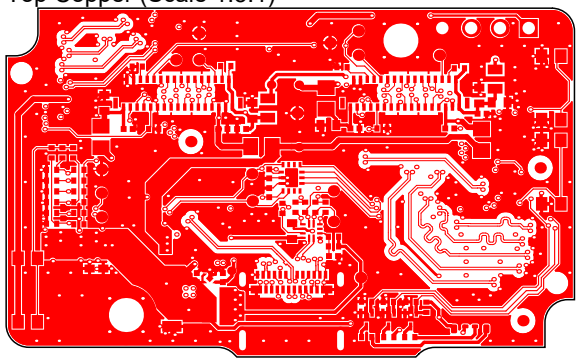
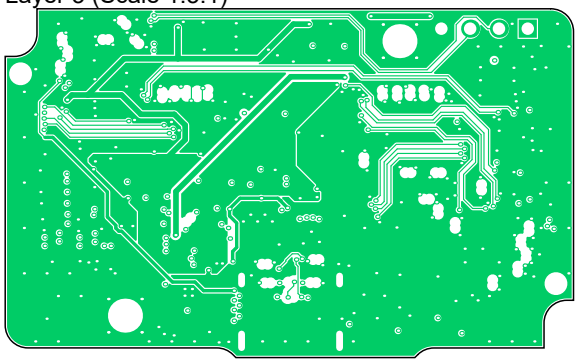
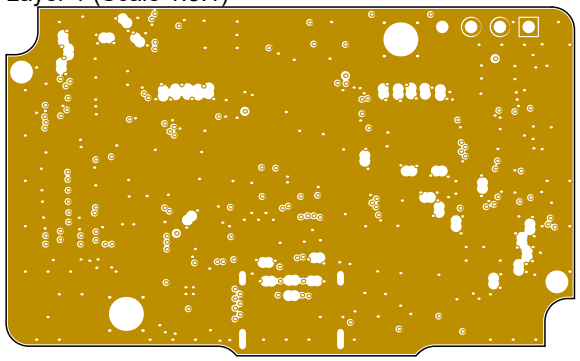
Top Copper (Scale 1.5:1)



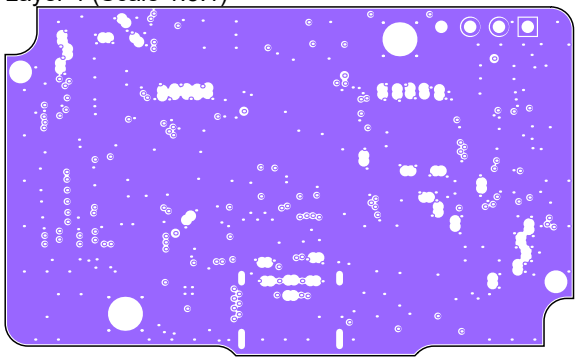
Layer 3 (Scale 1.5:1)



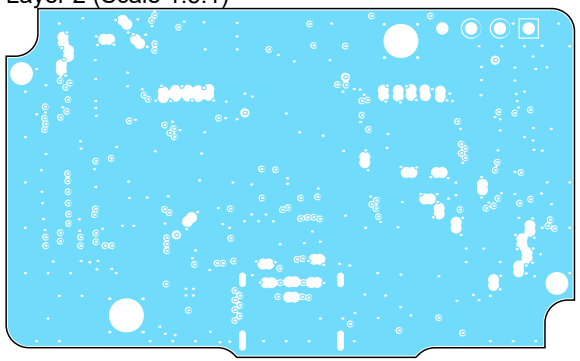
Layer 1 (Scale 1.5:1)



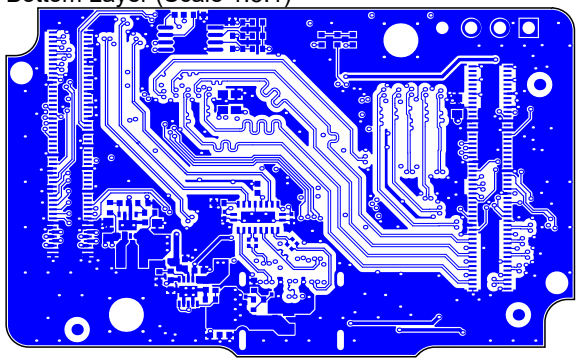
Layer 4 (Scale 1.5:1)



