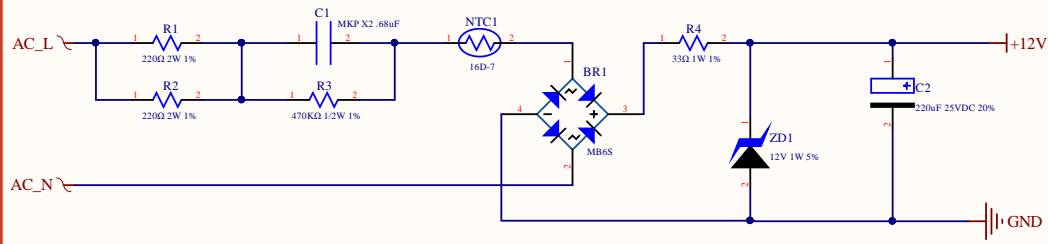


PCB Tab Terminal Connectors

CN1-PHASE
187 Series RA TAB
AC_LCN2-NEUTRAL
187 Series RA TAB
AC_NCN3-COMP
187 Series RA TAB
AC_M

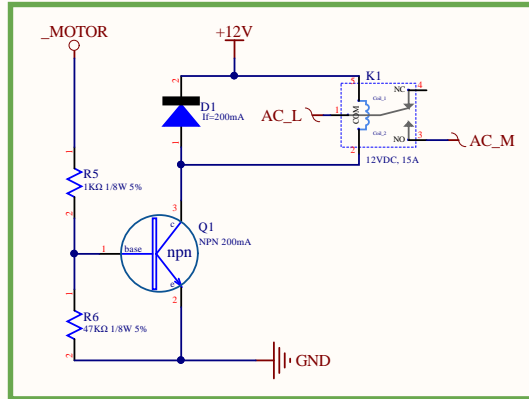
Linear Adapter



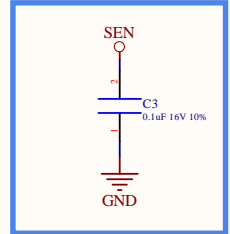
DC Connectors

CN4 - SENSOR
SEN
GND
A2512WV-XPCN5 - DISPLAY
+12V
GND
SEN
_MOTOR
A2001WV-XP

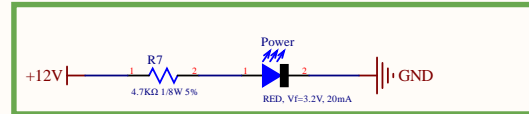
COMPRESSOR



SENSOR_FILTER



POWER INDICATOR

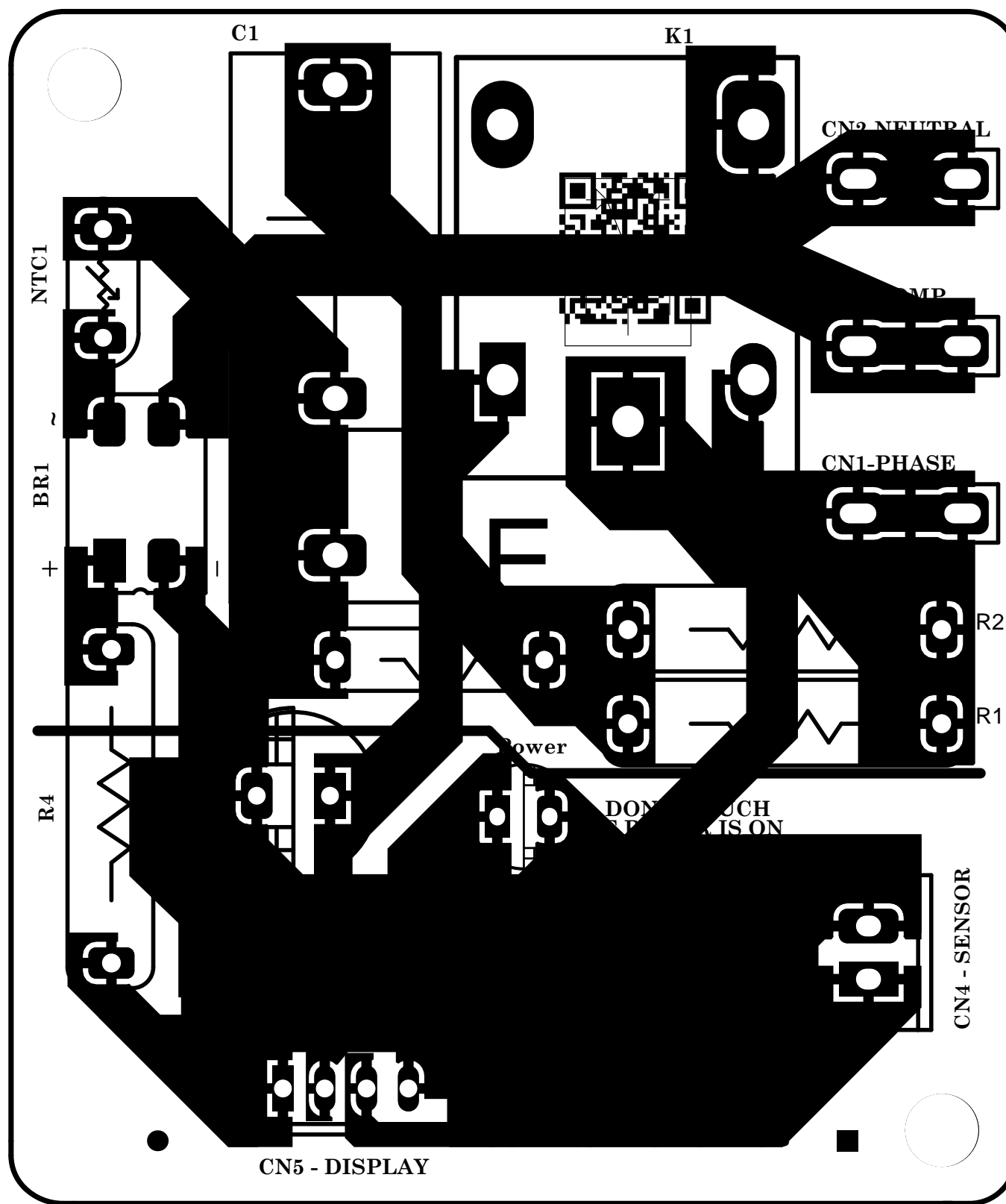


#	Designator	LibRef	Description	Footprint	Comment	Quantity
1	BR1	Bridge Rectifier	BRIDGE RECT 1P 600V 500MA 4SOIC, ON-SEMICONDUCTOR	BR_SMD_MB6S	MB6S	1
2	C1	Capacitor Non-Polar	684K310V P=15 18*9.5*15.5 Climate-category: 40/110/56	C_X2_18X10X15.8_P15	MKP X2, 68uF	1
3	C2	Capacitor Polar	08*11mm 3.5mm Pitch	C_Radial_P3.5	220uF 25VDC 20%	1
4	C3	Capacitor Non-Polar	0805 Multilayer Ceramic Capacitors	C_0805	0.1uF 16V 10%	1
5	CN1-PHASE, CN2-NEUTRAL, CN3-COMP	Connector_1PIN	4.8mm TAB, 0.8mm thickness	CN_Tab Terminal 187 series (Right Angle)	187 Series RA TAB	3
6	CN4 - SENSOR	Connector_2PINs	2PinS, 2.5mmPitch, 180° Wafer, White ; DIP	CN_B2B-XH-A_WHITE	A2512WV-XP	1
