

JEDEC
SOLID STATE
PRODUCT OUTLINE

THIS REGISTERED OUTLINE HAS BEEN PREPARED BY THE JEDEC JC-11 COMMITTEE AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS INDUSTRY; CHANGES ARE LIKELY TO OCCUR.

PLASTIC
SURFACE MOUNTED
HEADER FAMILY

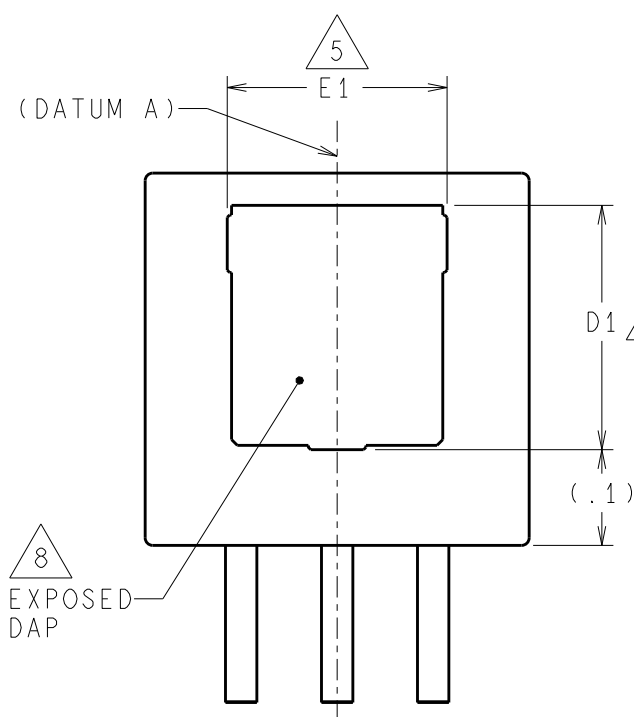
DESIGNATOR
R-PSFM-F

ISSUE
B

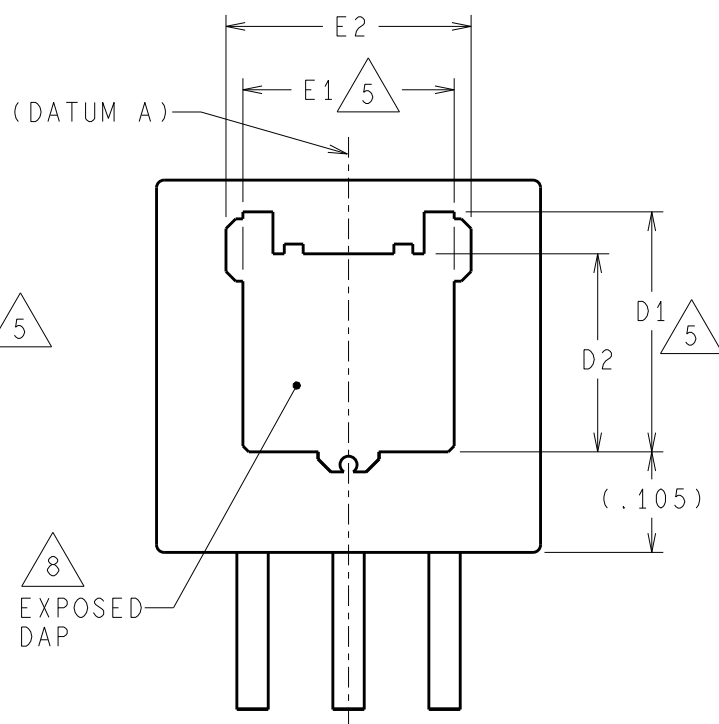
DATE
AUG 2008

TO-279

SHEET
1 OF 7

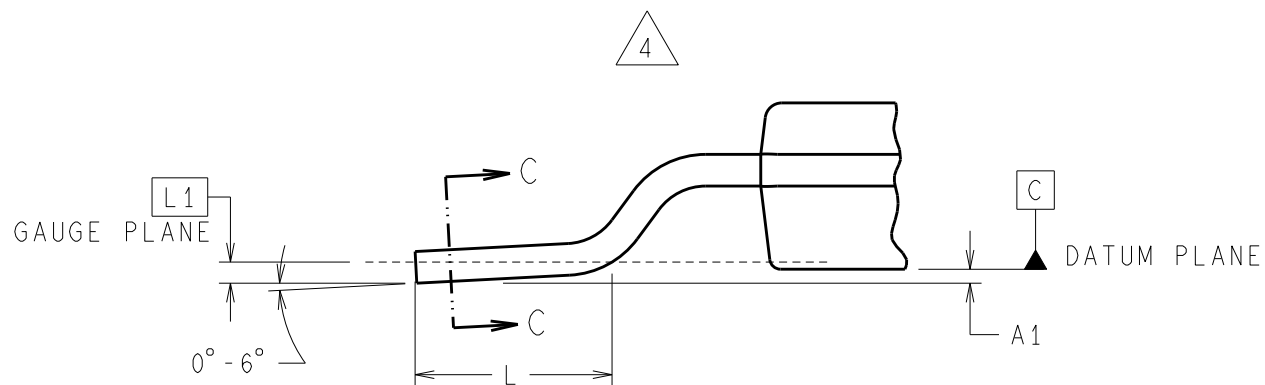


OPTION 1

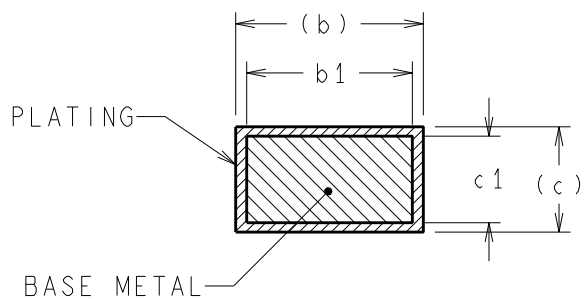


OPTION 2

BOTTOM VIEW



DETAIL B
ROTATED 90°CW



SECTION C-C

COMMON DIMENSIONS (DIMENSIONS ARE IN INCHES)				
SYMBOL	MIN	NOM	MAX	NOTE
A	.071	.078	.086	
A1	.000	-	.010	
A2	.035	.039	.043	
c	.015	.017	.020	
c1	.013	.015	.016	
D	.380	.400	.420	3
E	.368	.388	.407	3
H	.530	.550	.570	
L	.051	.071	.091	
L1	.010 BSC			
aaa	.010			
bbb	.004			
NOTES	1,2			
REF	11.10-440, 11.10-447			
ISSUE	B			

VARIATIONS
OPTION 1
(DIMENSIONS ARE IN INCHES)

SYMBOL	AA				AB				AC			
	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE
b	.025	.033	.040	6	.025	.033	.040	6	.020	.030	.035	6
b1	.025	.031	.037		.025	.031	.037		.020	.030	.031	
D1	.240	-	.260	5	.240	-	.260	5	.240	-	.260	5
D2	N/A	N/A	N/A		N/A	N/A	N/A		N/A	N/A	N/A	
E1	.210	-	.230	5	.210	-	.230	5	.210	-	.230	5
E2	N/A	N/A	N/A		N/A	N/A	N/A		N/A	N/A	N/A	
e	.100 BASIC				.067 BASIC				.050 BASIC			
N	3				5				7			
NOTES	1, 2				1, 2				1, 2			
REF	11.10-440, 11.10-447				11.10-440, 11.10-447				11.10-440, 11.10-447			
ISSUE	B				B				B			

VARIATIONS
OPTION 1
(DIMENSIONS ARE IN INCHES)