Layer 2 (Scale 1.5:1)



Bottom Layer (Scale 1.5:1)



FABRICATION NOTES:

Fabricate per IPC-6011 & IPC-6012 CLASS 2
Inspect per IPC-A-600 CLASS 2
Test per IPC-TM-650

*** PCB has 6 copper layers**
*** Copper thicknesses are finished and include base foil plus Cu plating on plated layers.**
*** PCB thickness: please refer to the Layer Stack Legend**
*** Min. trace width/clearance: 0.1mm/0.1mm**
*** Min. hole drill/ring: 8mil/16mil**
*** Soldermask gang relief is allowed for pads in same footprint, if footprint is NSMD.**
*** Silkscreen, non-conductive epoxy ink, color: white**
*** Solder mask color: black**
*** Remove slikscreen as needed to prevent ink on any exposed copper**
*** Surface finish: ENIG**
*** Hole dimensions are finished size, +/-3mil**
*** Linear board dimension tolerance: +/-10mil**
*** Bow, twist, warp not to exceed 0.75% of greatest diagonal span**
*** PCB shall be UL Recognized printed wiring board (ZPMV2), minimum flammability rating 94V-0**
*** PCB shall be marked with fabricator company or trade name, UL mark, and date code using legend ink on secondary side**
*** All PCBs shall be electrically tested for opens and shorts per gerber. Test marking shall be marked on secondard side.**
*** GM1 shall be used as PCB outline GKO can be ignnored.**

Fabricator shall panelize the PCB using mouse bites and tab routing. V-scoring not allowed.

Controlled impedance differential pairs shall be within +/-10% for 100ohm targets, and +/-10% for 90ohm targets. See Sheet 3 for transmission line details and location of 90ohm differential pairs.

Title: ***DM2080***	LUXonis
Number: D0001093 Revision: R1M1 E1	
Date: 24. 11. 2022 Sheet: 1 of 3	PROPRIETARY AND CONFIDENTIAL
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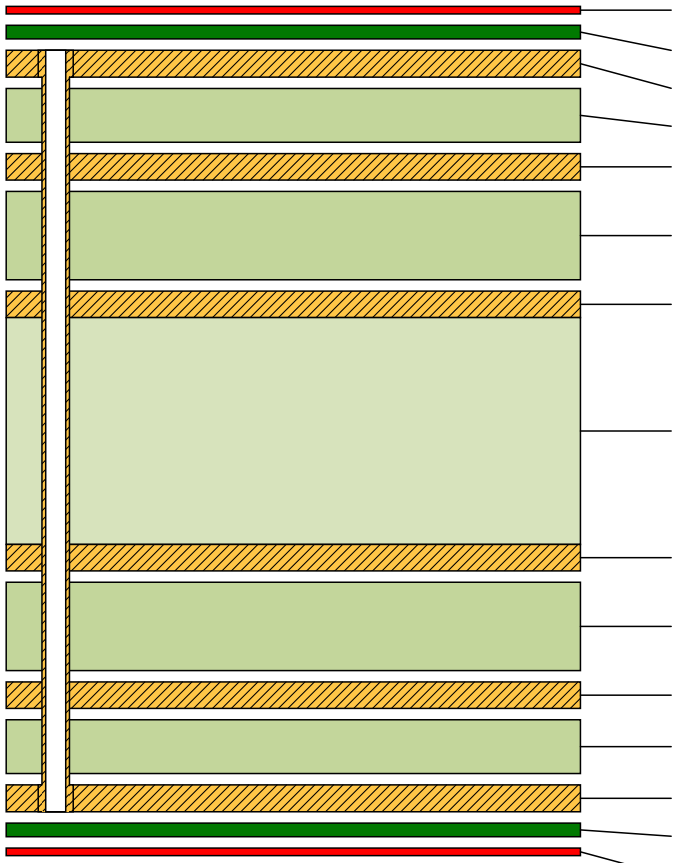
Layer Stack Legend



