

PCB
External

Component in AUT Altium
Package In AUT Altium
Not in AUT Altium
Pitch in Altium

ordered

	Component	Part Number	Package	Store	Cost (each)	Quantity (per circuit)	Quantity (Spares)	Quantity (Total)	Cost (Total)
2	Triac	BT41-700BRG	TOP-3	RS	\$ 11.57	1	1	2	\$ 23.14
1	Heatsink	PA-T21-38E	Through hole	Digi Key	9.53	1		1	\$ 9.53
5	Phototriac	MOC3043M	DIP-6	RS	\$ 1.59	1		1	\$ 1.59
1	AC/DC PSU	MP-LDE45-20B05	Through Hole	Element 14	\$ 22.78	1		1	\$ 22.78
1	Switch	SX8111681G000000		RS	\$ 5.89	1		1	\$ 5.89
3	Varistor	B72214S0351K101	Disc 14mm Through hole, 7.5mm	Digi Key	\$ 0.83	1		1	\$ 0.83
5	TVS Diode	SMBJ7.0CA	DO-214AA, SMB	Digi Key	\$ 0.58	1		1	\$ 0.58
10	Capacitor (Ceramic)	08053D105KAT2A	~0805	RS	\$ 0.37	1	9	10	\$ 3.70
3	Capacitor (Electrolytic)	EEV-FK1V681Q	Surface mount, 1313	Digi Key	1.98	1		1	\$ 1.98
	Resistor	ERJ-P06J391V	Surface mount 0805, 390 ohms	Digi Key	0.19	2	8	10	\$ 1.90
	Resistor	KTR25JZPF3900	Surface mount 1210, 390 ohms	Digi Key	0.7	2		2	\$ 1.40
10	Resistor	CRGP2010F390R	Surface mount 2010, 390 ohms	Digi Key	0.874	2	8	10	
10	Resistor	ERJ-P06J241V	Surface mount 0805, 240 ohms	Digi Key	0.19	2	8	10	\$ 1.90
5	Fuse	~0001.1016	Cartridge, 20mm x 5mm	Digi Key	\$ 1.06	1		1	\$ 1.06
10	Fuse	563-621	Cartridge, 20mm x 5mm	RS	\$ 0.27	1	9	10	\$ 2.72
4	Fuseholder	732-11371-ND	J-lead, surface mount	Digi Key	\$ 2.95	2		2	\$ 5.90
	Relay driver	MDC3105DMT1G	SC-74	Digi Key	\$ 0.76	1		1	\$ 0.76
4	Relay	G5PZ-1A DC5	Through Hole	Digi Key	\$ 3.29	2		2	\$ 6.58
	Jug Cord	311-9337		RS	\$ 15.30	0		0	\$ -
	Mains Connector	100L15GY		RS	\$ 7.14	0		0	\$ -
2	Jug Cord Connector	776-9135		RS	\$ 2.06	1		1	\$ 2.06
6	Terminal block	1935174	Through Hole, 5mm	Digi Key	\$ 1.03	3		3	\$ 3.09
	Terminal block	282845-3	Through hole, 7.62mm	Digi Key	3				
								Total	\$ 97.39

