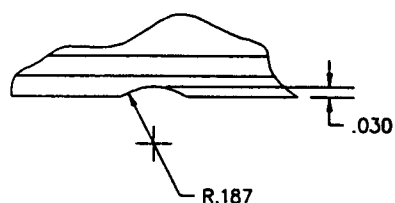


ALL DIMENSIONS ARE IN INCHES

JEDEC Solid State Product Outline	Title: TRAY FOR HANDLING AND SHIPPING OF PQFP PACKAGES	Issue  B	Date  <b>Jan 1993</b>	C0-015	S <sub>HT</sub> 1 OF 5
---	---	----------------	-----------------------------	--------	---------------------------------

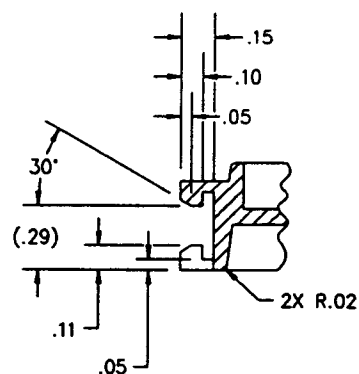
$\triangle 6$   
 PQFP (N)  
 TRAY DESIGNATOR  
DETAIL~K

$\triangle 12$   
 XXX°C MAX.  
 TEMP. RATING  
DETAIL~B

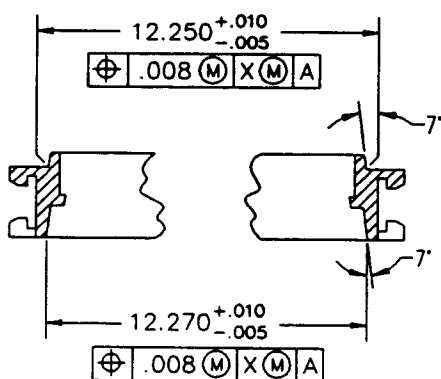


NOTE: SCALLOP IS CENTERED  
ON SIDE OF TRAY.

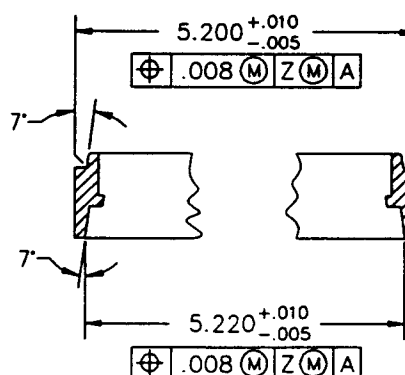
DETAIL~C  
 (ROTATED 90° CCW)



DETAIL~D  
 (ROTATED 90° CCW)



SECTION~H-H  
 (ROTATED 90° CCW)



SECTION~J-J

## TRAY STACKING DETAIL

FIGURE 2

ALL DIMENSIONS ARE IN INCHES

JEDEC Solid State Product Outline	Title: TRAY FOR HANDLING AND SHIPPING OF PQFP PACKAGES	Issue  B	Date  Jan 1993	CO-015	S <sub>H</sub> T 2 O F 5
---	---	----------------	----------------------	--------	--------------------------------------

## 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 N4.
- ④ TRAY VACUUM PICKUP METHOD REQUIRES A WALLED PICKUP AREA, LOCATED AS CLOSE TO THE CENTER OF THE TRAY AS IS PRACTICAL. CENTER VACUUM PICKUP CELL LOCATIONS ARE N5.
- ⑤ THIS SCALLOP ALLOWS THE USE OF A PIN TO MECHANICALLY BIAS THE TRAY ORIENTATION.
- ⑥ THE SYMBOL N REFERS TO PACKAGE LEADCOUNT SUPPORTED.
7. TOTAL USABLE CELLS  $N3 = N1 \times N2$
8. PACKAGE INTERFACE CONTROLLED BY PACKAGE DESIGN AND LEAD FORM.
9. NON-TABULATED DIMENSIONS HAVE A TOLERANCE OF .XX=±.01, .XXX=±.005, ANGLES ±0.5°.
10. CONTROLLING DIMENSIONS ARE IN INCHES.
11. INTERPRET DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ANSI Y14.5M-1982.
- 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. DIMENSION M, M1, M2 AND M3 DEFINE THE CENTER LINES FOR THE CELL SITES.

JEDEC Solid State Product Outline	Title: TRAY FOR HANDLING AND SHIPPING OF PQFP PACKAGES	Issue  B	Date  Jan 1993	CO-015	S <sub>H</sub> T 3 OF 5
---	---	----------------	----------------------	--------	----------------------------------

[illegible][illegible]

ISSUE: A

JEDEC Solid State Product Outline	Title: TRAY FOR HANDLING AND SHIPPING OF PQFP PACKAGES	Issue  B	Date  Jan 1993	CO-015	S <sub>H</sub> T 4 O F 5
---	---	----------------	----------------------	--------	--------------------------------------

VARIATION    DIMENSIONS ARE IN INCHES

[illegible]

VARIATION    DIMENSIONS ARE IN INCHES

[illegible]

JEDEC Solid State Product Outline	Title: TRAY FOR HANDLING AND SHIPPING OF PQFP PACKAGES	Issue  B	Date  Jan 1993	C0-015	S <sub>H</sub> T 5 OF 5
---	---	----------------	----------------------	--------	----------------------------------