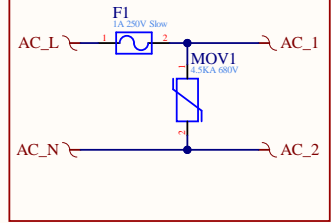
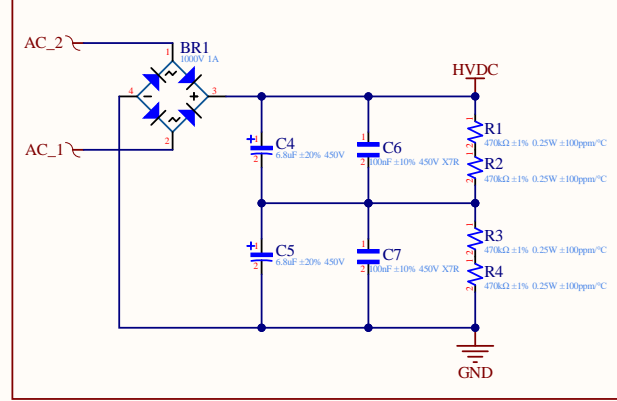


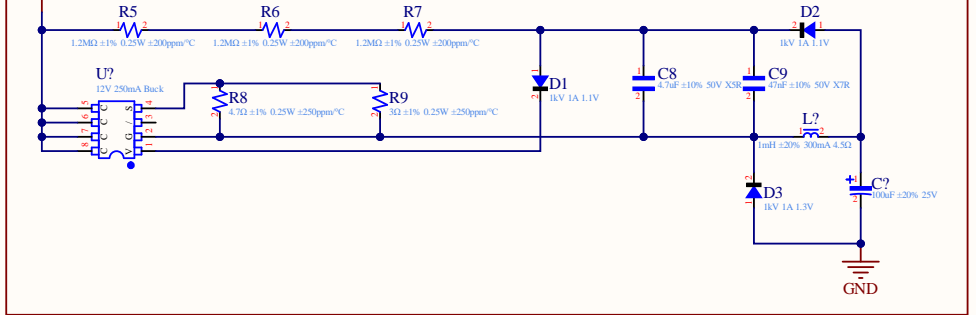
HV Protection



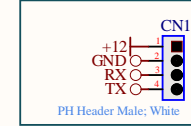
HVDC



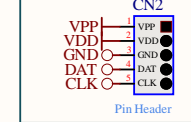
HVDC



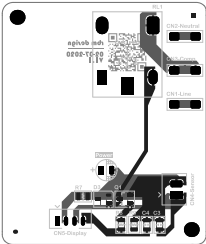
PH: Display Module



MH: Program



Project Name: PCB_Project_W-F-FC-HX3X.PrjPcb
 Date: 11-Nov-20 Revision: 1
 Drawn by: Raihan Bin Mofidul
 Company: Walton Hi-Tech Industries Ltd.



Component list

Bill of Materials for Project [PCB_Project_W-F-FC-HX3X.PrjPcb] (No PCB Document Selected)

Source Data From:

PCB_Project_W-F-FC-HX3X.PrjPcb

Project:

PCB_Project_W-F-FC-HX3X.PrjPcb

Variant:

