

Part name	Description	Quantity	Price/unit	Total price	URL
1U box case	rack mount case	1	\$144	\$144	https://www.digikey.com/product-detail/en/hammond-manufacturing/RM1U1913VBK/HM1005-ND/2094742
1U front panel	front panel for case	1			[FPD file]
EX can panel	panel on granite block, used to connect seismometer and sensors	1			[FPD file]
16 gage wire	wire for connecting the sensors to box	1	\$81.50	\$81.50	https://www.grainger.com/product/20PY31?cm_mmc=PPC:+Google+PLA&s_kwid=AL1296613150916775557!!gl937126268371&ef_id=WwMhWwAAAHp6aVjc:20180525185649:s
BNC cable	2 wires for temp sensors, 1 for DAC output, 1 for voltage readback	4	N/A	N/A	[find in lab]
Heater circuit PCB	PCB for heater circuit layout	1			[Eagle layout]
Temp sensor PCB	PCB for temperature sensors	2			[Eagle layout]
Rack screws	used to attach the 1U box to rack. 10-32 size	4	\$14 for 25 cage nuts with screws		https://www.racksolutions.com/rack-hardware.html
BNC connectors	connect to ADC/DAC. must have plastic backs as to not ground to box	4	\$2.36	\$9.44	https://www.alliedelec.com/amphenol-rf-031-10-rfx/70142921/
Switch	on/off switch that lights up when on	1	\$1.55	\$1.55	https://www.mouser.com/ProductDetail/E-Switch/R5ABLKBLKFF0?qs=HrqAcaC9xK6QTHA83RBHsA%3D%3D&qclid=EAlaIqobChMlqp_WsYGs2wIVCv5kCh2c6wk-EAkYASABEgKm4PD_BwE
Power cable connector	use to attach power cable to back of 1U box (3-pin)	1			not sure what these are called but they're green and have insertible pins
Power cable	provides +/- 24V to the 1U box	1			[already made]
Parts for electronics					
Heat sink	used to keep the MOSFET from overheating	1	\$2.67	\$2.67	https://power.sager.com/m-c421-5248929.html?utm_source=googlemerchant&utm_medium=click&utm_campaign=power-brand&qclid=EAlaIqobChMlZq2qhlKs2wIVA9NkCh32cghDEAkYASABEgLD_D_BwE