## NOTES (UNLESS OTHERWISE SPECIFIED): GENERAL 1) PCB IS 4-LAYER, .062" THCK. 2) CONSTRUCTION IS SOLDER-MASK-OVER-BARE-COPPER (SMOBC). 3) ACCEPTABLITY SHALL BE BASED ON PC-A-600, CLASS 2. 4) THE FOLLOWING GERBER RS274X PHOTO TOOL FILES SHALL BE USED TO DEFINE ALL CIRCUIT FEATURES: \*.GTL - TOP LAYER GERBER DATA \*.GP1- NTERNAL PLANE LAYER 1 GERBER DATA \*.GP2- NTERNAL PLANE LAYER 2 GERBER DATA \*.GBL - BOTTOM LAYER GERBER DATA \*\*GBO = BOTTOM OVERARY GERBER DATA \*\*GBP = BOTTOM SOE SOLDER PASTE MASK \*\*GBS = BOTTOM SOLDER MASK GERBER DATA \*\*GTO = TOP OVERLAY GERBER DATA \*\*GTO = TOP OVERLAY GERBER DATA \*\*GTD = TOP-SDE SOLDER PASTE MASK \*.GTS - TOP SOLDER MASK GERBER DATA 5) 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 FABRICATION TOLERANCES 6) END PRODUCT CONDUCTOR WIDTHS AND PAD DIAMETERS SHALL NOT VARY MORE THAN 1,000° FROM THE 1:1 DIMENSIONS OF THE MASTER ARTWORK. 7) THE CONDUCTIVE PATTERN SHALL BE POSITIONED SO THAT THE LOCATION OF ANY PAD OR LAND SHALL BE WITHIN ODOS" DIAMETER TO THE TIME POSITION OF THE HOLE IT CRCUMSCRBES. 8) ALL DRIL HOLE SYES 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" XX = +/-.020" MATERIAL

14) ALL HOLES AND CONDUCTIVE SURFACES SHALL BE PLATED WITH A MINIMUM OF 0.001" COPPER. 15) AFTER SOLDERMASK, ALL EXPOSIT HOLES AND CONDUCTIVE SURFACES SHALL BE COATED WITH A GOLD MINIERSON PLATING TO PRESENCE SOLDERMABLY.

16) THE SOLDERMASK SHALL BE BLACK LIQUID PHOTO-MAGEABLE PER PC-SM-840, TYPE-B, CLASS 2.

17) THE SOLDERMASK REGISTRATION ALLOWANCE IS 0.003". THERE SHALL BE NO SOLDERMASK ON ANY SOLDER PAD OR LAND.

MARKING.

MARKING

18) THE LEGEND SHALL BE SCREEN-PRINTED USING PERMANENT YELLOW EPOXY NK.

19) THE SCREEN PRINTING REGISTRATION ALLOWANCE IS 0.007". THERE SHALL BE NO INK ON ANY SOLDER PAD OR LAND.

20) THE YENDOR CODE AND UL FLAMMABULTY RATING MAY BE ETCHED IN THE FOL OR MARKED IN PERMANENT EPOXY INK (VENDOR'S OPTION).

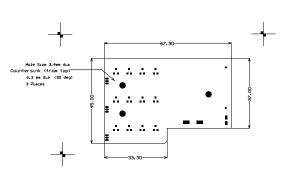
21) ALL BOARDS SHALL BE ELECTRICALLY TESTED TO THE SUPPLED PC-D-356A NET LIST FOR CONTINUTY, OPENS AND SHORTS.

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

COATINGS

MARKING

ELECTRICAL TESTING



175-00019, Proxie Sensor Brd, Sinistro FW, Rev\_2 LAS CUMBRES OBSERVATORY 3/1/2011

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Layer Stack Up Detail for: 175-00019 rev2,
Top Layer (*.GTL)
                       1/2 oz (1 oz. finished)
+5U (*.GP1)
                      1/2 oz
GND (*.GP2)
                      1/2 oz
Bottom Layer (*.GBL)
                      1/2 oz (1 oz. finished)
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PRIMARY PCB SPECIFICATIONS
(REFER TO COMPLETE SPEC LISTING AT LEFT FOR FURTHER DETAILS) NUMBER OF LAYERS -FINISHED THICKNESS -.062" BASE MATERIAL FR4 PLATING TYPE GOLD IMMERSION

SOLDER MASK COLOR -

BLACK

Cumbres Observatory, Inc. 6740 Cortona Dr. Goleta, CA 93117 www.lcogt.net Las Cumbres Observatory Global Telescope Network 3/1/2011 Rich Lobdil 175-00019, Proxie Sensor Brd, Sinistro FW 

NOTICE
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