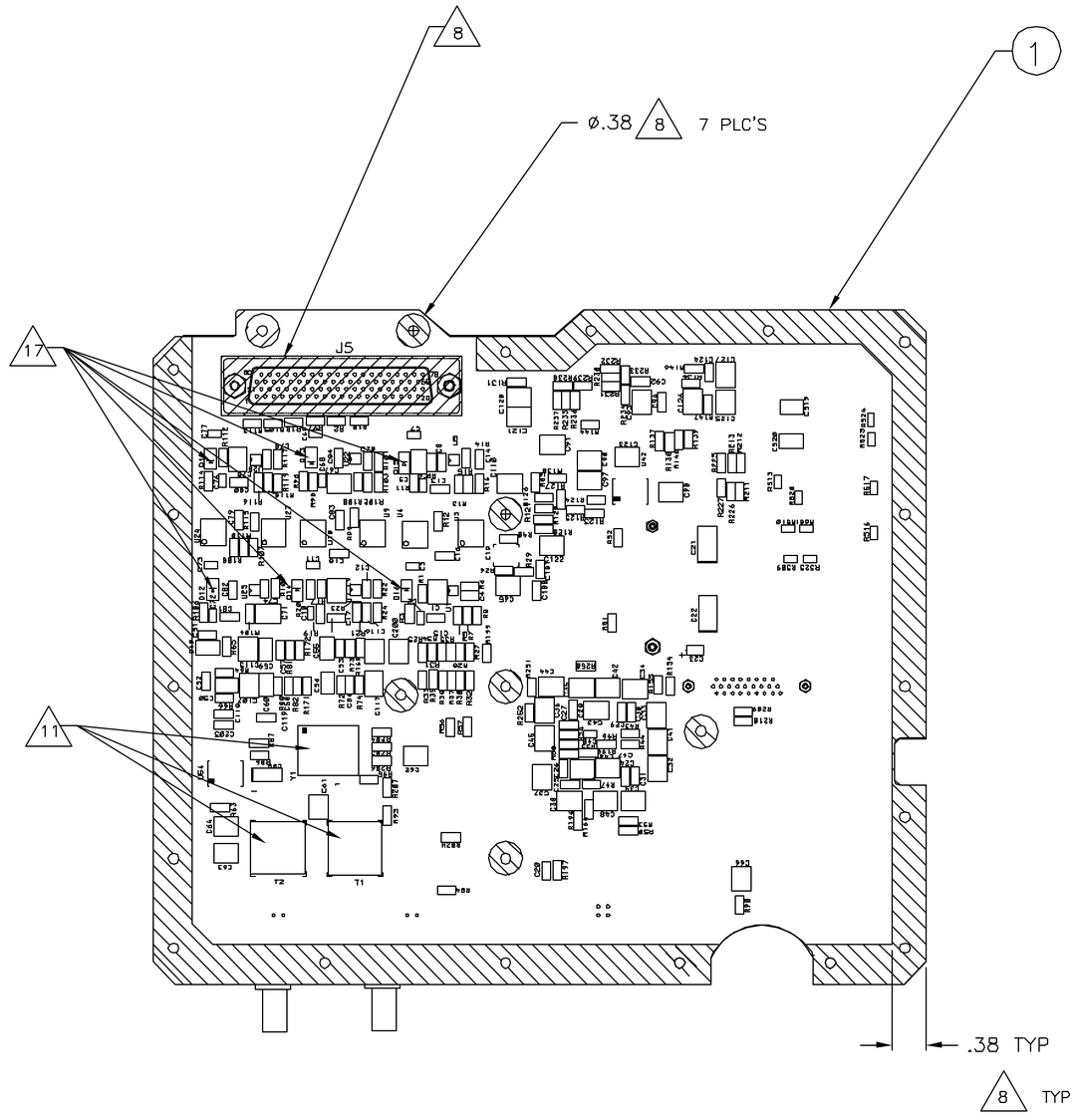
REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
32-198	A	INITIAL RELEASE		



NOTES:

