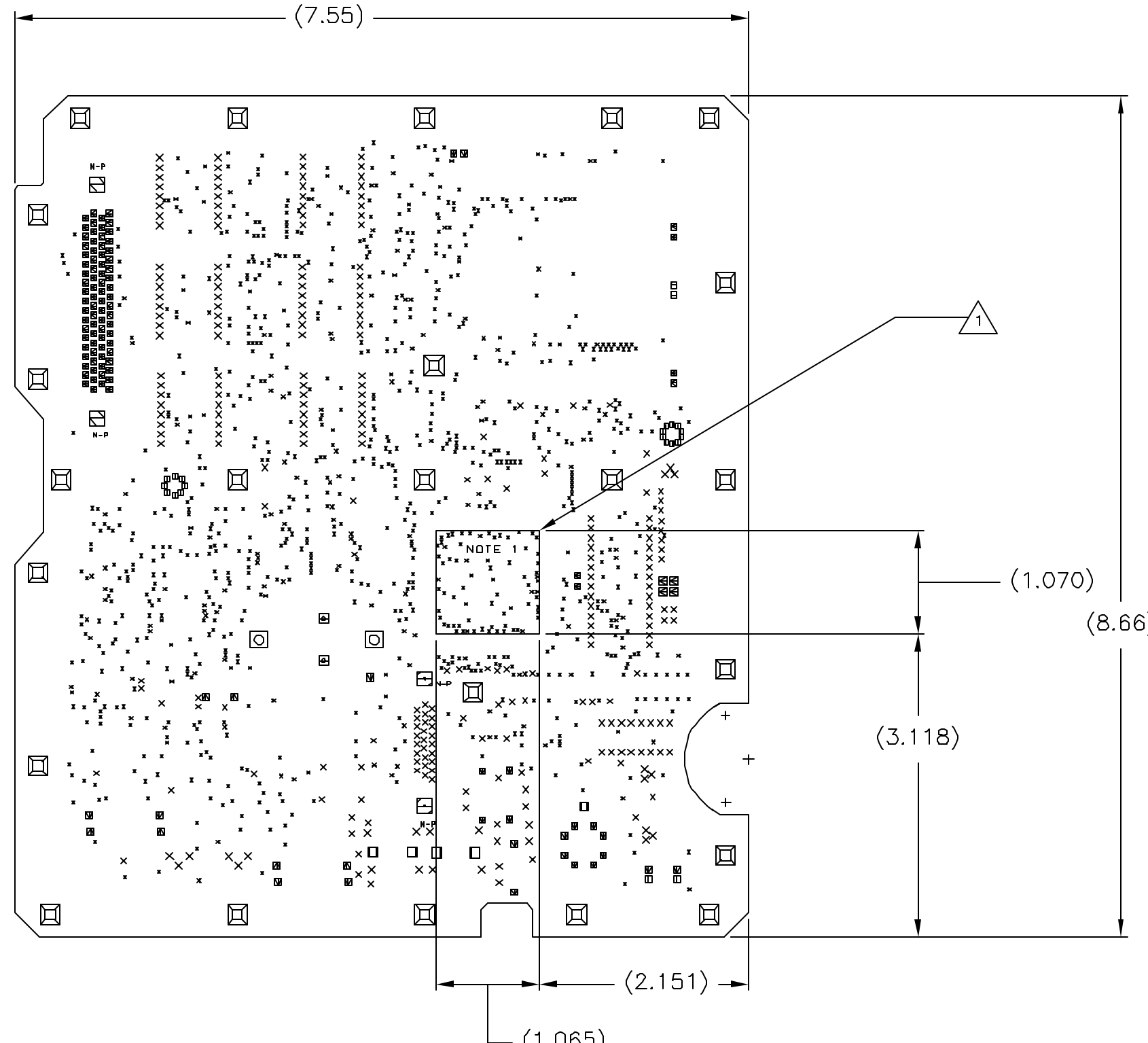


8 7 6 5 4 3 2 1

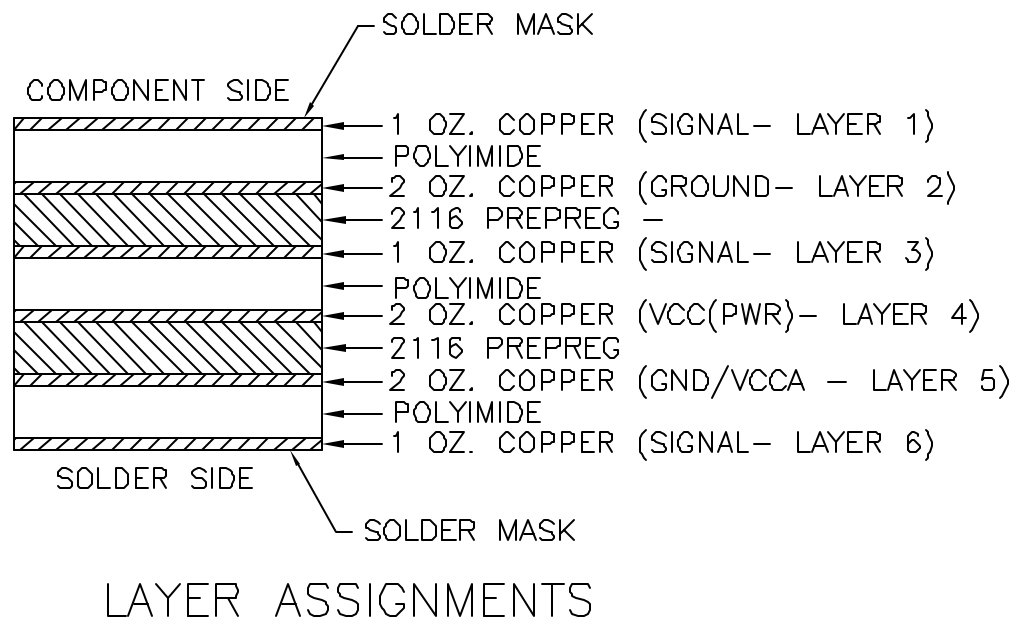
REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	01	INITIAL RELEASE		
	02	UPDATE FOR CONNECTORS AND ADDED HOLES FOR SUPPORT		
32-079	03	RELAYOUT FOR CONN AND NTC HOLES		
32-083	A	CHANGE J1 AND J5 CONNECTORS		
32-109	B	MOVE J1. DELETE MOUNTING PADS AND HOLES		
32-107	C	REIDENTIFY AND RELEASE AS PWB DRAWING	11/7/06	N. SMITH

HOLE LEGEND					
SYM	DIA	DIA TOL	PLATE	QTY	
		$+.003 - .003$			
X	.012DIA		YES	1013	
□	.032DIA		YES	20	
X	.035DIA		YES	271	
□	.040DIA		YES	117	
□	.050DIA		YES	5	
□	.062DIA		YES		
□	.045DIA		YES	2	
□	.096DIA		NO		
□	.096DIA		YES		
□	.116DIA		NO		
□	.121DIA	$+.003 - .003$	NO	24	
□	.133DIA		NO	2	
□	.170DIA		YES	2	
□	.022DIA		YES	2	
□	.030DIA				
□	.126DIA		NO	2	



- NOTES:
- FILL IN COMPLETELY WITH SOLDER MASK. NO EXPOSED METAL.
  - UNTOLERANCED DIMENSIONS LOCATING TRUE POSITION ARE BASIC.
  - HOLE SIZES ARE AFTER PLATING.
  - PRINTED WIRING BOARD PART NUMBER IS 32-10202.01
  - DESIGN SHALL BE IAW IPC-2221 AND IPC-2222(CLASS 3, LEVEL A).
  - MANUFACTURING SHALL BE IAW IPC-6011 AND IPC-6012 (CLASS 3, LEVEL A)
  - ALL PLATED THRU HOLES TO BE FREE OF SOLDER MASK.