Changes

	Resistor	ERJ-P06J391V	Surface mount 1206, 390 ohms	Digi Key	0.19	2	8	10	\$ 1.90
	Resistor	ERJ-P06J241V	Surface mount 1206, 240 ohms	Digi Key	0.19	1	9	10	\$ 1.90
5	Relay driver	NUD3124DMT1G	SC-74	Digi Key	\$ 0.75	1	4	5	\$ 3.74
	Push Button	RP3502ABLK	Panel mount	Digi Key	\$ 3.00	1		1	\$ 3.00
2	LED Push Button	LP10A1AB	Panel mount	Digi Key	\$ 3.37	1	1	2	\$ 6.74
	Molex Male 2 pin	~0022272021	2.54mm pitch	Digi Key	\$ 0.37	1	9	10	\$ 3.71
20	Molex Male 3 pin	~0022272031	2.54mm pitch	Digi Key	\$ 0.56	6	14	20	\$ 11.12
10	Molex Male 4 pin	~0022272041	2.54mm pitch	Digi Key	\$ 0.61	3	7	10	\$ 6.07
	Molex Female 2 pin	~0022012027	2.54mm pitch	Digi Key	\$ 0.14	1	9	10	\$ 1.41
20	Molex Female 3 pin	~0022012037	2.54mm pitch	Digi Key	\$ 0.22	6	14	20	\$ 4.32
	Molex F 3 pin ribbed	~0022013037							
10	Molex Female 4 pin	~0022012047	2.54mm pitch	Digi Key	\$ 0.27	3	7	10	\$ 2.70
	Molex F 4 pin ribbed	~0022013047							
	Molex connector crimp	~0008500113		Digi Key	\$ 0.06	40	60	100	\$ 6.23
100	Molex kk254 2759 crimp	~0008500114		Digi Key	0.1363	40	100		\$ -
10	kk254 pre crimp lead red 5" 24awg	~0008500113-05-R4		digikey	1.16	10	13		
10	kk254 pre crimp lead blk 5" 24awg	~0008500113-05-B4		digikey	1.16	9	11		

10	kk254 pre crimp lead ylw 10" 24awg	~0008500113-10-Y4	digikey	1.28	11				
10	kk254 pre crimp lead wht 6" 24awg	~0008500113-06-W4	digikey	1.18	5				
1	ESP32 dev board 38Pin	MOD0840	surplustronics	19.4					
	12 / 13 AWG Wire Black							\$	-
	12 / 13 AWG Wire Red							\$	-
	12 / 13 AWG Wire Green							\$	-
	10A Wall Socket							\$	-
	15A Wall Socket							\$	-
	24AWG cable for internal and extending servoes etc								
5	CABLE 3COND 24AWG BLACK 1M	30-00374	digi Key	3.22					
5	CABLE 4COND 24AWG BLACK 1M	30-00389	digikey	3.66					
1	Mains socket w/cover 15A	PS4097	jaycar	8.9					
1	Mains socket w/cover 10A	PS4095	jaycar	8.9					
								\$	-
6	3 Pin Connector Plug	SVP555-TR	Panel Mount - Servos	element 14	5A	\$	3.71	4	4 \$ 14.84
6	3 Pin Connector Cable	SVP556-TA	Cable - Servos	element 14	5A	\$	4.22	4	4 \$ 16.88
	3 Pin Connector Plug	FC684203	Panel Mount - Float	element 14	1A	\$	3.89	1	1 \$ 3.89
	3 Pin Connector Cable	FC684213	Cable - Float	element 14	1A	\$	4.20	1	1 \$ 4.20
	4 Pin Connector Plug	FC684204	Panel Mount - Sensors	element 14	1A	\$	4.44	3	3 \$ 13.32
	4 Pin Connector Cable	FC684214	Cable - Sensors	element 14	1A	\$	4.24	3	3 \$ 12.72
3	4 Pin Connector Plug	SVP555-TR-4P	e14			\$	4.08		
3	4 Pin Connector Cable	SVP556-TA-4P	e14			\$	3.77		\$ -
	female headers 19x2								\$ -
4	Header Female 1x19	PPTC191LFBN-RC	Digikey	2.15				2	2
	Mikes resistors 0805								
10	resistor 4.7k 1/8w	CRG0805F4K7	RES SMD 4.7K OHM 1% 1/8W 0805	Digikey			0.184	3	
10	resistor 10k 1/8w	CRG0805F10K/10	RES SMD 10K OHM 1% 1/8W 0805	digikey			0.184	2	
	valves?								
	Servos?								
	heat shrink?								
	Splices?								