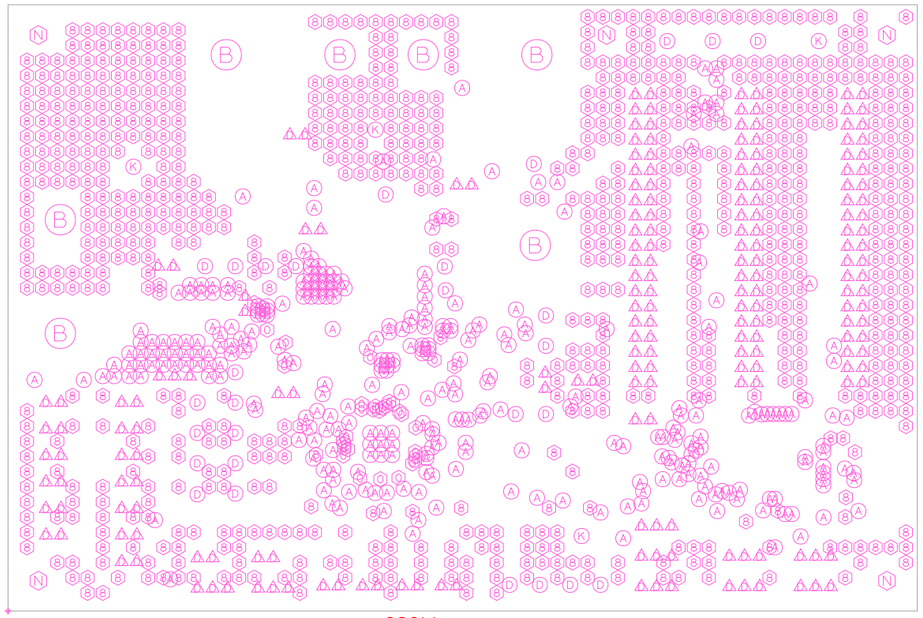
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

6 LAYER PHYSICAL BOARD DIMENSIONS

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
⓪	8.0	PLATED	30
⑧	8.0	PLATED	754
Ⓐ	10.0	PLATED	307
Ⓓ	40.0	PLATED	28
△	41.0	PLATED	206
Ⓚ	100.0	PLATED	4
Ⓑ	215.0	PLATED	7
Ⓝ	128.0	NON-PLATED	5



NOTES:

1. THIS BOARD IS RoHS COMPLIANT.
2. PRINTED WIRING BOARD DESIGN AND ACCEPTANCE CRITERIA SHALL BE IAW WITH THE REQUIREMENTS OF IPC-D-275 AND IPC-A-600.
3. MATERIAL: FR4 TG 170 (RoHS COMPLIANT), 1 OZ COPPER.
4. APPLY SOLDER MASK, BOTH SIDES OVER BARE COPPER IAW IPC-SM-840. CLASS 2 (LPI) (BLUE MASK).
5. ALL PATTERNS ARE VIEWED FROM THE PRIMARY SIDE LOOKING THROUGH THE BOARD.
6. UNLESS OTHERWISE SPECIFIED ALL HOLE DIAMETERS ARE AFTER PLATING.
7. APPLY SILKSCREEN USING WHITE NON-CONDUCTIVE EPOXY BASED INK.
8. PWB MUST BE 100% ELECTRICALLY TESTED FOR SHORTS AND CONTINUITY. USE NETLIST PROVIDED IPC356.IPC
9. MARK DATE CODE AND MANUFACTURES IDENIFICATION ON SOLDER SIDE PER IPC-6011 AND IPC-6012.
10. TOLERANCE ON ALL DRILL HOLES SHALL BE IAW IPC-D-2221 & 2222 UNLESS OTHERWISE SPECIFIED.
11. ALL 8 & 10 MIL VIAS IN SMD PADS ARE TO BE NON-CONDUCTIVE EPOXY FILLED AND CAPPED.
12. ALL VIAS TO BE TENTED. NO EXPOSED COPPER PADS ON ANY VIAS TOP OR BOTTOM EXCEPT VIAS IN SMT PADS.

DASH NO | NEXT ASSY
APPLICATION

PART TO BE FREE OF BURRS AND SHARP EDGES
COMMERCIAL TOLERANCES APPLY TO STOCK SIZES
MANUFACTURING TOLERANCES PER 900002
WORKMANSHIP PER 900060
SCREW THREADS PER ANSI Y14.6
ABBREVIATIONS PER MIL-STD-12
LOGIC SYMBOLS PER IEEE STD 91
DIMENSIONING AND TOLERANCING PER ANSI Y14.5
ELECTRICAL AND ELECTRONIC DIAGRAM PER ANSI Y14.15
GRAPHIC SYMBOLS FOR ELECTRICAL AND ELECTRONIC DIAGRAM PER IEEE STD 315
ELECTRICAL AND ELECTRONIC REFERENCE DESIGNATIONS PER IEEE STD 200
WELDING SYMBOLS PER ANSI/AWS A2.4
INTERPRET DRAWING IAW DOD-STD-100

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES AND INCLUDE APPLIED FINISH TOLERANCES
2 PLACE DIM. ± .xx
3 PLACE DIM. ± .xxx
ANGLES ± xx°

CONTRACT NO.	
DWN BY 5/11/2021 Scott Connolly	CHK BY
ENGR	ELEC ENGR
PROJ ENGR	MFG ENGR
RELIABILITY	CONFIGURATION
APPROVAL- DFTG	QA
APPROVAL	SYS ENGR

PRINTED WIRING BOARD, EVAL-
RTKA271084DE0000BU

SIZE	DWG NO.	REV
D	RTKA271084DE0000BU	C

SCALE 2/1 SHEET 1 OF 1