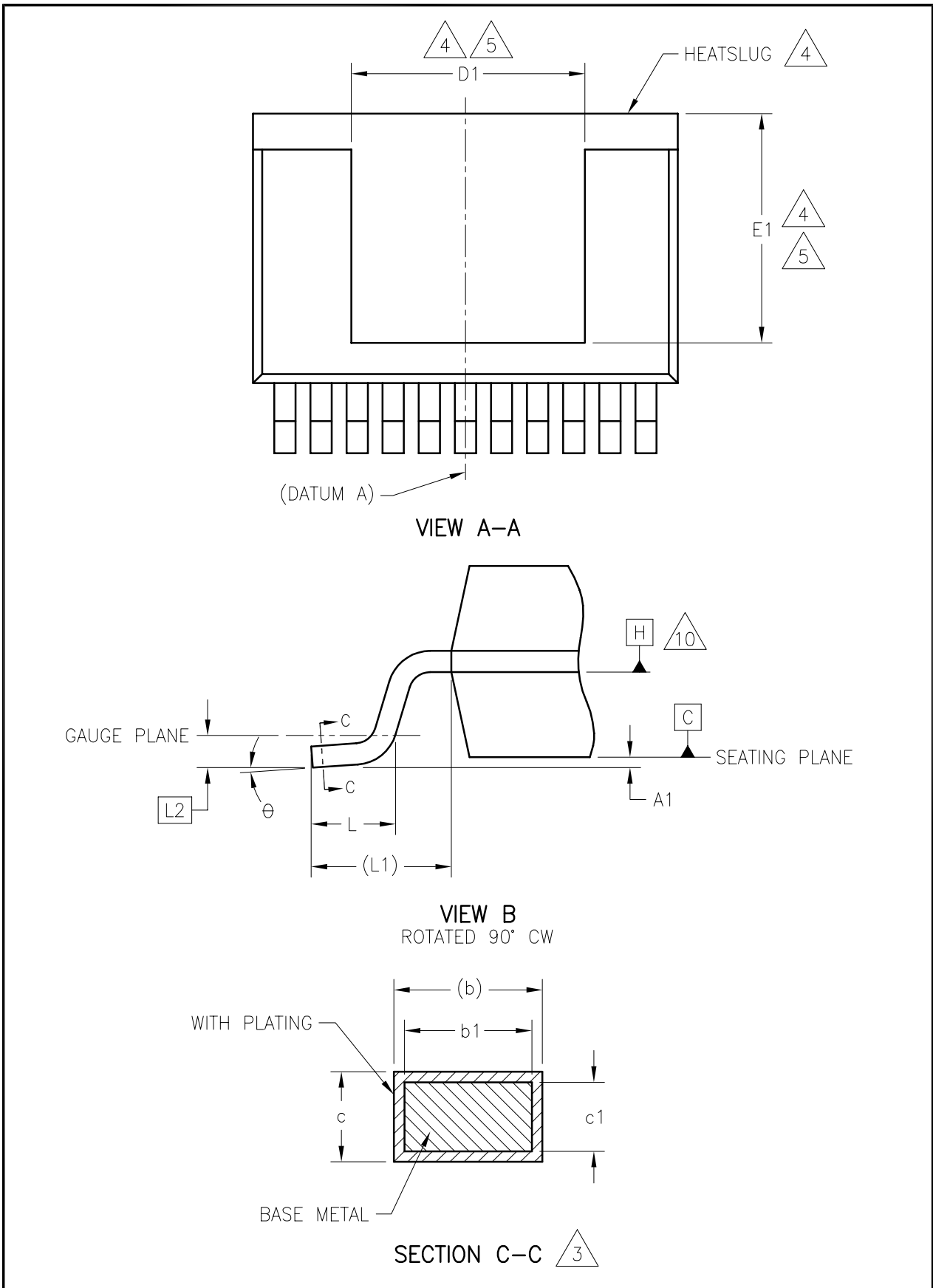


JEDEC SOLID STATE PRODUCT OUTLINE		THIS REGISTERED OUTLINE HAS BEEN PREPARED BY THE JEDEC JC-11 COMMITTEE AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS INDUSTRY; CHANGES ARE LIKELY TO OCCUR.				
TITLE HEADER FAMILY SURFACE MOUNTED (PERIPHERAL TERMINALS)		PACKAGE DESIGNATOR R-PSFM-G	ISSUE B	DATE 11/00	MO-169	SHEET 1 OF 7



