Bill of Materials

PCB-mounted component

Ref	Qty	Value	Description
A1	1		Arduino Nano v3.x
C1	1	0.33 uF	Ceramic Capacitor
C2	1	0.1 uF	Ceramic Capacitor
D1, D3, D4, D5	4	1N5822	Diode
D2	1	10A10	Diode
J1, J2, J3, J12,			
J15-J22, J30	13	2-pin	JST-XH PCB-mount male connector
J4, J5, J6, J8	4	4-pin	JST-XH PCB-mount male connector
J9-J11, J14	4	3-pin	JST-XH PCB-mount male connector
			30A Id, 50V Vds, N-Channel Power MOSFET,
Q1, Q2, Q3, Q4	4	FQP30N06L	TO-220
R1, R10, R12,			
R15, R16, R17	6	10k	Resistor
R2, R9, R11,		2025	D
R14	4	330R	Resistor
R3, R4, R5	3	1k2	Resistor
R6	1	1M	Resistor
R7, R8, R13,	1	4k7	Resistor
R20	4		
R18	1	1k	Resistor
R19	1	2k2	Resistor
U1	1	LM7808	Positive 1A 35V Linear Regulator, Fixed Output 8V, TO-220
OI .	1	LIVI7606	6V, 1O-220
			Additional Components
			GX12-2 panel-mount male connector w/
	1		matching female connector, power in
			GX12-3 panel-mount male connector w/
	3		matching female connector, temp sensors
	3		RCA Female panel-mount connectors
	3		Waterproof DS18B20 temperature sensors
	5		12-volt LEDs for power and heater status
			Temp/humidity sensor module: DHT11/21,
	1		HTU21D, AM2301
	1		1.3" 128x64 OLED display
			JST-XH female connectors and pins as needed

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Source

https://www.amazon.com/gp/product/B089YT6LFN

https://www.amazon.com/gp/product/B06XRT2YFV https://www.amazon.com/gp/product/B07SS7JDLN https://www.amazon.com/gp/product/B012C597T0 https://www.amazon.com/dp/B07M9YT8C8

https://www.ebay.com/itm/191464821805 https://www.ebay.com/itm/391731053045