7	CN5 - DISPLAY	Connector_4PINs	4PinS, 2mmPitch, 180° Wafer, White ; DIP	CN_4P_A2001WV-XP-180DEG	A2001WV-XP	1
8	D1	Diode	BAS19, SOT-23-3	D_SOT-23-3_200mA	I=200mA	1
9	K1	Relay	Zentler AZ943-1CH-12DE	K_15ARelay_AZ943-1CH-12DE	12VDC, 15A	1
10	NTC1	Thermistor	5mmPitch	NTC_5mmPitch	16D-7	1
11	Power	LED	03*5mm, 2.5mmPitch	LED_3x5_P2.5	RED, Vf=3.2V, 20mA	1
12	Q1	BJT_npn	BC847, SOT-23-3	Q_SOT-23-3_NPN_BC847	NPN 200mA	1
13	R1, R2	Resistor	Metal Oxide Film Resistor, Through Hole Axial, L=12, øD=5, H=28, ød=0.6, Flame Proof	R_Axial_P15	220Ω 2W 1%	2
14	R3	Resistor	Metal Oxide Film Resistor, Through Hole Axial, L=7, øD=2.5, H=28, ød=0.48, Flame Proof	R_Axial_P10	470KΩ 1/2W 1%	1
15	R4	Resistor	Metal Oxide Film Resistor, Through Hole Axial, L=10, øD=4, H=28, ød=0.5, Flame Proof	R_Axial_P15	33Ω 1W 1%	1
16	R5	Resistor	0805 Thick Film SMD Resistor	R_0805	1KΩ 1/8W 5%	1
17	R6	Resistor	0805 Thick Film SMD Resistor	R_0805	47KΩ 1/8W 5%	1
18	R7	Resistor	0805 Thick Film SMD Resistor	R_0805	4.7KΩ 1/8W 5%	1
19	ZD1	Zener Diode	DO-213AB (glass) (ZM4742A LL-41)	ZD_ZM4742A_LL-41	12V 1W 5%	1