JEDEC SOLID STATE PRODUCT OUTLINE	TITLE HEADER FAMILY SURFACE MOUNTED (PERIPHERAL TERMINALS)	ISSUE B	DATE 11/00	MO-169	SHEET 2 OF 7
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VARIATIONS												
SYMBOL	AA			NOTES	AB			NOTES	AC			NOTES
	MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX	
A	4.32	4.49	4.65		4.32	4.49	4.65		4.32	4.49	4.65	
A1	0	—	0.25		0	—	0.25		0	—	0.25	
b	0.66	0.80	0.94	3,7	0.66	0.80	0.94	3,7	0.57	0.72	0.86	3,7
b1	0.66	0.79	0.89	3	0.66	0.79	0.89	3	0.57	0.71	0.81	3
c	0.36	0.51	0.66	3	0.36	0.51	0.66	3	0.36	0.51	0.66	3
c1	0.35	0.46	0.53	3	0.35	0.46	0.53	3	0.35	0.46	0.53	3
c2	1.14	1.27	1.40		1.14	1.27	1.40		1.14	1.27	1.40	
D	9.78	10.08	10.41	4,8,9	9.78	10.08	10.41	4,8,9	9.78	10.08	10.41	4,8,9
D1	5.08	—	—	4,5	5.08	—	—	4,5	5.08	—	—	4,5
E	8.38	8.89	9.40	8,9	8.38	8.89	9.40	8,9	8.38	8.89	9.40	8,9
E1	6.35	—	—	4,5	6.35	—	—	4,5	6.35	—	—	4,5
e	2.54 BSC				1.70 BSC				1.27 BSC			
L	1.72	1.98	2.24		1.72	1.98	2.24		1.72	1.98	2.24	
L1	4.09 REF				4.09 REF				4.09 REF			
L2	0.76 BSC				0.76 BSC				0.76 BSC			
L3	13.95	14.20	14.45		13.95	14.20	14.45		13.95	14.20	14.45	
L4	1.07	1.22	1.40	4	1.07	1.22	1.40	4	1.07	1.22	1.40	4
θ	0°	—	8°		0°	—	8°		0°	—	8°	
θ1	0°	—	15°		0°	—	15°		0°	—	15°	
aaa	0.25				0.25				0.25			
bbb	0.10				0.10				0.10			
N	3				5				7			
NOTES	1,2				1,2				1,2			
REF	10–340, JEDEC PUB 95–TO220 AA–AC, TS–001 AND MO–048 AA–AD /10–406											
ISSUE	A/B											
JEDEC SOLID STATE PRODUCT OUTLINE		TITLE HEADER FAMILY SURFACE MOUNTED (PERIPHERAL TERMINALS)					ISSUE B	DATE 11/00	MO–169		SHEET 3 OF 7	

VARIATIONS												
SYMBOL	AD			NOTES	AE			NOTES				NOTES
	MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX	
A	4.32	4.49	4.65		4.32	4.49	4.65					
A1	0	—	0.25		0	—	0.25					
b	0.91	0.99	1.07	3,7	0.61	0.71	0.81	3,7				
b1	0.91	0.96	1.02	3	0.61	0.69	0.76	3				
c	0.36	0.48	0.61	3	0.36	0.48	0.61	3				
c1	0.36	0.46	0.56	3	0.36	0.46	0.56	3				
c2	1.47	1.52	1.60		1.47	1.52	1.60					
D	19.89	20.01	20.14	4,8,9	19.89	20.01	20.14	4,8,9				
D1	11.05	—	—	4,5	11.05	—	—	4,5				
E	10.57	10.69	10.82	8,9	10.57	10.69	10.82	8,9				
E1	10.79	—	—	4,5	10.79	—	—	4,5				
e	1.70 BSC				1.27 BSC							
L	1.72	1.98	2.24		1.72	1.98	2.24					
L1	3.58 REF				3.58 REF							
L2	0.76 BSC				0.76 BSC							
L3	15.75	16.00	16.25		15.75	16.00	16.25					
L4	1.40	1.73	2.03	4	1.40	1.73	2.03	4				
θ	0°	—	8°		0°	—	8°					
θ1	0°	—	15°		0°	—	15°					
aaa	0.25				0.25							
bbb	0.10				0.10							
N	11				15							
NOTES	1,2				1,2							
REF	10–340, JEDEC PUB 95–T0220 AA–AC, TS–001 AND MO–048 AA–AD /10–406											
ISSUE	A/B											
JEDEC SOLID STATE PRODUCT OUTLINE		TITLE HEADER FAMILY SURFACE MOUNTED (PERIPHERAL TERMINALS)					ISSUE B	DATE 11/00	MO–169		SHEET 4 OF 7	

