

Mouser

Descripción	Etiquetas	Distribuidor	# de Parte de Distribuidor	Cantidad	Precio Unitario	Precio Total
Capacitor, 0402, X5R, 10 V, Low ESR	C1-2, C7, C12, C14	Johanson Dielectrics Inc	100R07X105KV4T	5	0.28	1.4
Capacitor, 10 pF, 50 V, 5%, NPO/COG, 0402	C25-26, C31-32	Murata	GRM1555C1H100JZ01D	4	0.1	0.4
Capacitor, 24 pF, 50 V, 5%, NPO/COG, 0402	C28-29	TDK	C1005C0G1H240J	2	0.1	0.2
Capacitor, 0.01 µF 25 V, 10% 0402 X7R	C3, C5, C8, C15, C18-19, C21	Taiyo Yuden	TMK105B7103KV-F	7	0.1	0.7
Capacitor, 0.1 µF 16 V, 10% 0402 X7R	C4, C6, C10-11, C17, C20, C23-24	Taiyo Yuden	EMK105B7104KV-F	8	0.1	0.8
Capacitor, 2.2 µF, 16 V, 10%, 0603, X5R	C9, C22	Murata	GRM188R61C225KE15D	2	0.21	0.42
LED, Tri-Color RGB, 0404 SMD Common Anode	D1	Everlight	18-038/RSGHBHC1-S02/2T	1		0
Diode, Dual Schottky, SC70, BAS70 Common Cathode	D2	Diodes Inc	BAS70W-05-7-F	1	0.44	0.44
LED, Green 565 nm, Clear 0805 SMD	D4	Lite-On	LTST-C171GKT	1	0.26	0.26
Header, 1x2, 0.100, T-Hole, Vertical Unshrouded, 0.220 Mate	H24	3M	961102-6404-AR	1	0.22	0.22
Jumper, 0.100, Gold, Black, Closed	H25	Sullins	SPC02SYAN	1		0
Header, 2x10, T-Hole Vertical unshrouded stacking	J1, J4	Samtec	SSW-110-23-S-D	2	5.48	10.96
USB Connectors Micro B Recept RA SMT BTTM MNT	J9, J11	Hirose	ZX62-B-5PA	2	0.61	1.22
NPN SC70 pre-biased	Q1-3	Diodes Inc	DTC114EET1G	3	0.18	0.54

Resistor, 0 Ω 1/10W 0603 SMD	R1-2, R9-16, R20, R26	Panasonic	ERJ-3GEY0R00V	12	0.1	1.2
Resistor, 330 Ω , 1/10W, 5%, 0402	R3-5, R8, R27	Yageo	RC0402FR-07330RL	5	0.1	0.5
Resistor, 10 k Ω , 1/10W, 5%, 0402 Thick Film	R,6 R17-19, R21-23, R28	Yaego	RC0402FR-0710KL	8	0.1	0.8
Resistor, 1 M Ω 1/10W, 5%, 0402	R7, R31	R Ω	MCR01MRTF1004	2	0.1	0.2
Switch, Tact 6 mm SMT, 160gf	RESET SW1, SW2	Omron	B3S-1000	3	0.7	2.1
Switch, DPDT, SMT 300 mA \times 2 at 6V	SW3	C K Components	JS202011SCQN	1	0.52	0.52
Stellaris MCU LM4F120H5QRFIGA3	U1, U2	Texas Instruments	LM4F120H5QRFIG	2		0
IC, Single Voltage Supervisor, 5 V, DBV	U4	Texas Instruments	TLV803MDBZR	1	0.8	0.8
Regulator, 3.3 V, 400 mA, LDO	U8	Texas Instruments	TPS73633DRBT	1	2.87	2.87
Crystal, 32.768 kHz Radial Can	Y1	Abracon	AB26TRB-32.768KHZ- T	1	0.65	0.65
Crystal, 16.00 MHz 5.0x3.2mm	Y2, Y5	Abracon	ABM3-16.000 MHz-B2- T	2		0
Capacitor, 0.1 μ F 16 V, 10% 0402 X7R	C13, C34	Taiyo Yuden	EMK105B7104KV-F	2	0.1	0.2
Resistor, 330 Ω , 1/10W, 5%, 0402	R24	Yaego	RC0402FR-07330RL	1	0.1	0.1
Resistor, 0 Ω 1/10W 0603 SMD	R30	Panasonic	ERJ-3GEY0R00V	1	0.1	0.1
Total						27.6

