



Comment	Description	Designator	Footprint	Libref	Quantity
PRECOC3AAN-RC	Connector Header Through Hole 3 position 0 100° 2.54mm	1, 2, 3	1_PIN_100mil	096_0Pin_100mil_Swd	2
AT-1224-TWT-SV-2-4	Resonator Transducer: Externally Driven Electromechanical/M agnetic 5 V 40mA 2.4kHz @ 100 ± 1% 15um Through Hole PC Pins	BZ1	BUZER_1H	BUZER_1	1
1uF	MULTILAYER CERAMIC CAPACITORS MLCC - SMD/SMT 1uF 50V 1206-3225	C3	1206_Passive_Capacit	C_1uF_1206	1
22uF	22uF ±10% 25V AEC 1206 Multilayer Ceramic Capacitors MLCC - SMD/SMT Reels	C2, C3, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21	1206_Passive_Capacit	C_22uF_1206	16
22uF	22uF ±5% 16V CGO 1206 Multilayer Ceramic Capacitors MLCC - SMD/SMT Reels	C4, C5, C6, C7	1206_Passive_Capacit	C_22uF_1206	4
SDV05-4-P-17	TVS, 50V, 2.0A, Bi-Dir	D1	TVS	D_TV5_R0505	1
IR HSSCATPRCPRFW	1.61µT SMD Top PHODS (LED) RGB R20-400nm RED G20-550nm GREEN, B20-470nm BLUE 4000K/20°160MAGRE 1200K/20°160MAGRE R20-500nm/20°160MAG BLUE TOP VIEW SMD-4 Reels	D2, D3, D4, D5	SERIAL_LED - SMD4000K	LED_Smart	4
USB-Mini	Through Hole USB Connector Recept	0	USB_MINI_B	1_USB_2_Mini	1
WPM03CPAEN-RC	Connector Header Through Hole 6 position 0.05° (2.00mm)	J2	KCP	J_KCP	1
RL_10uH_1206	25mA 10uH ±10% 400mA 1206 Inductors (SMD) Reels	L1	ARM6_1206_ARM-M	RL_10uH_1206	1
Red	Red 421-431nm 1206 Light Emitting Diodes (LED) Reels	LED1, LED2, LED3	LED_1206	LED_RED_1206	3
Yellow	Yellow 1206 Light Emitting Diodes (LED) Reels	LED3	LED_1206	LED_YELLOW_1206	1
Green	Green 513-536nm 1206 Light Emitting Diodes (LED) Reels, Power Barel	LED4	LED_1206	LED_GREEN_1206	1
Power Jack	Connector Jack 2.50mm ID Ø 0.0027", 5.50mm OD Ø 0.2177" Through Hole Right Angle	P1, P2	Power_Jack	P_Power Jack	2
2P Screw Terminal Block	Green Straight pins 1.5mm pitch P-1.5mm Screw Terminal Reels	P2	P_Terminal block 1.5mm-pitch	P_Terminal block	1
AO3400A	MOSET N Trench PMOS 1.8 V 40° 250uA 26.5 mT 4° 6.7A, 10V SOT-23-B Reels	D1	NMOSFET	Q_1Nch_MOSFET	1
10k	1%KOHMS ±1% 6-20W 1440 Chip Resistor 1206 (2016 Metric) Automotive AEC-Q200 Thick Film	R1, R9, R10, R11, R12	1206_Passive_Resistor	R_10KOhm_1206	5
500m	Resistor Chip Mount 250mW 500mΩ ±400ppm/°C ±1% 1206, Current Sense Resistor Reels	R2	1206_Passive_Resistor	R_500mOhm_1206	1
1k	CHIP RESISTOR - SURFACE MOUNT 1%KOHMS ±1% 1/4W 1206 Reels	R3, R4, R7, R8	1206_Passive_Resistor	R_1K_1206	4
