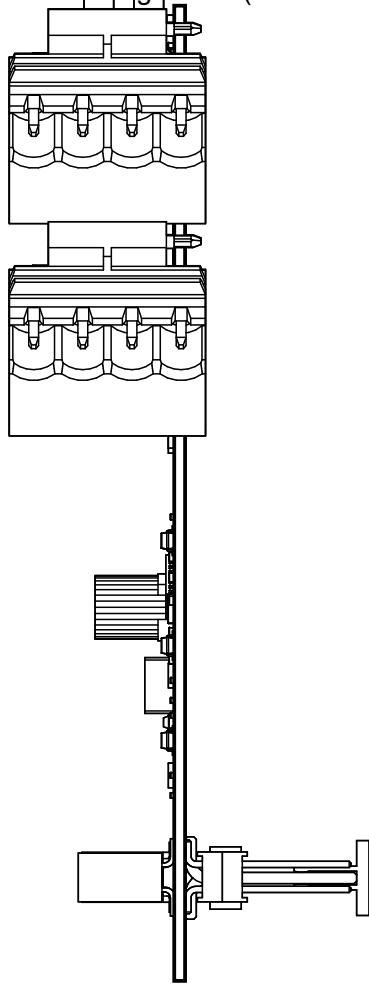
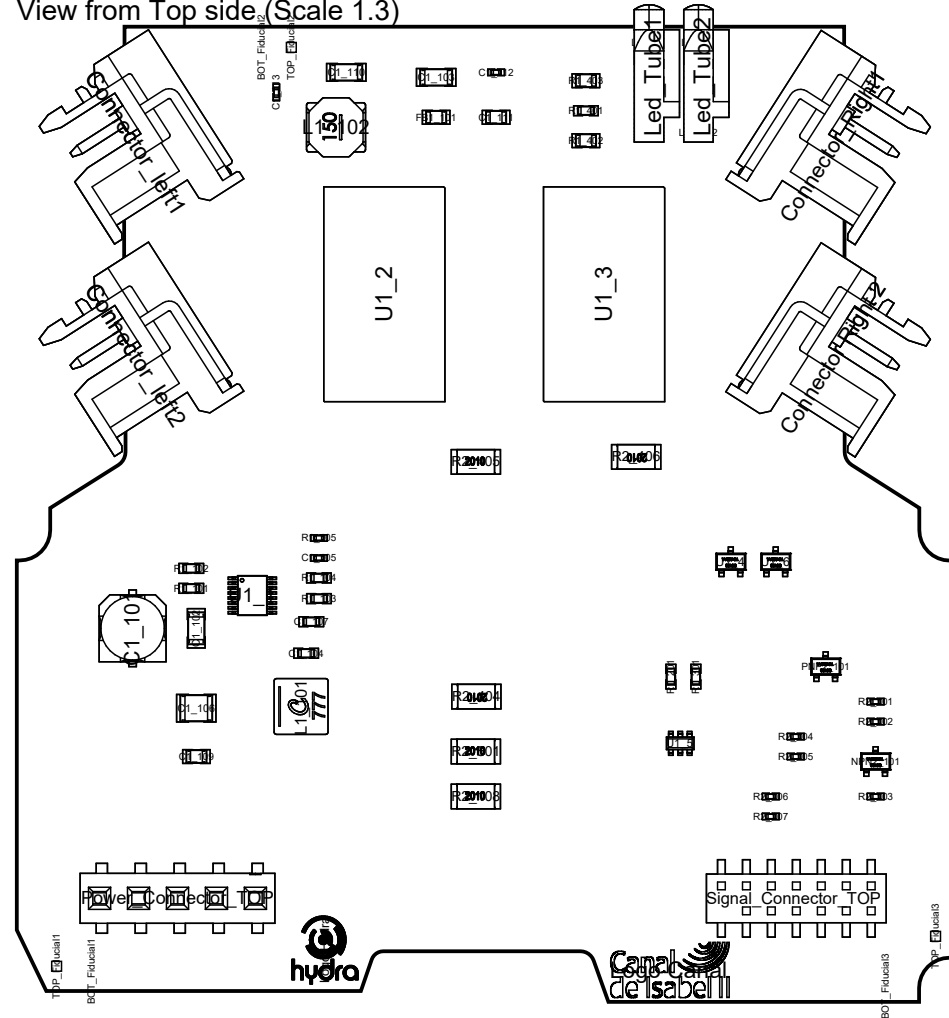


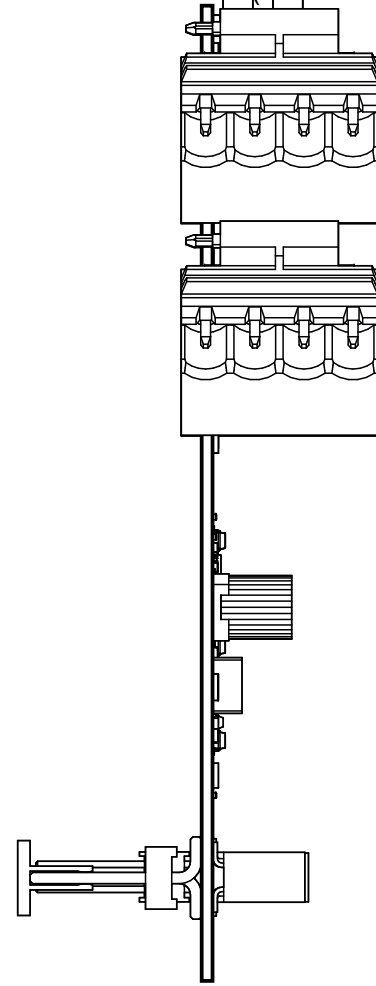
View from Right side (Scale 1.3)



