







































TABLE 1

	SUMMARY TABLE													
BODY SIZE	LEAD		VARIATIONS											
5051 0122	COUNT	FLAT		GULL	WING	FLAT		GULL						
		SCREW	HOLES	SCREW	HOLES	SURFACE	MOUNT	SURFACE	MOUNT					
			FIG		FIG		FIG		FIG					
9.02 X 23.62	16	AA	1,1A	ВА	2,2A									
9.02 X 17.52	16					CA	3,3A	DA	4,4A					
9.02 X 23.62	16					СВ	5,5A	DB	6,6A					
9.02 X 23.62	14	AB	7,7A	BB	8,8A									
9.02 X 17.52	14					CC	9,9A	DC	10,10A					

TABLE 2

	СОММС	N DIMENSI	ONS								
SYMBOL	MIN	NOM	MAX	NOTE							
b1	0.28		0.43	4							
b4	0.28		0.37								
С	0.15		0.31								
c1	0.15	0.20	0.28								
E1		9.02 BSC		3							
E2		6.98 BSC									
øΡ	3.20	3.33	3.46	3							
R1	0.36	0.46	0.56								
Θ1	4°	6°	8.								
NOTES		1, 2									
REF	11-68111-787										
ISSUE		В									

TABLE 3

TOLERAN	CE OF FORM & POSITION
aaa	0.20
bbb	0.15
ccc	0.20
ddd	0.10
eee	0.05
NOTES	1, 2
REF	11-681
ISSUE	А

JEDEC SOLID	TITLE 14 & 16 LEAD	ISSUE	DATE		SHEET
STATE PRODUCT OUTLINE	SCREW MOUNT AND SURFACE MOUNT POWER PACKAGE	В	Feb 08	MO-253	21 OF 27

TABLE 4

			V	ARIATIC	NS			
	Д	A (FIG 1,	1A)		AE	3 (FIG 7,	7A)	
SYMBOL	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE
А	2.49	2.59	2.69		2.49	2.59	2.69	
A1	0.96	1.04	1.12		0.96	1.04	1.12	
b	5.72		5.87	4	3.94		4.09	4
b2	0.94		1.09	4				
b3	5.72		5.82		3.94		4.04	
b5	0.94		1.03					
b6		3.00 BSC		7	3.00 BSC			7
D		23.62 BSC		3		23.62 BSC		3
D1		20.57 BSC				20.57 BSC		
D2		15.44 BSC			15.44 BSC			
E	14.00	14.10	14.20		14.00	14.10	14.20	
е		1.37 BSC			1.37 BSC			
e1		1.02 BSC				1.02 BSC		
e2		5.69 BSC				5.69 BSC		
e3		3.81 BSC						
k	0.66	0.76	0.86		0.66	0.76	0.86	
N	16			10	14			10
NOTES		1, 2			1, 2			
REF		11-681	11-787		11-787			
ISSUE		В				В		

IEDEC COLID	TITLE 14 & 16 LEAD	ISSUE	DATE		SHEET
JEDEC SOLID STATE PRODUCT OUTLINE	SCREW MOUNT AND SURFACE MOUNT POWER PACKAGE	В	Feb 08	MO-253	22 OF 27

TABLE 5

			V	ARIATIC	NS			
	В	A (FIG 2,	2A)		ВЕ	3 (FIG 8,	8A)	
SYMBOL	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE
А			2.80				2.80	
A1	0.02	0.06	0.10		0.02	0.06	0.10	
A2	2.49	2.59	2.69		2.49	2.59	2.69	
b	5.72		5.87	4	3.94		4.09	4
b2	0.94		1.09	4				
b3	5.72 5.82		3.94		4.04			
b5	0.94		1.09					
D		23.62 BSC		3		3		
D1		20.57 BSC				20.57 BSC		
D2		15.44 BSC				15.44 BSC		
E	10.90	11.00	11.10		10.90	11.00	11.10	
е		1.37 BSC						
e1		1.02 BSC						
e2		5.69 BSC				5.61 BSC		
e3		3.81 BSC						
L	0.43	0.53	0.63		0.43	0.53	0.63	
L1		0.25 BSC				0.25 BSC		
R			0.45				0.45	
Θ	2°	5°	8°		2°	5°	8°	
N	16			10		14		10
NOTES		1, 2			1, 2			
REF		11-681	11-787					
ISSUE		В				В		