1M	CHIP RESISTOR - SURFACE MOUNT 1%KOHMS ±1% 1/4W 1206 Reels	R5, R6	1206_Passive_Resistor	R_1M_1206	2
10 Ohm	CHIP RESISTOR - SURFACE MOUNT 5.1%KOHMS ±1% 1/4W 1206 Reels	R13	1206_Passive_Resistor	R_10Ohm_1206	1
1 Ohm	1% ±1% 0.25W ±400ppm/°C 1206 Chip Resistor - Surface Mount Reels	R14	1206_Passive_Resistor	R_1Ohm_1206	1
5 Ohm	CHIP RESISTOR - SURFACE MOUNT ±5%KOHMS ±1% 1/4W 1206 Reels	R15, R16	1206_Passive_Resistor	R_5Ohm_1206	2
10x Push 160G	Facile Switch SPST- NO-Tax Actuated Surface Mount	SW1	Switch_AIS	SW_Push_Button_AIS	1
10x Probe TP	Test Point 300-mil center	TP1, TP2	TP10x_Probe	TP_10x_Probe	2
10x Probe Floating TP	Test Point 300-mil center	TP3	TP10x_Floating	TP_10x_Floating	1
TP_VBMA	Test Point 300-mil center	TP4	TP10x_Probe	TP_10x_Probe	1
TP_VBIB_D1	Test Point 300-mil center	TP5	TP10x_Probe	TP_10x_Probe	1
TP_VBIB_D1	Test Point 300-mil center	TP6	TP10x_Probe	TP_10x_Probe	1
TP_DAC_Vout	Test Point 300-mil center	TP7	TP10x_Probe	TP_10x_Probe	1
TP_SDA	Test Point 300-mil center	TP8	TP10x_Probe	TP_10x_Probe	1
TP_SCL	Test Point 300-mil center	TP9	TP10x_Probe	TP_10x_Probe	1
TP_Buzzer	Test Point 300-mil center	TP10	TP10x_Probe	TP_10x_Probe	1
TP_SCL	Test Point 300-mil center	TP11	TP10x_Probe	TP_10x_Probe	1
TP_VAD	Test Point 300-mil center	TP12	TP10x_Probe	TP_10x_Probe	1
TP_VIN	Test Point 300-mil center	TP13	TP10x_Probe	TP_10x_Probe	1
TP_Comp_Out	Test Point 300-mil center	TP14	TP10x_Probe	TP_10x_Probe	1
TP_Op_Amp_Vout	Test Point 300-mil center	TP15	TP10x_Probe	TP_10x_Probe	1
AD5115D03R	14-Bit ADC with integrated PGA, PGA, Comparator, and Reference 10-VSOP Reels	U1	ADC_AD5115D03R	U_ADC_AD5115D03R	1
ATM65A32BP-ANH	6.6W AAMP 32MHz Microcontroller IC 8- Pin 208kay 1206 144 ±1uS FLASH 12-TQFP (2.0)	U2	ATMega32BP	U_ATMega32BP	1
CH340G	Transceiver USB 2.0 ±4Mbps SOP- 16, 150mil USB IC Reels	U3	USB to serial	U_USBtoSerial	1
MAC IC	6.6W 3.3V 32MHz 1.8V ±6V 100uA General Purpose SOC- 8, 150mil Operational Amplifier Reels	U4	MC97425	U_MC97425A05-5134	1
MC97002T-1/5N	500K 1279600K175-BN ±1.5V 100uA General Purpose SOC- 8, 150mil Operational Amplifier Reels	U5	SOC1279600K175-BN	U_MC97002T-1/5N	1
6122512MS84G	SMD Crystal Resonator 12MHz ±10ppm SMD- 1225, 4P Reels	Y1	Crystal resonator	K_12MHz_Rcs	1
6122516MB4G	±10ppm 16000000Hz 40°C-85°C NUP-12.5MHz 6125 Npf SMD1225-4P Crystal Reels	Y2	Crystal resonator	K_16MHz_Rcs	1