







Comment	Description	Designator	Footprint	LibRef	Quantity
5V	Connector	+5V, 5V	IDC4	CON4	2
5V	Test Point, Orange, 1- Pin THD, RoHS	5V_1, 5V_2	TP_TH	TestPoint	2
clown		B1	Buzzer	Buzzer	1
40p	SMT ceramic capacitor 0805 size	C1_S1, C1_S2, C1_S3, C1_S4, C1_S5, C1_S6,	0805 CAP	CerCap_SMT_0805	7
	SMT ceramic	C1_S7 C2_S1, C2_S2, C2_S3,			
1.6u	capacitor 0805 size	C2_S4, C2_S5, C2_S6, C2_S7	0805 CAP	CerCap_SMT_0805	7
47nF	SMT ceramic capacitor 0805 size	C3_S1, C3_S2, C3_S3, C3_S4, C3_S5, C3_S6, C3_S7	0805 CAP	CerCap_SMT_0805	7
100n	SMT ceramic capacitor 0805 size	C4_S1, C4_S2, C4_S3, C4_S4, C4_S5, C4_S6, C4_S7, C5_S1, C5_S2, C5_S3, C5_S4, C5_S5, C5_S6, C5_S7	0805 CAP	CerCap_SMT_0805	14
LED_S		D1, D2, D3	LED0.1/5MM	LED	3
SD019-101-411	Photodiode SD019- 101-411	D4_S1, D4_S2, D4_S3, D4_S4, D4_S5, D4_S6, D4_S7	XDCR_TEMD7000X01	TEMD7000X01	7
0	SMT LED 0805 size	D5	0805 LED	LED_SMT_0805	1
1	SMT LED 0805 size	D6	0805 LED	LED_SMT_0805	1
2	SMT LED 0805 size	D7	0805 LED	LED_SMT_0805	1
3	SMT LED 0805 size	D8	0805 LED	LED_SMT_0805	1
4	SMT LED 0805 size	D9	0805 LED	LED_SMT_0805	1
5	SMT LED 0805 size	D10	0805 LED	LED_SMT_0805	1
6	SMT LED 0805 size	D11	0805 LED	LED_SMT_0805	1
7	SMT LED 0805 size	D12	0805 LED	LED_SMT_0805	1
5003	Test Point, Orange, 1- Pin THD, RoHS	DB0, DB1, DB2, DB3, DB4, DB5, DB6, DB7, Vc_S1, Vc_S2, Vc_S3, Vc_S4, Vc_S5, Vc_S5, Vc_S7, Vo_S1, Vo_S2, Vo_S3, Vo_S4, Vo_S5, Vs_S6, Vs_S7, Vs_S1, Vs_S2, Vs_S3, Vs_S4, Vs_S5, Vs_S6, Vs_S7	ТР_ТН	TestPoint	29
GND	Test Point, Orange, 1- Pin THD, RoHS	GND_1, GND_2	TP_TH	TestPoint	2
M1	Connector	J13	idc10	CON10	1
M2	Connector	J18	IDC10	CON10	1
P0	Connector	P0	idc8	CON8	1
P1	Connector	P1	idc8	CON8	1
P2	Connector	P2	idc8	CON8	1
P3	Connector	P3	idc8	CON8	1
P12	Connector	P12	idc8	CON8_1	1
P15	Connector	P15	idc8	CON8_1	1
330	0805 resistor	R1, R2, R3, R12, R13, R14, R15, R16, R17,	0805 RES	Res_SMT_0805	11
0.71	0005	R18, R19	agar pro	D CL FT	
2.7k 100k	0805 resistor 0805 resistor	R4 R4_S1, R4_S2, R4_S3, R4_S4, R4_S5, R4_S6, R4_S7, R8_S1, R8_S2, R8_S3, R8_S4, R8_S5, R8_S6, R8_S7	0805 RES 0805 RES	Res_SMT_0805 Res_SMT_0805	14
10k	0805 resistor	R5, R7_S1, R7_S2, R7_S3, R7_S4, R7_S5, R7_S6, R7_S7, R20	0805 RES	Res_SMT_0805	9
33k	0805 resistor	R6_S1, R6_S2, R6_S3, R6_S4, R6_S5, R6_S6, R6_S7	0805 RES	Res_SMT_0805	7
4M	0805 resistor	R9_S1, R9_S2, R9_S3, R9_S4, R9_S5, R9_S6, R9_S7	0805 RES	Res_SMT_0805	7
42k	0805 resistor	R10_S1, R10_S2, R10_S3, R10_S4, R10_S5, R10_S6, R10_S7, R11_S1, R11_S2, R11_S3, R11_S4, R11_S5, R11_S6, R11_S7	0805 RES	Res_SMT_0805	14
PB switchTH_small	Push Button Switch	S1	ece-Sw-small	PB switchTH_small	1
	thru hole IC OPAMP GP 10MHZ	U1_S1, U1_S2, U1_S3, U1_S4, U1_S5, U1_S6, U1_S7, U2_S1, U2_S2,	SO - 8	TLC082_SMT_SOIC8	14