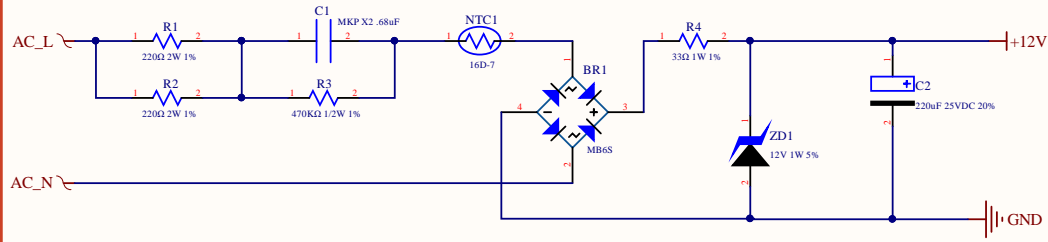


## PCB Tab Terminal Connectors

CN1-PHASE  
187 Series RA TAB  
AC\_LCN2-NEUTRAL  
187 Series RA TAB  
AC\_NCN3-COMP  
187 Series RA TAB  
AC\_M

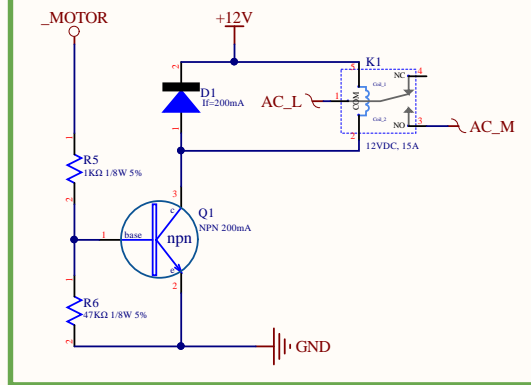
## Linear Adapter



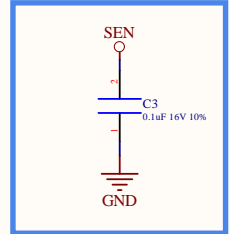
## DC Connectors

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

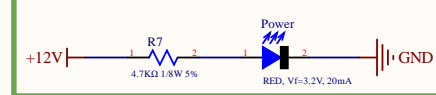
## COMPRESSOR



## 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_15A Relay_AZ943-1CH-12DE	12VDC, 15A	1
10	NTC1	Thermistor	5mm Pitch	NTC_5mmPitch	16D-7	1
11	Power	LED	03*5mm, 2.5mm Pitch	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	