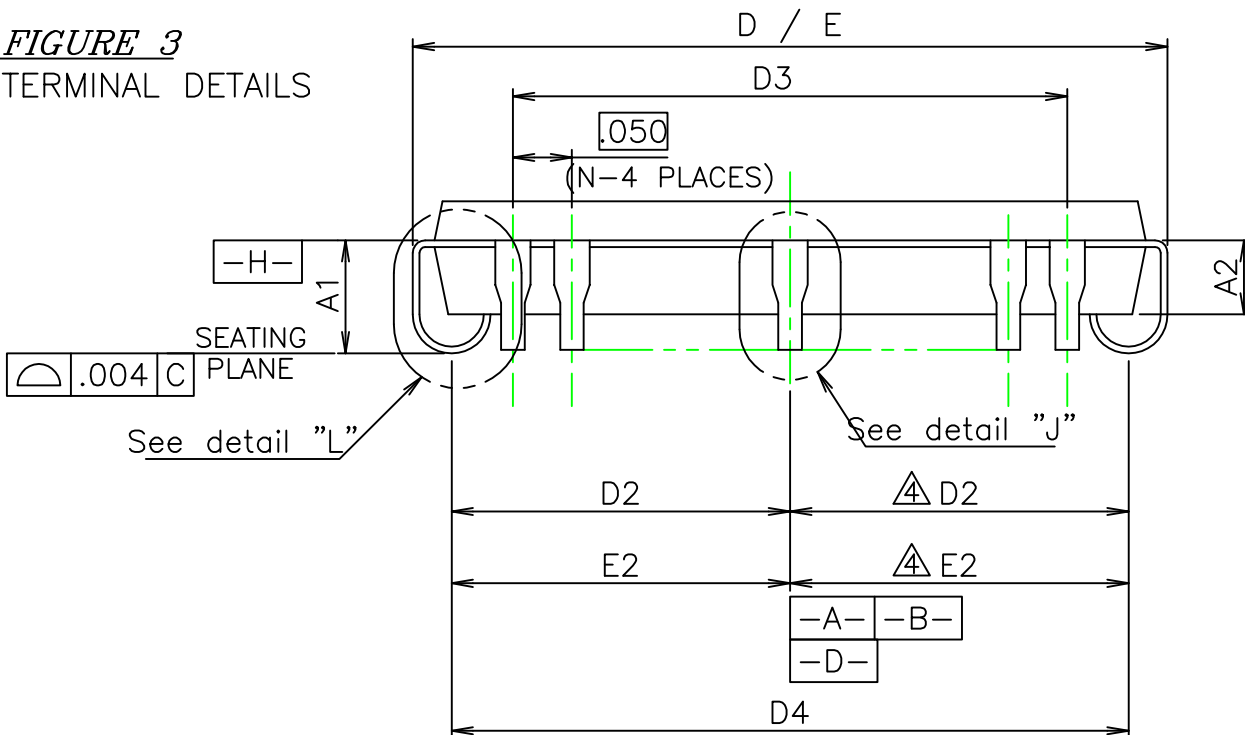
REV  <b>E</b>	DWG NO: PKGPL0004		JEDEC REF. : MS-018	FILE: \PKGPL0004
	DRAWN	KHALIM / ZHRUL		 PLCC PACKAGE OUTLINE
				PAGE: 2 OF 6