1. CONNECT J3/J4 BULKHEAD CONNECTORS TO J3/J4 ON PCB. CENTER CONDUCTOR GOES TO PIN 1 ON THE PCB.
2. HEAT SINK LEADS ON C504-C508 AND C510 DURING SOLDERING.
3. SOLDER IAW NASA SPECIFICATION NASA-STD-8739.2 AND NASA-STD-8739.3.
4. PARTS TO RECEIVE A CURSORY INSPECTION PRIOR TO KITTING AND INSTALLATION.
5. DO NOT SOAK PCB ASSY WITH T501 INSTALLED. INSTALL T501 AFTER ALL PARTS ARE ARE INSTALLED AND THE ASSEMBLY IS CLEANED AND INSPECTED.
6. TORQUE 4-40 HARDWARE TO 54 IN-OZ. SPOTBOND WITH F/N 11.
   TORQUE 6-32 HARDWARE TO 5 IN-LBS. SPOTBOND WITH F/N 11.
7. ASSEMBLY IS STATIC SENSITIVE. HANDLE IAW MIT PROCEDURE 99-01003.
8. MASK FOR CONFORMAL COAT, USING F/N 25, AS INDICATED. REMOVE F/N 25 AFTER CONFORMAL COATING.
9. VACUUM BAKE ALL CONNECTORS AT 80C FOR 72 HOURS PRIOR TO KITTING AND INSTALLATION.
10. CONFORMAL COAT USING F/N 10.
    -CURE AT 25C, AMBIENT PRESSURE FOR 8 HOURS.
    -REMOVE MASKING AND MASKING RESIDUE PRIOR TO BAKE.
    -VACCUM BAKE AT 65C, 10-4 TORR FOR 24 HOURS.
11. SPOT BOND COMPONENTS WITH F/N 12 AND F/N 29, (ARATHANE, 5753, WITH ALUMINUM POWDER) IAW NASA-STD 8739.1.
12. INSTALL F/N 7 AS REQUIRED FOR FLIGHT PCB ASSY TESTING. UPON COMPLETION OF TESTING, REMOVE TEST POINTS.
13. MARK ASSY S/N USING F/N 14. COVER WITH F/N 13.
14. MOUNT F/N 15 ON U20 USING F/N 13. SOLDER U31, (F/N 5004), AND F/N 16 TO F/N 15 AND TERMINATE WIRES ON U31 PADS ON PWB. SPOTBOND U31 AND F/N 16 TO U20 USING F/N 12.
15. USE SMALL PATTERN MOUNTING HARDWARE. INSURE CLEARANCE OF PWB TRACKS.
16. REMOVE .030" FROM STANDOFFS THAT MOUNT TO THE PWB.
17. D11-D16 POLARITY IS INCORRECLTY MARKED ONTHE BARE PWB. REMOVE SILKSCREEN DIODE SYMBOL AND INSTALL DIODES USING THE MARKING AS SHOWN IN THIS DRAWING.
18. SPACE Q1, Q501-Q504 OFF F/N 1 0.03" - 0.04".
19. INSTALL F/N 30 THRU FB501 AND SOLDER INTO FB1 AND FB2 ON PCB.

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE: ANGLES +/- 1° 3 PLACE DECIMALS +/- .005 2 PLACE DECIMALS +/- .01	NAME / DATE	Massachusetts Institute ofTechnology Center for Space Research CRATER
			DRAWN M. SMITH 10/2005	
			CHECKED	FLIGHT, PWA, DIGITAL BOARD
		MATERIAL / FINISH	APPROVED	
			RELEASED	
NEXT ASSEMBLY	USED ON			SIZE D · FSCM NO. 80230 · DWG NO. 32-10202 · REV A
APPLICATION			CAD FILE	SCALE 1:1 · SHEET 1 OF 2

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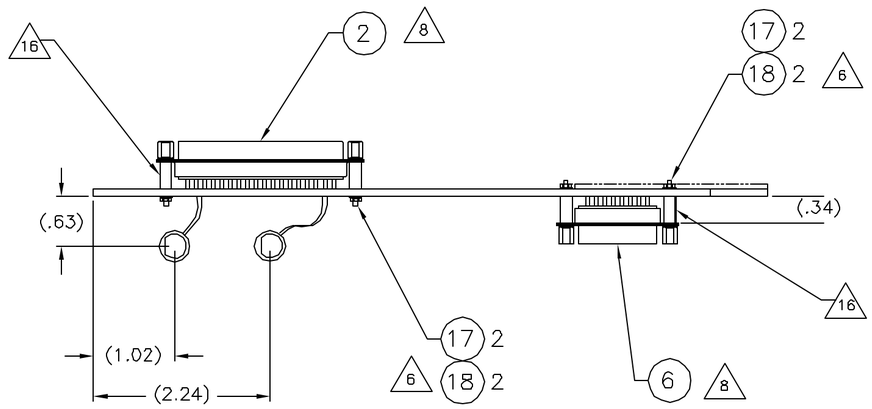

