



MQFP (N4)

TRAY DESIGNATOR

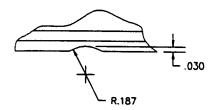
DETAIL~K



XXX°C MAX.

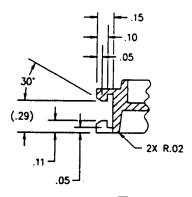
TEMP. RATING

DETAIL~B

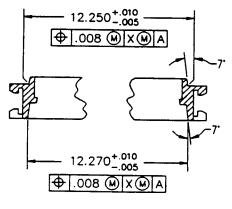


NOTE: SCALLOP IS CENTERED ON SIDE OF TRAY.

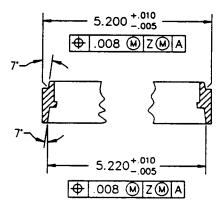
DETAIL~C (ROTATED 90° CCW)



 $\frac{\text{DETAIL} \sim D}{\text{(ROTATED 90°CCW)}}$ 



 $\frac{\text{SECTION} \sim H - H}{\text{(ROTATED 90. CCW)}}$ 



SECTION  $\sim J - J$ 

## TRAY STACKING DETAIL

FIGURE 2

(

ALL DIMENSIONS ARE IN INCHES

JEDEC	TITLE:	Issue	Date		SHT
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THESE SURFACES TO BE FREE OF SEAMS.



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 X N2
- 7. PACKAGE INTERFACE CONTROLLED BY PACKAGE DESIGN AND LEAD FORM.
- 8. NON-TABULATED DIMENSIONS HAVE A TOLERANCE OF .XX=±.01, .XXX=±.005, ANGLES ±0.5°
- 9. CONTROLLING DIMENSIONS ARE IN INCHES.
- 10. INTERPRET DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ANSI Y14.5M-1982.



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.



N4 INDICATES PACKAGE TYPE ACCOMMODATED.

EDEC	TITLE:	Issue	Date		SHT
Solid State Product Outline	TRAY FOR HANDLING AND SHIPPING OF METRIC QFP PACKAGES	С	11/92	CO-012	3 0 <sub>F</sub>

	\	/ARIATIO	ON DIMENSI	ONS ARE	IN II	NCHES			
SymBoL M M1 M2 M3 N1 N2 N3 N4 N5 N6	AA MIN. NOM608 BS0 .885 BS0 .1.063 BS0 .827 BS0 6 COLUMNS 11 ROWS 66 14mmX20mm ROW/COLUMN [2/3], ROW/COLUMN [6/3,4)	C 12 C 12 C 12 S 6 13 [10/4] 3	1.218 E 1.100 E 1.457 1.457 3 COLL 8 ROW 24 28mmX2 ROW/COLUMN [2	BSC BSC BSC BSC JMNS S	NOTE 12 12 12 12 12 12 13 3 4	6 1	AC NOM. 720 BSC 580 BSC 736 BSC 782 BSC COLUM 6 ROWS 96 10mmX10mm DUMN [3/3] JMN [8/3,4]	NS .	NOTE 12 12 12 12 12 13 4
NOTE REF: ISSU	5-265 E: A	/ARIATIO		ONS ARE		8,9, 5-2 B NCHES	10 87		
M M1 M2 M3 N1 N2 N3 N4 N5 N6	.608 BSC .701 BSC .846 BSC .827 BSC 6 COLUMNS 14 ROWS 84 14mmX14mm ROW/COLUMN [3/3]. ROW/COLUMN [7/3,4].	6	1.046 .986 1.489 1.629	BSC BSC BSC JMNS S 2mm /2], [7/2] /2], [5/2]	12 12 12 12 12 12 13 3 4	MIN.	NOM.	MAX.	OTE
JED! Solid		AND SHIF	R HANDLING PPING OF PP PACKAGES	Issue C		ate .1/92	C0-C		A O <sub>F</sub> 4