MPGL1-EHDW-03 Bill of Materials

Internal Part Number	Description	Designator	Quantity
100180	BUZZER PIEZO 4KHZ SMT	BZ1, BZ2	2
100130	CAP CER 0.1uF 10% X5R 25V 0603 SMT	C1, C3, C17, C18, C19, C20, C21,C23, C32, C34, C39, C40, C46, C47, C48, C49, C50, C52, C53, C54, C56, C57, C58, C59, C60, C61, C62, C63, C64, C66, C69	31
100130	CAP CER 0.1uF 10% X5R 25V 0603 SMT	C8, C9, C10, C12, C13, C14, C15, C22	8
100005	CAP CER 1.0PF 100V NP0 0603	C36, C37	2
100233	CAP CER 10pF 50V 1% NP0 0603	C26, C65	2
100019	CONN D-SUB RCPT R/A 9POS GOLD/FL	J5	1
100031	CONN TERMINAL 12POS 0.100" RIGHT ANGLE	J3	1
100006	CAP CER 10uF 10V X5R 0805	C2, C6, C7, C11, C16, C31, C51, C55	8
100007	CAP CER 12pF 50V 0603 SMD	C27, C28, C29, C30	4
100009	CAP CER 1uF 10% X5R 16V 0603 SMT	C4, C5, C41, C42, C43	5
100241	CAP CER 2.2PF 250V NP0 0603	C35	1
100010	CAP CER 2200PF 50V X7R 0603	C33, C38	2
100200	CAP CER 33PF 50V 5% NP0 0603	C24, C25, C67, C68	4
100182	CONN RCPT STD MICRO USB TYPE AB	J1, J2	2
100102	CONN SD/MMC 9PIN PCB GOLD FLASH	J6	1
100226	CRYSTAL 12.000000 MHZ SMD 18PF HC49	X4	1
100226	CRYSTAL 12.000000 MHZ SMD 18PF HC49	X1	1
100034	CRYSTAL 16MHZ 8PF 3.2X2.5 SMD 0/70	X3	1
100037	CRYSTAL 32.768KHZ 7pF 3215 SMT	X2	1
100039	DIODE SCHOTTKY 1A 40V SOD123	D19	1
100040	DIODE SWITCHING 200mA 100V SOD123	D1, D2	2
100049	IC LDO REG 300MA ADJ-V SOT23-5	U5	1
100223	IC RF NRF51422 6x6 QFN48	U3	1
100271	IC TXRX RS232 DUAL 16TSSOP	U7	1
100096	LCD 20X2 CHARACTER RGB BACKLIGHT	U6	1
100225	IC USB DUAL ESD PROTECT 6TSOP	U4	1
100240	INDUCTOR HI FREQ 10nH 2%	L3	1
100239	INDUCTOR HI FREQ 3.3nH +/-0.3nH	L1	1
100052	INDUCTOR HI FREQ 4.7+/-0.3nH	L2	1
100107	LED 0603 BLUE 470NM WTR CLR SMD	D8	1
100065	LED 0603 GREEN CLEAR SMD	D3, D7, D18	3
100067	LED 0603 RED CLEAR SMD	D4, D5, D17	3
100118	BUMPON CYLINDRICAL 0.44" DIA BLK	Z4, Z5, Z6, Z7	4
100068	LED 0603 YELLOW CLEAR SMD	D6	1
100110	LED PLCC2 GREEN ROUND CLEAR SMD	D13	1
100112	LED PLCC2 ORANGE ROUND CLEAR SMD	D15	1
100113	LED PLCC2 RED ROUND CLEAR SMD	D16	1
100111	LED PLCC2 YELLOW ROUND CLEAR SMD	D14	1
100275	LED RGB PLCC4 TOP CLEAR	D9, D10, D11, D12	4
100224	MCU ATMEL SAM3U2 LQFP100	U1, U2	2
100220	MOSFET N-CH 20V 1A SOT323	Q2, Q3, Q4, Q5, Q6, Q7, Q8	7
100232	PCB BARE		1
100075	RES 0.0 OHM 1/10W 1% 0603 SMD	R13, R47, R48, R56, R57, R62, R64	7
100078	RES 100K OHM 1/10W 1% 0603 SMD	R2, R4, R5, R6, R33, R34, R35, R36, R42, R43	10
100079	RES 10K OHM 1/10W 1% 0603 SMD	R9, R17, R44, R45, R46, R52	6
100081	RES 150 OHM 1/10W 1% 0603 SMD	R16, R22, R25, R66, R68, R69, R70, R71	8
100081	RES 150 OHM 1/10W 1% 0603 SMD	R26, R27, R28, R29, R30, R31, R32, R37, R38, R49, R50, R51, R54	13
100084	RES 3.6K OHM 1/10W 5% 0603 SMD	R7, R8	2
100098	RES 390 OHM 1/10W 1% 0603	R1, R10, R18, R19, R20, R21, R58, R59	8
100228	RES 39R OHM 1/10W 1% 0603 SMD	R11, R12, R53, R55	4
100229	RES 6.80K OHM 1/10W 1% 0603 SMD	R14, R65	2
100087	RES 698K OHM 1/10W 1% 0603 SMD	R3	1
100227	STANDOFF 1206 MECHANICAL COMPONENT	C44, C45	2
100186	SWITCH SLIDE DPDT 6VDC 0.3A SMT	S1	1
100093	SWITCH TACT 260GF H=5.0MM SMT	S4, S5, S6, S7	4
100214	SWITCH TACTILE SPST-NO 0.05A 32V	S2	1