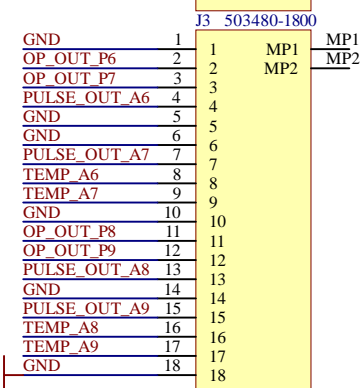
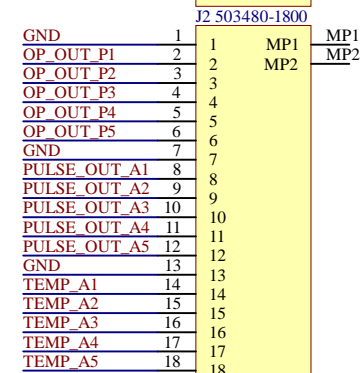
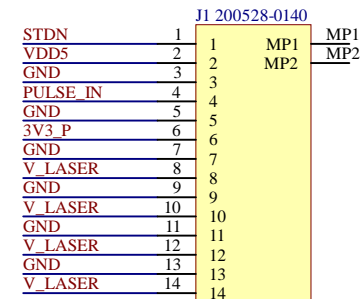
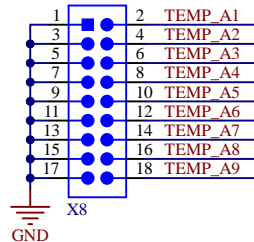
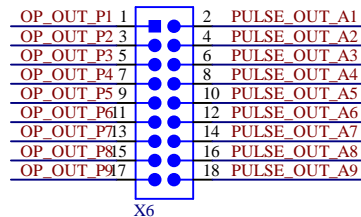
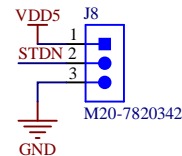
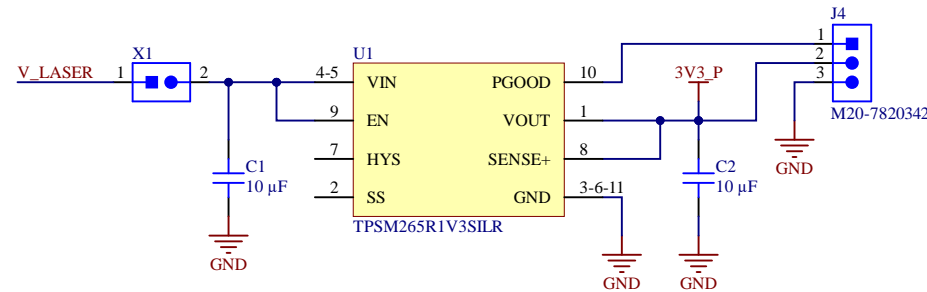
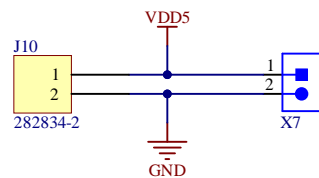
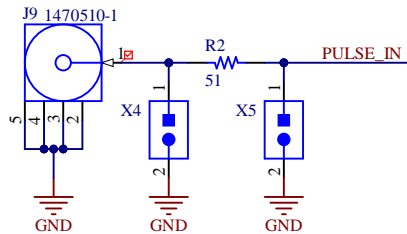
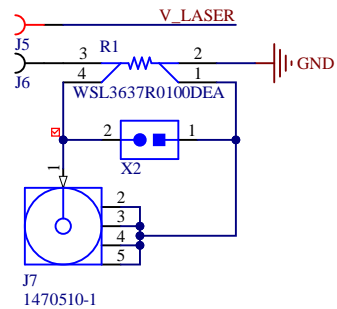


A

B

C

D



ETH Eidgenössische Technische Hochschule Zürich Swiss Federal Institute of Technology Zurich	Project: HELIOS-R LD System Controller	
	Laboratory: IIS	Drawn By: villanif
	Date: 17/07/2025 15:27:39	Checked By: *
	Rev: 1	
Variation: [No Variations]		
File: main.SchDoc		Sheet: 1 / 1

