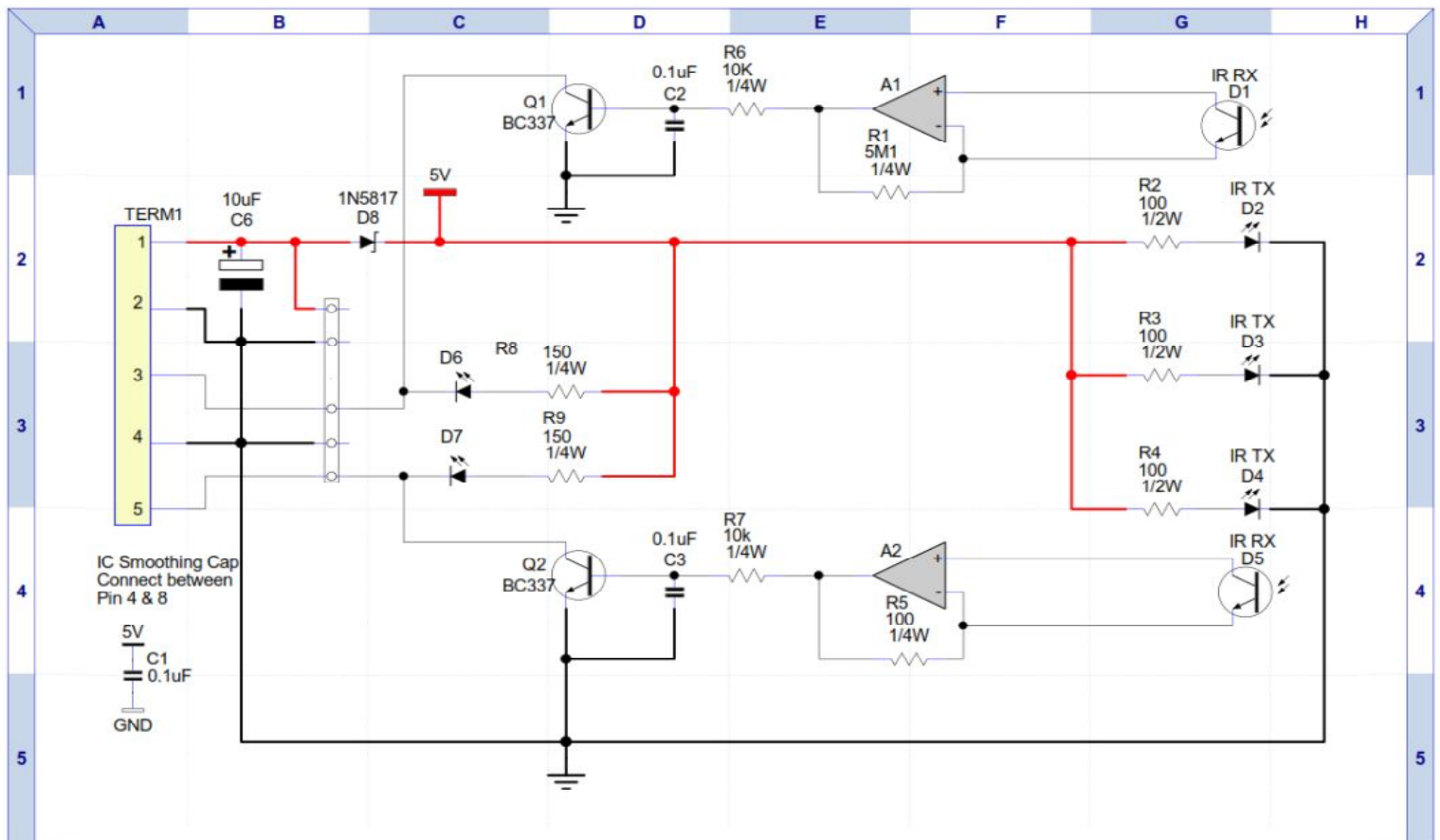




**MANTECH
ELECTRONICS**

International Components Distributor

COMPANY
SCHEMATIC
DESIGNER

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PC13-002-01

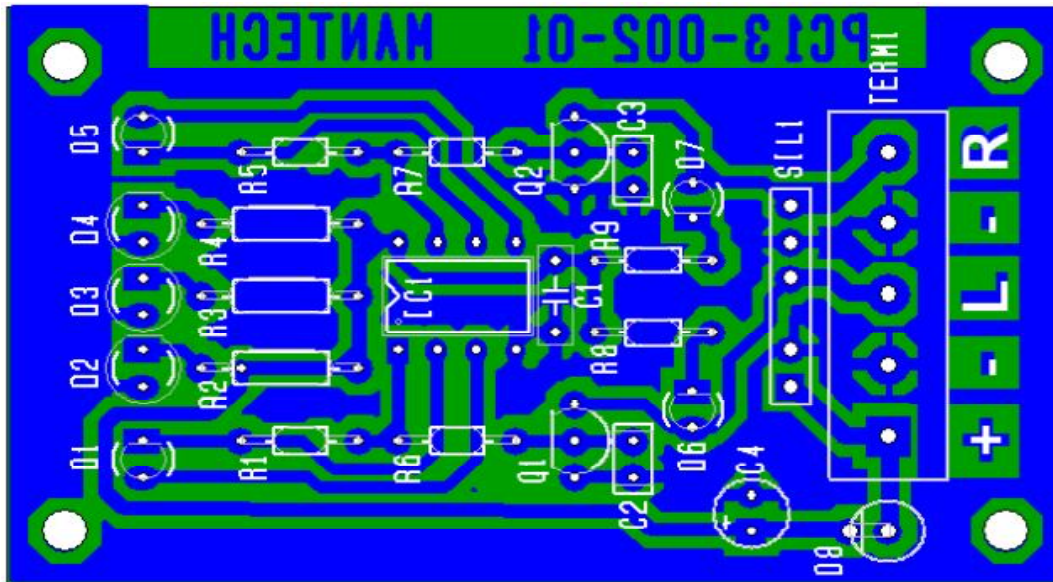
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REV 1.1

PAGE 1

PCB LAYOUT COMPONENT SIDE



PARTS LIST			
QTY	PART	CCT DESCRIPTION	DESCRIPTION
1	PC13-002-01	PCB1	PCB unpopulated
1	LM358N	IC1	LM358N
1	ISM08T1-03-RH	IC1	SOCK DIL 0.3 TULIP RND NAR P08
1	DG306-5.0-03P-12-00A	TERM1a	TERM N/C PCB 3W 5.00 STR BL SQ
1	DG306-5.0-02P-12-00A	TERM1b	TERM CRIMP 18-22AWG VHR-HOUS
2	BC337-25	Q1,2	TRANSISTOR TO92 BC337-25
1	1N5817-T/BOX	D8	DIODE SKY AXL 20V 1A