TOP VIEW

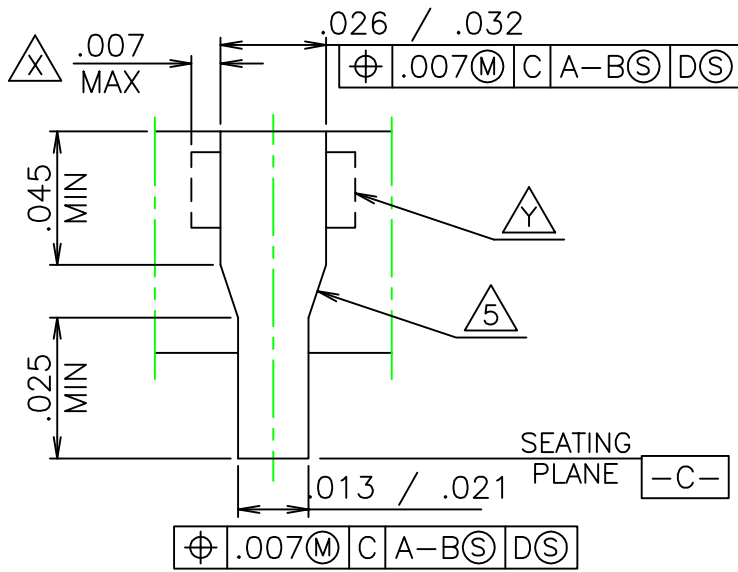
**FIGURE 4**  
PIN NUMBERING

**FIGURE 3**  
TERMINAL DETAILS



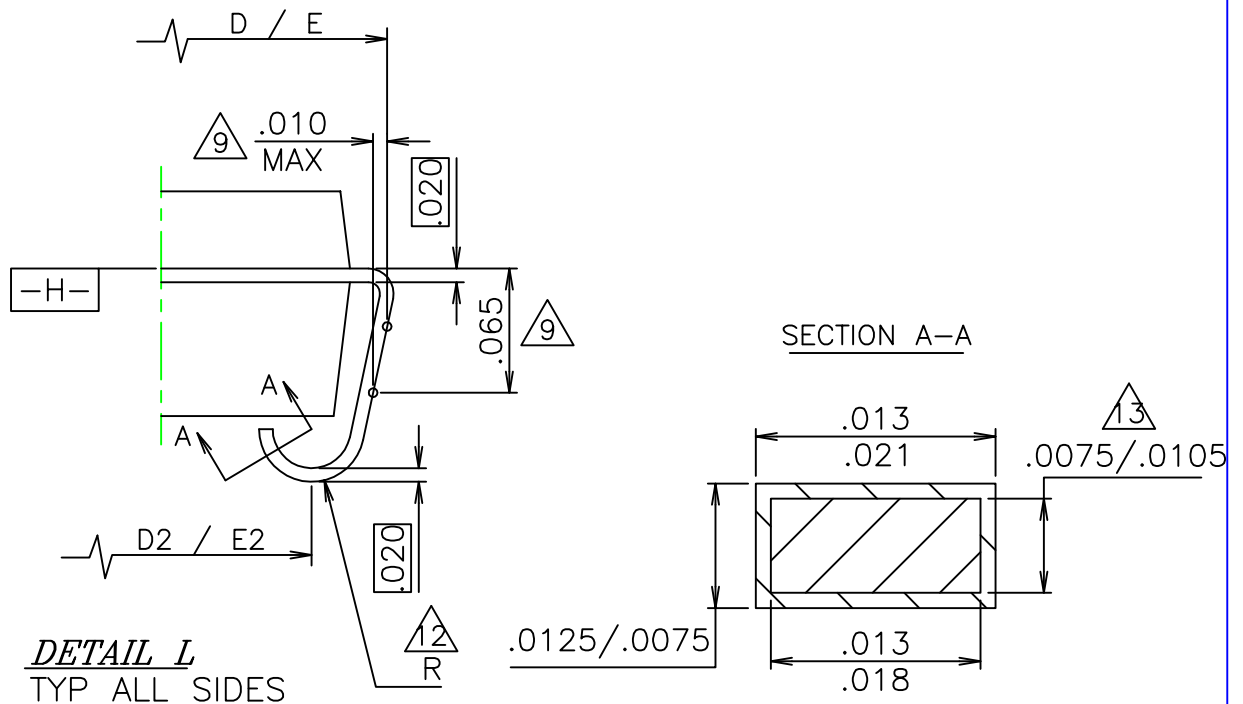
 **Carsem** Your Technology Partner

REV  E	DWG NO: PKGPL0004	JEDEC REF. : MS-018	FILE: \PKGPL0004
	DRAWN	KHALIM / ZHRUL	PLCC PACKAGE OUTLINE




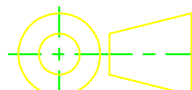
$\triangle X$  SUM OF DAMBAR PROTRUSIONS TO BE .007 MAX/LEAD  
 $\triangle Y$  THIS FEATURE IS A RESULT OF THE MANUFACTURING PROCESS AND MAY NOT BE PRESENT. A MINIMUM SPACE OF .008 IS REQUIRED BETWEEN ADJACENT LEADS.

