

Mounted

Designator	Part Detail	Qty	LCSC Part No.
C2,C3,C4	Multilayer Ceramic Capacitors MLCC - SMD/SMT 10uF 25V 0805 RoHS	3	C15850
CP1,CP2,CP3,CP4,CP5,CP6,CP7,CP8,CP9,CP10,CP13	Multilayer Ceramic Capacitors MLCC - SMD/SMT 100nF 50V 0603 RoHS	11	C14663
D1,D2,D3,D4,D5,D6	Light Emitting Diodes (LED) Blue 465~475nm 11.5~28.5mcd@5mA Top View 0603 RoHS	6	C72041
R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R38,R39	Chip Resistor - Surface Mount 1KOhms $\pm 1\%$ 1/10W 0603 RoHS	12	C21190
R20	Chip Resistor - Surface Mount 10KOhms $\pm 1\%$ 1/10W 0603 RoHS	1	C25804
R21,R22,R23,R24	Chip Resistor - Surface Mount 100KOhms $\pm 1\%$ 1/10W 0603 RoHS	4	C25803
R25	Chip Resistor - Surface Mount 3.3KOhms $\pm 1\%$ 1/10W 0603 RoHS	1	C22978
R26	Chip Resistor - Surface Mount 33KOhms $\pm 1\%$ 1/10W 0603 RoHS	1	C4216
R27,R28	Chip Resistor - Surface Mount 100Ohms $\pm 1\%$ 1/10W 0603 RoHS	2	C22775
R30,R31,R32,R33,R34,R35,R36,R37	Chip Resistor - Surface Mount 1KOhms $\pm 1\%$ 1/16W 0402 RoHS	8	C11702

Optional Parts

Designator	Part Detail	Qty	Other Part No.
C1	CAP CER 100UF 16V X5R 1210	1	EMK325ABJ107MM-T
SW18,SW19	SWITCH TACTILE SPST-NO 0.05A 12V	2	B3U-1000P-B
SW1	SWITCH SLIDE DIP SPST 25MA 24V	1	A6S-4104-H
U1	IC FF D-TYPE DUAL 1BIT 14SOIC	1	SN74HC74DR
U2,U3,U4,U5	IC 4BIT SYNC BINRY COUNTR 16SOIC	4	SN74HC161DR
U6,U7	IC MULTIPLEXER 2 X 4:1 16SOIC	2	SN74HC153DR
U8	IC GATE OR 4CH 2-INP 14SOIC	1	CD74HC32M96
U9	IC 4BIT BINARY FULL ADDER 16SOIC	1	CD74HC283M96
U10	IC GATE NAND 3CH 3-INP 14SOIC	1	SN74HC10DR
U13	IC INVERTER SCHMITT 6CH 14SOIC	1	CD74HC14M96

Not Included

Designator	Part Detail	Qty	Comment
JP1,SW20,SW21	Connector_PinHeader_1.27mm:PinHeader_1x03_P1.27mm_Vertical	3	Select switch
P1,P4	Socket_Arduino_Uno:Socket_Strip_Arduino_1x08	2	As you like
P2	Socket_Arduino_Uno:Socket_Strip_Arduino_1x06	1	As you like
P3	Socket_Arduino_Uno:Socket_Strip_Arduino_1x10	1	As you like
R1	Chip Resistor - Surface Mount 1KOhms $\pm 1\%$ 1/16W 0402 RoHS	1	DNP
TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,TP10,TP11,TP12,TP13,TP14,TP15,TP16,TP17,TP18	Measurement_Points:Measurement_Point_Round-TH_Small	18	As you like
U14	GL9D03M - Surface Mount Type Numeric LED	1	As you like