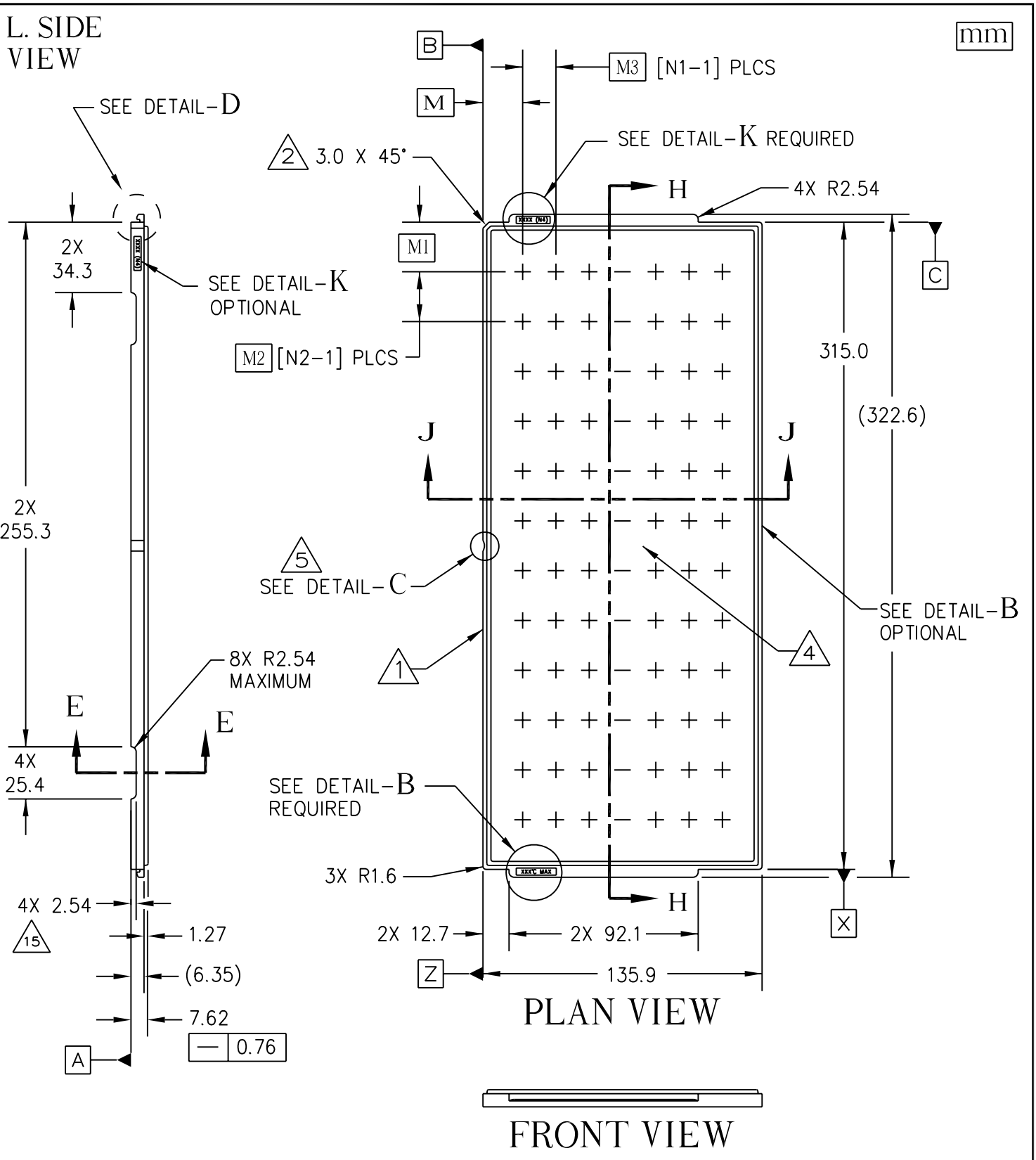


JEDEC SOLID STATE PRODUCT OUTLINE	THIS REGISTERED OUTLINE HAS BEEN PREPARED BY THE JC-11 COMMITTEE AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS INDUSTRY; CHANGES ARE LIKELY TO OCCUR				
TITLE: THIN MATRIX TRAY FOR SHIPPING AND HANDLING OF ADVANCED MEMORY BUFFER		ISSUE A	DATE MAR 2006	CO-035	SHEET 1 OF 5

