



© NXP SEMICONDUCTORS N.V. ALL RIGHTS RESERVED	MECHANICAL OUTLINE	PRINT VERSION NOT TO SCALE
TITLE: TO-270 WBL-16 GULL A1 SPECIAL	DOCUMENT NO: 98ASA00499D	REV: A
	STANDARD: NON-JEDEC	
	SOT1729-1	11 JAN 2016



NOTES:

1. CONTROLLING DIMENSION: INCH
2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
3. DATUM PLANE H IS LOCATED AT THE TOP OF LEAD AND IS COINCIDENT WITH THE LEAD WHERE THE LEAD EXITS THE PLASTIC BODY AT THE TOP OF THE PARTING LINE.
4. DIMENSIONS "D" AND "E1" DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE PROTRUSION IS .006 INCH (0.15 MM) PER SIDE. DIMENSIONS "D" AND "E1" DO INCLUDE MOLD MISMATCH AND ARE DETERMINED AT DATUM PLANE H.
5. DIMENSIONS "b" AND "b1" DO NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE .005 INCH (0.13 MM) TOTAL IN EXCESS OF THE "b" AND "b1" DIMENSIONS AT MAXIMUM MATERIAL CONDITION.
6. DATUMS A AND B TO BE DETERMINED AT DATUM PLANE H.
7. HATCHING REPRESENTS THE EXPOSED AND SOLDERABLE AREA OF THE HEAT SLUG. DIMENSIONS M AND N REPRESENT THE VALUES BETWEEN THE TWO OPPOSITE POINTS ALONG THE EDGES OF EXPOSED AREA OF HEAT SLUG.
8. DIMENSION "A1" IS MEASURED WITH REFERENCE TO DATUM C. THE POSITIVE VALUE IMPLIES THAT THE BOTTOM OF THE PACKAGE IS HIGHER THAN THE BOTTOM OF THE LEAD.
9. THESE SURFACES OF THE HEAT SLUG ARE NOT PART OF THE SOLDERABLE SURFACES AND MAY REMAIN UNPLATED.

DIM	INCH		MILLIMETER		DIM	INCH		MILLIMETER	
	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX
A	.122	.128	3.10	3.25	b	.184	.190	4.67	4.83
A1	-.0008	.0024	-0.02	0.06	b1	.010	.016	0.25	0.41
A2	(.128)		(3.25)		c1	.007	.011	0.18	0.28
D	.928	.932	23.57	23.67	e	.020 BSC		0.51 BSC	
D1	.950	.958	24.13	24.33	e1	.040 BSC		1.02 BSC	
E	.429	.437	10.90	11.10	e2	.131 BSC		3.33 BSC	
E1	.353	.357	8.97	9.07	t	2'	8'	2'	8'
E2	.346	.350	8.79	8.89	aaa	.004		0.10	
E3	.132	.140	3.35	3.56					
L	.018	.024	0.46	0.61					
L1	.01 BSC		0.25 BSC						
M	.800	----	20.32	----					
N	.270	----	6.86	----					

© NXP SEMICONDUCTORS N.V. ALL RIGHTS RESERVED		MECHANICAL OUTLINE		PRINT VERSION NOT TO SCALE			
TITLE: TO-270 WBL-16 GULL A1 SPECIAL			DOCUMENT NO: 98ASA00499D		REV: A		
			STANDARD: NON-JEDEC				
			SOT1729-1		11 JAN 2016		