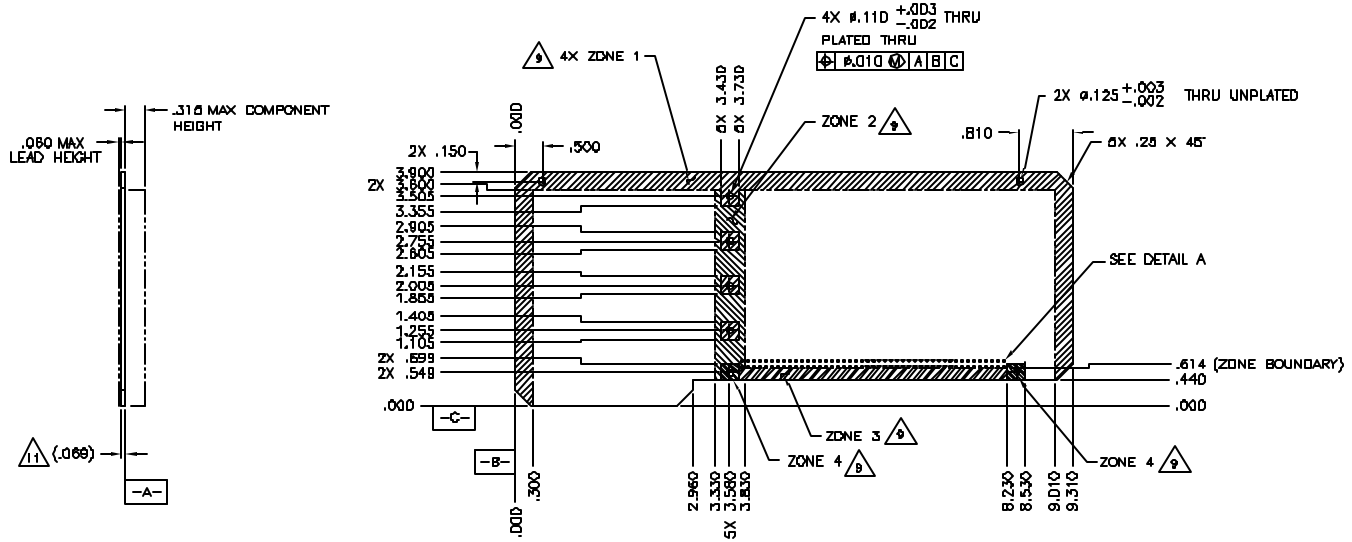
REVISIONS					
REV	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
A	29-800	INITIAL RELEASE (from 29-20401_01_A)			



NOTES:

1. BOARD SHOWN FROM CONNECTOR SIDE.
2. UNTOLERANCED DIMENSIONS LOCATING TRUE POSITION ARE BASIC.
4. HOLE SIZES ARE AFTER PLATING.
5. PRINTED WIRING BOARD PART NUMBER IS 30-20401 OR 29-20401.
6. DESIGN AND FABRICATION SHALL BE IAW 30-20401.03 OR 29-20401.03
7. SOLDER MASK MUST BE APPLIED OVER BARE COPPER, EXCEPT AS NOTED.

8 MARKING SHALL INCLUDE AS A MINIMUM:

MARKING	OBTAINED FROM
MANUFACTURER'S NAME	PWB MANUFACTURER
MANUFACTURER'S PART NUMBER	PWB MANUFACTURER
MANUFACTURER'S LOT CODE	PWB MANUFACTURER
PWB PART NUMBER	30-20401
PWB REVISION	PWB PURCHASE ORDER
PWB NAME	VIDEO
ASSEMBLY PART NUMBER	30-20400 REV
CONNECTOR PIN DESIGNATION	THIS DRAWING

MARKING AS 29-2040x.xx IS ACCEPTABLE.

9 ZONE RESTRICTIONS:

ZONE 1: NO COMPONENTS OR EXTERNAL TRACES (EXCEPT GROUND PLANE) WITHIN THIS AREA. GROUND PLANE TO TERMINATE WITH .080 FROM BOARD EDGE. AREA TO BE FREE OF SOLDER MASK BOTH SIDES. AREA TO BE BARE COPPER. FAR SIDE ONLY, EXCEPT FOR .010 NO COPPER AT BOARD EDGE AND .020 AT INTERNAL BOUNDRIES.

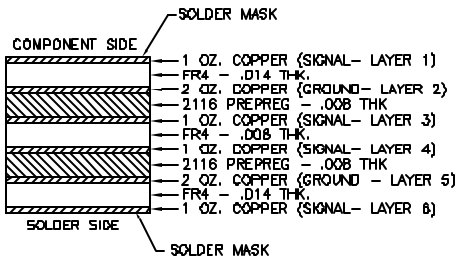
ZONE 2: .125 MAXIMUM COMPONENT HEIGHT IN THIS AREA. EXCEPT CONNECTOR.

ZONE 3: NO TRACES ON COMPONENT SIDE THIS AREA.

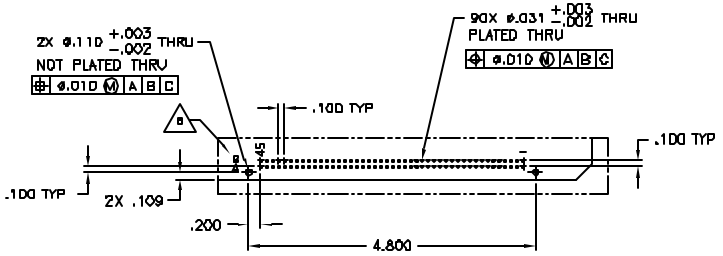
ZONE 4: NO EXTERNAL OR INTERNAL TRACES (EXCEPT GROUND PLANE) WITHIN THESE AREAS.

10. ALL PLATED THRU HOLES TO BE FREE OF SOLDER MASK.

11 OVERALL THICKNESS INCLUDES PLATING.



LAYER ASSIGNMENTS 11



DETAIL A

NAME	DATE
DRAWN Matt Smith	1/28/02
CHECKED	
APPROVED	
RELEASED	
WEIGHT NOT DETERMINED	

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS SHALL BE INTERPRETED IAW ANSI Y14.5 - 1982
DIMENSIONS ARE IN INCHES
TOLERANCES: ANGLES ±1°
3 PLACE DECIMALS ±.005
2 PLACE DECIMALS ±.01
THIRD ANGLE PROJECTION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CENTER FOR SPACE RESEARCH
CAMBRIDGE, MA 02139

OUTLINE, PCB, VIDEO

SIZE	CAGE CODE	DWG NO.	REV
D	80230	30-20401.01	A

SCALE 1/1 SHEET 1 OF 1