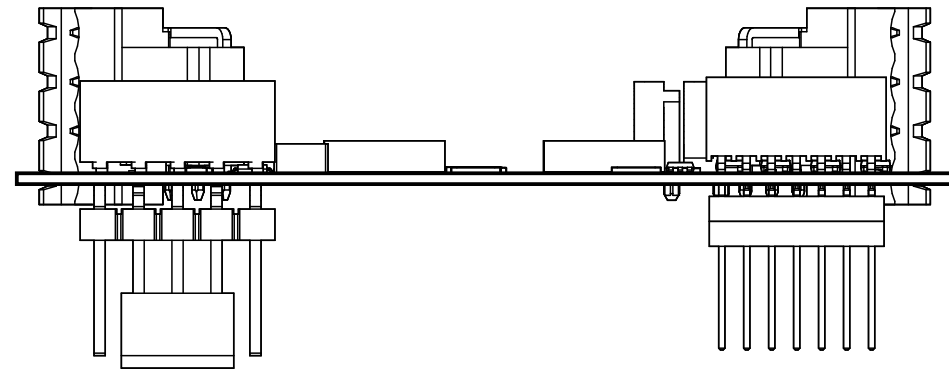
View from Top side (Scale 1.3)



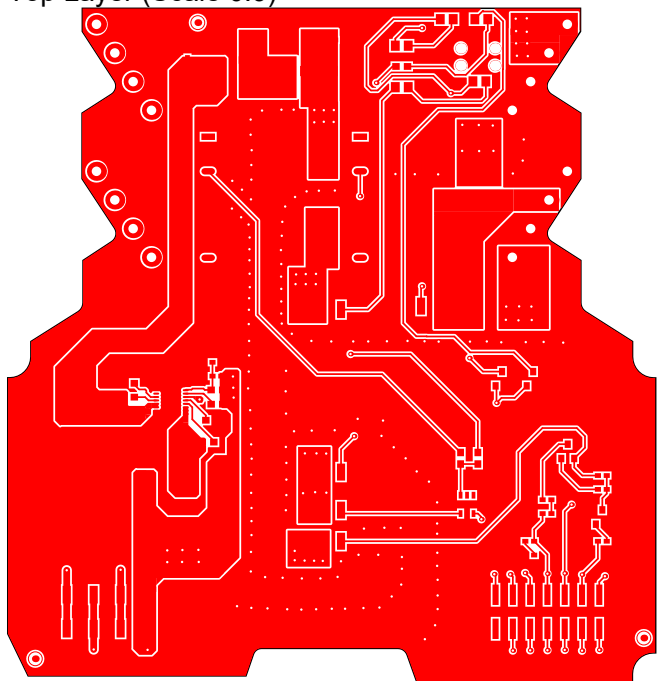
View from Left side (Scale 1.3)



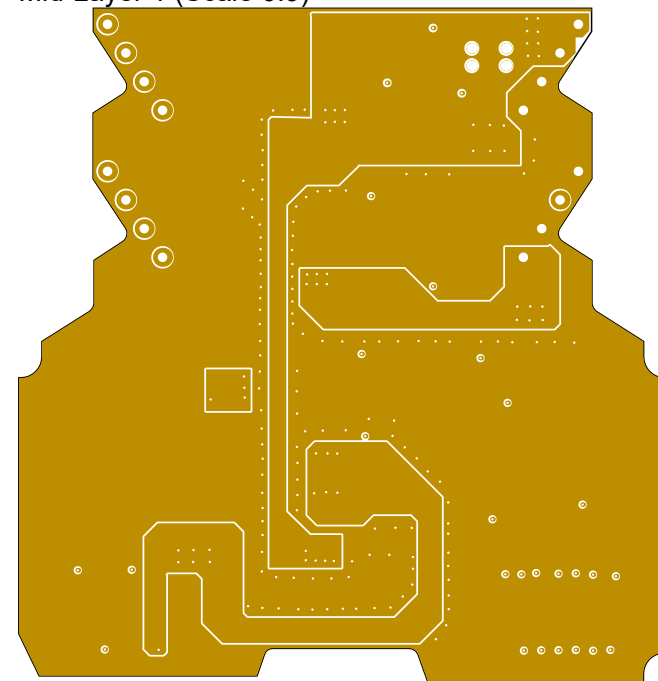
View from Front side (Scale 1.3)