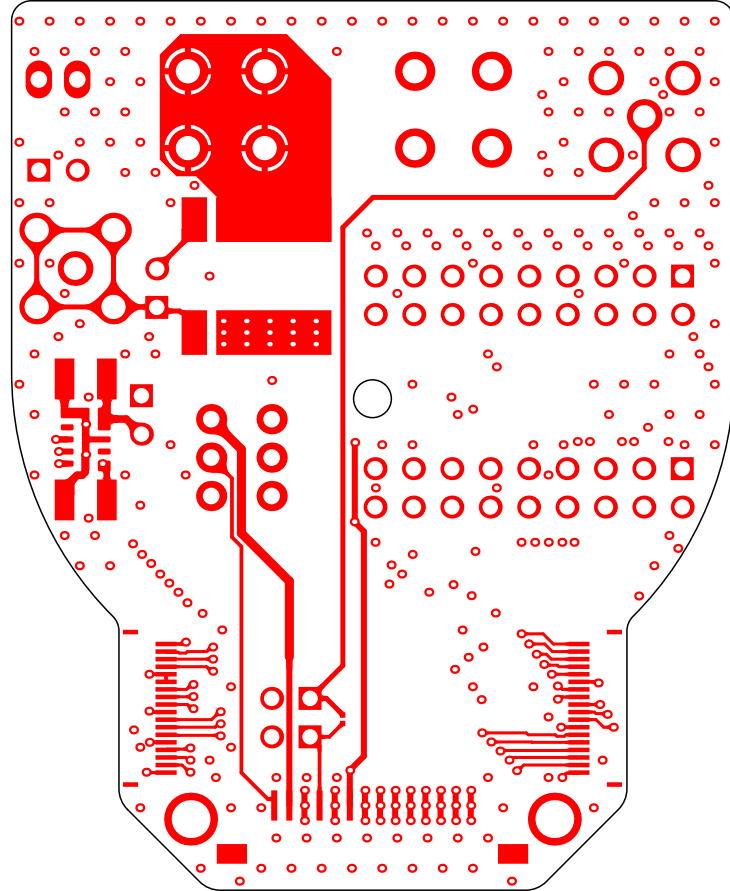
A

B

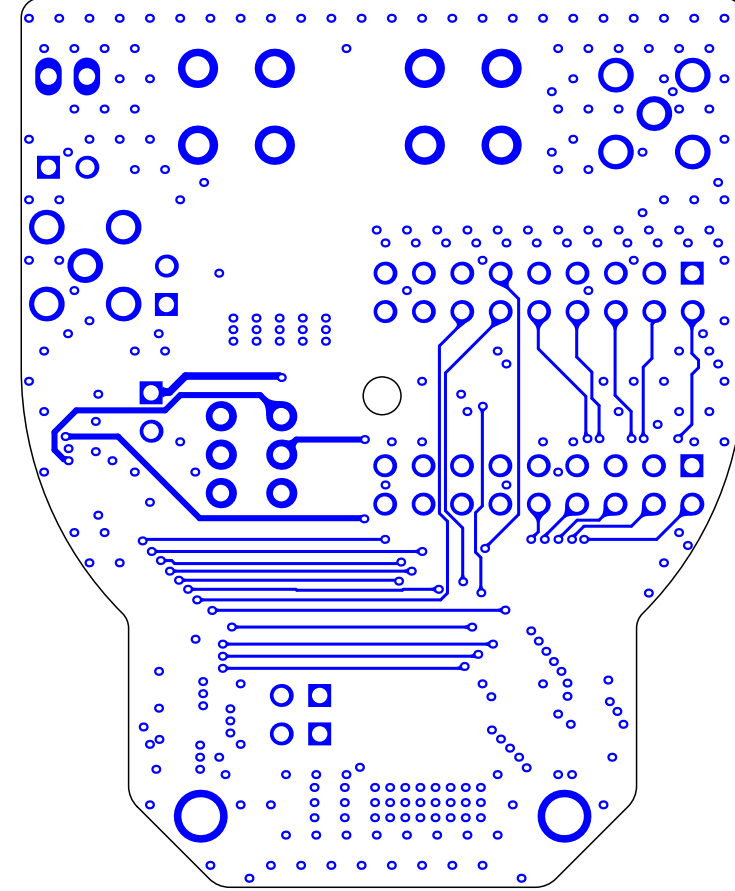
C

D

Top Layer (Scale 2:1)