IEDEC COLID	TITLE 14 & 16 LEAD	ISSUE	DATE		SHEET
JEDEC SOLID STATE PRODUCT OUTLINE	SCREW MOUNT AND SURFACE MOUNT POWER PACKAGE	В	Feb 08	MO-253	23 OF 27

TABLE 6

						VARIA ⁻	TIONS					
		CA (FIG 3	3, 3A))	CB (FIG 5, 5A)				С	C (FIG 9	, 9A)	
SYMBOL	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE
А	2.49	2.59	2.69		3.08	3.18	3.28		2.49	2.59	2.69	
A1	0.96	1.04	1.12		0.96	1.04	1.12		0.96	1.04	1.12	
Ь	5.72		5.87	4	4.70		4.85	4	3.94		4.09	4
b2	0.94		1.09	4								
b3	5.72		5.82		4.70		4.80		3.94		4.04	
b5	0.94		1.03									
b6		3.00 BSC		7	3.00 BSC 7			3.00 BSC			7	
D		17.52 BSC		3		23.62 BSC		3	17.52 BSC			3
D2		15.44 BSC				20.50 BSC				15.44 BSC		
D3	18.05	18.20	18.35		24.15	24.30	24.45		18.05	18.20	18.35	
E	14.00	14.10	14.20		14.00	14.10	14.20		14.00	14.10	14.20	
E3		3.25 BSC				3.25 BSC				3.25 BSC		
е		1.37 BSC										
e1		1.02 BSC				1.02 BSC				1.02 BSC		
e2		5.69 BSC				6.66 BSC				5.61 BSC		
e3		3.81 BSC										
k	0.66	0.76	0.86		0.66	0.76	0.86		0.66	0.76	0.86	
N		16		10		16		10	10 14			10
NOTES		1, 2			1, 2			1, 2				
REF		11-78	7		11-787			11-787				
ISSUE		В				В				В		

15550 00115	TITLE 14 & 16 LEAD	ISSUE	DATE		SHEET
JEDEC SOLID STATE PRODUCT OUTLINE	SCREW MOUNT AND SURFACE MOUNT POWER PACKAGE	В	Feb 08	MO-253	24 OF 27

TABLE 7

						VARIA	TIONS					
		DA (FIG 4	1, 4A))		B (FIG 6	, 6A)		DC) (FIG 10,	10A)
SYMBOL	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE
Α			2.80				3.40				2.80	
A1	0.02	0.06	0.10		0.02	0.06	0.10		0.02	0.06	0.10	
A2	2.49	2.59	2.69		3.07	3.17	3.27		2.49	2.59	2.69	
b	5.72		5.87	4	4.70		4.85	4	3.94		4.09	4
b2	0.94		1.09	4								
b3	5.72		5.82		4.70		4.80		3.94		4.04	
b5	0.94		1.03									
D		17.52 BSC		3		23.62 BSC		3	17.52 BSC			3
D2		15.44 BSC				20.50 BSC				15.44 BSC		
D3	18.05	18.20	18.35		24.15	24.30	24.45		18.05	18.20	18.35	
E	10.90	11.00	11.10		10.90	11.00	11.10		10.90	11.00	11.10	
E3		3.25 BSC				3.25 BSC				3.25 BSC		
е		1.37 BSC										
e1		1.02 BSC				1.02 BSC				1.02 BSC		
e2		5.69 BSC				6.66 BSC				5.61 BSC		
e3		3.81 BSC										
L	0.43	0.53	0.63		0.43	0.53	0.63		0.43	0.53	0.63	
L1		0.25 BSC				0.25 BSC				0.25 BSC		
R			0.45				0.45				0.45	
Θ	2°	5°	8.		2*	5°	8°		2°	5 °	8.	
N		16 10			16 10			14 10			10	
NOTES		1, 2			1, 2			1, 2				
REF		11-78	7		11-787			11-787				
ISSUE		В				В				В		