SYMBOL	AD											
	MIN	NOM	MAX	NOTE								
b	.017	.020	.023	6								
b1	.016	.018	.021									
D1	.240	-	.260	5								
D2	N/A	N/A	N/A									
E1	.210	-	.230	5								
E2	N/A	N/A	N/A									
e	.038 BSC											
N	9											
NOTES	1, 2											
REF	11.10-440, 11.10-447											
ISSUE	B											

VARIATIONS
OPTION 2
(DIMENSIONS ARE IN INCHES)

SYMBOL	BA				BB				BC			
	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE
b	.025	.033	.040	6	.025	.033	.040	6	.020	.030	.035	6
b1	.025	.031	.037		.025	.031	.037		.020	.030	.031	
D1	.240	-	.260	5	.240	-	.260	5	.240	-	.260	5
D2	.196	-	.216		.196	-	.216		.196	-	.216	
E1	.210	-	.230	5	.210	-	.230	5	.210	-	.230	5
E2	.236	-	.276		.236	-	.276		.236	-	.276	
e	.100 BASIC				.067 BASIC				.050 BASIC			
N	3				5				7			
NOTES	1,2				1,2				1,2			
REF	11.10-447				11.10-447				11.10-447			
ISSUE	B				B				B			

VARIATIONS
OPTION 2
(DIMENSIONS ARE IN INCHES)

SYMBOL	BD											
	MIN	NOM	MAX	NOTE								
b	.017	.020	.023	6								
b1	.016	.018	.021									
D1	.240	-	.260	5								
D2	.196	-	.216									
E1	.210	-	.230	5								
E2	.236	-	.276									
e	.038 BSC											
N	9											
NOTES	1,2											
REF	11.10-447											
ISSUE	B											

NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

2. DIMENSIONS ARE IN INCHES.

3. DIMENSION D & E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH, PROTRUSIONS OR GATE BURRS SHALL NOT EXCEED .005 INCH PER END. THESE DIMENSIONS ARE MEASURED AT THE OUTERMOST EXTREME OF THE MOLDED BODY AT DATUM B.

4. BOTTOM VIEW THERMAL PAD DIMENSIONS APPLY TO ALL VARIATIONS, 3 LEAD VARIATION SHOWN FOR REFERENCE ONLY.

5. DIMENSIONS D1 AND E1 ESTABLISH A MINIMUM MOUNTING SURFACE FOR EXPOSED PAD WHEN DESIGNING THE PCB PAD.

6. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION, ALLOWABLE DAMBAR PROTRUSION SHALL NOT CAUSE THE LEAD WIDTH TO EXCEED THE MAXIMUM b DIMENSION BY MORE THAN .003 INCH.

7. FOOTPRINT IS COMPATIBLE WITH TO-263.

8. APPLICATION NOTE: EXPOSED DAP IS SOLDERED SIMULTANEOUSLY WITH THAT OF THE LEADS FOR EFFECTIVE HEAT DISSIPATION.

Change Record

If the changes involve any words added or deleted (excluding deletion of accidentally repeated words), the changes are included. Punctuation changes may or may not be included.

Initial Issue	Date	Item
A	May 2006	11.10-440

Revision History		
Issue	Date	Item
B	Aug 2008	11.10-447

Issue:	Date: May 2008	Item: 11.10-447
Location	Change from	Change to
Page 2, Bottom view	EXPOSED HEAT SINK	EXPOSED DAP
	N/A	Add "OPTION 1"
Page 2	N/A	Add new bottom view with optional exposed DAP
Page 3, Common dimensions table	N/A	Remove D1 & E1.
Page 3	Variations table	Move to page 4
Page 4, Variations tables	N/A	Add D1, D2, E1 & E2
	N/A	Add "OPTION 1"
Page 4, Variations tables D1 & E1	.250 & .220 (was in Common Dimensions table)	.240 & .210
	N/A	Add new page with new variations tables for BA, BB, BC & BD
New page 6, note 8	HEAT SINK (was page 5)	EXPOSED DAP