

Partlist gtG ucd 1100 rev 1.0 with protect semi smd

All resistors are package 0805

Qty	Value	Device	Package
2	0.1r	R19, R20	through hole
2	4k7	R21, R24	through hole
2	4.7	R5, R14	
1	120	R1	
3	470	R6, R11, R17	
1	680	R10	
1	1k	R3	
3	2k2	R12, R13, R15	
2	4k7	R9, R18	
4	10k	R7, R8, R22, R23	
1	22k	R2	
1	47k	R4	
1	470k	R16	
1	47p	C15	through hole
1	220pf	C2	through hole
1	330p	C11	through hole
1	1n	C7	through hole
5	100n	C5, C16, C20, C24,	through hole
5	100n	C1, C14, C17, C21, C27	1206
1	474/250v	C10	through hole
2	1uf/250v	C8, C9	through hole
2	16v/1uf	C6 , C13	
2	10v 47uf	C19 , C25	
3	25v/47uf	C12, C18, C23	
2	50v/47uf	C3, C4	
2	80v 470uf	C22, C28	
2	1N4148	D1, D3	mini melf
1	es1d	D2	
2	Z 12v1ts	D5, D7	mini melf
2	Z 3v3	D4, D6	mini melf
1	green	LED1	
1	IR2110	IC2	
1	LM311N	IC1	
1	NE555N	IC3	
1	tip 41	Q9, Q8	
2	irfb4227	Q3, Q6	
4	mmbt 5401	Q1, Q2, Q4, Q5	
1	mmbt 5551	Q7	
1	30uh	L1	