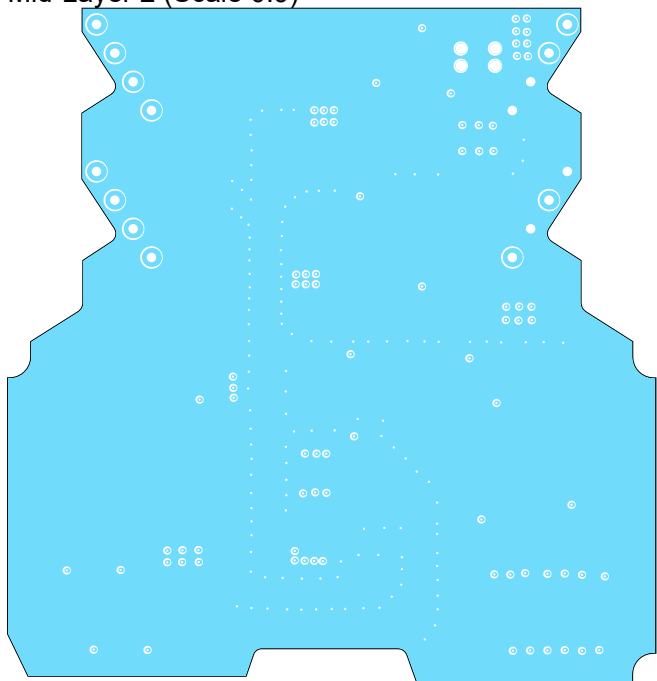
Top Layer (Scale 0.9)



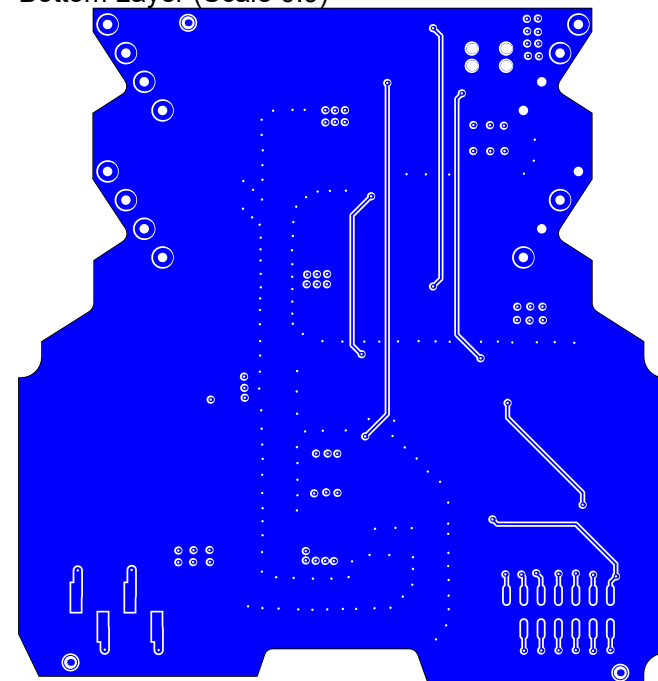
Mid-Layer 1 (Scale 0.9)



Mid-Layer 2 (Scale 0.9)



Bottom Layer (Scale 0.9)