mm

XXXX (N4) 13

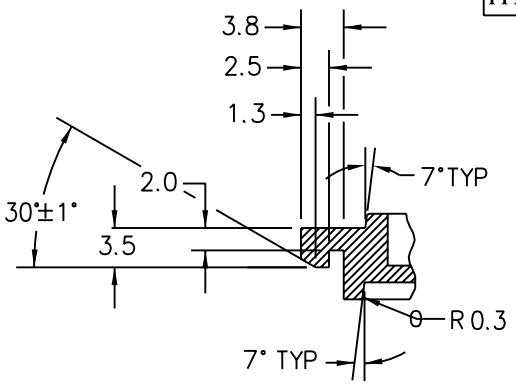
TRAY DESIGNATOR

DETAIL – K

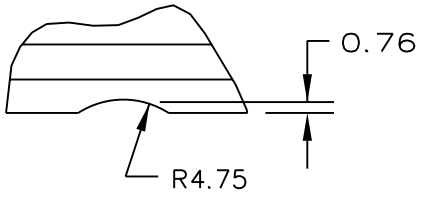
XXX°C MAX 12

TEMP. RATING

DETAIL – B

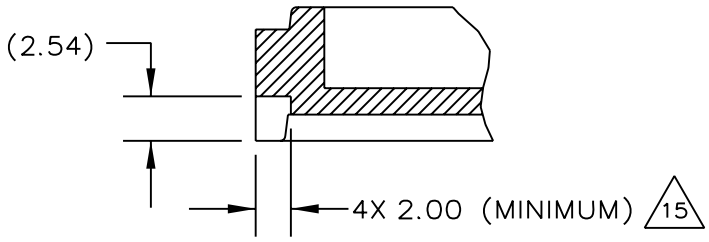


DETAIL – D



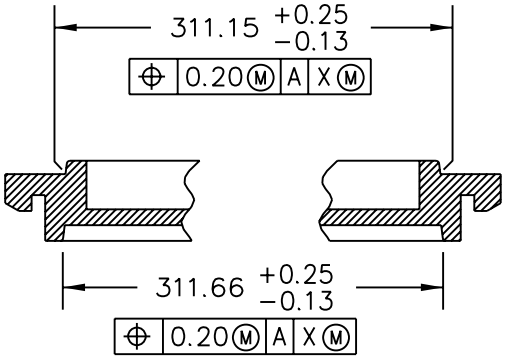
DETAIL – C

NOTE: SCALLOP IS CENTERED ON SIDE OF TRAY



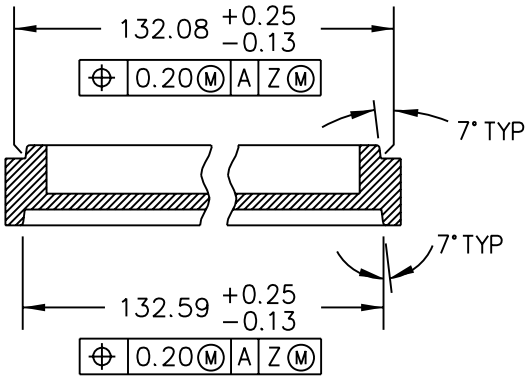
SECTION – E-E

ROTATED 90° CCW



SECTION – H-H

ROTATED 90° CCW



SECTION – J-J

TRAY STACKING DETAIL

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE: THIN MATRIX TRAY FOR SHIPPING AND HANDLING OF ADVANCED MEMORY BUFFER	ISSUE	DATE		SHEET
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VARIATION DIMENSIONS ARE IN MILLIMETERS

