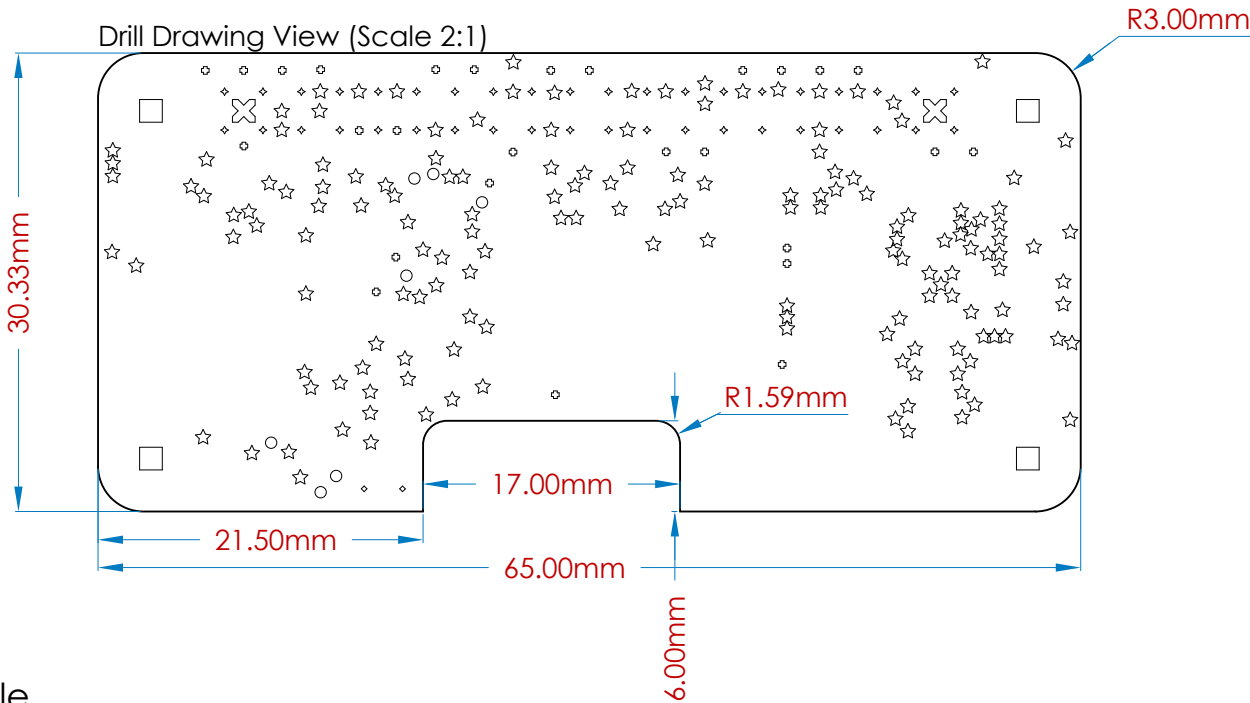


NOTES

1. TOLERANCES: TRACES - ±20% OR 0.05mm, WHICHEVER IS LESS  
SMD PAD - ±20% OR 0.05mm, WHICHEVER IS LESS
2. MATERIAL DIMENSIONS AND FINISHED BOARD THICKNESS, OVER SOLDERMASK, AS SHOWN IN LAYER STACK LEGEND, TOLERANCE ±10%
3. THE FOLLOWING LAMINATE MATERIALS ARE APPROVED: FR4 or similar
4. PCB TO BE MANUFACTURED IN ACCORDANCE WITH IPC-6011 & IPC-6012 CLASS2, ACCEPTANCE PER IPC-A-600 CLASS 2, ALL LATEST REVISIONS.
5. BOW AND TWIST NOT TO EXCEED 0.7%.
6. OUTER LAYERS 1/2 OZ. COPPER PLUS COPPER PLATING, TOTAL NOMINAL THICKNESS AS SPECIFIED IN LAYER STACK DRAWING.
7. TO AID IN MANUFACTURABILITY, VENDOR MAY ADD TEAR DROPS TO PADS.
8. THIEVING PATTERNS MAY BE ADDED TO COPPER ON BREAKAWAY PORTIONS OF THE PANEL.
9. SOLDERMASK BOTH SIDES: LASER IMAGED OR LPI, GREEN, PER IPC-SM-840 LATEST REVISION.
10. SURFACE FINISH SHALL BE LEAD FREE HASL
11. SILKSCREEN COLOR, WHITE, BOTH SIDES.
12. SILKSCREEN REFERENCE DESIGNATORS AND COMPONENT OUTLINES SUPPLIED IN THE .GTO AND .GBO FILES ARE NOT CRITICAL AND IT IS ACCEPTABLE FOR THEM TO BE MILLED OFF OR BECOME ILLEGIBLE. IN SITUATIONS WHERE THEIR PRESENCE MIGHT LEAD TO SOLDER JOINT PROBLEMS, PERMISSION IS GRANTED TO PCB FABRICATOR TO ALTER THOSE SECTIONS OF SILKSCREEN TO ELIMINATE POTENTIAL PROBLEMS.
13. SOLDERMASK SWELL AROUND PADS MAY BE ADJUSTED TO IMPROVE MANUFACTURABILITY, ESPECIALLY AROUND FINE PITCH SMT PADS.

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.020mm	Solder Resist	Solder Mask	GTS
Copper	Top	0.035mm		Signal	GTL
Core		1.475mm	106 + 1080	Dielectric	
Copper	Bottom	0.035mm		Signal	GBL
Surface Material	Bottom Solder	0.020mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.585mm					



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
☆	160	0.381	Plated	None
◊	27	0.400	Plated	None
○	7	0.500	Plated	None
◇	40	0.970	Non-Plated	None
◊	2	1.020	Plated	None
⊗	2	1.780	Non-Plated	None
□	4	2.750	Non-Plated	None
242 Total				

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			NAME	DATE	Morewood Design Labs, Inc		
			DRAWN		TITLE  Walrus Fabrication Notes		
			CHECKED				
			ENG APPR.				
			MFG APPR.				
			Q.A.		COMMENTS:		
					SIZE	DWG. NO. N/A	REV. 1
					SCALE:	WEIGHT:	SHEET 1 OF 1