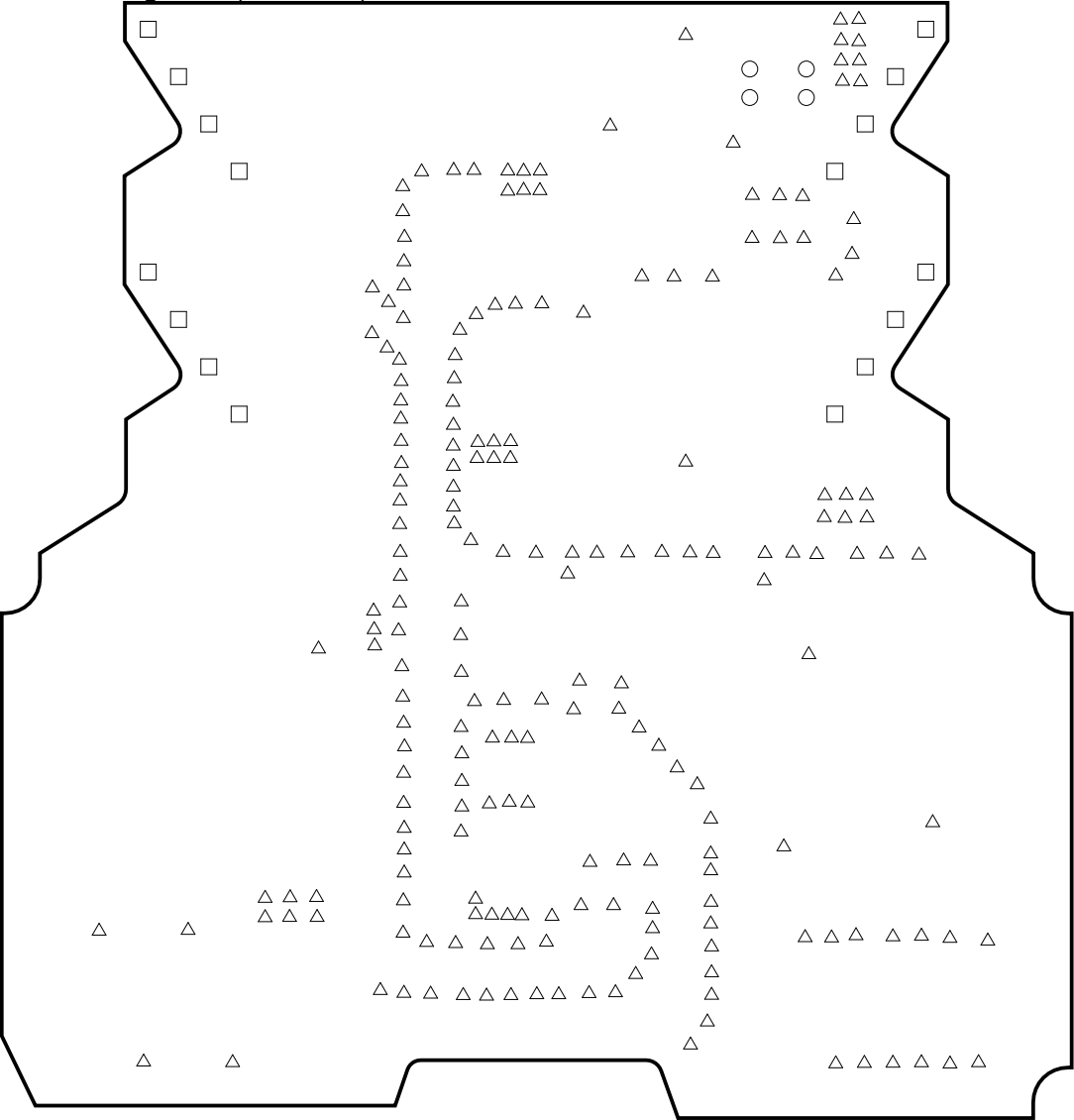


Layer Stack Legend

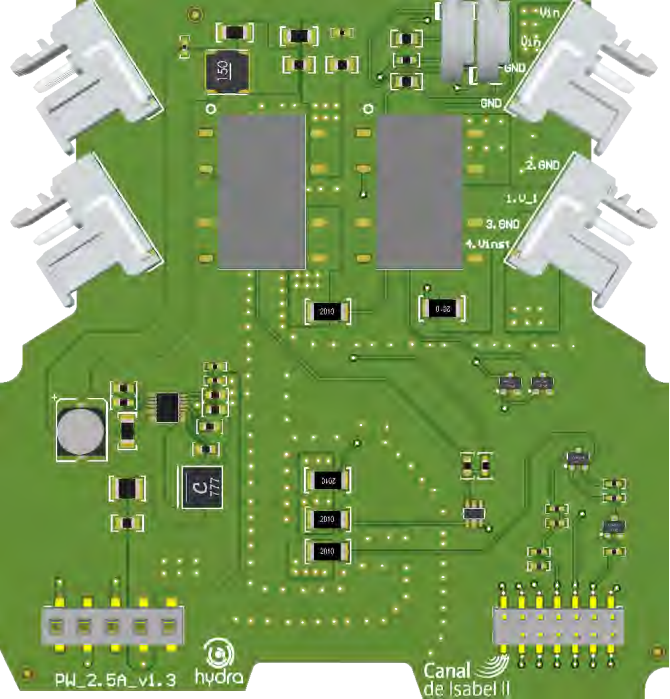
Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
Core		0.32mm	FR-4	Dielectric	
Copper	Mid-Layer 1	0.04mm		Signal	G1
Prepreg		0.32mm	FR-4	Dielectric	
Copper	Mid-Layer 2	0.04mm		Signal	G2
Core		0.32mm	FR-4	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.12mm					

Drill Table				
Symbol	Count	Hole Size	Plated	Hole Tolerance
△	206	0.35mm	Plated	
□	16	1.40mm	Plated	
○	4	1.55mm	Plated	
	226 Total			

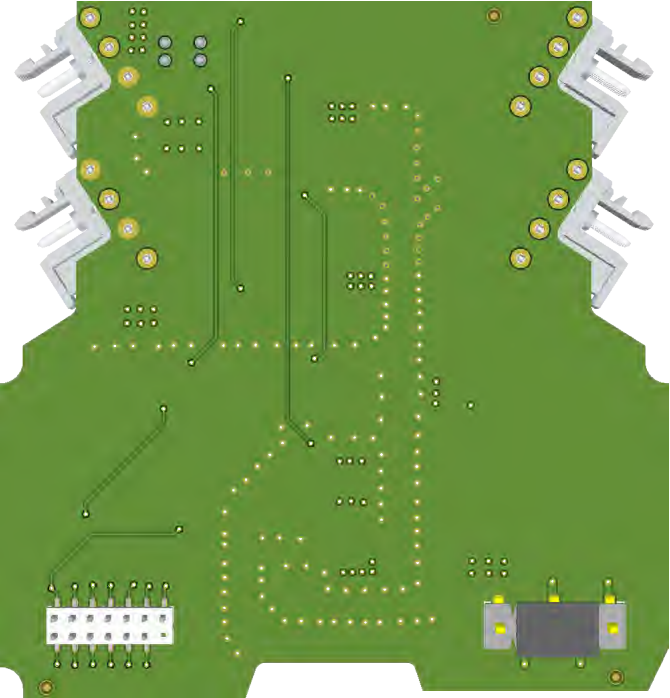
Drill Drawing View (Scale 1.5)

