

# RES 114 - DUSG/DTG - Parts List (14 July 2009)

Q	Part	Alt.	Note
<b>Resistors</b>			
2	R100		
2	R330		
4	1k		
2	1k5		
6	2k2		
2	8k2		
6	33k		
6	47k		
2	68k		
6	82k		<i>4 are wrongly labeled on the PCB as 8k2</i>
10	100k		
2	150k		
8	220k		
2	330k		
4	470k		
6	820k		
10	1M		
4	10M		
2	100k		Trimmer ( <i>obtain 0 to +5V level</i> )
<b>Capacitors</b>			
4	47pF		all caps MKT or MKS
3	10n	(1 in the middle between sections!)	
2	22n		
10	100n		
2	47uF		electrolyte (radial)
2	100n	<b>SMT 1206 type</b>	FOIL SIDE (for decoupling)
<b>Semi's</b>			
2	LM3900	<i>MC3401</i>	14-p DIL
2	4558	<i>TL072 (better)</i>	8-p DIL
2	LF353	<i>TL072</i>	8-p DIL
4	2N5089	<i>BC550C, 2N3904(*)</i>	npn
6	2N4250	<i>BC560C, 2N5087, 2N3906(*)</i>	pnp
2	2N3563	<i>BC547, 2N3904</i>	npn
2	1N752A		zener, 5V6, 500mW, 5% tol.
8	1N914	<i>1N4148 or similar</i>	
<b>Misc.</b>			
2	14-pin IC sockets		optional
4	8-pin IC sockets		optional
12	jacks		
2	1P3T switches (3 position)		
6	50k Linear pots + knobs		
1	RES114 PCB		
<b>Notes</b>			
7 bridges ! (slightly different in each section; 4 in upper, 3 in lower section)			
(*) if using these as substitute trannies, increase the resistors driving the four emitters to 200k.			
Be careful with the pin-outs of the 2N5089 & 2N4250 ! They come in different versions.			