Approved

22

Title PROJECT_W-F-FC-HX2X.PrjPcb		
Size A4	Number 1	Revision 1.1
Date: 09-Jan-20	Sheet of	
File: D:\RBM_JOB_MATERIALS_SCH_W-F-FC-HX2X_BASE.SchDoc	Drawn By: Raihan Bin Mofidul	



Component list

Bill of Materials for Project [PROJECT_W-F-FC-HX2X.PrjPcb] (No PCB Document Selected)

Source Data From:

Project:

Variant:

PROJECT_W-F-FC-HX2X.PrjPcb

PROJECT_W-F-FC-HX2X.PrjPcb

None



Report Date:

09-Jan-20

9:09 AM

Print Date:

09-Jan-20

9:09:18 AM

#	Designator	LibRef	mn Name Error? Manufacturer	Description	Footprint	Library Name	Comment	Quantity
1	BR1	Bridge Rectifier		BRIDGE RECT 1P 600V 500MA 4SOIC, ON SEMICONDUCTOR	BR_SMD_MB6S	RBM_SCH-LIB_02-SEP-19.SchLib	MB6S	1
2	C1	Capacitor Non-Polar		684K310V P1518 9.5 15.5Cilmale	C_X2_18X10X15.8_P15	RBM_SCH-LIB_02-SEP-19.SchLib	MKP X2.68uF	1
3	C2	Capacitor Polar		08*11mm 3.5mm Pitch	C_Radial_P35	RBM_SCH-LIB_02-SEP-19.SchLib	220uF 25VDC 20%	1
4	C3	Capacitor Non-Polar		0805 Multilayer Ceramic Capacitor	C_0805	RBM_SCH-Lib_16-Apr-19.SchLib	0.1uF 16V 10%	1
5	CN1-PHASE, CN2-NEUTRAL, CN3-COMPR	Connector_1PIN		4.8mm TAB, 0.8mm thickness	CN_Tab Terminal 187 series (Right Angle)	RBM_SCH-LIB_02-SEP-19.SchLib	187 Series RA TAB	3
6	CN4 - SENSOR	Connector_2PINs		2PinS, 2.5mmPitch, 180° Wafer, White; DIP	CN_B2B-XH-A_WHITE	RBM_SCH-Lib_16-Apr-19.SchLib	A2512WV.xP	1
7	CN5 - DISPLAY	Connector_4PINs		4PinS, 2mmPitch, 180° Wafer, White; DIP	CN_4P_A2001WV.XP-180DEG	RBM_SCH-LIB_02-SEP-19.SchLib	A2001WV.xP	1
8	D1	Diode		BAS19, SOT-23-3	D_SOT-23-3_200mA	RBM_SCH-LIB_02-SEP-19.SchLib	If=200mA	1
9	K1	Relay		Zettler AZ943-1CH-12DE	K_15ARelay_AZ943-1CH-12DE	RBM_SCH-Lib_16-Apr-19.SchLib	12VDC, 15A	1
10	NTC1	Thermistor		5mm Pitch	NTC_5mmPitch	RBM_SCH-LIB_02-SEP-19.SchLib	16D-7	1
11	Power	LED		Φ3*5mm, 2.5mm Pitch	LED_3x5_P25	RBM_SCH-LIB_02-SEP-19.SchLib	RED_Vf=3.2V, 20mA	1
12	Q1	BJT_npn		BC847, SOT-23-3	Q_SOT-23-3_NPN_BC847	RBM_SCH-Lib_16-Apr-19.SchLib	NPN200mA	1
13	R1, R2	Resistor		Metal Oxide Film Resistor, Through Hole	R_Axial_P15	RBM_SCH-LIB_02-SEP-19.SchLib	220Ω 2W 1%	2
14	R3	Resistor		Metal Oxide Film Resistor, Through Hole	R_Axial_P10	RBM_SCH-LIB_02-SEP-19.SchLib	470KΩ 1/2W 1%	1
15	R4	Resistor		Metal Oxide Film Resistor, Through Hole	R_Axial_P15	RBM_SCH-LIB_02-SEP-19.SchLib	33Ω 1W 1%	1
16	R5	Resistor		0805 Thick Film SMD Resistor	R_0805	RBM_SCH-Lib_16-Apr-19.SchLib	1KΩ 1/8W 5%	1
17	R6	Resistor		0805 Thick Film SMD Resistor	R_0805	RBM_SCH-Lib_16-Apr-19.SchLib	47KΩ 1/8W 5%	1
18	R7	Resistor		0805 Thick Film SMD Resistor	R_0805	RBM_SCH-Lib_16-Apr-19.SchLib	4.7KΩ 1/8W 5%	1
19	ZD1	Zener Diode		DO-213AB (glass) (ZM4742ALL-41)	ZD_ZM4742ALL-41	RBM_SCH-LIB_02-SEP-19.SchLib	12V 1W 5%	1

Approved	Notes	22