

Designator	Comment	Description	Footprint	LibRef	Quantity	ASSY
C1, C7, C8	100nF 50V	Capacitor ceramic multilayer SMD 100nF 20% X7R 50V 0603	C_0603C	CAP_CER_GP_100nF_20%_50V_X7R_0603	3	
C2, C3, C4, C5, C6	10nF 50V	Capacitor ceramic multilayer SMD 10nF 20% X5R 50V 0603	C_0603C	CAP_CER_GP_10nF_20%_50V_X5R_0603	5	
C9, C10, C11	10uF 25V	Capacitor ceramic multilayer SMD 10uF 20% X5R 25V 0603	C_0603C	CAP_CER_GP_10uF_20%_25V_X5R_0603	3	
C12	100uF 25V	Capacitor Aluminum Electrolytic SMD FP 100uF 20% 25V Size:E . d 8x 6.2	PANACAP-E-GENERIC	CAP_POL_FP_100uF_20%_25V_E	1	
C13	1uF 50V	Capacitor ceramic multilayer SMD 1uF 20% X6S 50V 0603	C_0603C	CAP_CER_GP_1uF_20%_50V_X6S_0603	1	
C14	47nF 50V	Capacitor ceramic multilayer SMD 47nF 20% X5R 50V 0603	C_0603C	CAP_CER_GP_47nF_20%_50V_X5R_0603	1	
C15	1uF 16V	Capacitor ceramic multilayer SMD 1uF 20% JB 16V 0603	C_0603C	CAP_CER_GP_1uF_20%_16V_JB_0603	1	
D1, D6	Yellow LED	LED ULTRA-BRIGHT YELLOW SMT 0603	C_0603D	LTST-C190KSKT	2	
D2, D3	1N4150W	Si-Diode 1N4150W	SOD-123-12	1N4150W	2	
D4	Red LED	LED ULTRA-BRIGHT RED SMT 0603	C_0603D	LTST-C190CKT	1	
D5	Green LED	LED ULTRA-BRIGHT GREEN SMT 0603	C_0603D	LTST-C190GKT	1	
J1	MOLEX 22-23-2081	HEADER VERTICAL 0.100 SQ KEYED FRICT.LOCK 8P MOLEX 22-23-2081	MOLEX_22-23-2081	HEADER VERTICAL 0.100 SQ KEYED FRICT.LOCK 8P MOLEX 22-23-2081	1	
J2, J3	MOLEX 26-60-4020	HEADER VERTICAL 0.156 SQ KEYED FRICT. LOCK 2P MOLEX 26-60-4020	MOLEX_26-60-4020	HEADER VERTICAL 0.156 SQ KEYED FRICT. LOCK 2P MOLEX 26-60-4020	2	
MOD0	arduinoNano		Arduino nano	arduinoNano	1	
R1, R2, R24	10.0K 1%	Thick film Resistor 10.0K 1% 0603	C_0603R	RES_10.0K_0603_1%	3	
R3, R13	562R 1%	Thick film Resistor 562R 1% 0603	C_0603R	RES_562R_0603_1%	2	
R4, R8, R9	1.00K 1%	Thick film Resistor 1.00K 1% 0603	C_0603R	RES_1.00K_0603_1%	3	
R5, R6, R7	100K 1%	Thick film Resistor 100K 1% 0603	C_0603R	RES_100K_0603_1%	3	
R10, R11, R15, R16, R19, R20, R21, R27, R28, R29	0R 0	Thick film Resistor 0R 0 0603	C_0603R	RES_OR_0603_1%	10	
R12	10.0K 1%	Thick film Resistor 10.0K 1% 0805	C_0805R	RES_10.0K_0805_1%	1	
R14, R17, R18, R22, R23	0R 0	Thick film Resistor 0R 0 0603	C_0603R	RES_OR_0603_1%	5	Do not populate
R25	5.11K 1%	Thick film Resistor 5.11K 1% 0603	C_0603R	RES_5.11K_0603_1%	1	
R26	54.9R 1%	Thick film Resistor 54.9R 1% 0603	C_0603R	RES_54.9R_0603_1%	1	
U1	DRV8873H		HTSOP24	DRV8873H	1	













