



Comment	Description	Designator	Footprint	LibRef	Quantity
	Non-polarised	a m		CC0805_10UF_16V_10 %_XSR	
10uF	capacitor	C1, C21 C2, C3, O6, O9, C12,	OAPC2012X135N	000805_10UF_10V_10 %_X7R	
100nF	Non-polarised capacitor	C13, C14, C16, C17, C18, C22, C23, C24, C25, C26, C33, C34	CAPC2012X135N	CC0805_100NF_50V_1 0%_X7R	
4.7uF	Non-polarised capacitor	C4, C7, C15, C27	OAPC2012X135N	CC0805_4.7UF_10V_10 %_XSR	
18pF	Non-polarised	O5, C10	CAPC2012X135N	CC0805_18PF_50V_5%	
2pF	capacitor Non-polarised	08 C11 C19 C20	CAPC2012X135N	_NP0 CC0805_22PF_50V_5%	
<b>2</b> фг	capacitor	Us, C11, C19, C20	O4-C2J12X136N	_NP0 CAER_100UF_25V_20%	
100uF	Polarised capacitor	C28	CAPPR250-680X1250	_NIOHIOON_UPS1E10 1MED CAER 100UF 25V 20%	
10uF	Polarised capacitor	C29	CAPPR250-680X1250	_NICHICON_UPSIE10 1MED C00805_100PF_50V_5	
100pF	Non-polarised capacitor	C30	CAPC2012X135N	%_NP0	
22uF	Polarised capacitor	C31, C32	CAPPR250-500X1100	CAER_47UF_25V_20%_ 250-500X1100	
Yellow, 2V, 140°	WL-SMCW Mono- color Chip LED Waterclear, size 0805, Yellow, 2V, 140*	D1, D2	WL- SMCV_0805_150080xx 75000	150080Y\$75000	
PESD1CAN	PESD1CAN Series 50 V 9.3 pF SMT CAN bus ESD Protection Diode- SOT-323	D3	SOT23-3	PESD1CAN	
SS16	Schottky Diode	D4, D6, D6	DIOM5127X229N	SS16	
SMBJ12A	Zener Diode WL-SMC//Mono-	D/	DIOM5336X265N	SMBJ12A	
Green, 3.2V, 140°	color Chip LED Waterclear, size 0805,	D8	WL- SMCW_0805_150080xx 75000	150080GS75000	
	Green, 3.2V, 140° 3-Terminal Regulator		ļ		
TLV1117-18IDCY	1-GND2-OUT3-IN 4-OUT Micro SDCard	ICI	SOT230P700X180-4N	TLV1117-18IDCY	
MSD-1-A	Connector, 9 Positions, Connector and Ejector, Push In, Auto Eject Out, Surface Mount, 1.8 mm Height Above Board, Gold Rash	'n	CUI_MSD-1-A	MSD-1-A	
61300711821	WR-PHD Socket Header, THT, Vertical, pitch 2.54mm, 1 Row, 7P	æ	61300711821	61300711821	
65100516121	WR-COMMini USB 2.0 Type B SMT Horizontal 5 Contacts	JB	65100516121	65100516121	
10uH	Inductor With Core	L1	INDC2014X145N	IND0805_10NH_5%_E	
10uH	Inductor With Core	12	IND_TRACO_TOK-047	PCOS_B82496B IND_10UH_20%_TRAC	
891312510002	WR-TBL Series 312 Open Horizontal POB Header, THT, pitch	PI PI	691312510002	O_TOK-047 691312510002	
	5.08mm, 2p WR-PHD Pin Header,				
81300311121	THT, Vertical, pitch 2.54mm, 1 Row, 3P WR-TRI Series 3124	P2, P3	61300311121	61300311121	
891312410002	Open Horizontal PCB Header, THT, pitch 7.62mm, 2p	P4	691312410002	691312410002	
891312510004	WR-TBL Series 312 Open Horizontal POB Header, THT, pitch	P6	691312510004	691312510004	
Push Button	5.08mm, 4p Push-Button Switch	PB1	PB_TYCO_F9M2J9MA	PB_TYCO_FSM2JSMA	
	3PSI			R0805_470R_1%_0.125	
470	Resistor - 1%	R1, R2	RESC2012/60N	W_100PPM R0805_1K_1%_0.5W_1	
1k		R3	RESC2012/070N	00PPM_PANASONIC_E RJP R0805_1K_0.1%_0.125	
1k	Resistor - 5%	R4, R5	RESC2012/60N	W_25PPM R0805 10K 1% 0.125	
10k	Resistor - 1%	R6, R7	RESC2012/60N	W_100PPM	
3k3	Resistor - 1%	R8, R9, R10, R11	RESC2012/60N	R0805_3K3_1%_0.125 W_100PPM	
120	Resistor - 1%	R12	RESC2012/60N	R0805_120R_1%_0.125 W_100PPM	
)	Resistor	R13, R14	RESC2012/60N	R0805_OR_JUMPER	
320k	Resistor - 1%	R15	RESC2012/60N	R0805_62K_1%_0.125 W_100PPM	
220	Resistor - 5%	R16	RESC2012/60N	R0805_680R_1%_0.125 W_100PPM	
110k	Resistor - 1%	R17	RESC2012X60N	R0805_11K_1%_0.125	
ATMEGA328P-AU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM,	UI	QFP80P900X900X120- 32N	W_100PPM ATMEGA328P-AU	
DH340G	2KB SRWM, 32-Pin TOFP USBInterface	LIZ	SOIC-16	OH340G	
	Integrated Circuit MCP2515 Series 5.5 V				
mcp2515	1 Mb/s Stand Alone SPI Interface CAN Controller- SOIC-18 R-PDSO-G8 TJA1050	uз	SOIC-18 - duplicate	mcp2515	
TJA1050	Tape & Reel (TR) CANbus interface receiver 70mV 0.075mA 4.9mm 1000Mbps	U4	SOIC8	TJA1050	
TXS0108EPVIRG4	8-bit bidirectional voltage-level shifter for open-drain and push-pull application 20-TSSOP -40 to 85 APRXOM Series 1.2 V.2	US	SOP65P640X120-20N	TXS0108EPWRG4	
AP63200	A Adjustable Synchronous Buck Converter - TSOT-26	U6	TSOT-26	AP63200	
8MHz	WEXTAL Quartz Crystal, SMT, CFPX- 104, 8MHz, +/-20ppm	Y1, Y3	WEXTAL_CFPX-104	830055663	
	WE-XTAL Quartz Crystal, SMT, CFPX-	_	1		1 -