None



Report Date: 11-Nov-20 6:05 PM
Print Date: 11-Nov-20 6:05:17 PM

#	Designator	LibRef	Manufacturer Name Error: Manufact	Description	Footprint	Library Name	Comment	Quantity
1	BR1	Diode>> Bridge Rectifier		MB10S-10; MBS Bridge Rectifiers RoHS	D_SMD_MBS	RBM_ALTIUM_SCH_LIBRARY.SchLib	1000V 1A	1
2	C4, C5	Capacitor>> Polar		VKME1302W6R8M; 10x13mm Aluminum Electrolytic Capacitors - SMD RoHS	C_SMD_Ø10*13mm	RBM_ALTIUM_SCH_LIBRARY.SchLib	6.8uF ±20% 450V	2
3	C6, C7	Capacitor>> Non-Polar		NM1206B104K451CEGN; 1206 Multilayer Ceramic Capacitors MLCC - SMD/SMT RoHS	C_1206	RBM_ALTIUM_SCH_LIBRARY.SchLib	100nF ±10% 450V X7R	2
4	C8	Capacitor>> Non-Polar		CL21A475KBQNNNE; 0805 Multilayer Ceramic Capacitors MLCC - SMD/SMT RoHS	C_0805	RBM_ALTIUM_SCH_LIBRARY.SchLib	4.7uF ±10% 50V X5R	1
5	C9	Capacitor>> Non-Polar		CL21B473KBANNC; 0805 Multilayer Ceramic Capacitors MLCC - SMD/SMT RoHS	C_0805	RBM_ALTIUM_SCH_LIBRARY.SchLib	47nF ±10% 50V X7R	1
6	C7	Capacitor>> Polar		SMD,6.3x5.4mm Aluminum Electrolytic Capacitors - SMD RoHS	C_SMD_Ø6.3*5.4mm	RBM_ALTIUM_SCH_LIBRARY.SchLib	100uF ±20% 25V	1
7	CN1	Connector>> 4Pins		A2001WR-S-4P; Pin 0.079" (2.00mm) 4 SMD,P=2mm Wire To Board / Wire To Wire Connector RoHS	CN_4P_A2001WR-S-XP-LCP	RBM_ALTIUM_SCH_LIBRARY.SchLib	PH Header Male; White	1
8	CN2	Connector>> PIC Program		A2541WR-5PMTB125-1105R1/PZ254R-11-05P; 5pins, right-angle 90degrees 2.54mm Through Hole,P=2.54mm Pin Header & Female Header RoHS	CN_PC_MCU_Debugger_RightAngle	RBM_ALTIUM_SCH_LIBRARY.SchLib	Pin Header	1
9	D1, D2	Diode>> General Purpose		MDD M7; SMA (DO-214AC) Diodes - General Purpose RoHS	D_DO-214AC	RBM_ALTIUM_SCH_LIBRARY.SchLib	1kV 1A 1.1V	2
10	D3	Diode>> General Purpose		LGE RS1M; 1A 500ns SMA Diodes - Rectifiers - Fast Recovery RoHS	D_DO-214AC	RBM_ALTIUM_SCH_LIBRARY.SchLib	1kV 1A 1.3V	1
11	F1	Fuse		Littelfuse 39211000440; TE5 Fuse, Time-Lag type, 250V rated, designed in accordance to IEC 60127-3.	F_SQUARE_8.5*8_P5.08	RBM_ALTIUM_SCH_LIBRARY.SchLib	1A 250V Slow	1
12	L?	Inductor>> General Purpose		YNR6045-102M; SMD,6.0x6.0x4.5mm Power Inductors RoHS	L_SMD_6.0x6.0x4.5mm	RBM_ALTIUM_SCH_LIBRARY.SchLib	1mH ±20% 300mA 4.5Ω	1
13	MOV1	Varistor		VDR-14D681K; 560V 1120V 4.5KA 680V Through Hole,P=7.5MM Varistors RoHS	MOV_14D561K	RBM_ALTIUM_SCH_LIBRARY.SchLib	4.5KA 680V	1
14	R1, R2, R3, R4	Resistor>> General Purpose		RK73H2BTTD4703F; 1206 Chip Resistor - Surface Mount RoHS	R_1206	RBM_ALTIUM_SCH_LIBRARY.SchLib	470kΩ ±1% 0.25W ±100ppm/°C	4
15	R5, R6, R7	Resistor>> General Purpose		RK73H2BTTD1204F; 1206 Chip Resistor - Surface Mount RoHS	R_1206	RBM_ALTIUM_SCH_LIBRARY.SchLib	1.2MΩ ±1% 0.25W ±200ppm/°C	3
16	R8	Resistor>> General Purpose		RS-06L4R70FT; 1206 Chip Resistor - Surface Mount RoHS	R_1206	RBM_ALTIUM_SCH_LIBRARY.SchLib	4.7Ω ±1% 0.25W ±250ppm/°C	1
17	R9	Resistor>> General Purpose		RS-06L3R00FT; 1206 Chip Resistor - Surface Mount RoHS	R_1206	RBM_ALTIUM_SCH_LIBRARY.SchLib	3Ω ±1% 0.25W ±250ppm/°C	1
18	U?	IC>> OB-SMPS 8pins		OB2225MCPA; SOP8 Switching Controllers RoHS	U_SOP-8	RBM_ALTIUM_SCH_LIBRARY.SchLib	12V 250mA Buck	1

Approved	Notes	26