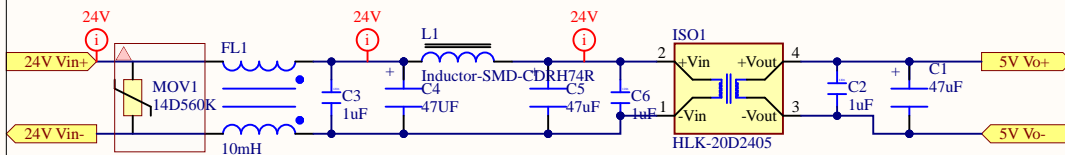



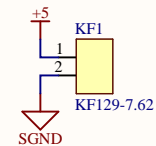
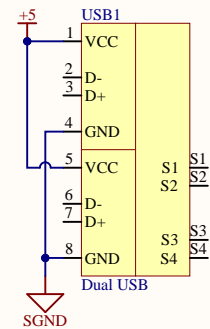
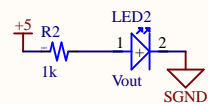
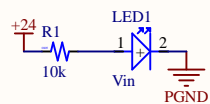
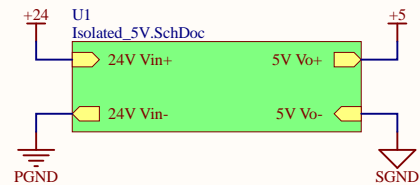
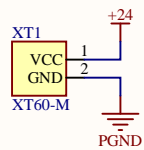
## 24V to 5V with isolation




**CONFIDENTIAL**

Title <i><b>Iso DCDC 20W Core</b></i>			PolyU Robotics Club polyu.robcon.studio@gmail.com * * *	
Size: <b>A4</b>	Number:	Revision: <b>V2.0</b>		
Date: <b>12/1/2021</b>	Time: <b>2:03:46 AM</b>	Sheet of		
File:				

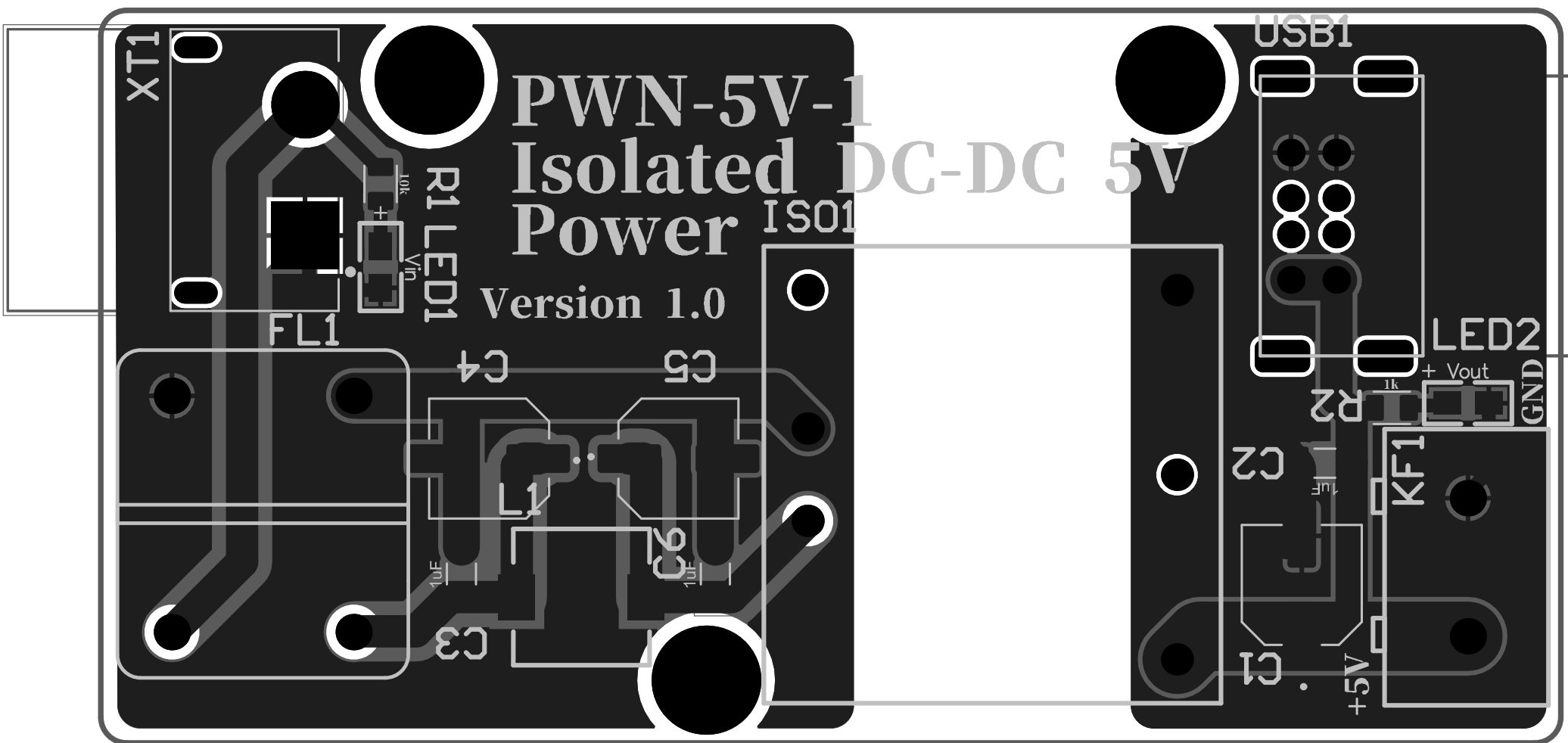




**CONFIDENTIAL**

Title <i>Top PWN-5V-1</i>			PolyU Robotics Club polyu.robcon.studio@gmail.com * *	
Size: A4	Number:	Revision: V1.0		
Date: 12/1/2021	Time: 2:03:46 AM	Sheet of		
File:				





Comment	Description	Designator	Footprint	LibRef	Quantity
47uF	ALUMINUM ELECTROLYTIC CAP.	C1, C4, C5	CAP-AE4-660X800N	CAP-AE4-6x8	3
1uF	SURFACE MOUNT CAPACITOR 12 06	C2, C3, C6	1206Cap	Cap-1206	3
10mH	UU10.5 Common Mode Choke	FL1	UU10.5-common	Inductor-Common- UU10.5	1
HLK-20D2405	ISOLATOR-DCDC- HLK-20D2405 24V DC to 5V DC 4000mA	ISO1	HLK-20D2405	ISOLATOR-DCDC- HLK-20D2405	1
KF129-7.62		KF1	CONNECTOR-KF129- 7.62-2P	Connector-KF129- 7.62-2P	1
Inductor-SMD- CDRH74R	SMD Power Inductor 7.5*7.5*4.5 mm CDRH74R	L1	CDRH74R	Inductor-SMD- CDRH74R	1
Vin		LED1	0805LED	LED-SMD	1
Vout		LED2	0805LED	LED-SMD	1
10k		R1	0805v2	Resistor-0805	1
1k		R2	0805v2	Resistor-0805	1
Dual USB	Dual USB 2.0 typeA	USB1	Connector_usb_2.0 _A_2P	Connector-USB- typeA-dual	1
XT60-M		XT1	AMASS_XT60PW- M20-SHORT	Connector-XT60- POWER	1