

NOTES (UNLESS OTHERWISE SPECIFIED):

GENERAL

- 1) RIGID-FLEX PORTION IS 6 LAYER
- 2) FLEX PORTION IS 4 LAYER 3) NO SOLDER MASK OR OVERLAY LAYERS
- 4) RIGID AND FLEX CIRCUITS WILL BE POLIMIDE

THE PHOTO TOOL SHALL NOT BE COMPENSATED WITHOUT PRIOR ENGINEERING APPROVAL PCB DESIGNER: RICH LOBDILL PH (805) 880—1621 FAX (805) 961—1792.

FABRICATION TOLERANCES

- 6) END PRODUCT CONDUCTOR WIDTHS AND PAD DIAMETERS SHALL NOT VARY MORE THAN
- SHALL PRODUCT CONDUCTOR WITHIS AREA FAD DAWLETES SHALL NOT WART MORE THAN 0,000° FROM THE ST DOMESTORS OF THE MASTER ARTHORK.

 THE CONDUCTINE PATTERN SHALL BE POSTIONED SO THAT THE LOCATION OF ANY PAD OR LAND SHALL BE WITHIN 0,000° DAWLETER TO THE TIME POSTION OF THE HOLE IT CRICLANSCRIBES.

 ALL DRILL HOLE SIZES AND TOLERANCES APPLY AFTER PLATING.

- 9) THE MINIMUM ANNULAR RING SHALL BE 0.005".
 10) BOW AND TWIST SHALL NOT EXCEED 0.010" PER NCH.
 11) FOR PCB ROUTING DIMENSIONS: .XXX = +/-.005" .XXX = +/-.020"
- MATERIAL

- 12) BASE MATERIAL IS FR4 EPOXY FIBERGLASS
 13) SEE STACK-UP LEGEND FOR COPPER CLADDING CALL OUTS

PLATING

- 14) ALL HOLES AND CONDUCTIVE SURFACES SHALL BE PLATED WITH A MINIMUM OF 0.001" COPPER. 15) AFTER SOLDERMASK, ALL GROSDE HOLES AND CONDUCTIVE SURFACES SHALL BE COATED WITH A GOLD MMERSON PLATING TO PRESERVE SOLDERMEUTY.

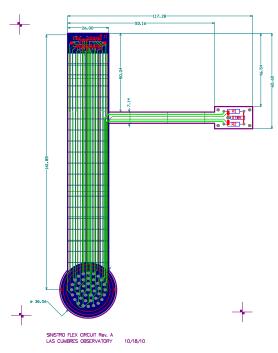
- 16) THE SOLDERMASK SHALL BE BLACK LIQUID PHOTO-MAGEABLE PER IPC-SM-840, TYPE-B, CLASS 2.
- 16) THE SOLDERMASK REGISTRATION ALLOWANCE IS 0.003". THERE SHALL BE NO SOLDERMASK ON ANY SOLDER PAD OR LAND. MARKING

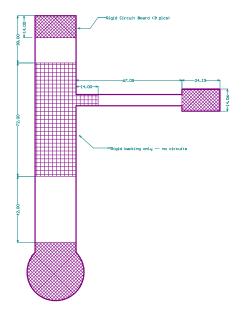
- 18) THE LEGEND SHALL BE SCREEN-PRINTED USING PERMANENT YELLOW EPOXY INK.
 19) THE SCREEN PRINTING REGISTRATION ALLOWANCE IS 0.007". THERE SHALL BE NO INK ON ANY
- SOLDER PAD OR LAND.
- 20) THE VENDOR CODE AND UL FLAMMABLITY RATING MAY BE ETCHED IN THE FOIL OR MARKED IN PERMANENT EPOXY INK (VENDOR'S OPTION).

ELECTRICAL TESTING

21) ALL BOARDS SHALL BE ELECTRICALLY TESTED TO THE SUPPLIED IPC-D-356A NET LIST FOR CONTINUITY, OPENS AND SHORTS.

Layer Stack Up Detail for	: Flex_Circuit.PcbDoc
Layer Name	
Top Layer (*.GTL)	RIGID
Mid-Layer 1 (*.G1)	FLEX
Mid-Layer 2 (*.G2)	FLEX
Mid-Layer 3 (*.G3)	FLEX
Mid-Layer 4 (*.G4)	FLEX
Bottom Layer (*.GBL)	RIGID





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Rich Lobdill

SINISTRO FLEX CIRCUIT

Rich Lobelli 1 : 1

*.GTL - TOP LAYER GERBER DATA

*.G1 - MD LAYER 1 GERBER DATA

*.G2 - MD LAYER 2 GERBER DATA

*.G3 - MD LAYER 3 GERBER DATA

*.G4 - MID LAYER 4 GERBER DATA

*.GBL - BOTTOM LAYER GERBER DATA

PRIMARY PCB SPECIFICATIONS

(REFER TO COMPLETE SPEC LISTING AT LEFT FOR FURTHER DETAILS) NUMBER OF LAYERS -6 FINISHED THICKNESS .062" BASE MATERIAL **POLYIMIDE** - GOLD IMMERSION PLATING TYPE SOLDER MASK COLOR - NO SOLDER MASK

	Comment	Description	Designator	Footprint	Lib Re f	Quantity
FX	(11LA-68P	HIRO SE 68P Heade			FX11LA-68P	1
M	\$3116-20-41		J2	MS-3116 Size 20-41 Male	Cannon round 41 pin	1
		Resistor	R1, R2	AXIAL-0.5	ResTH	2
Rī	D 2-wire, 1x8mm	Pt RTD	RTD5	RTD 1x8mm	RTD 2-wire, 1x8mm	1