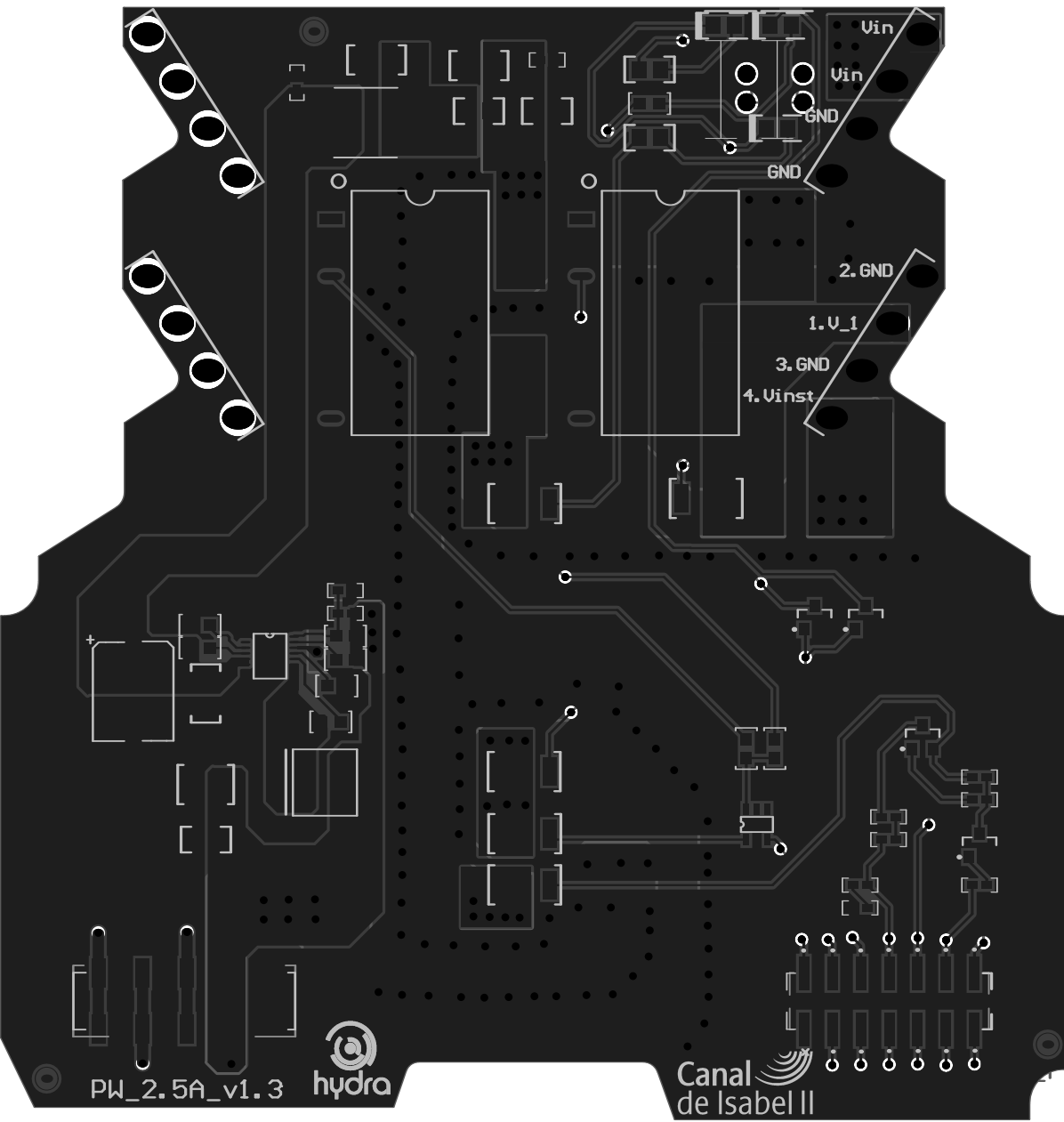


Realistic View



Realistic View





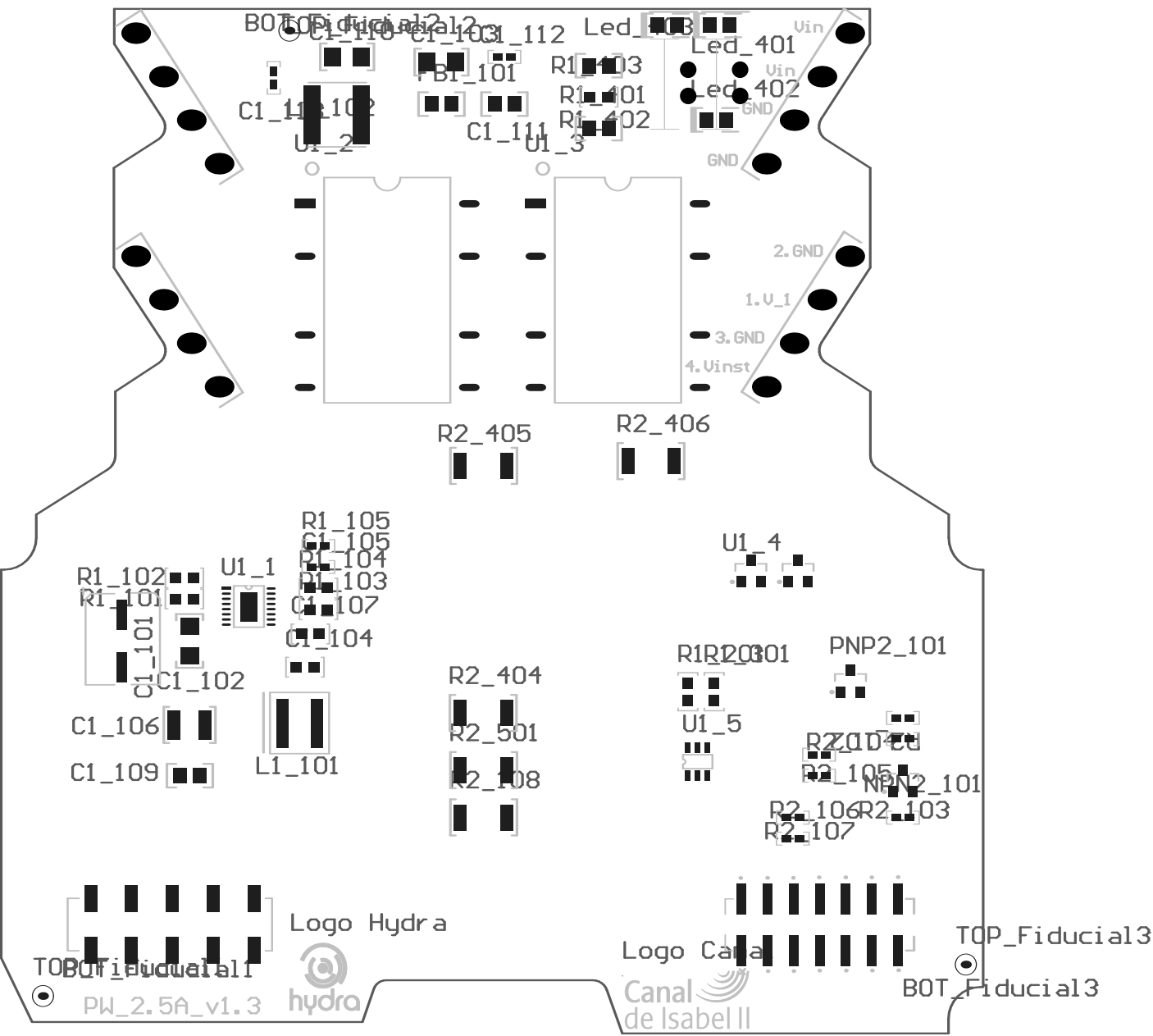
PW_2.5A_v1.3

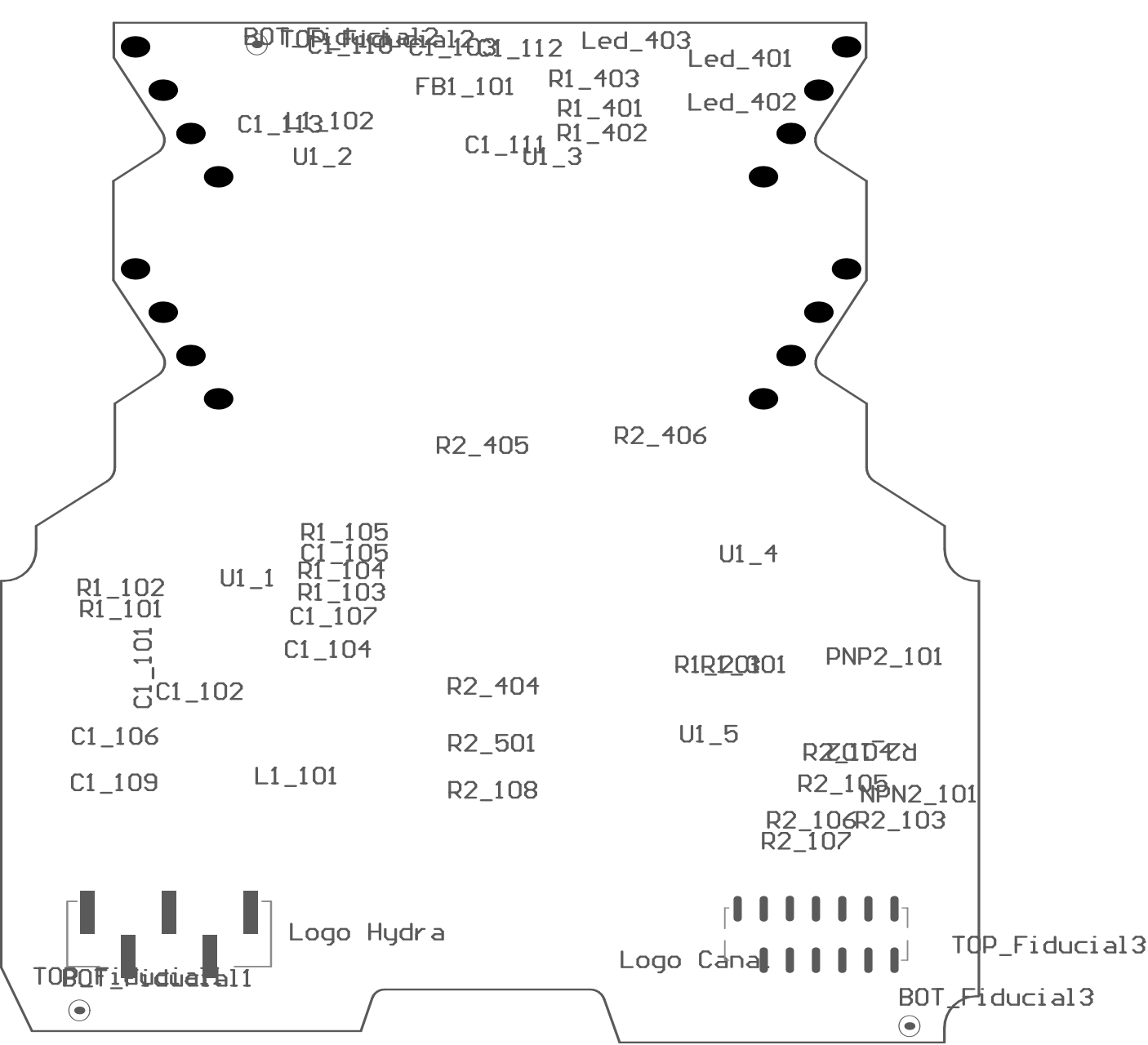


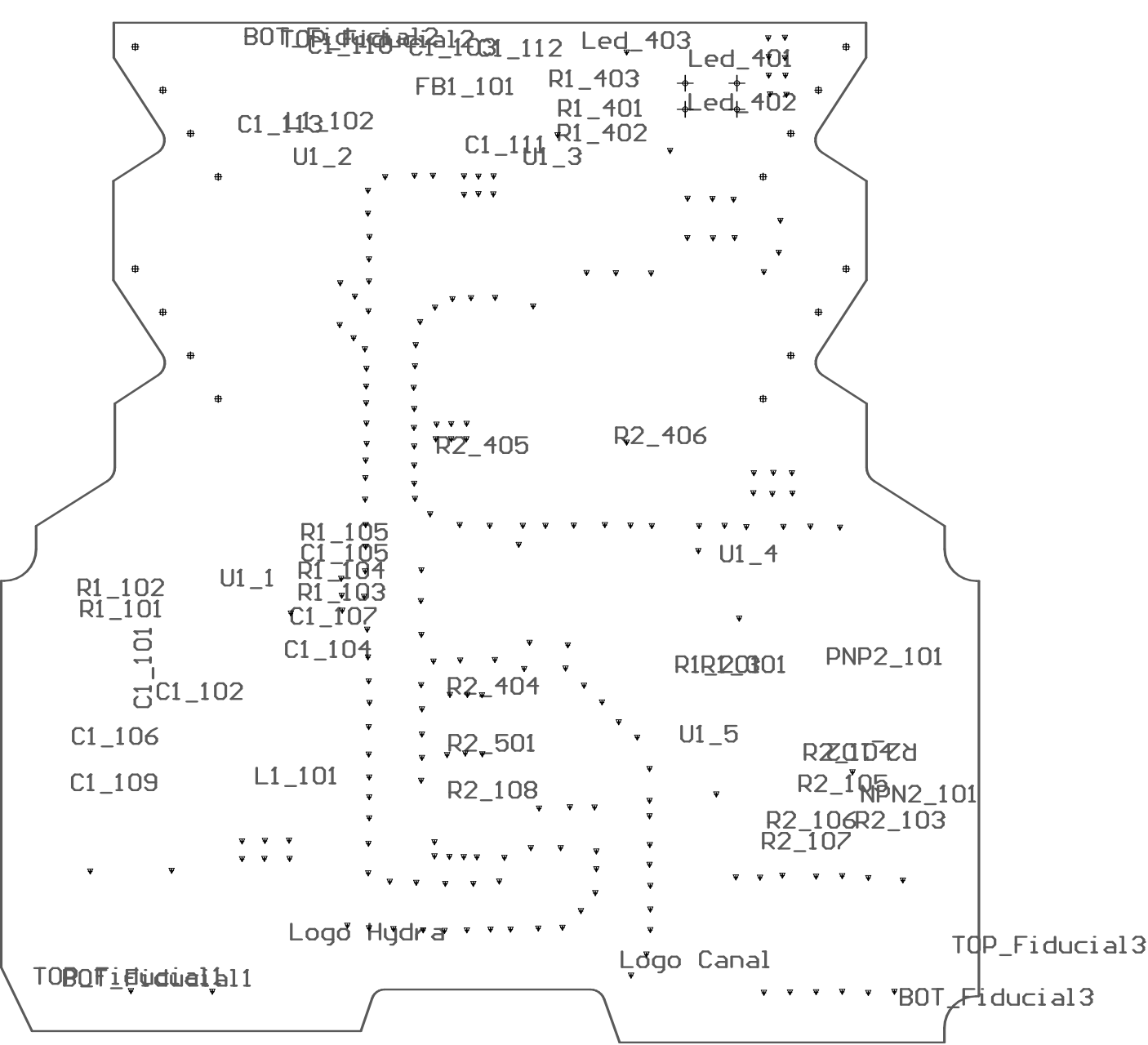
Canal
de Isabel II

P_Fiducial3

Fiducial3







Designator	Description	Comment	Footprint	Quantity
BOT_Fiducial1, BOT_Fiducial2, BOT_Fiducial3	Non-mountable component	Fiducial	FIDUCIAL BOTTOM	3
C1_101	CAP, ALUM 22µF 63V, SUN ELECT, 63CE22BS	63V	CAP SMD 6.3(X7.7)	1
C1_102, C1_103, C1_104	CAP, X7R, 4.7µF, 50V, 10% 1206, MURATA, GRM31CR71H475K00L1206	50V 1206	1206	3
C1_104	Cap Ceramic 16V 0.22uF 0603 X8L 10% C0603C224K4NACAUTO	16V	0603	1
C1_105	CAP, C0G, 10pF, 25V, 10%, 0402 C0402C100K3GACAUTO	Cap	0402	1
C1_106	CAP, X7R, 47µF, 10V, 10%, 1210, MURATA, GRM32ER71A476K1210	10V 1210	1210	1
C1_107	CAP, X7R, 1µF, 25V, 10%, 0603, MURATA, GRM188R71E105KA0603	25V	0603	1
C1_109	CAP, X7R, 4.7µF, 16V, 10%, 0805 CGA4J3X7R1C475K125AB	16V 0805	0805	1
C1_111	CAP, X7R, 1µF, 50V, 10%, 0805	50V 0805	0805	1
