

TITLE: PACKAGE OUTLINE, 56L THIN QFN, 8x8x0.75mm

APPROVAL
SCOTT SCHROEDER
07/07/11

DOCUMENT CONTROL NO.
21-0171


REV.
C 1/2

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS. ANGLES ARE IN DEGREES.
2. DIMENSIONING & TOLERANCING CONFORM TO ASME Y14.5M-1994.
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 EITHER A MOLD OR MARKED FEATURE.
5. DIMENSION b APPLIES TO METALLIZED TERMINAL AND IS MEASURED BETWEEN 0.25 mm AND 0.30 mm FROM TERMINAL TIP.
6. ND AND NE REFER TO THE NUMBER OF TERMINALS ON EACH "D" AND "E" SIDE, RESPECTIVELY.
7. DEPOPULATION IS POSSIBLE IN A SYMMETRICAL FASHION.
8. COPLANARITY APPLIES TO THE EXPOSED HEAT SINK SLUG AS WELL AS THE TERMINALS.
9. WARPAGE SHALL NOT EXCEED 0.10 mm.
10. MARKING IS FOR PACKAGE ORIENTATION ONLY.
11. DIMENSION "A1" IS BASED ON EMBOSSING OF THE LEAD SURFACES.
12. LEAD CENTERLINES TO BE AT TRUE POSITION AS DEFINED BY DIMENSION "e", ±0.05.
13. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE ±0.05mm EXCEPT DIMENSION "k."
14. MATERIAL MUST COMPLY WITH BANNED AND RESTRICTED SUBSTANCES SPEC # 10-0131.
15. ALL DIMENSIONS APPLY BOTH TO LEAD FREE (+) & LEADED (-) PKG. CODES.
16. PACKAGE CODE: T5688M-4

COMMON DIMENSIONS			
SYMBOL	MIN.	NOM.	MAX.
A	0.70	0.75	0.80
A1	0.00	0.02	0.05
A2	0.20 REF.		
b	0.20	0.25	0.30
D	7.90	8.00	8.10
D2	3.95	4.00	4.05
E	7.90	8.00	8.10
E2	3.95	4.00	4.05
e	0.50 BSC.		
k	0.25	-	-
L	0.30	0.40	0.50
ND	14		
NE	14		

EXPOSED PAD VARIATIONS		
SYMBOL	MILLIMETER	INCH
EP1	6.59x2.87	0.113x0.259
EP2	2.11x3.37	0.133x0.083
EP3	4.12x3.37	0.133x0.162

			
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