



ITEM #	Quantity	Part Reference	Description	Digikey_Number	Manuf	Manuf_PN	DNP	BOM_Comments
1	11	C1 C7 C8 C10 C11 C16 C17 C18 C19 C20 C21	CAPACITOR CERAMIC 0.1UF 10V X5R 0402	PCC2146CT-ND	PANASONIC	ECJ-0EB1A104K		
2	16	C2 C26 C27 C28 C29 C30 C31 C32 C33 C38 C39 C46 C49 C50 C51 C52	CAPACITOR CERAMIC 0.1UF 25V X7R 0603	PCC2277CT-ND	PANASONIC	ECJ-1VB1E104K		
3	3	C3 C4 C5	CAP CER 10UF 25V X5R 0805	490-5523-1-ND	MURATA ELECTRONICS	GRM21BR61E106KA73L		
4	7	C6 C9 C42 C43 C44 C45 C48	CAP ALUM 150UF 6.3V 20% SMD	493-3082-1-ND	NICHICON	PCG0J151MCL1G5		
5	2	C12 C15	CAPACITOR CERAMIC 18PF 50V 0402 SMD	PCC180CQCT-ND	PANASONIC	ECJ-0EC1H180J		
6	2	C13 C14	CAP CER 4.7UF 6.3V X5R 0402	490-5408-1-ND	MURATA ELECTRONICS	GRM155R60J475ME87D		
7	5	C22 C23 C24 C25 C40	CAP CER 10UF 16V X5R 0805	490-3886-1-ND	MURATA ELECTRONICS	GRM21BR61C106KE15L		
8	5	C34 C35 C36 C37 C47	CAPACITOR CERAMIC 1000PF 25V 0402	PCC102BQCT-ND	PANASONIC	ECJ-0EB1E102K		
9	1	C41	CAPACITOR CERAMIC 1.0UF 6.3V 20% X5R 040	490-1319-1-ND	MURATA ERIE	GRM155R60J105ME19D		
10	1	F1	PTC RESETTABLE SMD 1812 6V 3.0A	283-3166-1-ND	COOPER BUSSMANN	PTS18126V300		
11	1	FB1	FILTER CHIP 220 OHM 2A 0603	490-3992-1-ND	MURATA ELECTRONICS	BLM18EG2215N1D		
12	1	J1	CONN PWR JACK 2.5X5.5MM HIGH CUR 12V	CP-002BH-ND	CUI STACK	PJ-002BH		
13	7	J2 J3 J4 J5 J11 J15 J16	HEADER, 1 X 2, 0.1 INCH, VERTICAL	WM6402-ND	MOLEX	22-28-4020		
14	3	J6 J7 J8	HEADER, 1 X 3, 0.1 INCH, VERTICAL	WM6403-ND	MOLEX	22-28-4030		
15	1	J9	HEADER, 1 X 4, 0.1 INCH, VERTICAL	WM6404-ND	MOLEX	22-28-4040		
16	6	J10 J14 J17 J18 J19 J20	CONN RECEPT ULTRA-MINI COAX SMD	H9161CT-ND	HIROSE	U.FL-R-SMT(10)	J17 J18 J19 J20	
17	2	J12 J13	CONN HDR BRKWAY .100 26POS VERT	A34268-13-ND	TE CONNECTIVITY	9-146261-0-13		
18	1	J21	RECEPTACLE, USB, STYLE B, RIGHT ANGLE	A31725-ND	TYCO ELECTRONICS	292304-1	J21	
19	1	J22	RECEPTACLE, USB, STYLE A, STACKED	609-1040-ND	FCI	72309-8034BLF		
20	2	J23 J24	RECEPTACLE, USB, STYLE A, RIGHT ANGLE	609-1045-ND	FCI	87520-0010BLF	J23	
21	2	J25 J26	CONNECTOR RECEPT MICRO USB TYPE AB SMT	H11611CT-ND	HIROSE	ZX62RD-AB-5P8		If Hirose part not available Sub OK to use DX4R205JAR1800 or WM17143CT-ND
22	7	LED1 LED2 LED11 LED12 LED13 LED14 LED15	LED GREEN SMT	404-1005-1-ND	STANLEY	BG1111C-TR		
23	8	LED3 LED4 LED5 LED6 LED7 LED8 LED9 LED10	LED BLUE RECT CLEAR 0603	160-1837-1-ND	LITEON	LTST-C194TBKT		
24	5	R1 R46 R47 R51 R52	RESISTOR 100K OHM 1/10W 5% 0402 SMD	P100KJCT-ND	PANASONIC	ERJ-2GEJ104X		
