

FOOTPRINT	MFG	MFG P/N	DESIGNATOR	DESCRIPTION	VENDOR	EQ OK	QUANTITY	
N/A	N/A	N/A	N/A	PCB	Advanced Circuits		1	
0603	Murata Electronics North America	GRM1885C1H200JA01D	C1, C2, C6, C7	CAP CER 20PF 50V 5% COG 0603	Mouser	y	4	
0603	Kemet	C0603C104K5RAC7411	C5, C8, C10, C11, C12, C15, C21, C26, C27, C28, C29, C31, C14	CAP CER 1UF 50V 10% X7R 0603	Mouser	y	13	
0603	Panasonic - ECG	ECJ-1VB1C473K	C4, C13	CAP 47000PF 16V CERM X7R 0603	Digikey	y	2	
0603	Panasonic - ECG	ECJ-1VB1C103K	C3, C30, CTERM	CAP 10000PF 16V CERM X7R 0603	Digikey	y	2	
0805	AVX	TAJR106M006R	C18	CAP TANT 10UF 6.3V 20% SMD	Mouser	y	0	
1210	Kemet	C1210C226M8PACTU	C9, C19, C20	CAP 22UF 10V CERAMIC X5R 1210	Mouser	y	3	
SMD	Osram Opto Semiconductors Inc	LR W5SM-H1JY1-Z	D2	LED GOLDEN DRAGON 632NM RED SMD	Digikey	y	1	
SMD	Osram Opto Semiconductors Inc	LT W5SN-JYK2-36-Z	D3	LED PLAT DRAGON 520NM GRN SMD	Digikey	y	1	
SMD	Osram Opto Semiconductors Inc	LB W5SN-FYHX-35-Z	D4	LED PLAT DRAGON 465NM BLUE SMD	Digikey	y	1	
0603	Kemet	C0603C101J5GACTU	C33	CAP CERAMIC 100PF 50V NPO 0603	Mouser	y	1	
0603	Murata Electronics North America	GRM1885C1H201JA01D	C32	CAP CER 200PF 50V 5% COG/NPO 0603	Mouser	y	1	
0603	Bourns	CD0603-80230	D1	DIODE SCHOTTKY 30V 200MA 0603	Mouser	y	1	
0805	Murata Electronics North America	GRM21BR71A106KE51L	C23, C24, C25	CAP CER 10UF 10V X7R 0805	Mouser	y	2	
.100 TH	Molex/Waldom Electronics Corp	22-28-4060	ICSP1, ICSP2	CONN HEADER 6POS .100 VERT TIN	Mouser	y	2	
0603	Kemet	C0603C474K9RACTU	CVR1	CAP CERM .47UF 6.3V X7R 0603	Digikey	y	1	
0805	TDK Corporation	C2012X7R1A475M	CVR2	CAP CER 4.7UF 10V X7R 20% 0805	Digikey	y	1	
0603	Panasonic - ECG	ERJ-3KF10R0V	RTERM	RES 10.0 OHM 1/10W 1% 0603 SMD	Digikey	y	1	
0603	Panasonic - ECG	ERJ-3GEYJ102V	R1, R2, R3	RES 1.0K OHM 1/10W 5% 0603 SMD	Digikey	y	3	
0603	Panasonic - ECG	ERJ-3GEYR0R0V	RVR1	RES ZERO OHM 1/10W 5% 0603 SMD	Digikey	y	1	
0805	Cornell Dubilier	FCP0805C103J-J2	C22	CAP FILM PPS .01UF 10V 0805 2%	Mouser	y	1	
0603	KOA Speer	RK73B1JTTD751J	R4	RES 750 OHM 1/10W 5% 0603 SMD	Mouser	y	1	
0603	KOA Speer	RK73B1JTTD1033J	R5	RES 13K OHM 1/10W 5% 0603 SMD	Mouser	y	1	
2512	KOA Speer	RK73B3ATTE160J	R13, R19	2512 SMD Thick Film Chip Resistors 16 OHM 5%	Mouser	y	2	
2512	Vishay	CRCW251230R0JNEJ	R7	2512 Thick Film Chip Resistors 1watt 30ohms 5%	Mouser	y	1	
.100 TH	Chicago Miniature	CMW01G	D5	LED 3MM RA FAULT-IND GRN PC MNT	Mouser	y	1	
0603	KOA Speer	RK73B1JTTD104J	R111, R112, R113, R114, R115, R116, R125, R126	RES 100K OHM 1/10W 5% 0603 SMD	Mouser	y	8	
1206	KOA Speer	RK73B2BLTD105J	R8	RES 1.00M OHM 1/4W 1% 1206 SMD	Mouser	y	1	
0603	KOA Speer	RK73B1JTTD103J	R6, R25, R27	RES 10K OHM 1/10W 5% 0603 SMD	Mouser	y	3	
0603	Panasonic - ECG	ERJ-3KF1822V	R93, R94	RES 18.2K OHM 1/10W 1% 0603 SMD	Digikey	y	2	
