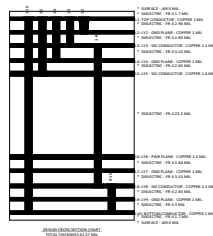
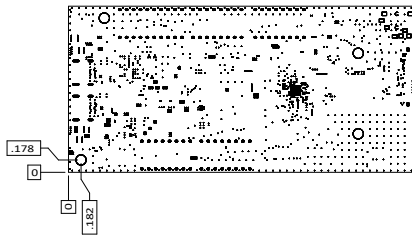


REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
2	AMBRD-0066 APOLLOH EVR CARD	SFEB2021	D.LANZONE

NOTES (UNLESS OTHERWISE SPECIFIED):

1. THE FINISHED PRINTED CIRCUIT BOARD SHALL MEET THE REQUIREMENTS OF IPC-A-602.
2. CONFIGURATION OF THE PRINTED CIRCUIT BOARD NOT SPECIFICALLY DIMENSIONED ON THE DRAWING SHALL BE CONTROLLED BY THE FABRICATOR DATA.
3. MATERIAL: GLASS EPOXY, NATURAL COLOR, LAMINATED NEMA GRADE FR4. SEE LAYER STACKUP FOR COOPER WEIGHT AND LAYER ORIENTATION. CORE AND PREPREG COMBINATIONS ARE OPTIONAL TO THE MANUFACTURER UNLESS OTHERWISE SPECIFIED IN THE LAYER STACKUP.
4. FINISHED PRINTED CIRCUIT BOARD SHALL MEET UL 94V-0 FLAMMABILITY RATING AND BE MARKED WITH THE REQUIRED UL CODE NUMBER.
5. PLATING: ALL HOLES AND CONDUCTIVE SURFACES SHALL BE PLATED WITH .001" COPPER MINIMUM.
6. ALL HOLE DIAMETERS ARE STATED AS FINISHED HOLE SIZES.
7. FABRICATION TOLERANCES: END PRODUCT TRACE WIDTHS AND LANDS SHALL NOT VARY MORE THAN THE SMALLER OF .002" OR 20% OF THE TRACE WIDTH FROM THE GERBER DATA.
8. SOLDER MASK: PHOTO-IMAGED LIQUID POLYMER IN ACCORDANCE WITH IPC-SM-840, TYPE B, CLASS 2, OVER BARE COPPER.
9. COMPONENT MOUNTING: SILKSCREEN ON NON-CONDUCTIVE EPOXY INK. LANDS AND EXPOSED PLATES TO BE PLATED.
10. BOW AND TWIST: SHALL NOT EXCEED .007" PER INCH.
11. FINISHED BOARD SHALL MATCH SUPPLIED IPC-356 NET LIST.
12. 4-MIL AND 8-MIL VIAS ARE ALLOWED TO BE PLATED SHOT OR FILLED WITH SOLDER MASK.
13. PROVIDE A CONTROLLED-IMPEDANCE BOARD, 50 OHM CONTROLLED IMPEDANCE ON A MILL TRACES ON EXTERNAL LAYERS, 3.5 MILL TRACES ON INTERNAL LAYERS, VENDOR MAY ADJUST DIELECTRIC THICKNESS AND/OR CONDUCTOR WIDTHS AS REQUIRED.
14. DIFF PAIR NETS MUST BE FABRICATED WITH 50 OHM DIFF IMPEDANCE: EXTERNAL 4.0 MILL TRACES WITH 6 MIL AIR GAP
15. DIFF PAIR NETS MUST BE FABRICATED WITH 100 OHM DIFF IMPEDANCE: EXTERNAL 3.0 MILL TRACES WITH 6 MIL AIR GAP
16. BOARD THICKNESS = 62 MILS



DRILL CHART: TOP TO LY2 - GND				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
.	4.0	+0.0/-3.0	PLATED	29
DRILL CHART: TOP TO LY3 - SIG				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
.	4.0	+0.0/-3.0	PLATED	56
DRILL CHART: TOP TO LY4 - GND				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
.	4.0	+0.0/-3.0	PLATED	24
DRILL CHART: TOP TO LY5 - SIG				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
.	4.0	+0.0/-3.0	PLATED	36
DRILL CHART: LY3 - SIG TO LY8 - SIG				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
.	8.0	+0.0/-3.0	PLATED	18
DRILL CHART: LY8 - SIG TO BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
.	4.0	+0.0/-3.0	PLATED	13

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	8.0	+3.0/-3.0	PLATED	1262
*	35.0	+3.0/-3.0	PLATED	84
*	40.0	+3.0/-3.0	PLATED	3
□	64.0	+3.0/-3.0	PLATED	8
○	150.0	+3.0/-3.0	PLATED	4
*	39.0	+3.0/-3.0	NON-PLATED	3
*	40.0	+3.0/-3.0	NON-PLATED	2
c	47.0	+2.0/-2.0	NON-PLATED	2
—	63.0x23.6	+2.0/-2.0	PLATED	4
—	82.7x23.6	+2.0/-2.0	PLATED	4

BOARD PARAMETERS					
LAYER COUNT:	10	X DIMENSION:	5.00"	Y DIMENSION:	2.40"
ARRAY:	NO	TAB ROUT:	NO	SCORING:	YES
MATERIAL TYPE:	FR4	FINISH THICKNESS:	0.063"	FINISH PLATING:	ENIG
GOLD FINGERS:	NO	COPPER WT (OUTER):	1.0 OZ	COPPER WEIGHT (INNER):	0.5 OZ
MIN TRACE/SPACE:	0.003"	SOLDERMASK:	BOTH	SOLDERMASK COLOR:	GREEN
SMALLEST HOLE SIZE:	0.004"	SILKSCREEN:	BOTH	SILKSCREEN COLOR:	WHITE
TOP SMD PADS:	YES	BOTTOM SMD PADS:	NO	MIN PITCH:	0.01378"
PLATED SLOTS:	NO	PLATED EDGES:	NO	CONTROLLED DIELECTRIC:	NO
COUNTER BORE:	NO	COUNTERSINKS:	NO	CONTROLLED IMPEDANCE:	YES, DIFF EXTERNAL
ITAR:	NO	VIA IN PAD:	YES	NON-PLATED HOLES:	YES

[illegible]