
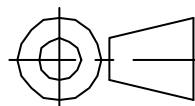


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FILE:- MLPM-CPOD-0002-RevA

MLP MICRO
PACKAGE OUTLINE
(EXPOSED & FUSED PAD)

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TABLE 1



VARIATION DESIGNATORS							
FIRST DIGIT CODE		SECOND DIGIT CODE		THIRD DIGIT CODE		FOURTH DIGIT CODE	
OVERALL HEIGHT		BODY LENGTH		BODY WIDTH		TERMINAL PITCH	
A	LETTER CODE	D	LETTER CODE	E	LETTER CODE	e	LETTER CODE
1.0 MAX	V	1.0	A	1.0	A	0.95	A
		1.5	B	1.5	B	0.65	C
		2.0	C	2.0	C	0.50	D
		2.5	D	2.5	D		
		3.0	E	3.0	E		

TABLE 2: TOLERANCE OF FORM AND POSITION

PITCH (MM) / SYMBOL	0.95	0.65	0.50
aaa	0.10	0.10	0.10
bbb	0.10	0.10	0.10
ccc	0.10	0.10	0.10
ddd	0.05	0.05	0.05
NOTES	1,2		
REF			
ISSUE			



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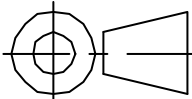
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TABLE 3: COMMON HEIGHT DIMENSION


V-PROFILE HEIGHT

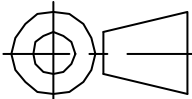
DIM SYMBOL	MIN	NOM	MAX
A	0.80	0.90	1.00
A1	0	0.025	0.05
A2	0.65	0.70	0.75
A3	0.15	0.20	0.25
θ	0°	10°	12°
NOTES	1,2		
REF			
ISSUE			

TABLE 4: COMMON TERMINAL DIMENSIONS

DIM PITCH	b			R1	L2	K
	MIN	NOM	MAX	REF	MAX	MIN
0.95	0.33	0.35	0.43	0.127	0.125	0.20
0.65	0.18	0.20	0.28	0.075	0.125	0.20
0.50	0.16	0.18	0.26	0.075	0.125	0.20
NOTES	5,12					
REF						
ISSUE						

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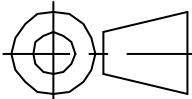
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△ SUMMARY TABLE 5

BODY SIZE (mm)	LEAD PITCH (mm)	LEAD COUNT	VERY THIN PROFILE
2.00 X 1.00	0.50	5	VCAD-1F
2.00 X 2.00	0.65	3	VCCC-3F
	0.65	5	VCCC-2F
	0.65	6	VCCC-1F
3.00 X 2.00	0.95	5	VECA-1F
	0.95	6	VECA-2F
3.00 X 3.00	0.95	6	VEEA-1F

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SUMMARY TABLE 5 0.50mm PITCH VARIATION

SYMBOL									NOTE
D BSC	2.00								
D2 MIN	0.22								
D2 NOM	0.32								
D2 MAX	0.42								
D4 MIN	0.06								
D4 NOM	0.16								
D4 MAX	0.26								
E BSC	1.00								
E2 MIN	0.33								
E2 NOM	0.43								
E2 MAX	0.53								
E4 MIN	0.12								
E4 NOM	0.22								
E4 MAX	0.32								
L MIN	0.10								
L NOM	0.19								
L MAX	0.35								
L1 MIN	—								
L1 NOM	—								
L1 MAX	—								
N	5								3
ND	3								6
R REF	0.075								
R2 REF	—								
VARV	VCAD-1F								
NOTE	1,2,9								
REF									
ISSUE									

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SUMMARY TABLE 6 0.65mm PITCH VARIATION