.=====	TITLE 14 & 16 LEAD	ISSUE	DATE		SHEET
JEDEC SOLID STATE PRODUCT OUTLINE	SCREW MOUNT AND SURFACE MOUNT POWER PACKAGE	В	Feb 08	MO-253	25 OF 27

NOTES

- 1. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994.
- 2. ALL DIMENSIONS IN MILLIMETERS.



D, E1 AND ØP ARE DETERMINED AT THE PLANE WHERE THE TOP OF THE LEADS EXIT THE PACKAGE. D, E1, AND ØP DO NOT INCLUDE MOLD PROTRUSION. MOLD PROTRUSION SHALL NOT EXCEED 0.15mm PER SIDE.



THE b, b1 AND b2 DIMENSIONS DO NOT INCLUDE DAM BAR PROTRUSION. ALLOWABLE PROTRUSION SHALL BE 0.15mm TOTAL IN EXCESS OF THE b, b1 AND b2 DIMENSION AT MAXIMUM MATERIAL CONDITION.



UNILATERAL PROFILE TOLERANCE DEFINES THE MINIMUM EXPOSED AREA OF THE HEAT SLUG. THE PROFILE APPLIES TO ALL EDGES. THE MAXIMUM EXPOSED AREA OF THE HEAT SLUG MAY EXTEND TO THE PACKAGE EDGE.



CROSSHATCHING REPRESENTS THE EXPOSED AREA OF THE HEAT SLUG.



LEAD EDGE MAY BE UNDERCUT BY UP TO 0.5mm IN THIS ZONE.



THE TERMINAL #1 IDENTIFIER AND TERMINAL NUMBERING CONVENTION SHALL CONFORM TO JEP95 SPP-012. DETAILS OF TERMINAL #1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED. THE TERMINAL #1 IDENTIFIER MAY BE EITHER A MOLD OR MARKED FEATURE.



HOLES THROUGH TO THE HEAT SLUG, LOCATION AND SIZE ARE OPTIONAL.



N IS THE TOTAL NUMBER OF TERMINALS.

Change Record

If the change involves any words added or deleted (excluding deletion of accidentally repeated words), the change is to be included below. Punctuation changes may or may not be included.

Initial Issue: A	Date: Feb 04	1	Item: 11-681		
		Revision History:			
Issue: B Date: Feb 08			Item: 11-787		
Location		Change from:	Change to:		
Sht 1		PDFP-F & PDFP-G	PDSO & PSOF		
Sht 2		NA	Added dim A1		
Sht: 5 thru 20		NA	New sht's added		
Sht: 21 Table 1		NA	Added variation AB, BB CA, CB, CC, DA, DB & DC		
Sht: 21 Table 2		NA	Removed symbol b, b2, b3, b5, D, D1, D2, e, e1, e2, e3 & N		
		P was 3.30 Nom 3.40 Max	3.33 Nom 3.46 Max		
Sht: 22 Table 4		NA	Added: Variation AB, Symbols b, b2, b3, b5, D, D1, D2, e, e1, e2, e3 & N		
Sht: 23 Table 5		NA	Added: Variation BB, Symbols b, b2, b3, b5, D, D1, D2, e, e1, e2, e3, R & N		
Sht: 24, 25 & 27		NA	New sht's added		
Sht: 26		Was sht 7	New sht's added		
Issue:	Date:		Item:		
Location		Change from:	Change to:		

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE 14 & 16 LEAD	ISSUE	DATE		SHEET
	SCREW MOUNT AND SURFACE MOUNT POWER PACKAGE	В	Feb 08	MO-253	27 OF 27