C1_112, C1_113	CAP, X7R, 0.1µF, 50V, 10%, 0402	50V 0402	0402	2
Connector_Right2, Connector_Right1	Phoenix contact MSTBO 2,5/ 4-G1R KMGY - 2907787 4 pines Right Position	2907787	Phoenix contact connector Right 2907787	2
Connector_left1, Connector_left2	Phoenix contact MSTBO 2,5/ 4-G1L KMGY - 2907774 4 pin left pasamuros	2907774	Phoenix contact connector Left 2907774	2
FB1_101	TDK, MPZ2012S331AT000, 0805, ferrite bead	Jumper 1x2	0805	1
L1_101	Inductores fijos 2.2uH 20% 9.7A 14.5mOhms AEC-Q200 COILCRAFT 222MEC	COILCRAFT, XAL5030-222MEC	XAL5030-222MEC	1
L1_102	Inductores fijos 6028 4.7uH 40.3mOhms +/-20%ToI 2.7A NR6028T4R7M	028T4R7M	NR6028T4R7M	1
Led_401	Green Standard Led Vf 2V If 20mA 0805 LTST-C170KGKT	Green	0805 DIODO	1
Led_402	Yellow Standard Led Vf 2V If 20mA 0805 LTST-C171KSKT	Yellow	0805 DIODO	1
Led_403	Red Standard Led Vf 2V If 20mA 0805 LTST-C170KRKT	Red	0805 DIODO	1
Led_Tube1, Led_Tube2	Phoenix contact 2202315 tubo de LED HS LC-H-D3/ R2XC1-5, 2202315	2202315	Phoenix contact tubo de led 2x1 2202315	2