25	1	R2	RESISTOR 2.21K OHM 1/10W 1% 0402 SMD	P2.21KLCT-ND	PANASONIC	ERJ-2RFK2211X		
26	17	R3 R4 R6 R7 R9 R10 R12 R14 R53 R54 R55 R56 R57 R58 R59 R60 R62	RESISTOR 330 OHM 1/16W 1% 0402 SMD	311-330LRCT-ND	YAGEO	RC0402FR-07330RL		
27	8	R5 R19 R21 R43 R44 R45 R48 R49	RESISTOR 1.0K OHM 1/16W 5% 0402 SMD	P1.0KJCT-ND	PANASONIC	ERJ-2GEJ102X		
28	1	R8	RESISTOR ZERO OHM 1/4W 5% 120E	311-0.0ERCT-ND	YAGEO	RC1206JR-070RL		
29	13	R11 R24 R25 R26 R27 R28 R29 R30 R31 R40 R41 R63 R64	RESISTOR ZERO OHM 1/16W 5% 0402 SMD	311-0.0JRCT-ND	YAGEO	RC0402JR-070RL	R24 R25 R26 R40	
30	5	R13 R15 R17 R18 R20	RESISTOR 10K OHM 1/16W 5% 0402 SMD	P10KJCT-ND	PANASONIC	ERJ-2GEJ103X		
31	1	R16	RES 267 OHM 1/16W 1% 0402 SMD	541-267LCT-ND	VISHAY-DALE	CRCW0402267RFKED		
32	1	R22	RESISTOR 1.00M OHM 1/16W 1% 0402 SMD	311-1.00MLRCT-ND	YAGEO	RC0402FR-071ML	R22	
33	1	R23	RESISTOR 12.0K OHM 1/16W 1% 0402 SMD	311-12.0KLRCT-ND	YAGEO	RC0402FR-0712KL		
34	1	R32	RESISTOR 82.0K OHM 1/10W 1% 0603 SMD	311-82.0KHRCT-ND	YAGEO	RC0603FR-0782KL		
35	5	R33 R35 R37 R39 R50	RESISTOR 33K OHM 1/10W 1% 0603	311-33.0KHRCT-ND	YAGEO	RC0603FR-0733KL		
36	1	R34	RESISTOR 68.0K OHM 1/10W 1% 0603 SMD	311-68.0KHRCT-ND	YAGEO	RC0603FR-0768KL		
37	1	R36	RESISTOR 56K OHM 1/10W 5% 0603 SMD	311-56KGRCT-ND	YAGEO	RC0603JR-0756KL		
38	1	R38	RESISTOR 47.0K OHM 1/10W 1% 0603 SMD	311-47.0KHRCT-ND	YAGEO	RC0603FR-0747KL		
39	1	R42	RESISTOR 100K OHM 1/10W 1% 0603 SMD	311-100KHRCT-ND	YAGEO	RC0603FR-07100KL		
40	1	R61	RESISTOR 330 OHM 1/16W 3300PPM 5% 0603	P330CHCT-ND	PANASONIC	ELA-V33J331V		
41	1	SW1	SWITCH TACTILE 6MM EXTEND ACT 160GF	EG1861-ND	E-SWITCH	TL1105SPF160Q		
42	1	SW2	SWITCH DIP 8POS HALF PITCH 24V	CKN9067-ND	C&K	TDA08H0SB1		
43	1	SW3	SW SLIDE DPDT 6VDC 0.3A PCMNT	401-2001-ND	C&K	JS202011CQN		
44	1	SW4	DIPSWITCH 2POS HALF PITCH SMT	CKN9064-ND	C&K	TDA02H0SB1		
45	4	TP1 TP2 TP3 TP4	TEST POINT LOOP COMPACT BLACK	5006K-ND	KEYSTONE	5006		
46	1	U1	IC REG LDO 3.3V 0.5A SOT223-3	TC1262-3.3VDBCT-ND	MICROCHIP	TC1262-3.3VDBTR		
47	1	U2	CONV DC/DC 6A 12VIN POL SIP	811-2179-ND	MURATA ELECTRONICS	OKR-T/6-W12-C		
48	1	U3	IC FLASH 64MBIT 80MHZ 8SOIC	SST25VF064C-80-4I-S3AE-ND	MICROCHIP	SST25VF064C-80-4I-S3AE		
49	1	U4	MICROCHIP 4640	CONSIGNED				
50	1	U5 U6 U7 U8 U9	MICROCHIP UCS8100X	CONSIGNED				
51	1	Y1	CRYSTAL HYBRID 24MHZ 6PF SMD	490-5575-1-ND	MURATA ELECTRONICS	XRCGB24M000F0L00R0		