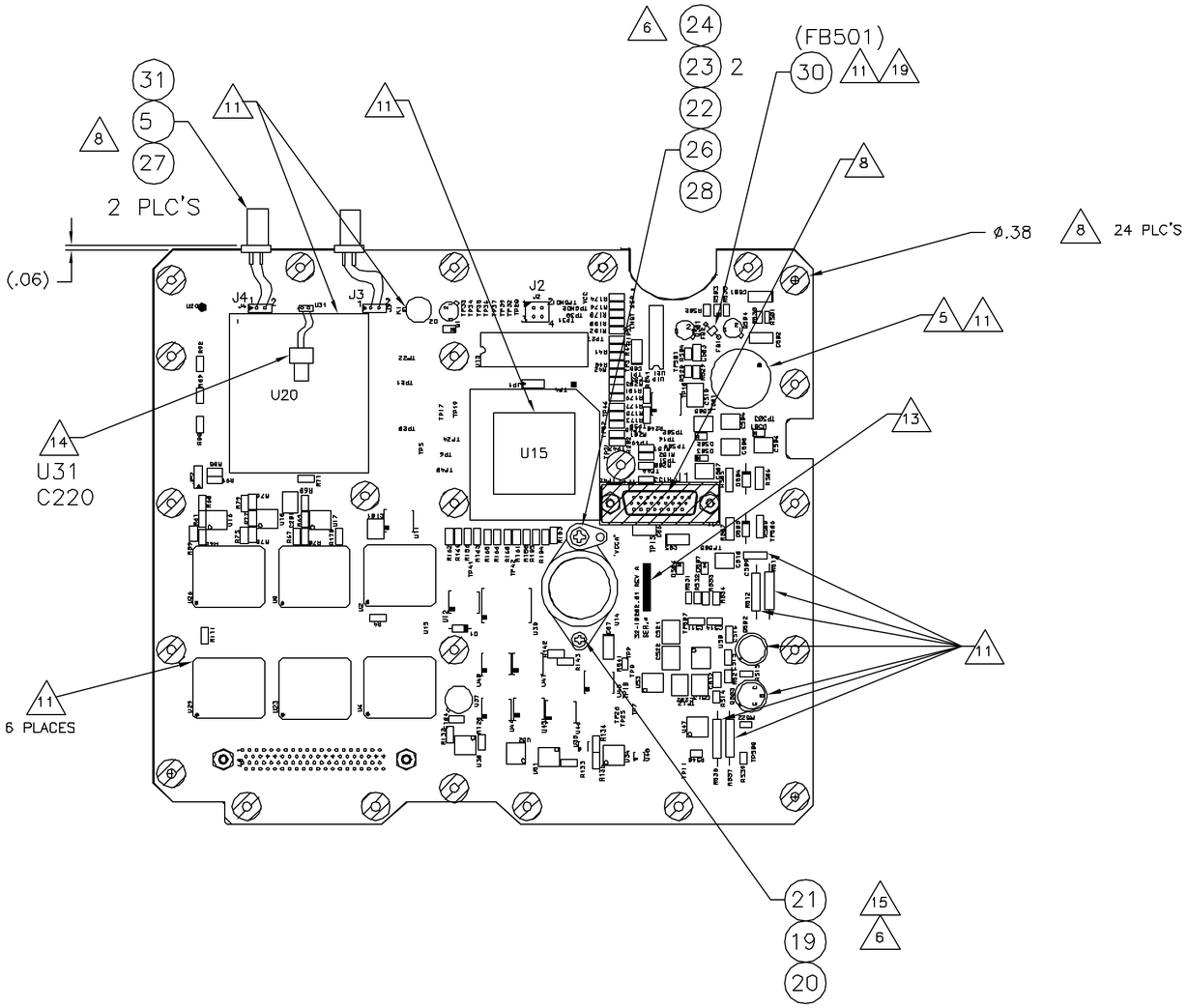

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SIZE D	FSCN NO. 80230	DWG NO. 32-10202	REV A
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