

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape	Template	Description	Hole Tolerance (+)	Hole Tolerance (-)	Hole Length	Routed Path Length
□	4	133.86mil (3.400mm)	NPTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c0hn340				-	-
⌘	12	11.81mil (0.300mm)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	v60h30	Signal via 0.3 mm, 0.6mm			-	-
☆	25	39.37mil (1.000mm)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)				-	-
○	73	15.75mil (0.400mm)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	(Mixed)				-	-
	114 Total												

Layer	Name	Material	Thickness	Constant	Gerber	Board Layer Stack
	Top Overlay				GTO	
	Top Solder	SM-001	0.025mm	4	GTS	
	Top Surface Finish	PbSn	0.020mm			
1	Top Layer	CF-004	0.035mm		GTL	
	Dielectric 1	Core-043	1.499mm	4.3		
2	Bottom Layer	CF-004	0.035mm		GBL	
	Bottom Surface Finish	PbSn	0.020mm			
	Bottom Solder	SM-001	0.025mm	4	GBS	
	Bottom Overlay				GBO	

Total board thickness: 1.659mm

Client Name: Blues Wireless  
Project Name: Mobile Tracker Hat

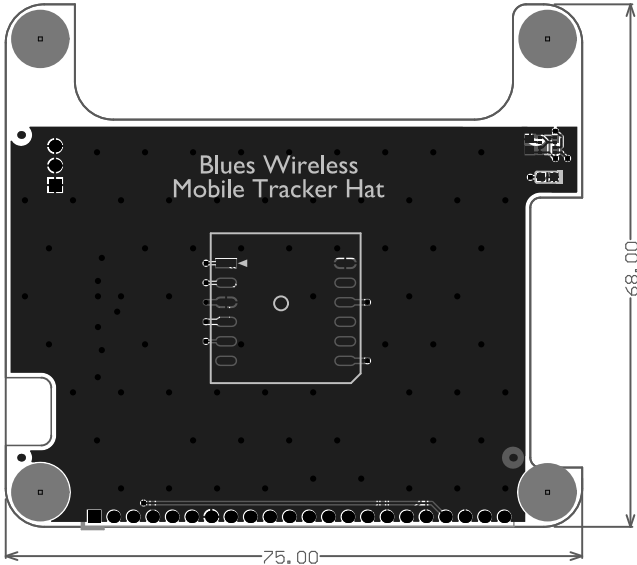
File: Mobile Tracker Hat.PcbDoc  
Rev: v6

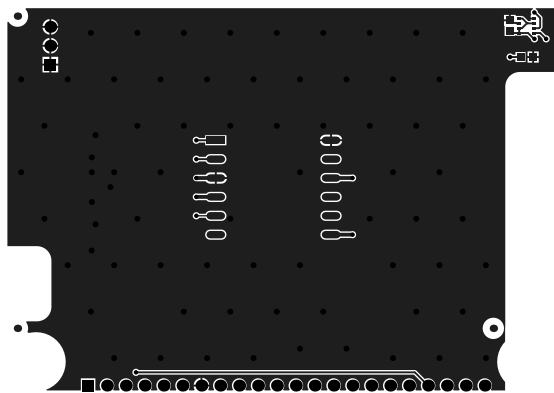
- NOTES:**  
**UNLESS OTHERWISE SPECIFIED:**
- Board Dimension: 75.00 mm x 68.00 mm
  - Total Thickness: 1.6 mm +/- 10%
  - Board Material: FR-4, Tg130+
  - Copper Layers: 2, Weight: 1 oz
  - Soldermask Layers: Both, Color: Green (LPI preferred)
  - Legend Layers: Both, Color: White. (LPI preferred)
  - Finish: ENIG
  - Fabricate PCB According to IPC-6012 Class 2
  - 1.5 mm (0.06") maximum radius on any inside corner.

**SPECIAL REQUIREMENTS:**

- VENDOR NOTES:**
- Route board shape and any cut outs per Board Outline layer.
  - Place Manufacturer Mark and Date Code on bottom
  - Boards must pass visual inspection per IPC-A-600 Class 2

Engineering Contact: joseph@toybuilderlabs.com

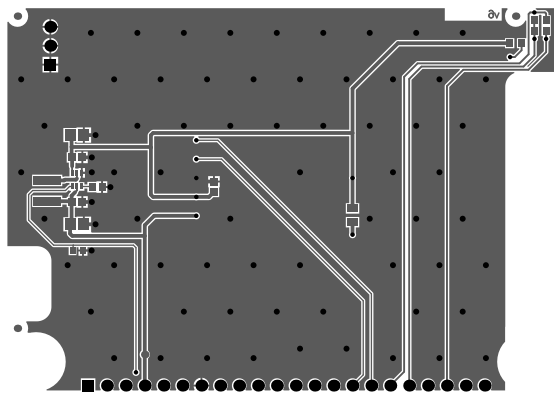




'Top Layer'  
'Top Layer'







'Bottom Layer'  
'Bottom Layer'

Blues Wireless  
Mobile Tracker Hat





Copyright © 2021 Blues Wireless

...