Bottom Layer (Scale 2:1)

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Rev: 1.0

Variation[No Variations]

File: PULSER_LAY.PCBDwf

Project: HELIOS-R

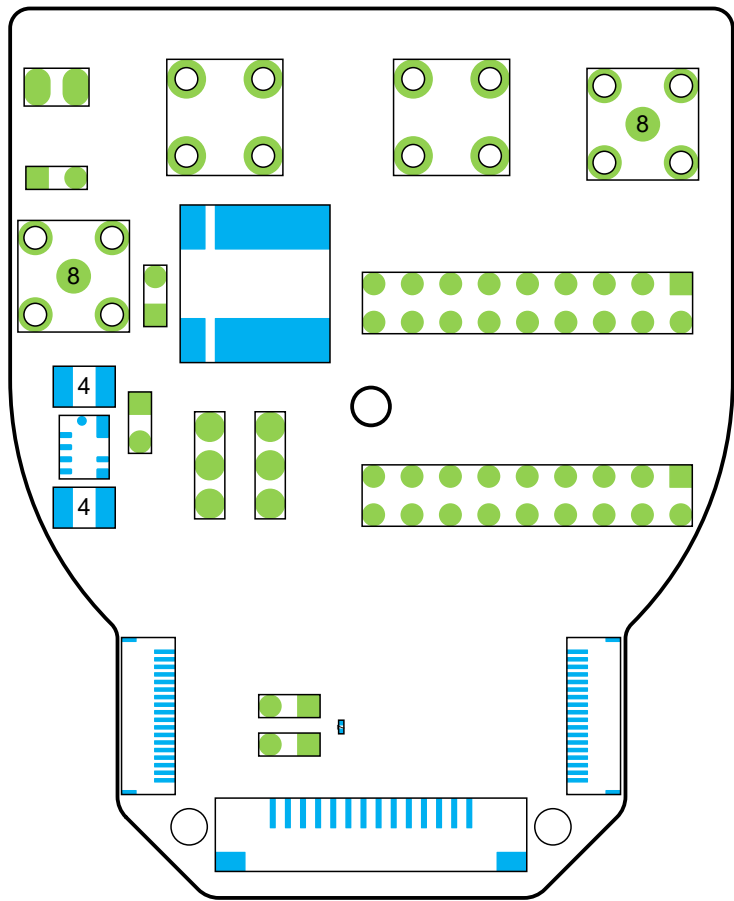
LD Pulser - Layout Sheet

Drawn By: villanif

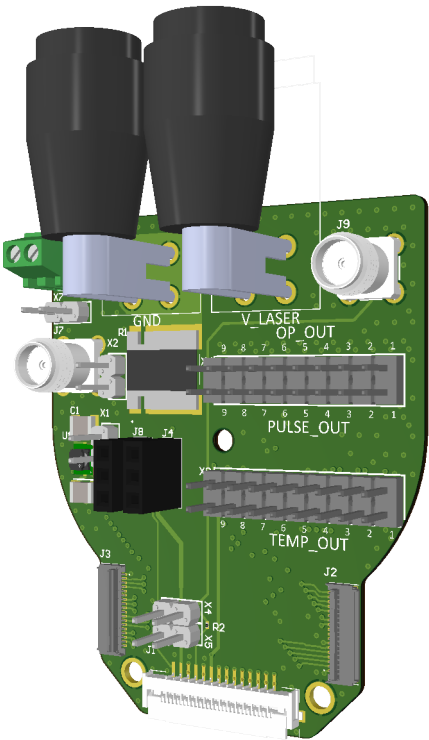
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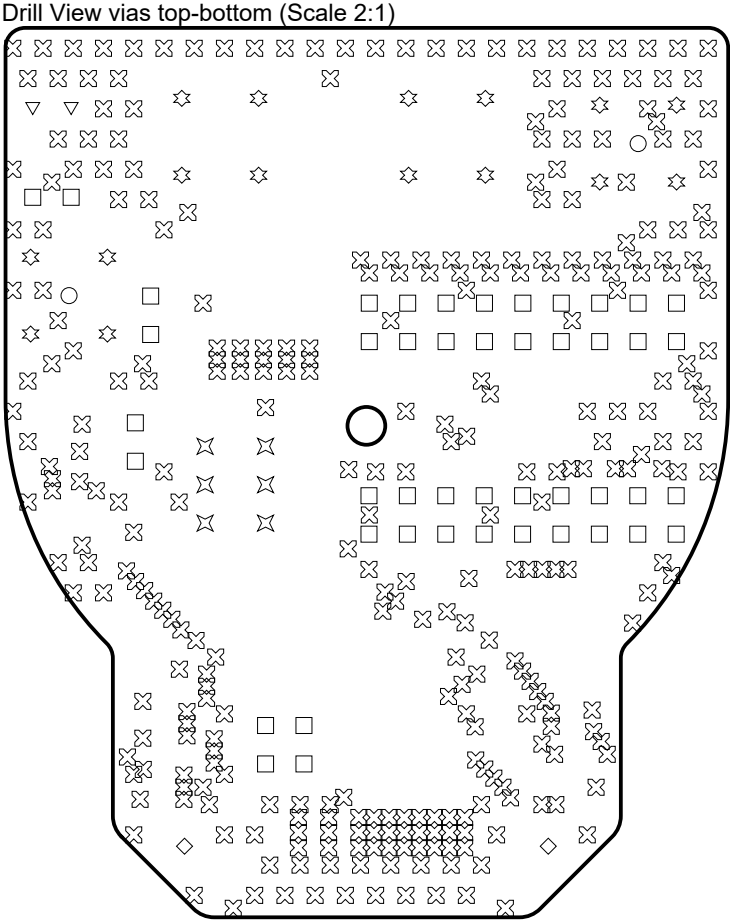
Sheet: 1 / 1

View from Top side (Scale 2:1)



Realistic View





Drill Table - top to bottom

Symbol	Count	Hole Size	Plated	Drill Layer Pair	Via / Pad
×	319	0.30mm	Plated	Top Layer - Bottom Layer	Via
□	46	1.02mm	Plated	Top Layer - Bottom Layer	Pad
☆	6	1.10mm	Plated	Top Layer - Bottom Layer	Pad
▽	2	1.10mm	Plated	Top Layer - Bottom Layer	Pad
○	2	1.50mm	Plated	Top Layer - Bottom Layer	Pad
☆	16	1.60mm	Plated	Top Layer - Bottom Layer	Pad
◇	2	2.50mm	Plated	Top Layer - Bottom Layer	Pad
393 Total					

Layer Stack Legend

