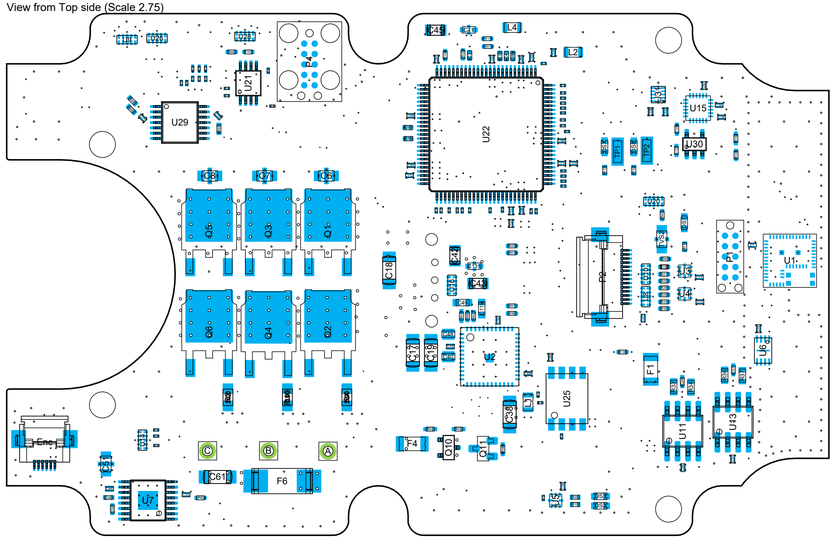
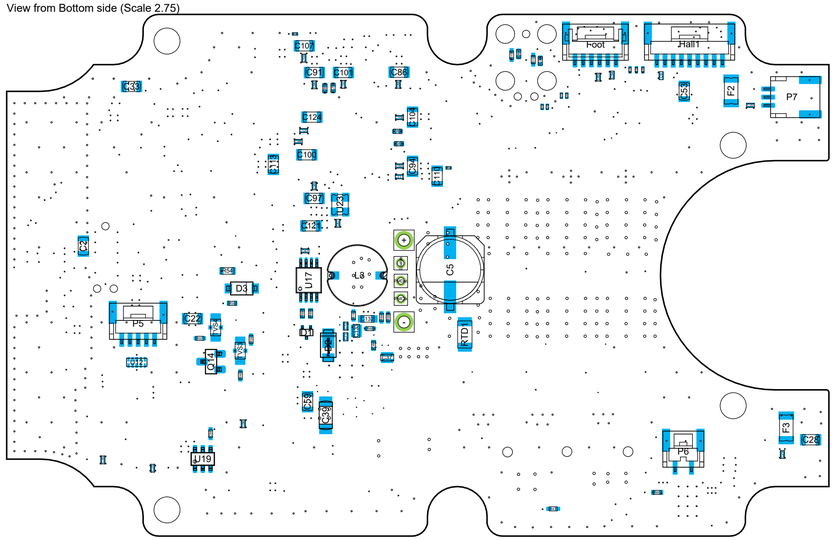
View from Top side (Scale 2.75)



View from Bottom side (Scale 2.75)



Bill Of Materials

Notes:

1. MANUFACTURING QUALITY STANDARDS: Manufacture and post process inspection is to be in accordance with IPC-A-610 (Current Revision) to Class 2
2. REGULATORY COMPLIANCE: Fabricate to meet RoHS Directive 2011/65/EU
3. ASSEMBLY CONCERNS: All X2Y style (MLCC w/ contacts at both ends & in center) components should be inspected carefully post reflow for hidden shorts. There can be a tendency for these components to rotate during reflow under certain conditions – and this manifests as shorts between the center and end contacts. The board's solder mask has been designed to reduce this tendency, but very close inspection is required to identify the presence of such defects.
4. LABELING: Completed assemblies are to be serialized such that each (of a given part number and revision) will be uniquely identifiable regardless of time and date of manufacture. Serial number format is at the manufacturer's discretion. The serial number, lot number and revision are to be included on a label applied to the BOTTOM side of the PCB. The label is to be positioned such that it does not overlay programming land patterns P1 & P4; otherwise placement is at the discretion of the manufacturer.
5. MANUFACTURING REFERENCE: A 3D PDF generated from a model of this assembly has been included in this file archive as a visual aid for assembly of the electronic components to the board. Not all parts are fully modeled, but otherwise the PDF is essentially accurate as a non-quantitative representation of the intended result of the solder assembly process
6. CONFORMAL COAT: Post solder assembly/inspection, this assembly requires an acrylic conformal coat application for thorough protection against fine conductive debris and moisture in the end application. Use of HumiSeal® products is preferred; the customer is to be contacted if use of a different coating product-line is being considered. See the "redline" diagrams in the manufacturing file package for identification of mask-off areas as well as areas requiring pre-treatment with Acrylic Gel. Due to the tendency for acrylic coating thinned for spraying to wick between header terminations and the plastic body of the header, pretreatment of external header terminations where they enter the plastic body of the header is required to prevent contamination of internal header contacts during the spray coating process. Once the spray coat has cured, all masking materials are to be thoroughly removed from the finished assemblies.
7. SOURCING: Electronic components not explicitly listed as customer supplied on the BOM must be sourced either directly from the manufacturer or from a manufacturer franchised distributor.
8. **See document ABC for BOM**

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES			
		TOLERANCES:			
		FRACTIONAL±	CHECKED		
		ANGULAR: MACH± BEND ±	ENG APPR.		
		TWO PLACE DECIMAL ±	MFG APPR.		
		THREE PLACE DECIMAL ±	Q.A.		
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:		
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE

SIZE	DWG. NO.	
	2	
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1