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Capacitor, 0402, X5R, 10 V, Low ESR	C1-2, C7, C12, C14	Johanson Dielectrics Inc	100R07X105KV4T	5	0.28	1.4
Capacitor, 10 pF, 50 V, 5%, NPO/COG, 0402	C25-26, C31-32	Murata	GRM1555C1H100JZ01D	4	0.1	0.4
Capacitor, 24 pF, 50 V, 5%, NPO/COG, 0402	C28-29	TDK	C1005C0G1H240J	2	0.1	0.2
Capacitor, 0.01 µF 25 V, 10% 0402 X7R	C3, C5, C8, C15, C18-19, C21	Taiyo Yuden	TMK105B7103KV-F	7	0.1	0.7
Capacitor, 0.1 µF 16 V, 10% 0402 X7R	C4, C6, C10-11, C17, C20, C23-24	Taiyo Yuden	EMK105B7104KV-F	8	0.1	0.8
Capacitor, 2.2 µF, 16 V, 10%, 0603, X5R	C9, C22	Murata	GRM188R61C225KE15D	2	0.21	0.42
LED, Tri-Color RGB, 0404 SMD Common Anode	D1	Everlight	18-038/RSGHBHC1-S02/2T	1		0
Diode, Dual Schottky, SC70, BAS70 Common Cathode	D2	Diodes Inc	BAS70W-05-7-F	1	0.39	0.39
LED, Green 565 nm, Clear 0805 SMD	D4	Lite-On	LTST-C171GKT	1	0.26	0.26
Header, 1x2, 0.100, T-Hole, Vertical Unshrouded, 0.220 Mate	H24	3M	961102-6404-AR	1	0.22	0.22
Jumper, 0.100, Gold, Black, Closed	H25	Sullins	SPC02SYAN	1	0.1	0.1
Header, 2x10, T-Hole Vertical unshrouded stacking	J1, J4	Samtec	SSW-110-23-S-D	2	5.75	11.5
USB Connectors Micro B Recept RA SMT BTM MNT	J9, J11	Hirose	ZX62-B-5PA	2	0.84	1.68
NPN SC70 pre-biased	Q1-3	Diodes Inc	DTC114EET1G	3	0.19	0.57

Resistor, 0 Ω 1/10W 0603 SMD	R1-2, R9-16, R20, R26	Panasonic	ERJ-3GEY0R00V	12	0.1	1.2
Resistor, 330 Ω , 1/10W, 5%, 0402	R3-5, R8, R27	Yageo	RC0402FR-07330RL	5	0.1	0.5
Resistor, 10 k Ω , 1/10W, 5%, 0402 Thick Film	R6, R17-19, R21-23, R28	Yageo	RC0402FR-0710KL	8	0.1	0.8
Resistor, 1 M Ω 1/10W, 5%, 0402	R7, R31	R Ω	MCR01MRTF1004	2	0.1	0.2
Switch, Tact 6 mm SMT, 160gf	RESET SW1, SW2	Omron	B3S-1000	3	0.7	2.1
Switch, DPDT, SMT 300 mA \times 2 at 6V	SW3	C K Components	JS202011SCQN	1	0.55	0.55
Stellaris MCU LM4F120H5QRFIGA3	U1, U2	Texas Instruments	LM4F120H5QRFIG	2		0
IC, Single Voltage Supervisor, 5 V, DBV	U4	Texas Instruments	TLV803MDBZR	1	0.79	0.79
Regulator, 3.3 V, 400 mA, LDO	U8	Texas Instruments	TPS73633DRBT	1	2.87	2.87
Crystal, 32.768 kHz Radial Can	Y1	Abracon	AB26TRB-32.768KHZ- T	1	0.37	0.37
Crystal, 16.00 MHz 5.0x3.2mm	Y2, Y5	Abracon	ABM3-16.000 MHz-B2- T	2		0
Capacitor, 0.1 μ F 16 V, 10% 0402 X7R	C13, C34	Taiyo Yuden	EMK105B7104KV-F	2	0.1	0.2
Resistor, 330 Ω , 1/10W, 5%, 0402	R24	Yageo	RC0402FR-07330RL	1	0.1	0.1
Resistor, 0 Ω 1/10W 0603 SMD	R30	Panasonic	ERJ-3GEY0R00V	1	0.1	0.1
Total						28.42