  - MARKING SHALL INCLUDE AS A MINIMUM:
 

<u>MARKING</u>	<u>OBTAINED FROM</u>
MANUFACTURER'S NAME	PWB MANUFACTURER
MANUFACTURER'S PART NUMBER	PWB MANUFACTURER
MANUFACTURER'S LOT CODE	PWB MANUFACTURER
PWB PART NUMBER	32-10202.01
PWB REVISION	PWB PURCHASE ORDER
PWB SERIAL NUMBER	PWB MANUFACTURER
ASSEMBLY PART NUMBER	32-10202
  - SOLDER MASK MUST BE APPLIED OVER BARE COPPER EXCEPT AS NOTED. SOLDER MASK MUST BE .004-.008 LARGER THAN PADS AND RECTANGLES. SOLDER MASK MATERIAL SHALL BE TAIYO PSR-4000 BN GREEN SOLDER MASK, USING A 1 HOUR CURE AT 150 °C, AIR CURE FOLLOWED BY A UV CURE.
  - OVERALL THICKNESS INCLUDES PLATING.
  - GROUND PLANE AND Vcc LAYER TO TERMINATE .050 MIN FROM BOARD EDGE.
  - FAB HOUSE TO PUT STACK UP COUPONS ON BOARD.



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE: ANGLES +/- .1° 3 PLACE DECIMALS +/- .005 2 PLACE DECIMALS +/- .01		NAME	DATE	Massachusetts Institute of Technology Center for Space Research CRATER
MATERIAL		DRAWN M. SMITH	10/2005	
FINISH		CHECKED		PWB DRAWING DIGITAL BOARD
NEXT ASSEMBLY		APPROVED		
USED ON		RELEASED		
APPLICATION		CAD FILE		SIZE D 80230
				DWG NO. 32-10202.01
				SCALE 1:1
				SHEET 1 OF 1

8 7 6 5 4 3 2 1