Material	Layer	Thickness	Type	Gerber
	Top Overlay		Legend	GTO
Surface Material	Top Solder	0.025mm	Solder Mask	GTS
Nickel, Gold	Top Surface Finish	0.004mm	Surface Finish	
CF-004	Top Layer	0.035mm	Signal	GTL
Prepreg		0.110mm	Dielectric	
CF-004	Int1 (GND)	0.030mm	Signal	G1
Core		0.075mm	Dielectric	
CF-004	Int2 (Sign)	0.030mm	Signal	G2
Prepreg		0.203mm	Dielectric	
Prepreg		0.203mm	Dielectric	
CF-004	Int3 (Sign)	0.030mm	Signal	G3
Core		0.075mm	Dielectric	
CF-004	Int4 (GND)	0.030mm	Signal	G4
Prepreg		0.203mm	Dielectric	
CF-004	Bottom Layer	0.035mm	Signal	GBL
Nickel, Gold	Bottom Surface Finish	0.004mm	Surface Finish	
Surface Material	Bottom Solder	0.025mm	Solder Mask	GBS
	Bottom Overlay		Legend	GBO

Total thickness: 1.117mm

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Rev: 1.0

Variation[No Variations]

File: PULSER_MAN.PCBDwf

Project: HELIOS-R

LD Pulser - Manufacturing Sheet

Drawn By: villanif

Checked By: *

Sheet: 1 / 1