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	377-1892-ND	$22.20	
1	Faceplate, Acrylic, Custom	TinkerMill					
1	Light Pipe, Round Domed, Clear, Diffused, 3mm Dia, 0.25" Length	Visual Communications Company	LFB025CTP	DigiKey	LFB025CTP-ND	$0.71	
1	Raspberry Pi 3 B	Raspberry Pi Foundation	Pi 3 B				
1	Memory Card, microSD, 16GB, Class 10	SanDisk	SDSQUAR-016G-GN6MA	Amazon	SDSQUAR-016G-GN6MA	$9.14	
1	TinkerAccess Hat, v1.4	TinkerMill					
1	LCD, 16x2 SerLCD, Black on RGB, 3.3V	SparkFun	LCD-14072	SparkFun	LCD-14072	$19.95	
1	Adapter, Qwiic	SparkFun	DEV-14495	SparkFun	DEV-14495	$1.50	Needs to be soldered to LCD I2C and power pins
1	Cable, Qwiic, 200mm	SparkFun	PRT-14428	SparkFun	PRT-14428	$1.50	Connects LCD to TinkerAccess Hat
1	Switch, Pushbutton, Red, SPDT, Momentary	C&K	PNP8S3D2C03QE	Mouser	611-PNP8S3D2C03QE	$12.40	
4	Machine Screw, Nylon, Pan Head, Phillips, #2-56 x 1/2"	B&F Fastener Supply	NY PMS 256 0050 PH	DigiKey	H534-ND	$0.20	Mounting LCD to Faceplate
4	Round Spacer, Nylon, 3/16" Dia, #2, 3/16"	Bivar Inc	9913-187	DigiKey	492-1043-ND	$0.10	Between LCD and Faceplate
4	Hex Nut, Nylon, #2-56	Essentra Components	0400256HN	DigiKey	RPC7088-ND	$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	H544-ND	$0.22	Mounting Faceplate to Enclosure Standoff
4	Hex Standoff, Aluminum, 1/4" Hex, Male-Female #4-40, 1-1/4" Length	Keystone	8407	DigiKey	36-8407-ND	$1.02	Between Faceplate and Enclosure
8	Machine Screw, Nylon, Pan Head, Phillips, #4-40 x 1/4"	B&F Fastener Supply	NY PMS 440 0025 PH	DigiKey	H542-ND	$0.17	Mounting Faceplate and Raspberry Pi to PCB Standoffs
4	Hex Standoff, Aluminum, 3/16" Hex, Male-Female #4-40, 1/4" Length	RAF Electronic Hardware	4501-440-AL	DigiKey	1772-1230-ND	$0.27	Between TinkerAccess Hat and Faceplate
4	Hex Standoff, Aluminum, 3/16" Hex, Female-Female #4-40, 5/8" Length	RAF Electronic Hardware	2059-440-AL	DigiKey	1772-1000-ND	$0.29	Between TinkerAccess Hat and Raspberry Pi
						$77.40	

Qty	Description	Manufacturer	Manufacturer PN	Vendor	Vendor PN	Cost	Notes
1	Enclosure, NEMA 3R/4/12/13, 8 x 8 x 6in (HxWxD), Wall Mount, Carbon Steel, ANSI 61 Gray, Powder Coat Finish, Single-Door, Stainless Steel Clamps	Saginaw Control & Engineering	SCE-8086CHNF	Automation Direct	SCE-8086CHNF	$93.00	
1	Subpanel, Carbon Steel, White, Powder Coat Finish. For use with SCE-808xCHNFxx Enclosures	Saginaw Control & Engineering	SCE-8P8	Automation Direct	SCE-8P8	$7.25	
1	Contactor, CWC Series, 3 Pole, 208-240VAC Coil, 22A Inductive Load, 32A Resistive Load	WEG Electric	CWC025-00-30V24	Automation Direct	CWC025-00-30V24	$23.00	
1	Auxiliary Contact, front mount, (1) N.O./(1) N.C. contact(s), 10A @ 240 VAC, For use with any 3-pole CWC025 series miniature contactor	WEG Electric	BFC025-11	Automation Direct	BFC025-11	$5.00	
1	Varistor, Coil Surge Suppressor, 130-275 VAC/180-300 VDC, For CWC07 to CWC025 Contactor	WEG Electric	VRC0-3E50	Automation Direct	VRC0-3E50	$4.00	
1	Solid State Relay, SPST-NO, 3-32 VDC Input, 25A / 24-280 VAC Load	LCTC	LCDS2548ZD3	Amazon	LCDS2548ZD3	$20.00	
1	Power Supply, 15W, 5V/3A Output, 85 - 264VAC Input	Mean Well	MDR-20-5	DigiKey	1866-1037-ND	$20.35	
1	DIN Rail, Slotted, 35mm, 7.5mm height, 1m length, Plated Steel. Pkg of 2	Konnect-It	DN-R35S1-2	Automation Direct	DN-R35S1-2	$12.50	
1	Terminal Block, Single-Level, Size 26 - 12 AWG, Gray, 20A, 600V Rated, 35mm DIN Rail Mount, Pkg of 100	Konnect-It	KN-T12GRY-100	Automation Direct	KN-T12GRY-100	$11.00	
1	Terminal Block, Grounding, Single-Level, Size 26 - 12 AWG, Green/Yellow, 35mm DIN Rail Mount, Pkg of 10	Konnect-It	KN-G12SP-10	Automation Direct	KN-G12SP-10	$24.50	
1	Terminal Block End Bracket, Screw-Down Type, 10mm Wide, For use with 35mm DIN Rail, Pkg of 10	Konnect-It	KN-EB7-10	Automation Direct	KN-EB7-10	$9.75	
3	Machine Screw, Zinc Plated Steel, Pan Head, Phillips, M6x1 x 6mm	Bolt Depot	17923	Bolt Depot	17923	$0.16	35mm DIN Rail
						$230.83	