VARIATIONS												
SYMBOL	BA			NOTES	BB			NOTES	BC			NOTES
	MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX	
A	1.75	1.90	2.05		1.75	1.90	2.05		1.75	1.90	2.05	
A1	0	—	0.15		0	—	0.15		0	—	0.15	
b	0.63	—	0.89	3,7	0.63	—	0.89	3,7	0.63	—	0.89	3,7
b1	0.63	0.71	0.79	3	0.63	0.71	0.79	3	0.63	0.71	0.79	3
c	0.23	—	0.38	3	0.23	—	0.38	3	0.23	—	0.38	3
c1	0.23	0.25	0.28	3	0.23	0.25	0.28	3	0.23	0.25	0.28	3
c2	0.23	0.25	0.38		0.23	0.25	0.38		0.23	0.25	0.38	
D	9.25	9.40	9.55	4,8,9	9.25	9.40	9.55	4,8,9	9.25	9.40	9.55	4,8,9
D1	4.00	—	—	4,5	4.00	—	—	4,5	4.00	—	—	4,5
E	7.85	8.00	8.15	8,9	7.85	8.00	8.15	8,9	7.85	8.00	8.15	8,9
E1	6.00	—	—	4,5	6.00	—	—	4,5	6.00	—	—	4,5
e	2.54 BSC				1.70 BSC				1.27 BSC			
L	0.75	0.90	1.05		0.75	0.90	1.05		0.75	0.90	1.05	
L1	1.53 REF				1.53 REF				1.53 REF			
L2	0.25 BSC				0.25 BSC				0.25 BSC			
L3	10.40	10.55	10.70		10.40	10.55	10.70		10.40	10.55	10.70	
L4	0.75	1.02	1.30	4	0.75	1.02	1.30	4	0.75	1.02	1.30	4
θ	0°	—	8°		0°	—	8°		0°	—	8°	
θ1	0°	—	15°		0°	—	15°		0°	—	15°	
aaa	0.25				0.25				0.25			
bbb	0.10				0.10				0.10			
N	3				5				7			
NOTES	1,2				1,2				1,2			
REF	10–406				10–406				10–406			
ISSUE	B				B				B			
JEDEC SOLID STATE PRODUCT OUTLINE		TITLE HEADER FAMILY SURFACE MOUNTED (PERIPHERAL TERMINALS)						ISSUE B	DATE 11/00	MO–169		SHEET 5 OF 7

VARIATIONS												
SYMBOL	BD			NOTES				NOTES				NOTES
	MIN	NOM	MAX		MIN	NOM	MAX		MIN	NOM	MAX	
A	1.75	1.90	2.05									
A1	0	—	0.15									
b	0.63	—	0.89	3,7								
b1	0.63	0.71	0.79	3								
c	0.23	—	0.38	3								
c1	0.23	0.25	0.28	3								
c2	0.23	0.25	0.38									
D	19.40	19.55	19.70	4,8,9								
D1	3.00	—	—	4,5								
E	8.50	8.65	8.80	8,9								
E1	6.00	—	—	4,5								
e	1.91 BSC											
L	0.85	1.00	1.15									
L1	1.51 REF											
L2	0.25 BSC											
L3	10.90	11.18	11.45									
L4	0.75	1.02	1.30	4								
θ	0°	—	8°									
θ1	0°	—	15°									
aaa	0.25											
bbb	0.10											
N	9											
NOTES	1,2											
REF	10–406											
ISSUE	B											
JEDEC SOLID STATE PRODUCT OUTLINE		TITLE HEADER FAMILY SURFACE MOUNTED (PERIPHERAL TERMINALS)					ISSUE B	DATE 11/00	MO–169		SHEET 6 OF 7	

NOTES:

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

2. ALL DIMENSIONS IN MILLIMETERS.

3. SECTION C-C DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.10 AND 0.25 mm FROM THE LEAD TIP.

4. HEATSLUG CONTOUR OPTIONAL WITHIN DIMENSIONS D AND L4, AND D1 AND E1.

5. DIMENSIONS D1 AND E1 ESTABLISH A MINIMUM MOUNTING SURFACE FOR HEATSLUG.

6. EXACT SHAPE, SIZE, AND LOCATION OF THESE FEATURES IS OPTIONAL.

7. 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 0.08 mm.

8. DIMENSION D DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH, PROTRUSIONS OR GATE BURRS SHALL NOT EXCEED 0.15 mm PER END. DIMENSION E DOES NOT INCLUDE INTERLEAD FLASH OR PROTRUSION. INTERLEAD FLASH OR PROTRUSION SHALL NOT EXCEED 0.15 mm PER SIDE.

9. THE PACKAGE TOP MAY BE SMALLER THAN THE PACKAGE BOTTOM. DIMENSIONS D AND E ARE DETERMINED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY EXCLUSIVE OF MOLD FLASH, TIE BAR BURRS, GATE BURRS AND INTERLEAD FLASH, BUT INCLUDING ANY MISMATCH BETWEEN THE TOP AND BOTTOM OF THE PLASTIC BODY.

10. DATUMS A AND B TO BE DETERMINED AT DATUM PLANE H.

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE HEADER FAMILY SURFACE MOUNTED (PERIPHERAL TERMINALS)	ISSUE B	DATE 11/00	MO-169	SHEET 7 OF 7
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