



R76  
R75 R72

R63 R60

R54 R51

R45 R42

R36 R33

R70  
C27

C1	R2
C5	R11
C8	R22
C11	R31
C14	R40
C17	R49
C20	R58
C23	R67
C22	R65
C19	R56
C16	R47
C13	R38
C10	R29
C7	R20
C4	R9
C2	R5

R27 R24  
R18 R13  
R15 R7

R74  
R66

R62  
R57

R71 C24  
R59 C21

R53  
R48

R50 C18  
R41 C15

R44  
R39

R32 C12  
R23 C9

R35  
R30

R12 C6  
R6 C3

R26  
R21

R17  
R10

R3  
R1

R73  
R64

R61  
R55

R52  
R46

R43  
R37

R34  
R28

R25  
R19

R16  
R8

R14  
R4

C26

R69

C25

R68

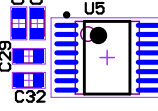
C29

C30

C28

C31

U5



Comment	Description	Designator	Footprint	Manufacturer	Manufacturer Part Number	Quantity	Supplier	Supplier Part Number
CAP 100nF 50V 0603(1608)	50V 10% 0603 (1608 Metric) SMD	C1, C2, C4, C5, C7, C8, C10, C11, C13, C14, C16, C17, C19, C20, C22, C23, C25, C26, C27, C28, C29, C30, C31, C32	0603-C			24		
CAP 10nF 50V 0603(1608)	50V 10% 0603 (1608 Metric) SMD	C3, C6, C9, C12, C15, C18, C21, C24	0603-C			8		
PWR	LED Uni-Color Green, 100 mW, 2-Pin SMD	DS1	LTST-C170GKT	Lite-On	LTST-C170GKT	1	Digikey	160-1179-1-ND
Header 1x10	CONN HEADER 10POS	J1, J2, J3, J4, J5, J6, J7, J8	PT 1,5/10-3,5-H	Phoenix Contact	1984691	8	Digikey	277-1727-ND
Box Header 26 Pin	Header, Through-hole, 2.54 mm, 26 Pin	J9	BOX HDR 2.54 2x13	On Shore Technology Inc.	302-S261	1	Digikey	ED10526-ND
3k6 1% 1206(3216)	0.25W 1% 1206 (3216 Metric) SMD	R1, R4, R8, R10, R19, R21, R28, R30, R37, R39, R46, R48, R55, R57, R64, R66	1206-R			16		
4k7 1% 0603(1608)	0.1W 1% 0603 (1608 Metric) SMD	R2, R5, R6, R9, R11, R12, R20, R22, R23, R29, R31, R32, R38, R40, R41, R47, R49, R50, R56, R58, R59, R65, R67, R71	0603-R			24		
1k 1% 0603(1608)	0.1W 1% 0603 (1608 Metric) SMD	R3, R14, R16, R17, R25, R26, R34, R35, R43, R44, R52, R53, R61, R62, R73, R74, R76	0603-R			17		
51k1 0.5% 0603(1608)	0.1W 0.5% 0603 (1608 Metric) SMD	R7, R13, R24, R33, R42, R51, R60, R72	0603-R			8		
48k7 0.5% 0603(1608)	0.1W 0.5% 0603 (1608 Metric) SMD	R15, R18, R27, R36, R45, R54, R63, R75	0603-R			8		
PTC 250mA	PTC 250mA 1206 (3216 Metric) SMD	R68, R69, R70	1206-R	Bel Fuse	0ZCJ0025AF2E	3	Digikey	507-1799-1-ND
PTS647	C&K PTS 647 Microminiature SMT Top Actuated Tactile Switch	RESET	CK-PTS647	C&K	PTS647 SM38 SMTR2 LFS	1	Digikey	PTS647SM38SM TR2LFSCT-ND
ARDUINO MEGA 2560	Arduino Mega 2560 Module	U1	Arduino Mega 2560 flipped			1		
TBD62783A	8channel source type DMOS transistor array	U2, U3, U4	DIP18	Toshiba	TBD62783APG	3	Digikey	TBD62785APG-ND
TRS232EIPW	Dual RS-232 Driver	U5	TI-PW16_N	TI	TRS202EIPW	1	Digikey	TRS202EIPW-ND