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Descripción	Etiquetas	Distribuidor	# de Parte de Distribuidor	Cantidad	Precio Unitario	Precio Total
Capacitor, 0402, X5R, 10 V, Low ESR	C1-2, C7, C12, C14	Johanson Dielectrics Inc	100R07X105KV4T	5	0.28	1.4
Capacitor, 10 pF, 50 V, 5%, NPO/COG, 0402	C25-26, C31-32	Murata	GRM1555C1H100JZ01D	4	0.1	0.4
Capacitor, 24 pF, 50 V, 5%, NPO/COG, 0402	C28-29	TDK	C1005C0G1H240J	2	0.1	0.2
Capacitor, 0.01 µF 25 V, 10% 0402 X7R	C3, C5, C8, C15, C18-19,	Taiyo Yuden	TMK105B7103KV-F	7	0.1	0.7
Capacitor, 0.1 µF 16 V, 10% 0402 X7R	C4, C6, C10-11, C17, C20,	Taiyo Yuden	EMK105B7104KV-F	8	0.101	0.808
Capacitor, 2.2 µF, 16 V, 10%, 0603, X5R	C9, C22	Murata	GRM188R61C225KE15D	2	0.198	0.396
LED, Tri-Color RGB, 0404 SMD Common Anode	D1	Everlight	18-038/RSGHBHC1-S02/2T	1		0
Diode, Dual Schottky, SC70, BAS70 Common Cathode	D2	Diodes Inc	BAS70W-05-7-F	1	0.04	0.04
LED, Green 565 nm, Clear 0805 SMD	D4	Lite-On	LTST-C171GKT	1	0.42	0.42
Header, 1x2, 0.100, T-Hole, Vertical Unshrouded, 0.220 Mate	H24	3M	961102-6404-AR	1	0.247	0.247
Jumper, 0.100, Gold, Black, Closed	H25	Sullins	SPC02SYAN	1		0
Header, 2x10, T-Hole Vertical unshrouded stacking	J1, J4	Samtec	SSW-110-23-S-D	2	7.38	14.76
USB Connectors Micro B Recept RA SMT BTTM MNT	J9, J11	Hirose	ZX62-B-5PA	2	0.499	0.998
NPN SC70 pre-biased	Q1-3	Diodes Inc	DTC114EET1G	3	0.177	0.531

Resistor, 0 Ω 1/10W 0603 SMD	R1-2, R9-16, R20, R26	Panasonic	ERJ-3GEY0R00V	12	0.116	1.392
Resistor, 330 Ω , 1/10W, 5%, 0402	R3-5, R8, R27	Yageo	RC0402FR-07330RL	5	0.019	0.095
Resistor, 10 k Ω , 1/10W, 5%, 0402 Thick Film	R,6 R17-19, R21-23, R28	Yaego	RC0402FR-0710KL	8	0.071	0.568
Resistor, 1 M Ω 1/10W, 5%, 0402	R7, R31	R Ω	MCR01MRTF1004	2	0.034	0.068
Switch, Tact 6 mm SMT, 160gf	RESET SW1, SW2	Omron	B3S-1000	3	0.747	2.241
Switch, DPDT, SMT 300 mA \times 2 at 6V	SW3	C K Components	JS202011SCQN	1	0.373	0.373
Stellaris MCU LM4F120H5QRFIGA3	U1, U2	Texas Instruments	LM4F120H5QRFIG	2		0
IC, Single Voltage Supervisor, 5 V, DBV	U4	Texas Instruments	TLV803MDBZR	1	1.18	1.18
Regulator, 3.3 V, 400 mA, LDO	U8	Texas Instruments	TPS73633DRBT	1		0
Crystal, 32.768 kHz Radial Can	Y1	Abracon	AB26TRB-32.768KHZ- T	1	0.402	0.402
Crystal, 16.00 MHz 5.0x3.2mm	Y2, Y5	Abracon	ABM3-16.000 MHz-B2- T	2		0
Capacitor, 0.1 μ F 16 V, 10% 0402 X7R	C13, C34	Taiyo Yuden	EMK105B7104KV-F	2	0.1	0.2
Resistor, 330 Ω , 1/10W, 5%, 0402	R24	Yaego	RC0402FR-07330RL	1	0.02	0.02
Resistor, 0 Ω 1/10W 0603 SMD	R30	Panasonic	ERJ-3GEY0R00V	1	0.11	0.11
Total						27.549