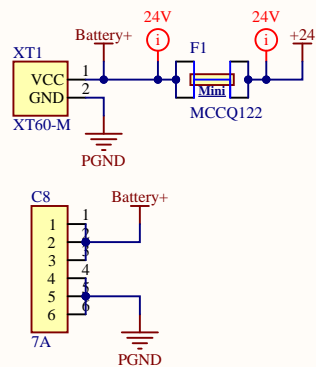
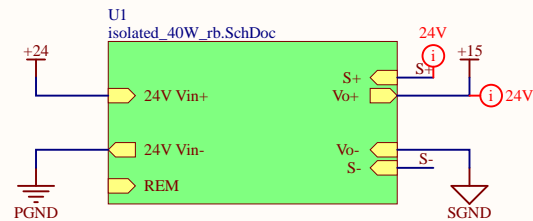


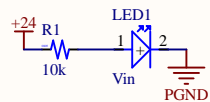
## Input & Fuse



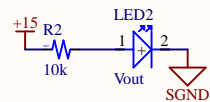
## Power Module



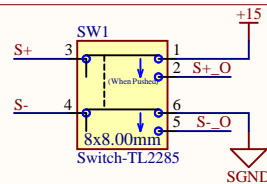
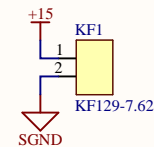
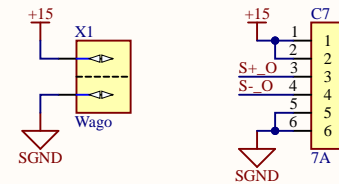
### Vin LED



### Vout LED

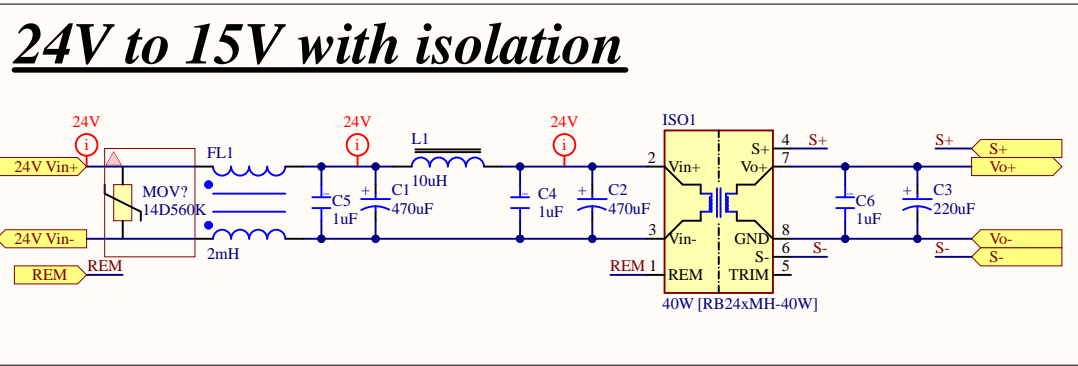


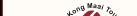
## Connector



Title	Top		
Size:	A4	Number:	Revision: V1.0
Date:	1/27/2022	Time: 6:47:36 PM	Sheet 1 of 2
File:			*





Title <b>RB24xMH-40W</b>			
Size: <b>A4</b>	Number:	Revision: <b>V1.0</b>	
Date: <b>1/27/2022</b>	Time: <b>6:47:37 PM</b>	Sheet <b>2</b> of <b>2</b>	
File:			



Comment	Description	Designator	Footprint	LibRef	Quantity
470uF	ALUMINUM ELECTROLYTIC CAP.	C1, C2	CAP-10x10.2mm	Cap-AEA-10x10.2	2
220uF	ALUMINUM ELECTROLYTIC CAP.	C3	CAP-AE4-660X800N	Cap-AE4-6x8	1
1uF	SURFACE MOUNT CAPACITOR 12 06	C4, C5, C6	1206Cap	Cap-1206	3
7A	GY-B04F-L1 GY-B01M-R4-B	C7	GY-B04F-L1	Connector-battery- 2.5mm-6P	1
7A	GY-B04F-L1 GY-B01M-R4-B	C8	GY-B01M-R4-B	Connector-battery- 2.5mm-6P	1
MCCQ122	Fuse Block 30A 500V 1 Circuit Blade Through Hole	F1	BladeFuse-Mini- MCCQ122	BladeFuse- MCCQ122	1
2mH	SQ1515 Common Mode Choke 2mH 10mH 20mH 30 mH	FL1	SQ1515 common	Inductor-Common- SQ1515	1
40W [RB24xMH- 40W]	Isolator-DCDC- RB24XXMH-40W 24V DC to 24 DC 1.666A 24V DC to 15V DC 2.666A 24V DC to 12V DC 3.333A 24V DC to 5V DC 7A (35W)	ISO1	RB-24XXMH-40W	Isolator-DCDC-RB- 24XXMH-40W	1
KF129-7.62		KF1	CONNECTOR-KF129- 7.62-2P	Connector-KF129- 7.62-2P	1
10uH	SMD Power Inductor CKST0603- 10uH	L1	CKST0603-10UH inductor	Inductor-SMD- CKST0603-10UH	1
Vin		LED1	0805LED	LED-SMD	1
Vout		LED2	0805LED	LED-SMD	1
10k		R1, R2	0805v2	Resistor-0805	2
Switch-TL2285	TL2285 8x8.00mm	SW1	SWITCHES-TL2285	Switch-TL2285	1
Wago	2060 Series 2 Position 24-18 AWG 4 mm Pitch Long Body Pushbutton Terminal Block	X1	Connector-2060- 452/998-404	Connector-Wago- 2060-452	1
XT60-M		XT1	AMASS_XT60PW- M20-SHORT	Connector-XT60- POWER	1