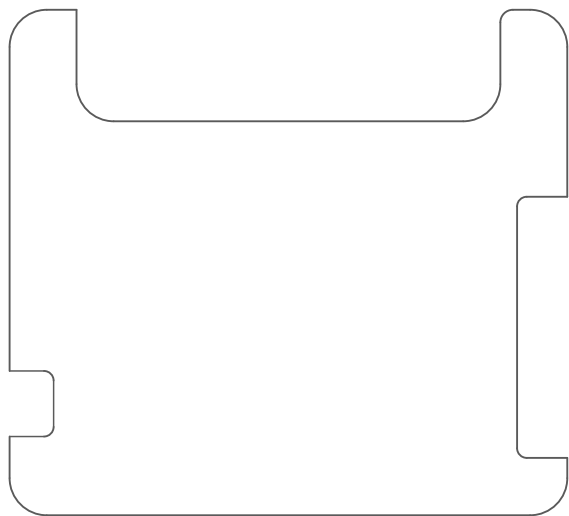


..



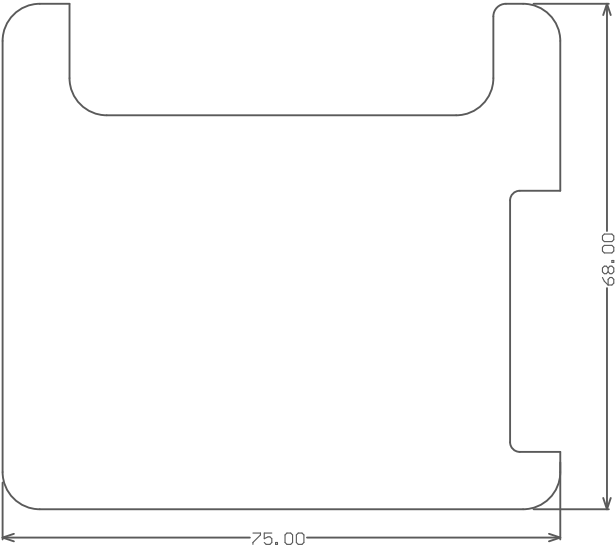
'Bottom Silkscreen Overlay'  
'Bottom Silkscreen Overlay'





'Board Outline'  
'Board Outline'





Layer	Name	Material	Thickness	Constant	Gerber	Board Layer Stack
	Top Overlay				GTO	
	Top Solder	SM-001	0.025mm	4	GTS	
	Top Surface Finish	PbSn	0.020mm			
1	Top Layer	CF-004	0.035mm		GTL	
	Dielectric 1	Core-043	1.499mm	4.3		
2	Bottom Layer	CF-004	0.035mm		GBL	
	Bottom Surface Finish	PbSn	0.020mm			
	Bottom Solder	SM-001	0.025mm	4	GBS	
	Bottom Overlay				GBO	
Total board thickness:			1.659mm			

Client Name: Blues Wireless  
Project Name: Mobile Tracker Hat

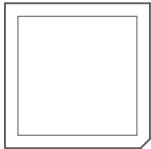
File: Mobile Tracker Hat.PcbDoc  
Rev: v6

- NOTES:**  
**UNLESS OTHERWISE SPECIFIED:**
- 1. Board Dimension: 75.00 mm x 68.00 mm
  - 2. Total Thickness: 1.6 mm +/- 10%
  - 3. Board Material: FR-4, Tg130+
  - 4. Copper Layers: 2, Weight: 1 oz
  - 5. Soldermask Layers: Both, Color: Green (LPI preferred)
  - 6. Legend Layers: Both, Color: White. (LPI preferred)
  - 7. Finish: ENIG
  - 8. Fabricate PCB According to IPC-6012 Class 2
  - 9. 1.5 mm (0.06") maximum radius on any inside corner.

**SPECIAL REQUIREMENTS:**

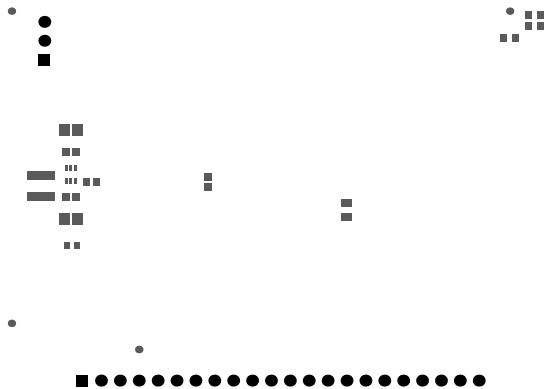
- VENDOR NOTES:**
- 10. Route board shape and any cut outs per Board Outline layer.
  - 11. Place Manufacturer Mark and Date Code on bottom
  - 12. Boards must pass visual inspection per IPC-A-600 Class 2

Engineering Contact: joseph@toybuilderlabs.com





'Top Pad Master'  
'Top Pad Master'



'Bottom Pad Master'  
'Bottom Pad Master'

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape	Template	Description	Hole Tolerance (+)	Hole Tolerance (-)	Hole Length	Routed Path Length
□	4	133.86mil (3.400mm)	NPTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c0hn340				-	-
⊠	12	11.81mil (0.300mm)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	v60h30	Signal via 0.3 mm, 0.6mm			-	-
☆	25	39.37mil (1.000mm)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)				-	-
○	73	15.75mil (0.400mm)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	(Mixed)	(Mixed)			-	-
	114 Total												

