



**STMicroelectronics**  
 All resistors are 1% tolerance unless otherwise indicated  
 All capacitors are X7R or COG dielectric unless otherwise indicated

Index	Description	Value	Voltage/Rating	Part Value	Quantity	Package	Manufacturer
1	SMD Multilayer Ceramic Cap. Automotive	2.2uF	50V	C1	1	0805	CGA4J3X7R1H225K125AE
2	SMD Multilayer Ceramic Cap.	100nF	50V	C2, C9, C10, C11	4	0603	C0603C104M5RACTU
3	SMD Multilayer Ceramic Cap.	1uF	50V	C3, C4, C5, C6, C7, C8	6	0805	UMK212B7105KG-T
4	Conn Terminal Block 2 POS 2.54mm Solder ST Thru-Hole 10A/Contact	C_BATT		C_BATT	1		282834-2
5	SMD Multilayer Ceramic Cap.	33nF	16V	C_CM1_1, C_CM1_2, C_CM2_1, C_CM2_2	4	0402	CC0402KRX7R7BB333
6	Multilayer Ceramic Capacitors MLCC - SMD/SMT; TDK; CGA2B1X751C474K050BC; 470 nF; 0402; 16 V; 16 V	470nF	16V	C_DIFF_1, C_DIFF_2	2	0402	CGA2B1X751C474K050BC
7	Molex Connector 70551 Series 90° 2,54mm pitch	C_VIF1, C_VIF2		C_VIF1, C_VIF2	2		705510001
8	SMD Multilayer Ceramic Cap.	100nF	50V	CESD1_1, CESD1_2, CESD2_1, CESD2_2	4	0603	C0603C104M5RACTU
9	Male Strip 10 pins pitch 2.54 180°	CONN_GPIO		CONN_GPIO	1		M20-9991045
10	PHOENIX Conn SMD Female 12p right angle pitch 1.27mm	CONN_PYRO		CONN_PYRO	1		1714869
11	Through Pad - IGNORE	COP1, COP2, COP3, COP4		COP1, COP2, COP3, COP4	4		
12	Device L9965C TQFP48(ES)	IC1		IC1	1		Device L9965C TQFP48(ES)
13	Automotive isolated communication port interface for L9965	IC2		IC2	1		EMIF04-0410M8Y
14	Jumper_SMD MEDIUM - CLOSE with SOLDER DROP	J0		J0	1		
15	Jumper_SMD SMALL - CLOSE with SOLDER DROP	J1, J2, J3, J4, J5, J6, J7, J8, J_ISOHM, J_ISOHP, J_ISOLM, J_ISOLP		J1, J2, J3, J4, J5, J6, J7, J8, J_ISOHM, J_ISOHP, J_ISOLM, J_ISOLP	12		
16	Jumper_SMD MEDIUM - Close	J9, J10		J9, J10	2		
17	Jumper_SMD SMALL - Leave OPEN	J_BP1_1, J_BP1_2, J_BP2_1, J_BP2_2, J_CM1_1, J_CM1_2, J_CM2_1, J_CM2_2, J_OFFSET_1, J_OFFSET_2		J_BP1_1, J_BP1_2, J_BP2_1, J_BP2_2, J_CM1_1, J_CM1_2, J_CM2_1, J_CM2_2, J_OFFSET_1, J_OFFSET_2	10		
18	Jumper_SMD 3P MEDIUM - CLOSE 3 with 2 with SOLDER DROP	J_NCS0, J_NCS1, J_SCLK, J_SDI, J_SDO		J_NCS0, J_NCS1, J_SCLK, J_SDI, J_SDO	5		
19	Jumper_SMD 3P MEDIUM -Close 1-2	J_VIO		J_VIO	1		
20	SMD Led Diode Green - Standard Bright	LED_VB	LED SMD 0805_GREEN	LED_VB	1	0805	APT2012SGC
21	SMD Led Diode Blue Clear	LED_VIO	LED SMD 0805_BLUE	LED_VIO	1	0805	LTST-C171TBKT
22	SMD Resistor	47 Ohm	200 mW	R1_1, R1_2, R2_1, R2_2	4	0603	CRGH0603J47R
23	SMD Resistor	100 kOhm	100 mW	R3	1	0603	CRG0603F100K
24	SMD Resistor	470 kOhm	125 mW	R4, R5, R6, R7, R8, R9, R10, R19, R20, R21	11	0805	RC0805FR-07470KL
		82 Ohm	125 mW	R_VIO_LED	1	0805	CRG0805F82R
25	SMD Resistor	680 Ohm	250 mW	R_VB_LED	1	1206	CRGC01206F680R
26	SMD Current Sense Resistor Automotive	3mOhm	2.5W	RSHUNT_0, RSHUNT_1	2	2512	BVT-I-R003-1.0
27	SMD Shunt Transformer	T1_1, T1_2		T1_1, T1_2	2		ESMIT-4180/C
28	MS27478 - Connectors Receptacle Electrical Solder Mounting Solder Type Hermetic Seal 38999 Series II	TP_AGND1, TP_AGND2, TP_AGND3, TP_AGND4		TP_AGND1, TP_AGND2, TP_AGND3, TP_AGND4	4		4952
29	MS27478 - Connectors Receptacle Electrical Solder Mounting Solder Type Hermetic Seal 38999 Series II	TP_DGND1, TP_DGND2		TP_DGND1, TP_DGND2	2		4952
30	Screw M3x6mm PH Pan Cross Head Stainless Steel A2 (DIN7985)	Z1, Z2, Z3, Z4		Z1, Z2, Z3, Z4	4	M3	528-738
31	Female / Female Brass Hex Threaded Spacer M3x15mm	Z5, Z6, Z7, Z8		Z5, Z6, Z7, Z8	4	M3	HTSB-M3-15-5-1
32	PCB 4L FR4 1.6mm	ZPCB		ZPCB	1		