Logo Canal	Non-mountable component	PCB printed logo	Logo CYII Pequeño	1
Logo Hydra	Non-mountable component	PCB printed logo	Logo Hydra Pequeño	1
NPN2_101	NPN General Purpose Amplifier	BC847	SOT23-3	1
PNP2_101	PNP General Purpose transistor BC807	BC807	SOT23-3	1
Power_Connector_B5	SAMTEC HFWJ-05-02-T-S-VS-P	Power Connector 5x1 SMD SAMTEC Male 3.96 pitch male	SAMTEC HFWJ-05-02-T-S-VS-P 5pines 3.96 pitch male	1
Power_Connector_T6	Samtec FHP-05-02-T-S	Powe Connector 5X1 SMD SAMTEC Housing 3.96 pitch housing	SAMTEC FHP-05-02-T-S 5pines 3.96 pitch housing	1
R1_101, R1_104	RES, CHIP, 1M, 1/10W, 1%, 0603, VISHAY, CRCW06031M00FKR	Res1	0603	2
R1_102	RES, CHIP, 18.2k, 1/10W, 1%, 0603		0603	1
R1_103	RES, CHIP, 49.9k, 1/10W, 1%, 0603, VISHAY, CRCW060349K9FKR	Res1	0603	1
R1_105	Res 243K 1% 0402 1/16W	Res1	0402	1
R1_201, R1_301	Resistor 470 ohm, 1/8 W, 0603 , 1% , Vishay MCT06030C4700	FP500	0603	2
R1_401	Res 330 Ohm 1% 1/10W 0603	Res2	0603	1
R1_402, R1_403	Res 3kOhm 1% 1/2W 0805	Res2	0805	2
R2_101, R2_102, R2_103	Res 1MOhm 1/10W 0.25% 0402		0402	3
