```
NOTES (UNLESS OTHERWISE SPECIFIED):
GENERAL

1) PCB IS 6-LAYER, .062" THICK.
2) CONSTRUCTION IS SOLIDER-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 - INTERNAL PLANE LAYER 1 GERBER DATA
                              *.GBL — BOTTOM LAYER GERBER DATA

*.GTO — TOP OVERLAY GERBER DATA

*.GTS — TOP SOLDER MASK GERBER DATA

*.GTP — TOP-SDE SOLDER PASTE MASK

*GBB BOTTOM OVERLAY GERBER DATA

*.GBS — BOTTOM SOLDER MASK GERBER DATA

*.GBP — BOTTOM SOLDER MASK GERBER DATA

*.GBP — BOTTOM-SDE SOLDER PASTE MASK
     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

PABRICATION TOLERANCES

6) END PRODUCT CONDUCTOR WIDTHS AND PAD DIAMETERS SHALL NOT VARY MORE THAN 0.002° 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 0.000° DIAMETER TO THE TRUE POSITION OF THE HOLE IT CRCUMSCRIBES.

8) ALL DRILL HOLE SYZES 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: XXXX = +/-.005° XX = +/-.020° MATTERIAL

MATTERIAL

MATTERIAL
       MATERIAL
      12) BASE MATERIAL IS FR4 EPOXY FBERGLASS
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 EXPOSED HOLES AND CONDUCTIVE SURFACES SHALL BE COATED WITH A GOLD IMMERSION PLATING TO PRESERVE SOLDERABUTY.

       COATINGS
       16) THE SOLDERMASK SHALL BE BLACK LIOUD 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 LOCAD SHALL BE SCREIN-PIRNIED 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 FLAMMABILITY RATING MAY BE ETCHED IN THE FOL OR MARKED IN PERMANENT EPOXY INK (VENDOR'S OPTION).
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21) ALL BOARDS SHALL BE ELECTRICALLY TESTED TO THE SUPPLED IPC-D-356A NET LIST FOR CONTINUITY, OPENS AND SHORTS.

ayer Stack Up Detail for: 175-00025,rev1,Extended GPIO Apps Board.PcbDoc

COPPER THICKNESS

1 02

1/2 oz

ELECTRICAL TESTING

Top Layer (*.GTL)

Bottom Layer (GBL)

Internal Plane 1 (*.GP1)

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PRIMARY PCB SPECIFICATIONS
(REFER TO COMPLETE SPEC LISTING AT LEFT FOR FURTHER DETAILS)
NUMBER OF LAYERS — 3
FINISHED THICKNESS — .062" DASE MATERIAL — FR4
PLATING TYPE — GOLD IMMERSION
SOLDER MASK COLOR — BLACK