VARIATION	PACKAGE BODY SIZE	TRAY MATRIX
AA	19.5MM X 24.5MM	4 X 10

VARIATIONS

SYMBOL	AA DIMENSIONS ARE IN MILLIMETERS MIN NOM MAX	NOTE
M	24.15 BSC	14
M1	26.10 BSC	14
M2	29.20 BSC	14
M3	29.20 BSC	14
N	655	6
N1	4 COLUMNS	
N2	10 ROWS	
N3	40	7
N4	19.5 MM X 24.5 MM	13
N5	ROW/COLUMN [2/2], [9/3]	4
N6	ROW/COLUMN [5/2.3], [6/2,3]	3
NOTES	9, 10, 11, 14, 20	
REF.	5-736	
ISSUE	—	

NOTES:

1. THESE SURFACES TO BE FREE OF SEAMS.
2. CHAMFER DENOTES PACKAGE PIN 1 ORIENTATION.
3. TRAY VACUUM PICKUP METHOD ALLOWS TWO SEPARATE PICKUP AREAS, RESULTING IN TWO CLOSED CELLS PER TRAY. OPTIONAL VACUUM PICKUP CELL LOCATIONS ARE N5.
4. TRAY VACUUM PICKUP METHOD REQUIRES A 28 mm SQUARE (MINIMUM) WALLED PICKUP AREA, LOCATED AS CLOSE TO THE CENTER OF THE TRAY AS IS PRACTICAL. CENTER VACUUM PICKUP CELL LOCATIONS ARE N6.
5. THE SCALLOP ALLOWS THE USE OF A PIN TO MECHANICALLY BIAS THE TRAY ORIENTATION.
6. N REFERS TO THE PACKAGE LEADCOUNTS SUPPORTED, FULLY POPULATED ARRAY.
7. TOTAL USABLE CELLS N3 = N1 X N2.
8. PACKAGE INTERFACE CONTROLLED BY PACKAGE DESIGN AND LEAD FORM.
9. NONTABULATED DIMENSIONS HAVE A TOLERANCE OF .X = ±0.25, .XX = ± 0.13, ANGLES ±0.5°.
10. ALL DIMENSIONS ARE IN MILLIMETERS.
11. INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M–1994
12. XXX IS THE MAXIMUM OPERATING TEMPERATURE THE EMPTY TRAY CAN BE SUBJECTED TO FOR 48 CONTINUOUS HOURS WITHOUT VIOLATING THE DIMENSIONAL TOLERANCE OF THE TRAY.
13. N4 INDICATES THE PACKAGE TYPE ACCOMODATED.
14. DIMENSIONS M, M1, M2, AND M3 DEFINE THE CENTER LINES FOR THE CELL SITES.
15. BOTTOM SIDEWALL NOTCHES REQUIRE A 2.00 mm (MINIMUM) DEPTH TO FACILITATE AUTO HANDLING EQUIPMENT.
16. ALL EXTERNAL TRAY SURFACES THAT MAY COME IN CONTACT WITH THE DRY PACK BAGS SHALL BE FREE OF SHARP EDGES.
17. ALL TRAY MEASUREMENTS ARE TO BE MADE WITH THE TRAY UN–RESTRICTED.
18. RECOMMENDED FOR PACKAGES WITH OVERALL THICKNESS OF 4.75 mm OR LESS
19. VACUUM CELL LOCATIONS ARE IN THE FREE AREAS DOWN THE CENTER OF THE TRAY, NOT IN THE POCKET AREAS.
20. TO BE USED ONLY FOR ADVANCED MEMORY BUFFER DEVICE USING PACKAGE PER MO–261 BY SPECIAL DISPENSATION OF THE JC–11–COMMITTEE.