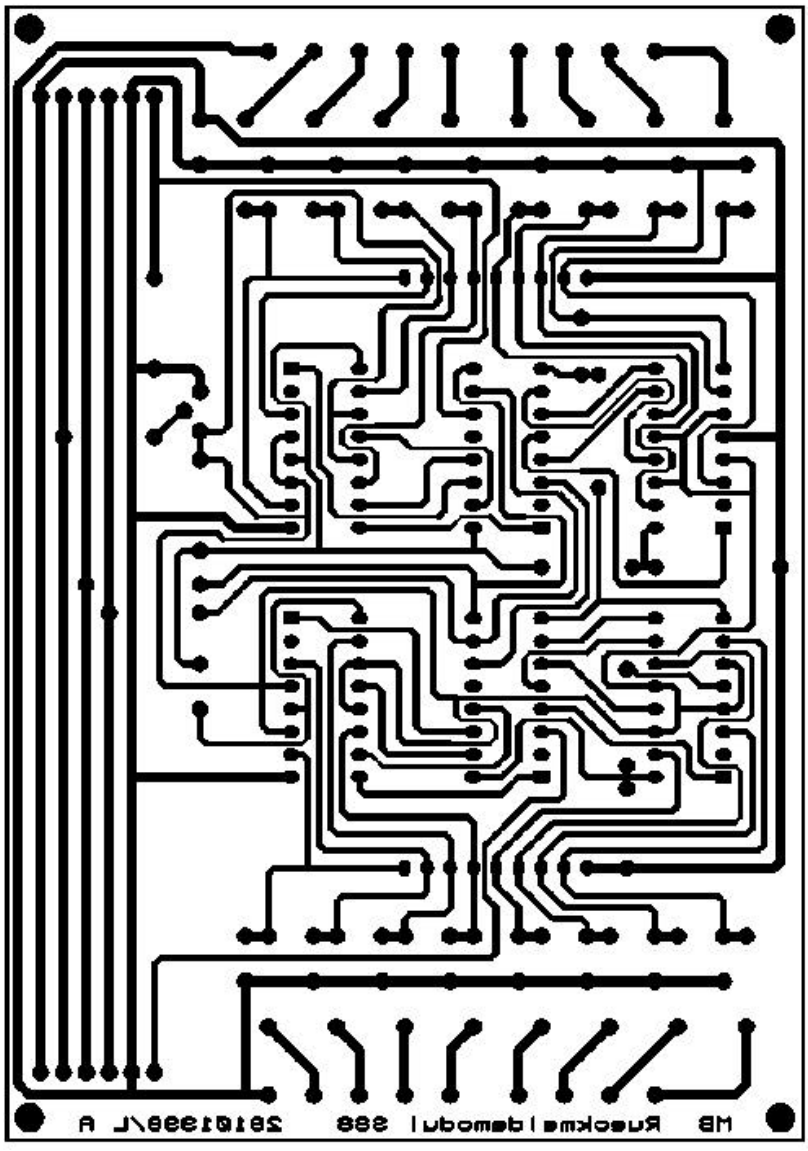
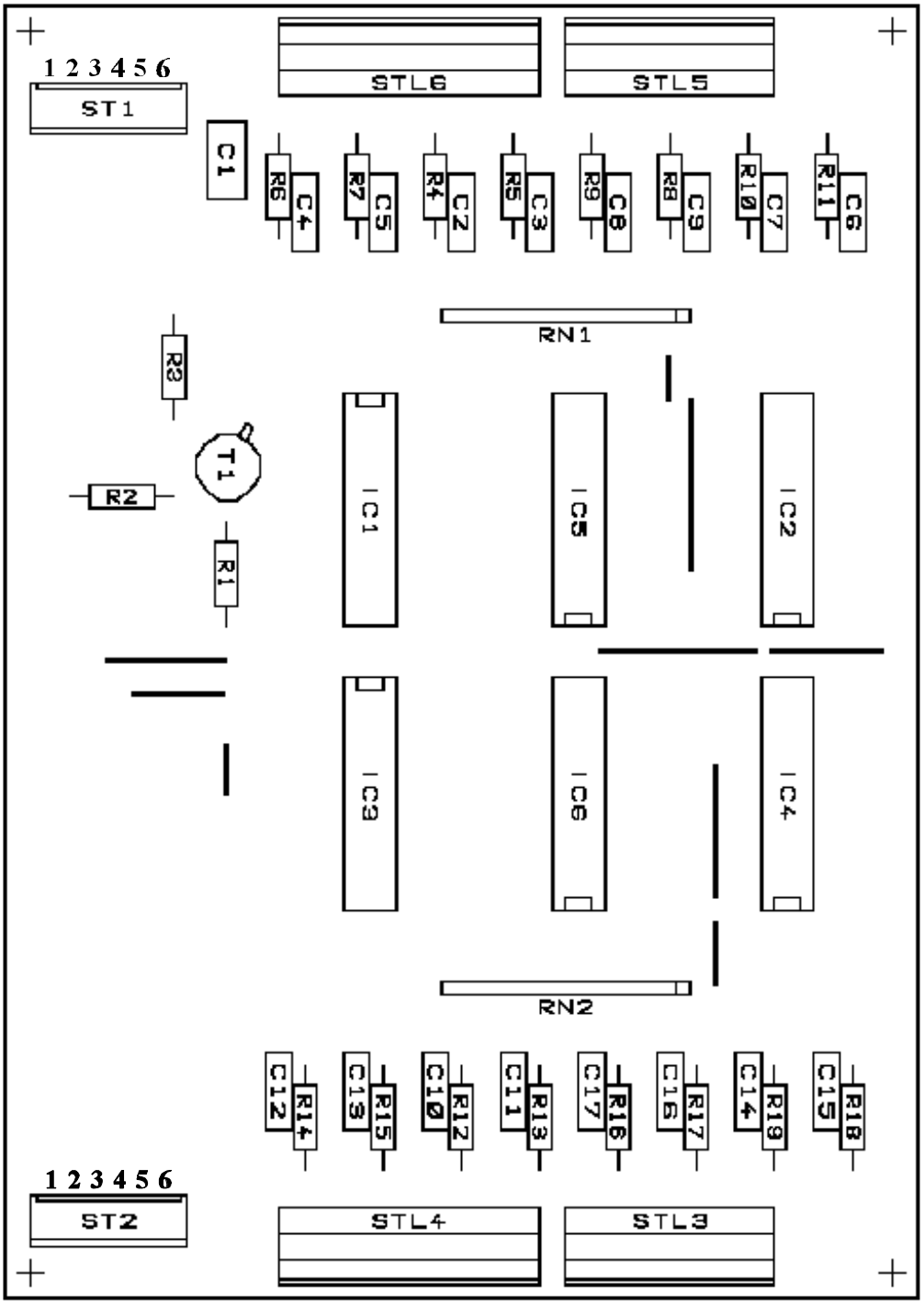
S88 Reply Module

