

NOTES: UNLESS OTHERWISE SPECIFIED

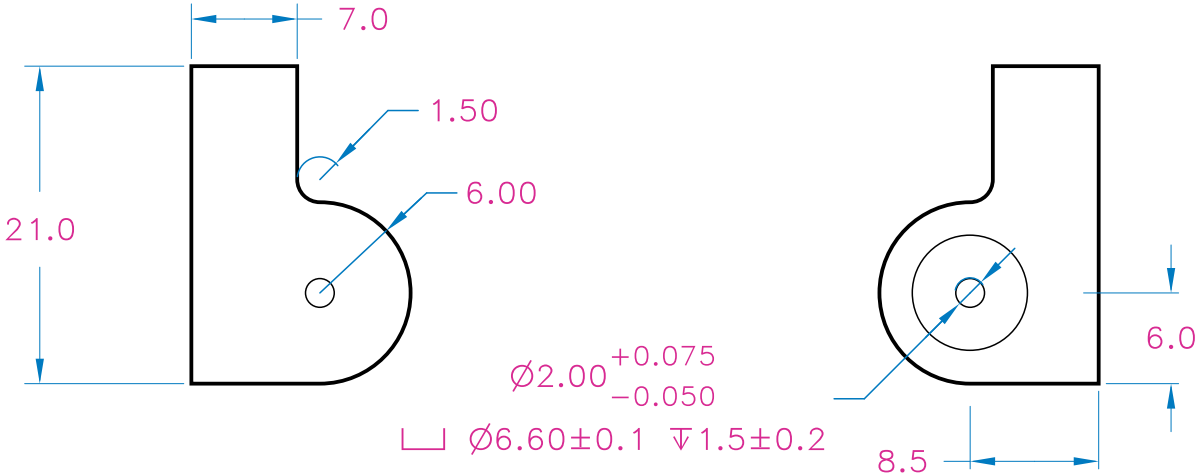
1. THE FINISHED PRINTED WIRING BOARD SHALL MEET THE REQUIREMENTS OF IPC-A-600-X (LATEST REVISION).
2. THIS DOCUMENT AND RELATED ARTWORK ARE COMPUTER GENERATED. ALL MODIFICATIONS ARE TO BE PERFORMED TO THE ORIGINAL DATABASE ON FILE.
3. THIS IS A REDUCED DIMENSION DRAWING. ADDITIONAL DIMENSIONS NEEDED TO DEFINE THE TRUE PROFILES OF THIS PART SHALL BE OBTAINED FROM THE MASTER CAD MODEL DATABASE NAMED 20019312_A.ZIP. DIMENSIONS AND TOLERANCES SHALL BE INTERPRETED PER ASME Y14.5M. ALL DIMENSION ARE IN mm.
4. FABRICATE AND INSPECT PRINTED WIRING BOARD PER IPC-6012D, CLASS 2, TYPE 2.
- 5

MATERIAL: ISOLA 370HR, 35 µm COPPER CLAD, DOUBLE SIDED, 3 mm THICK EPOXY/WOVEN GLASS LAMINATE PER IPC-4101/L 26-3000-C1/C1
- 6

MATERIAL: ISOLA 370HR, 35 µm COPPER CLAD, SINGLE SIDED, 3 mm THICK EPOXY/WOVEN GLASS LAMINATE PER IPC-4101/L 26-3000-C1/O
7. SURFACE FINISH TO BE ELECTROLESS NICKEL / IMMERSION GOLD (ENIG) PLATING PER IPC-4552A. ALL PLATED HOLES AND CONDUCTIVE SURFACES SHALL BE PLATED WITH 25 µm COPPER MINIMUM. ALL Ni/Au PLATED AREAS SHOULD HAVE MINIMUM THICKNESS OF 3 µm FOR Ni AND 0.051 µm FOR Au.
8. ALL HOLES SPECIFIED IN THE DRILL CHART ARE FINISHED HOLE DIAMETERS. HOLE TOLERANCE +/- 0.051 mm FOR NON-PLATED HOLES AND +/- 0.076 mm FOR PLATED HOLES.
9. FABRICATION TOLERANCES: END PRODUCT TRACE WIDTHS AND LANDS SHALL NOT VARY MORE THAN THE SMALLER OF 0.051 mm OR 10% OF THE TRACE WIDTH FROM THE GERBER DATA.
10. SOLDERMASK: PHOTO-IMAGED LIQUID POLYMER, GREEN COLOR, ITEM 4, ON BOTH SIDES OF BOARD IN ACCORDANCE WITH IPC-SM-840, TYPE B, CLASS 2, OVER BARE COPPER.
11. LEGEND OVER SOLDER MASK ON BOTH SIDES OF PWB USING WHITE NON-CONDUCTIVE EPOXY INK, ITEM 4. LEGEND MARKING SHALL NOT BE NEARER THAN 0.127 mm TO ANY PAD. CHARACTER HEIGHT SHALL BE 0.75 mm MINIMUM.
12. BOW AND TWIST: SHALL NOT EXCEED 0.75%
13. CROSS-REFERENCE: TMT M1CS-400-02400, BLOCK CONNECTOR/COAX ADAPTER PCB.