R2_104	Res 1k2 Ohms 1% 1/10W 0402	Res2	0402	1
R2_105	Res 75kOhms 1% 1/10W 0402	Res2	0402	1
R2_106	Res 8k2 Ohms 1% 1/10W 0402	Res2	0402	1
R2_107	Res 300 Ohms 1% 1/10W 0402	Res2	0402	1
R2_108, R2_404, R2_406, R2_501	RES, CHIP, 0 ohm, 3/4W, 2010, VISHAY, CRCW20100000Z0EF		2010	5
Signal_Connector_B3	SAMTEC HW-07-09-T-D-250-SM-013	Signal Connector 7x2 SMD SAMTEC Male ciego	SAMTEC 14 pines 13 blind male HW-07-09-T-D-435-SM-013	1
Signal_Connector_T3	SAMTEC SSW-107-22-G-D-VS-013-P	Signal Connector 7x2 SMD SAMTEC housing ciego	SAMTEC 14 pines 13 blind housing SSW-107-22-G-D-VS-013	1
TOP_Fiducial1, TOP_Fiducial2, TOP_Fiducial3	Non-mountable component	Fiducial	FIDUCIAL TOP	3
U1_1	Linear technology LT8610EMSE 42V, 2.5A Synchronous Step-Down with 2.5µA Quiescent Current	Power Regulator	MSOP 16 Exposed Die Pad	1
U1_2, U1_3	Rele de estado sólido 60V 6A NO	CPC1907B	CPC1907B	2
U1_4, U1_6	On semiconductors MMUN2233LT1G,SOT23-3, Transistores b Prepolarizados 100mA 50V BRT NPN	MMUN2233LT1G	SOT23-3	2
U1_5	TPS22917DBVR	TPS22917DBVR	SOT23-6	1