The artwork might need to be touched up to ensure that there are no traces bridging into one another and it needs to be resized so the components will fit properly.



Part placement for S88 Reply Module

Pay attention to the orientation of the IC'c 1-6, Ic's 3-6 are upside down. The tab on the transistor indicates the emitter. All of the solid lines are brides between two circuits and the left over leds from the mounted resistors and capacitors may be used for this.



S88 Part List

Item	Quantity	Reference	Part
1	2	ST1,ST2	STIFTLEISTE 6POLIG
2	18	R1,R2,R4,R5,R6,R7,R8,R9, R10,R11,R12,R13,R14,R15, R16,R17,R18,R19	10K
3	1	R3	100K
4	2	RN2,RN1	100K
5	16	C2,C3,C4,C5,C6,C7,C8,C9, C10,C11,C12,C13,C14,C15, C16,C17	10nF
6	1	C1	100nF
7	1	T1	TR-BCY59/IX
8	2	IC6,IC5	IC-CMOS 4014
9	4	IC1,IC2,IC3,IC4	IC-CMOS 4044
10	2	STL5,STL3	MKDSN 1,5/4-5,08
11	2	STL6,STL4	MKDSN 1,5/5-5,08

S88 Pinouts

Connector	Pin #	Function	Description
ST1/ST2	1	+UB	+5V for reply modules
ST1/ST2	2	Reset	Reset the reply modules for next readings
ST1/ST2	3	Load	Load data into the reply modules
ST1/ST2	4	Clock	Clock pulse to transfer data from reply modules to Memory or Interface
ST1/ST2	5	Gnd	Ground
ST1	6	Data in	Serial data from next S88 module connected in line
ST2	6	Data out	Serial data to next S88 module connected in line or to Memory/Interface if it is the first reply module