REVISION HISTORY					
REV	DESCRIPTION	CAT	DWN	ENGR	SEE JPL DATA MANAGEMENT SYSTEM FOR APPROVAL SIGNATURES AND DATES
A	----- INITIAL RELEASE -----	II	-	-	

DIMENSIONS (Scale = 2/1)

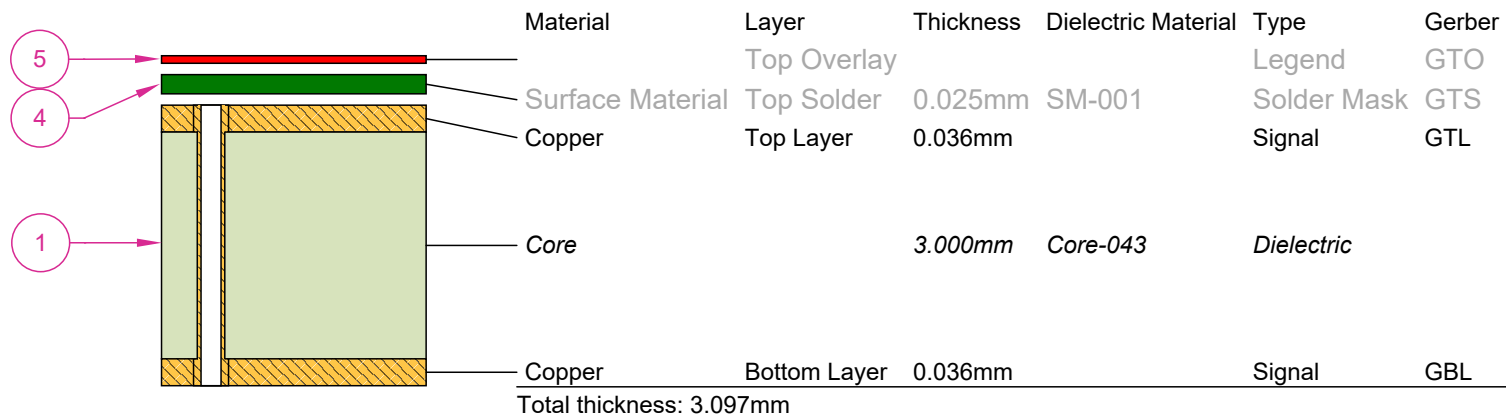


COPYRIGHT 2020 CALIFORNIA INSTITUTE OF TECHNOLOGY.
GOVERNMENT SPONSORSHIP ACKNOWLEDGED.

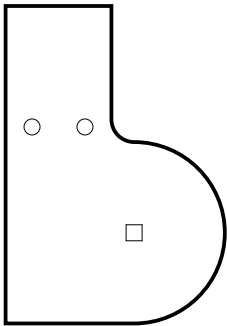
DO NOT SCALE DRAWING
INTERPRET DIMENSIONING AND
TOLERANCING PER ASME Y14.5 2009
INTERPRET DWG PER ASME Y14.100

