



**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	Package	Quantity	Manufacturer
1	Capacitor	4.7uF	50V	C1, C6, C7, C9	1206	4	12065C475KAT2A
2	Capacitor	10uF	50V	C2, C5, C8, C10	1206	4	GCM31CD71H106KE36K
3	Capacitor	100nF	50V	C3, C4	0603	2	MAJCU168BB7104KTEA01
4	MAJCU168BB7104KTEA01	100nF	50V	C11, C14, C17, C20, C23, C26	0603_C	6	MAJCU168BB7104KTEA01
5	Cap Ceramic 2.2uF 50V X5R 10% Pad SMD 0603 85C T/R	2.2uF	50V	C12, C15, C18, C21, C24, C27	0603_C	6	MSASU168BB5225KTNA01
6	Cap Ceramic 0.01uF 50V X7R 10% Pad SMD 0402 125°C T/R	0.01uF	50V	C13, C22	0402	2	VJ0402Y103KCAAC
7	Cap Ceramic 47pF 100V COG 2% SMD 0603 125°C Paper T/R	47pF	100V	C29, C32	0603	2	GRM1885C2A470GA01J
8	Cap Cer 0603 0.1uF 100VDC X7R	0.1uF	100V	C30, C31	0603	2	CO603C104K1RACTU
9	Common Mode Chokes Dual 100uH 5.8kOhm 100kHz 0.15A 20hm DCR SMD Automotive T/R			CMC_1, CMC_2	ACT45B_TDK_IND	2	ACT45B-101-2P-TL003
10	Common Mode Chokes Dual 100uH 5.8kOhm 100kHz 0.15A 20hm DCR SMD Automotive T/R			CMC_H1	CHOKE	1	ACT45B-101-2P-TL003
11	Female Strip SAMTEC SSW, Dual row, vertical - With long Square terminal pin - Do not cut the soldered terminal - See Note			CN7, CN10	STRIP-19X2-M-V	2	SSQ-119-03-T-D
12	ESD Suppressor TVS Dual Bi-Dir i/z:30kV@Air Gap/i/z:30kV@Contact Disc 3-Pin SOT-323 T/R			D1	SOT65P210X110-3N	1	ESDCAN03-2BWY
13	SMD Power Schottky Rectifier			DS1	SMA	1	STPS2H100A
14	Fiducial 1mm			FidT1, FidT2, FidT3, FidT4	Fiducial 1mm	4	
15	KEYSTONE - 4952 - PCB Test Point, Through Hole Mount, Brass, Tin Plated Contacts			GND1, GND2	TP-BIG-SLOT-HOLE	2	4952
16	Integrated Circuit			IC1	SOP50P1030X245-37N	1	L99VFR02XP
17	TJA1057 Series 5.25V Surface Mount High-Speed CAN Transceiver - SOIC-8			IC2	SOIC127P600X175-8N	1	TJA1057GT/3J
18	Molex Connector 70551 Series 90° 2.54mm pitch			ISO0, ISO1	CONN MOLEX 705510001	2	70551-0001
19	Resistor			J1, JBNE0, JBNE1, JCAN_EN, JCAN_RX, J	JUMP A SALDARE TRIPLO - 0805	15	
20	Jumper_SMD MEDIUM - NC (Normally closed)			J_ISO0M, J_ISO0P, J_ISO1M, J_ISO1P	JP_SMD-2-OPEN-SMALL	4	
21	Circuit Breaker 0603 - NOT MOUNTED			JVCC, SB1, STM1, STM2	JP2_SMD	4	
22	2.0 X 1.25 MM SMD CHIP LED LAMP Single Color LED, Green, Water Clear, 1.3mm			LED_BNE0, LED_BNE1	LED_SMD_0805_GREEN	2	KPHCM-2012CGCK
23	Led, Super Red, 32Mcd, 640Nm, 0805 Rohs Compliant: Yes   Multicomp Pro MP006842			LED_FLT0, LED_FLT1	LED_SMD_0805_RED	2	MP006842
24	SMD N-ch Mosfet			Q1, Q2, Q3, Q4	SOT23_GSD_T	4	BSS138-7-F
25	Resistor	270k	62.5mW	R1, R2	0402	2	CRCW0402267KFKED
26	SMD Resistor	270	100mW	R3, R4, R6, R7	RES-0603	4	CRCW0603270RFKEA
27	Res Thick Film 0603 100K Ohm 1% 0.25W(1/4W) ±100ppm/C Pad SMD Automotive Medical T/R	100K	250mW	R5, R8, R12, R13, R14, R15	RES-0603	6	RCS0603100KFKEA
28	Res Thin Film 0603 100 Ohm 0.1% 1/8W ±25ppm/°C Molded SMD SMD Paper T/R	100 Ohm		R9, R11	RES-0603	2	TNPW0603100RBEEA
29	Res Thick Film 0805 120 Ohm 0.5% 0.25W ±100ppm/°C Molded SMD Punched Carrier T/R	120 Ohm	250mW	R10	ERJP06D1000V	1	ERJ-P06D1200V
30	Telecom Transformer 3750Vrms 250mOhm Prim. 250mOhm Sec. DCR 4-Pin SMD			T1, T2	ESMIT-4180_C	2	ESMIT-4180/C
31	Device UR1T/L9965T LQFP32(5V) - Supplied by ST			U1	32_LQFP	1	L9965T
32	Automotive isolated communication port interface for L9965			U2	8QFN_2X1.5_0.5_EP	1	EMIF04-0410M8Y
33	Terminal box 2 poles male 90° (See Mech Part)			VBAT1	MORS-2P-P381-MALE	1	1803277