

NOTES: UNLESS OTHERWISE SPECIFIED

1. MANUFACTURE TO MEET THE REQUIREMENTS OF FLUKE STANDARD D1089670, (SMOBC/ENIG). ELECTROLESS NICKEL/IMMERSION GOLD TO BE PER IPC-4552.
2. MATERIAL: MULTILAYER (4-LAYER), SEE STACKUP DETAIL. LAMINATE MATERIAL SHALL BE ISOLA 370HR.
3. APPLY GREEN LPI SOLDER MASK TO BOTH SIDES. SOLDER MASK MUST MEET THE REQUIREMENTS OF IPC-SM-840D CLASS H.
4. APPLY COMPONENT ID SILKSCREEN ON PRIMARY AND SECONDARY SIDES USING PERMANENT NON-CONDUCTIVE WHITE EPOXY INK.
5. FINISHED CONDUCTOR WIDTHS AND SPACING TO BE WITHIN: +/-20% OF THE ORIGINAL DESIGN DATA.
6. INDIVIDUAL PCB'S TO BE ROUTED FREE OF THE PANEL.
7. THIS PCB IS A UL RECOGNIZED COMPONENT, RATED AT 130 DEGREES C AND SHALL HAVE A MINIMUM FLAMABILITY RATING OF (94-V0). PCB FABRICATOR SHALL BE UL APPROVED TO APPLY THE UL MARK (INCLUDING TYPE AND FLAME RATING 94V-0). PCB FABRICATION PROCESS SHALL BE COMPLIANT WITH UL 796, AND LAMINATE AND PRE-PREG MATERIALS SHALL MEET THE REQUIREMENTS OF IPC-4101.

8. ALL MATERIALS USED TO PRODUCE THIS PCB SHALL BE RoHS COMPLIANT TO THE CURRENT EU RoHS DIRECTIVE. SUPPLIER SHALL PROVIDE CERTIFICATE OF COMPLIANCE AND CONSTITUENT MATERIALS UPON REQUEST.
9. THIS PCB AND ITS CONSTITUENT MATERIALS SHALL BE COMPATIBLE WITH LEAD-FREE ASSEMBLY TEMPERATURES, PROCESS AND REWORK CYCLES.
10. THIS IS AN IMPEDANCE CONTROLLED DESIGN. LINE WIDTH AND DIELECTRIC MAY BE ADJUSTED TO MEET SPECIFIED IMPEDANCE TARGETS.
- 10a. SURFACE DIFFERENTIAL PAIRS ARE 100 OHMS +/- 6%. IMPEDANCE LAYERS ARE CKT 1 AND CKT 4. REFERENCE PLANE LAYERS ARE CKT 2 AND CKT 3. CKT 1 AND CKT 4 DIFFERENTIAL PAIR TRACE AND SPACE IS .01125/.00825/.01125.

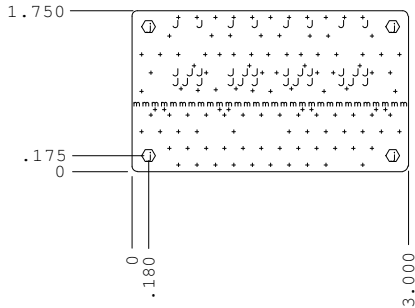
WORKSTATEMENT  
W2190969

DRAWN BY  
BC

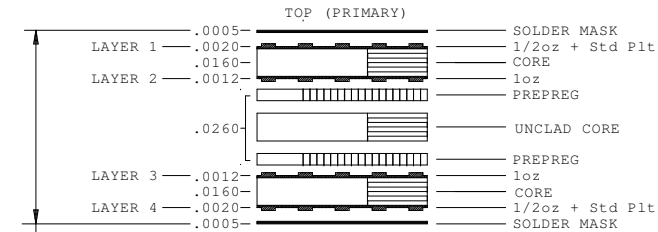
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05DEC2018

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN INCHES				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
+	0.014	+0.003/-0.003	PLATED	113
m	0.032	+0.003/-0.003	PLATED	30
J	0.055	+0.003/-0.003	PLATED	32
Ø	0.141	+0.003/-0.003	PLATED	4

SIZES WITH 2 DIMENSIONS ARE SLOTS. LONG AXIS TOL= +/- .01.



DRILL IDENTIFICATION  
VIEWED FROM TOP (PRIMARY)



.065 +/-10%  
INCL PLTG & MASK

STACKUP DETAIL

NOTE: FOLLOW INDICATED CORE AND PRE-PREG MATERIALS  
PER THE STACK-UP DIAGRAM, WITH NO SUBSTITUIONS ALLOWED.

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	PCB, LC SPE ADAPTOR		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES: .XX =± .02 .XXX =± .010 ANGLES =± 1/2°	PART NO. 5067350	SIZE DWG NO. D MANTIS-3100
SCALE 1:1		REV 002	
		SH 1 OF 1	

Dec 06 16:50:18 2018