

Qty	Description	Manufacturer	Manufacturer PN	Vendor	Vendor PN	Cost	Notes
1	Enclosure, NEMA 4X, 6.732" L x 4.764" W x 2.165" D, Plastic, Gray Body, Clear Cover	Bud Industries	PN-1324-CMB	DigiKey	<a href="#">377-1892-ND</a>	\$20.70	
1	Faceplate, Acrylic, Custom	TinkerMill					
1	Light Pipe, Round Domed, Clear, Diffused, 3mm Dia, 0.25" Length	Visual Communications Company	LFB025CTP	DigiKey	<a href="#">LFB025CTP-ND</a>	\$0.36	
1	Raspberry Pi 3 B	Raspberry Pi Foundation	Pi 3 B				Used existing Pi, not a Pi 3B+
1	Memory Card, microSD, 16GB, Class 10	SanDisk	SDSQUAR-016G-GN6MA	Amazon	<a href="#">SDSQUAR-016G-GN6MA</a>	\$6.19	
1	TinkerAccess Hat, v1.4	TinkerMill					
1	LCD, 16x2 Basic, Black on Green, 3.3V	SparkFun	LCD-09053	SparkFun	<a href="#">LCD-09053</a>	\$16.95	
1	LCD I2C Backpack	HiLetgo	03-01-1980	Amazon	<a href="#">03-01-1980</a>	\$5.95	
1	Adapter, Qwiic	SparkFun	DEV-14495	SparkFun	<a href="#">DEV-14495</a>	\$1.50	Needs to be soldered to LCD I2C and power pins
1	Cable, Qwiic, 200mm	SparkFun	PRT-14428	SparkFun	<a href="#">PRT-14428</a>	\$1.50	Connects LCD to TinkerAccess Hat
1	Switch, Pushbutton, Red, SPDT, Momentary	C&K	PNP8S3D2C03QE	Mouser	<a href="#">611-PNP8S3D2C03QE</a>	\$8.00	
4	Machine Screw, Nylon, Pan Head, Phillips, #2-56 x 1/2"	B&F Fastener Supply	NY PMS 256 0050 PH	DigiKey	<a href="#">H534-ND</a>	\$0.09	Mounting LCD to Faceplate
4	Round Spacer, Nylon, 3/16" Dia, #2, 3/16"	Bivar Inc	9913-187	DigiKey	<a href="#">492-1043-ND</a>	\$0.04	Between LCD and Faceplate
4	Hex Nut, Nylon, #2-56	Essentra Components	0400256HN	DigiKey	<a href="#">RPC7088-ND</a>	\$0.06	Mounting LCD to Faceplate
4	Machine Screw, Nylon, Pan Head, Phillips, #4-40 x 3/8"	B&F Fastener Supply	NY PMS 440 0038 PH	DigiKey	<a href="#">H544-ND</a>	\$0.09	Mounting Faceplate to Enclosure Standoff
4	Hex Standoff, Aluminum, 1/4" Hex, Male-Female #4-40, 1-1/4" Length	Keystone	8407	DigiKey	<a href="#">36-8407-ND</a>	\$1.02	Between Faceplate and Enclosure
4	Machine Screw, Nylon, Pan Head, Phillips, #4-40 x 1/4"	B&F Fastener Supply	NY PMS 440 0025 PH	DigiKey	<a href="#">H542-ND</a>	\$0.09	Mounting Faceplate to PCB Standoff
4	Hex Standoff, Aluminum, 3/16" Hex, Male-Female #4-40, 1/4" Length	RAF Electronic Hardware	4501-440-AL	DigiKey	<a href="#">1772-1230-ND</a>	\$0.29	Between TinkerAccess Hat and Faceplate
4	Hex Standoff, Aluminum, 3/16" Hex, Male-Female #4-40, 5/8" Length	RAF Electronic Hardware	4507-440-AL	DigiKey	<a href="#">1772-1206-ND</a>	\$0.56	Between TinkerAccess Hat and Raspberry Pi
4	Hex Nut, Nylon, #4-40, 1/4"	B&F Fastener Supply	NY HN 440	DigiKey	<a href="#">H616-ND</a>	\$0.11	Mounting Raspberry Pi to PCB Standoff
						\$70.53	

# Contactor Enclosure

Qty	Description	Manufacturer	Manufacturer PN	Vendor	Vendor PN	Cost	Notes
1	Enclosure, NEMA 12, 8 x 8 x 4in (HxWxD), Mild Steel, Gray, Continuous Hinge, Screw-down Door Clamps	Hoffman Enclosures	A808CH	DigiKey	<a href="#">1441-1241-ND</a>	\$98.63	
1	Subpanel, Painted Steel, White, For use with 8x8 A808CH Enclosure	Hoffman Enclosures	A8P8	DigiKey	<a href="#">1441-1257-ND</a>	\$11.07	
1	Ground Bus Bar, 7 Terminal	Square D	PK7GTACP	Home Depot	<a href="#">578-169</a>	\$5.98	
1	DIN Rail, Slotted, 15mm, 5.5mm height, 1m length, Plated Steel. Pkg of 2	Konnect-It	DN-R15S1-2	Automation Direct	<a href="#">DN-R15S1-2</a>	\$9.50	
1	Terminal Block, Single-Level, Mini, Size 26 - 12 AWG, Gray, 20A, 300V Rated, 15mm DIN Rail Mount, Pkg of 25	Konnect-It	KN-M12GRY-25	Automation Direct	<a href="#">KN-M12GRY-25</a>	\$9.75	
1	Terminal Block End Cover, Gray, For use with KN-M12 or KN-M10 Series Terminal Blocks, Pkg of 10	Konnect-It	KN-ECMGRY-10	Automation Direct	<a href="#">KN-ECMGRY-10</a>	\$4.00	
1	Terminal Block End Bracket, Sanp-On Type, 8mm Wide, For use with 15mm DIN Rail, Pkg of 10	Konnect-It	KN-EB5-10	Automation Direct	<a href="#">KN-EB5-10</a>	\$5.50	
1	Contactor, WDP Series Definite Purpose, 3 Pole, 230VAC Coil, 32A	Worldwide Electric	WDP30-3L-230	Automation Direct	<a href="#">WDP30-3L-230</a>	\$14.50	
1	Solid State Relay, SPST-NO, 3-32 VDC Input, 40A / 24-380 VAC Load	SparkFun	COM-13015	SparkFun	<a href="#">COM-13015</a>	\$9.95	
1	TVS Diode, Coil Surge Suppressor, Bidirectional, 600W, 376V Standing Voltage	Littelfuse	P6KE440CA	DigiKey	<a href="#">P6KE440CALFCT-ND</a>	\$0.71	
1	Power Supply, 15W, 5V/3A Output, 85 - 264VAC Input	Mean Well	RS-15-5	DigiKey	<a href="#">1866-4133-ND</a>	\$9.43	
1	Current Transformer, 2000:1 turn ratio, 30A	Echun	ECS1030-L72	SparkFun	<a href="#">SEN-11005</a>	\$9.95	
1	Resistor, 1K, 1%, 1/4W, Axial	Stackpole Electronics Inc	RNF14FTD1K00CT-ND	DigiKey	<a href="#">RNF14FTD1K00CT-ND</a>	\$0.10	
						\$189.07	