SYMBOL				NOTE
D BSC	2.00	2.00	2.00	
D2 MIN	0.52	0.52	1.22	
D2 NOM	0.62	0.62	1.32	
D2 MAX	0.72	0.72	1.42	
D4 MIN	0.21	0.21	0.56	
D4 NOM	0.31	0.31	0.66	
D4 MAX	0.41	0.41	0.76	
E BSC	2.00	2.00	2.00	
E2 MIN	0.84	1.22	0.79	
E2 NOM	0.94	1.32	0.89	
E2 MAX	1.04	1.42	0.99	
E4 MIN	0.56	0.56	0.48	
E4 NOM	0.66	0.66	0.58	
E4 MAX	0.76	0.76	0.68	
L MIN	0.20	0.20	0.20	
L NOM	0.29	0.29	0.29	
L MAX	0.45	0.45	0.45	
L1 MIN	-	-	-	
L1 NOM	-	-	-	
L1 MAX	-	-	-	
N	6	5	3	3
ND	3	3	2	6
R REF	0.075	0.075	0.075	
R2 REF	-	-	-	
VARV	VCCC-1F	VCCC-2F	VCCC-3F	
NOTE	1,2,9	1,2,9	1,2,9	
REF				
ISSUE				

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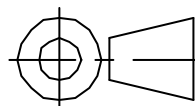
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SUMMARY TABLE 7 0.95mm PITCH VARIATION

SYMBOL				NOTE						
D1 BSC	3.00	3.00	3.00							
D2 MIN	1.12	1.12	0.82							
D2 NOM	1.22	1.22	0.92							
D2 MAX	1.32	1.32	1.02							
D4 MIN	0.51	0.51	0.36							
D4 NOM	0.61	0.61	0.46							
D4 MAX	0.71	0.71	0.56							
E1 BSC	2.00	2.00	3.00							
E2 MIN	1.12	0.74	1.44							
E2 NOM	1.22	0.84	1.54							
E2 MAX	1.32	0.94	1.64							
E4 MIN	0.51	0.51	0.86							
E4 NOM	0.61	0.61	0.96							
E4 MAX	0.71	0.71	1.06							
L MIN	0.20	0.20	0.20							
L NOM	0.29	0.29	0.29							
L MAX	0.45	0.45	0.45							
L1 MIN	-	-	0.20							
L1 NOM	-	-	0.29							
L1 MAX	-	-	0.45							
N	5	6	6							3
ND	3	3	3							6
R REF	0.127	0.127	0.150							
R2 REF	-	-	0.127							
VARV	VECA-1F	VECD-2F	VEEA-1F							
NOTE	1,2,9	1,2,9	1,2,9							
REF										
ISSUE										

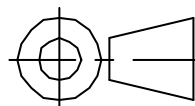
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Note:

1. Dimensioning and tolerancing conform to ASME Y14.5M-1994.
2. All dimensions are in millimeters . All angles are in degrees.
3. N is the total number of terminals.

4. The terminal #1 identifier and terminal numbering convention shall conform to JESD 95-1 SPP-012. Details of terminal #1 identifier are optional , but must be located within the zone indicated. The terminal #1 identifier may be a molded, marked, or metalized features.

5. Dimensions b apply to metalized terminal and is measured between 0.15 and 0.20mm from terminal tip.

6. ND refer to the maximum number of terminals on D side.

7. Depopulation of terminals is allowed and will be called out on the individual variations.

8. Variation VEEA is shown for illustration only.

9. For a complete set of dimensions for each variation, see the individual variation and the common dimensions and tolerances on page 4 & 5.


10. Coplanarity applies to the exposed heat sink slug as well as the terminals.

11. Profile tolerance (aaa) will be applicable only to the plastic body, and not to the metalized features (such as the terminal tips and tie bars.) Metalized features may protrude a maximum of L2 from the plastic body profile.

12. If L1 max is not called out, the metalized feature will extend to the exposed pad. Thus, the 0.17mm gap does not apply.

13. Corner will be sharp unless otherwise specified with radius dimensions.

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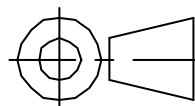
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