Layer	Thickness	Type	Gerber	Df	Dk
Top Overlay		Legend	GTO		
Top Mask	0.71mil(0.018mm)	Solder Mask	GTS		4,2
Top Copper	1.40mil(0.036mm)	Signal	GTL		
	2.80mil(0.071mm)	*Dielectric*		*0,018*	*3,8*
Layer 1	1.38mil(0.035mm)	Signal	G1		
	4.60mil(0.117mm)	*Dielectric*		*0,017*	*4,1*
Layer 2	1.38mil(0.035mm)	Signal	G2		
	39.00mil(0.991mm)	*Dielectric*		*0,02*	*4,6*
Layer 3	1.38mil(0.035mm)	Signal	G3		
	4.60mil(0.117mm)	*Dielectric*		*0,017*	*4,1*
Layer 4	1.38mil(0.035mm)	Signal	G4		
	2.80mil(0.071mm)	*Dielectric*		*0,018*	*3,8*
Bottom Layer	1.40mil(0.036mm)	Signal	GBL		
Bottom Solder	0.71mil(0.018mm)	Solder Mask	GBS		4,2
Bottom Overlay		Legend	GBO		

Total thickness: 63.53mil(1.614mm)

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
⊠	471	8.00mil(0.203mm)	Plated	
○	4	23.62mil(0.600mm)	Plated	
□	4	43.31mil(1.100mm)	Plated	
⌖	2	70.87mil(1.800mm)	Non-Plated	
◇	2	118.11mil(3.000mm)	Plated	
	483 Total			