AR	AR	5			ETHONE 50-100R CATALYST 9	INK, WHITE EPOXY	IPC-4781	10 13	
AR	AR	4			PROBIMER 52 OR TAIYO PSR-4000	SOLDERMASK, LPI	IPC-SM-840 CL A	9	
		3							
AR		2			370HR	GLASS BASE EPOXY RESIN CU CLAD 1 OZ / 0 OZ	IPC-4104/26	6	
	AR	1			370HR	GLASS BASE EPOXY RESIN CU CLAD 1 OZ / 1 OZ	IPC-4104/26	5	
-2	-1	ITEM NO	REFDES	DAI	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	MATERIAL OR NOTE	
QTY REQD									
PARTS LIST									
		CONTRACT NO				JET PROPULSION LABORATORY CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA, CA 91109			
		DWN	D PALMER			TITLE PRINTED WIRING BOARD, EDGE SENSOR BLOCK			
		ENGR	D PALMER						
		SEE JPL DATA MANAGEMENT SYSTEM FOR APPROVAL SIGNATURES AND DATES							
20019313	TMT					SIZE	DAI	DWG NO	REV
NEXT ASSEMBLY	USED ON					B	23835	20019312	A
APPLICATION						SCALE: 2/1		SHEET 1 OF 3	

LAYER STACK LEGEND



DRILL DRAWING VIEW (Scale 2:1)



Drill Table

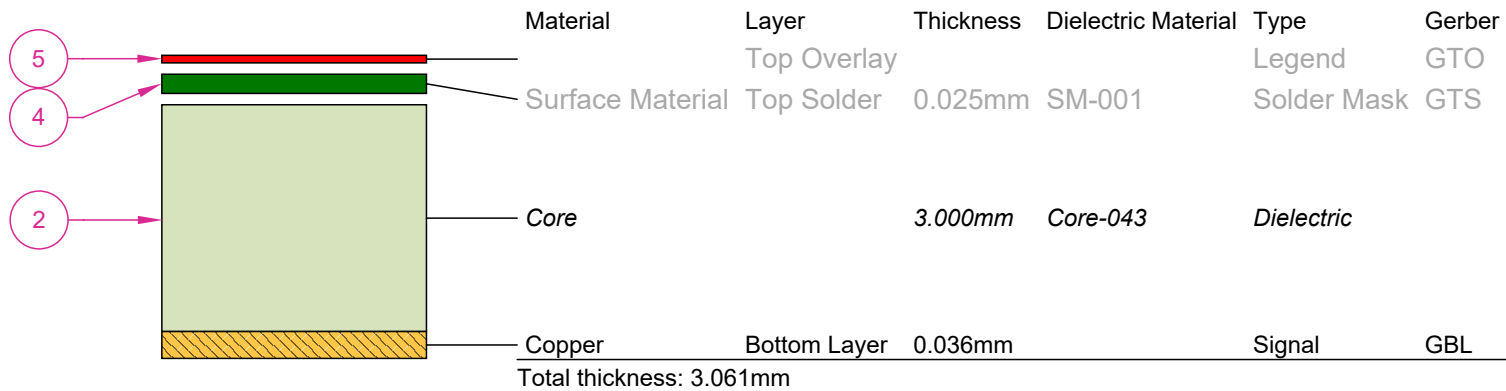
Symbol	Count	Hole Size	Plated	Hole Tolerance
○	2	0.50mm	Plated	None
□	1	2.00mm	Non-Plated	None
	3 Total			

-1 CONFIGURATION

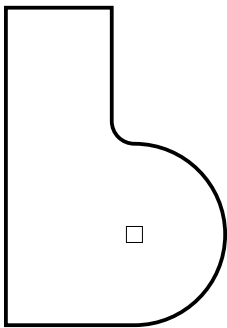
SEE SHEET 1 FOR EXPORT COMPLIANCE STATEMENT AND/OR PROPRIETARY INFORMATION	SIZE B	DAI 23835	DWG NO 20019312	REV A
	SCALE: 2/1		SHEET 2 OF 3	

ALTIUM GENERATED

LAYER STACK LEGEND



DRILL DRAWING VIEW (Scale 2:1)



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
□	1	2.00mm	Non-Plated	None
	1 Total			

-2 CONFIGURATION

SEE SHEET 1 FOR EXPORT COMPLIANCE STATEMENT AND/OR PROPRIETARY INFORMATION	SIZE B	DAI 23835	DWG NO 20019312	REV A
	SCALE: 2/1		SHEET 3 OF 3	

ALTIUM GENERATED