

FIGURE 1

ALL DIMENSIONS ARE IN INCHES

<p>EDEC Solid State Product Outline</p>	<p>TITLE: TRAY FOR HANDLING AND SHIPPING OF METRIC QFP PACKAGES</p>	<p>Issue C</p>	<p>Date 11/92</p>	<p>CO-012</p>	<p>S_HT 1 O_F 4</p>
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13

MQFP (N4)

TRAY DESIGNATOR

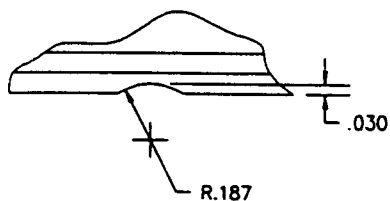
DETAIL~K

11

XXX°C MAX.

TEMP. RATING

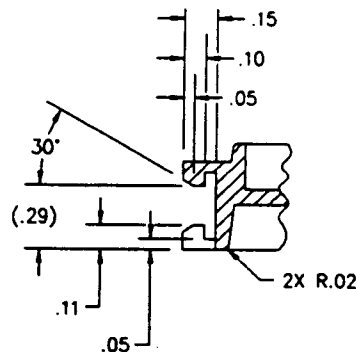
DETAIL~B



NOTE: SCALLOP IS CENTERED
ON SIDE OF TRAY.

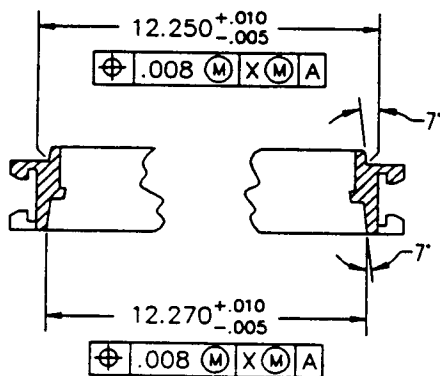
DETAIL~C

(ROTATED 90° CCW)



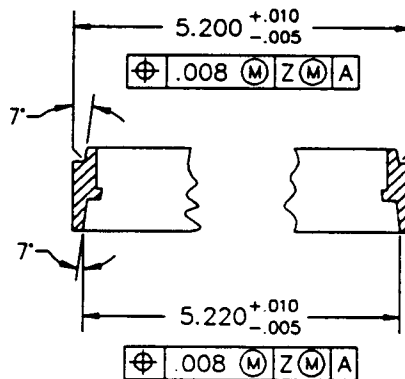
DETAIL~D

(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
METRIC QFP PACKAGES

Issue

C

Date

11/92

CO-012

S_HT
2
O
F
4

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 WALLED PICKUP AREA, LOCATED AS CLOSE TO THE CENTER OF THE TRAY AS IS PRACTICAL. CENTER VACUUM PICKUP CELL LOCATIONS ARE N6.
- ⑤ THIS SCALLOP ALLOWS THE USE OF A PIN TO MECHANICALLY BIAS THE TRAY ORIENTATION.
6. TOTAL USABLE CELLS $N3 = N1 \times N2$
7. PACKAGE INTERFACE CONTROLLED BY PACKAGE DESIGN AND LEAD FORM.
8. NON-TABULATED DIMENSIONS HAVE A TOLERANCE OF $.XX=\pm.01$, $.XXX=\pm.005$, ANGLES $\pm 0.5^\circ$
9. CONTROLLING DIMENSIONS ARE IN INCHES.
10. INTERPRET DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ANSI Y14.5M-1982.
- ⑪ 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.
12. DIMENSION M, M1, M2 AND M3 DEFINE THE CENTER LINES FOR THE CELL SITES.
- ⑬ N4 INDICATES PACKAGE TYPE ACCOMMODATED.

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