1	CT4-0805Y-104M500PF3	C1	CAP CER M/L Y5V T/B 100nF 50V5
2	CT4-0805Y104M630-F1	C1,3	CAP CER M/L Y5V 100nF 63V 2.5
1	E.CAP 10uF 16V SS	C4	CAP ELEC RAD 10uF 25V SSHT
6	PHSS40G1/RH RoHS	SIL1	HEADER SIL STR 40W 2.54 TH=12
2	R787880M	D1,5	SPACER FOR 5MM LED D=5 H=12
2	R787880H	D2-4	SPACER FOR 5MM LED D=5 H=9
2	BPT-BP2931	D1,5	PHOTOTRANSISTOR NS 3mm BK-IR
2	BIR-BM13J7M	D2-4	LED 5mm CL-IR 940nm 30-D Tx
2	CF25-10K-J T/B	R6,7	RES 1/4W RND C/F 5% 5KTB 10K
2	CR25-5M1-J	R1,5	RES 1/4W RND C/F 5% 5KTB 5M1
3	CF50-100E-J T/B	R2-4	RES 1/2W RND C/F 5% 5KTB 100E
1	CF25-150E-J T/B	R8,9	RES 1/4W RND C/F 5% 5KTB 150E
4	SG58401		SPACER PLASTIC MAL-FEM M3x8
4	NT3		NUT M3 PLATED