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Number: D0001093 Revision: R1M1 E1	
Date: 24. 11. 2022 Sheet: 2 of 3	PROPRIETARY AND CONFIDENTIAL
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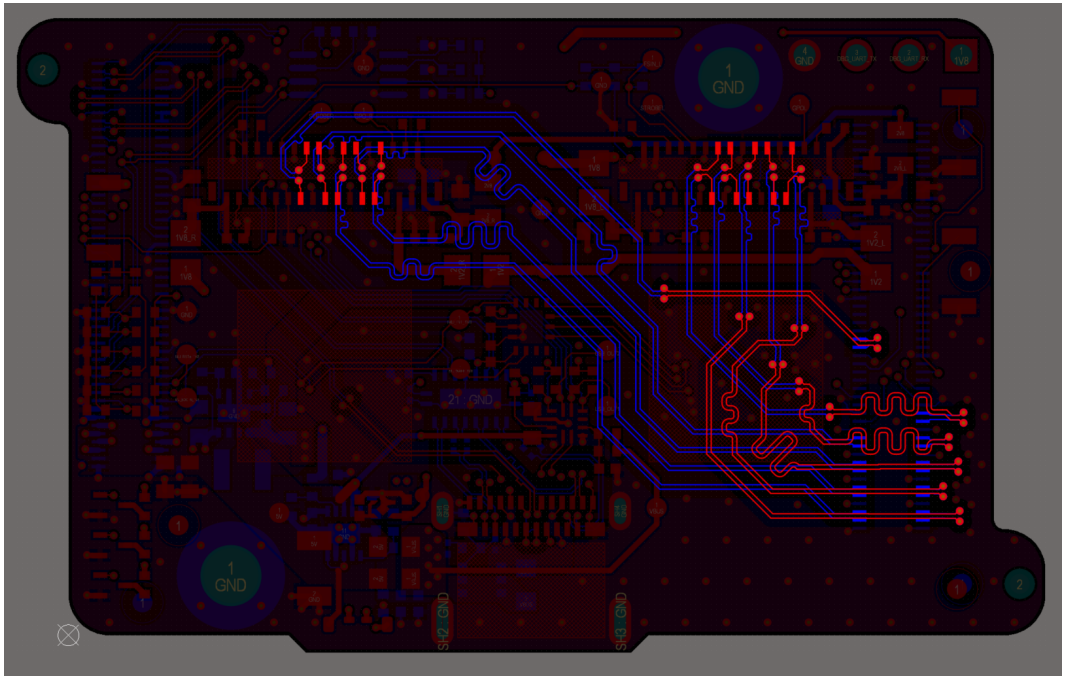
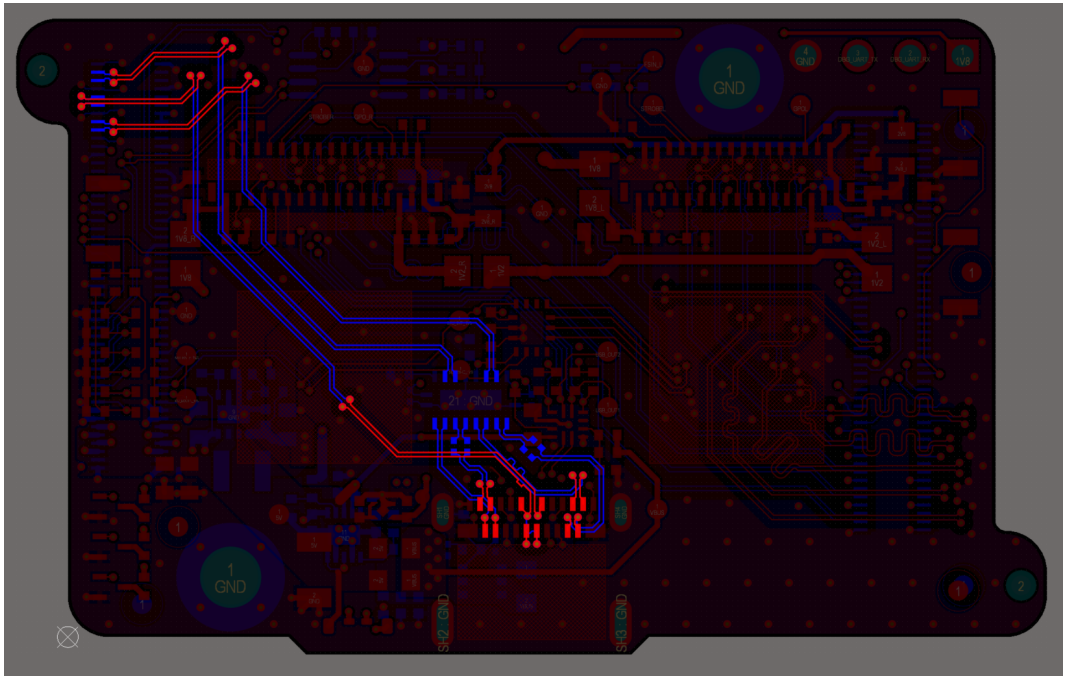
100 OHM (+/-10%) DIFF PAIRS



90 OHM (+/-10%) DIFF PAIRS



Transmission Line Structure Table

Target Impedance	Trace layer	Lower Trace Width	Upper Trace Width	Gap	Reference layers
100	Top Copper	3.5mil(0.089mm)	2.7mil(0.068mm)	5.0mil(0.127mm)	Layer 1
90	Top Copper	4.0mil(0.102mm)	3.2mil(0.081mm)	4.0mil(0.102mm)	Layer 1
100	Bottom Layer	3.5mil(0.089mm)	2.7mil(0.068mm)	5.0mil(0.127mm)	Layer 4
90	Bottom Layer	4.0mil(0.102mm)	3.2mil(0.081mm)	4.0mil(0.102mm)	Layer 4

Title: ***DM2080***	LUXonjs
Number: D0001093 Revision: R1M1 E1	
Date: 24. 11. 2022 Sheet: 3 of 3	PROPRIETARY AND CONFIDENTIAL
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