TH	Alpha (Taiwan)	RV141F-40-20BL-B10K	R37, R38, R39, R40, R49, R50, R51, R52, R61, R62, R63, R64, R73, R74, R75, R76, R85, R86, R87, R88, R99, R100, R101, R102	14mm Clear Shaft Potentiometers 20mm LINEAR 10K PC Mount	Mouser		24	
.100 TH T-1	Kingbright	WP7104MGC	D50, D74	LED Standard GREEN WATER CLEAR	Mouser		2	
.100 TH T-1	Kingbright	WP7104SRC/E	D64, D88	LED Super Bright RED WATER CLEAR	Mouser		2	
.100 TH T-1	Kingbright	WP7104SEC	D49, D73	LED Super Bright ORANGE WATER CLEAR	Mouser		2	
.100 TH T-1	Kingbright	WP7104RWC/A	D37, D38, D39, D40, D51, D52, D61, D62, D63, D75, D76, D85, D86, D87, D99, D100, D101, D102	LED WHITE WATER CLEAR	Mouser		18	
	ROHM	MCR03EZP560	R41, R42, R43, R44, R55, R56, R65, R66, R67, R79, R80, R89, R90, R91, R103, R104, R105, R106	RES 56 OHM 1/10W 5% 0603 SMD	Digikey	y	18	
0603	Panasonic - ECG	ERJ-3GEYJ202V	R117, R118, R119, R120, R121, R122, R127, R128	RES 2.0K OHM 1/10W 5% 0603 SMD	Digikey	y	8	
0603	Panasonic - ECG	ERJ-3KF38R3V	R54, R78	RES 38.3 OHM 1/10W 1% 0603 SMD	Digikey	y	2	
0603	KOA Speer	RK73B1JTTD680J	R68, R92, R53, R77	RES 68 OHM 1/10W 5% 0603 SMD	Digikey	y	4	
0603	Panasonic - ECG	ERJ-3KF2800V	R9	RES 280 OHM 1/10W 1% 0603 SMD	Mouser	y	1	
TH	ALPS	RS6011YA6009	R109, R110	Slide Potentiometers 10K OHM B TAPER	Mouser		2	
TH	ALPS	RS60N11S6A04	R124	Slide Potentiometers 10K OHM MONO B TAPER	Mouser		1	
TH	Mountain Switch	101-TS5511T26002R-EV	S1, S2, S3, S4, S5, S6, S7, S8	Tactile Switches 6x6 260gf RED LED	Mouser		8	
TQFP-44	Microchip Technology	PIC18LF4525-IPT	U1	IC MCU FLASH 24KX16 44TQFP	Digikey		1	
SOT23	Microchip Technology	MCP120T-270I/TT	U2	IC SUPRVSR 2.70V OPN DRAIN SOT23	Digikey		1	
SOIC-28	Microchip Technology	PIC18LF2525-I/SO	U3	IC MCU FLASH 24KX16 28SOIC	Digikey		1	
TH	DLP Design	UB232R	U7	USB Adapters From FTDI SMALLEST USB-SERIAL MODULE	Mouser		1	
SOIC-8	Micro Inc	MIC2025-2YM	U8	IC SW DISTRIBUTION 1CHAN 8SOIC	Digikey		1	
SOT23	Fairchild Semiconductor	ND3355AN	Q1, Q2, Q3	IC SW DISTRIBUTION 1CHAN 8SOIC	Digikey	y	3	
.100 TH	National Semiconductor	LM3940T-3.3/NOPB	U9	MOSFET N-CH 30V 1.7A SSO13	Digikey		1	
N/A	Cis Electronic Components	PSC2T-2CB	(U9)	IC REGULATOR LDO 3.3V TO-220	Digikey		1	
SOT23-5	Texas Instruments	LP2985A-33DBVR	U10	HEATSINK CLIP ON BLACK TO-220	Mouser		1	
TQFP-48	Analog Devices Inc	ADG732BSLUZ	U11	IC LDO REG 3.3V 150MA SOT23-5	Mouser		1	
SOT23-5	Analog Devices Inc	AD8605ARTZ	U12	IC MUX ONE 32-CH 1.8/5.5V 48TQFP	Digikey		1	
SMD	ECS Inc	ECS-200-20-30B-TR	Y1, Y2	IC OPAMP SNGL R-R I/O LN SOT23-5	Digikey		2	
				CRYSTAL 20.000 MHZ 20PF SMD	Digikey		2	
6/28/2008 Initial Release Rev 1			NOTES: ITEMS IN BOLD ARE POPULATED					
7/6/2008 Rev 2 added CVR2, CVR1, RVR1						total	170	