**DETAIL J**  
TYP ALL SIDES



**DETAIL L**  
TYP ALL SIDES

 **Carsem** Your Technology Partner

<b>REV</b>  <b>E</b>	DWG NO: PKGPL0004		JEDEC REF. : MS-018	FILE: \PKGPL0004
	DRAWN	KHALIM / ZAHRUL		 <b>PLCC</b> <b>PACKAGE OUTLINE</b>
				PAGE: 4 OF 6

NOTES:

1 ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1982.

2 DATUM PLANE -H- LOCATED AT TOP OF MOLD PARTING LINE AND COINCIDENT WITH TOP OF LEAD WHERE LEAD EXITS PLASTIC BODY.

3 DATUMS A-B AND -D- TO BE DETERMINED WHERE CENTER LEADS EXIT PLASTIC BODY AT DATUM PLANE -H-

4 TO BE MEASURED AT SEATING PLANE -C- CONTACT POINT.

5 SHAPE OF TRANSITION IS OPTIONAL.

6 PLASTIC BODY DETAILS BETWEEN LEADS ARE OPTIONAL.

7 DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION.ALLOWABLE MOLD PROTRUSION IS .010" PER SIDE.DIMENSIONS D1 AND E1 INCLUDE MOLD MISMATCH AND ARE DETERMINED AT THE PARTING LINE , THAT IS D1 AND E1 ARE MEASURED AT THE EXTREME MATERIAL CONDITION AT THE UPPER OR LOWER PARTING LINE.

8 EXACT SHAPE OF THIS FEATURE IS OPTIONAL.

9 THESE TWO DIMENSIONS DETERMINE MAXIMUM ANGLE OF THE LEAD FOR CERTAIN SOCKET APPLICATIONS.IF UNIT IS INTENDED TO BE SOCKETED,IT IS ADVISABLE TO REVIEW THESE DIMENSIONS WITH SOCKET SUPPLIER.

10 ALL DIMENSIONS IN INCHES.

11 PIN NUMBERS ARE FOR REFERENCE ONLY.

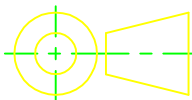
12 DIMENSION R REQUIRED FOR 120° MINIMUM BEND.

13 DIMENSION APPLIES TO BASE METAL ONLY.

14 PACKAGE FINISHING :

TOP AND BOTTOM : MATTE CHARMILES VDI 24~27

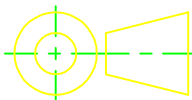
ALL SIDES : MATTE CHARMILLES VDI 12~15

REV  E	DWG NO: PKGPL0004		JEDEC REF. : MS-018	FILE: \PKGPL0004
	DRAWN	KHALIM / ZHRUL		
				PLCC PACKAGE OUTLINE
				PAGE: 5 OF 6

VARIATIONS															
SYMBOL	AB				AC										
	MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX
A	.165	.172	.180		.165	.172	.180								
A1	.090	.105	.120		.090	.105	.120								
A2	.062	---	.083		.062	---	.083								
D	.485	.490	.495		.685	.690	.695								
D1	.450	.453	.456		.650	.653	.656								
D2	.191	.205	.219		.291	.305	.319								
D3	.300 REF				.500 REF										
D4	.390	.410	.430		.590	.610	.630								
E	.485	.490	.495		.685	.690	.695								
E1	.450	.453	.456		.650	.653	.656								
E2	.191	.205	.219		.291	.305	.319								
E3	.300 REF				.500 REF										
E4	.390	.410	.430		.590	.610	.630								
H	.042	.049	.056		.042	.049	.056								
R	.030	.035	.040		.030	.035	.040								
N	28				44										
NOTE	1 , 11														
REF	11 - 252S														
ISSUE	A														



Carsem Your Technology Partner

REV  E	DWG NO: PKGPL0004		JEDEC REF. : MS-018	FILE: \PKGPL0004
	DRAWN	KHALIM / ZAHROL		
				PLCC PACKAGE OUTLINE PAGE: 6 OF 6