

NOTES:

1. DIE THICKNESS ALLOWABLE IS 0.305mm MAXIMUM(.012 INCHES MAXIMUM)
2. DIMENSIONING & TOLERANCES CONFORM TO ASME Y14.5M. – 1994.
3. N IS THE NUMBER OF TERMINALS.
NDA, NDB ARE THE NUMBER OF TERMINALS IN X-DIRECTION & NEa, NEb ARE THE NUMBER OF TERMINALS IN Y-DIRECTION.
4. DIMENSION b APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN 0.15 AND 0.30mm FROM TERMINAL TIP.
5. THE PIN #1 IDENTIFIER MUST BE EXISTED ON THE TOP SURFACE OF THE PACKAGE BY USING INDENTATION MARK OR OTHER FEATURE OF PACKAGE BODY.
6. EXACT SHAPE AND SIZE OF THIS FEATURE IS OPTIONAL.
7. ALL DIMENSIONS ARE IN MILLIMETERS.
8. UNILATERAL COPLANARITY ZONE APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINALS.
9. APPLIED ONLY FOR TERMINALS.

S _y M _B L	COMMON DIMENSIONS			N _O T _E
	MIN.	NOM.	MAX.	
A	—	0.85	0.90	
A1	0.00	0.01	0.05	8
A2	—	0.70	0.75	
A3	0.15 REF.			
D	12.00 BSC			
D1	11.74 BSC			
E	12.00 BSC			
E1	11.74 BSC			

S _y M _B L	PITCH VARIATION			N _O T _E
	MIN.	NOM.	MAX.	
eT	0.50 BSC			
eR	0.65 BSC			
N	156			3
NDA	20			3
NDB	19			3
NEd	20			3
NEb	19			3
Ld	0.30	0.40	0.50	
Lb	0.30	0.40	0.50	
b	0.17	0.22	0.27	4
D2	8.80	8.90	9.00	
E2	8.80	8.90	9.00	
θ	—			12°
P	0.24	0.42	0.60	



TITLE PACKAGE OUTLINE, DUAL ROW M.L.F. 156 LEAD,
12 X 12 mm BODY, ETCHED, 0.50/0.65 mm LEAD PITCH,
INTERSTITIAL TYPE, PUNCH SINGULATION

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