

## BUCHLA 281/2 DUAL FUNCTION GENERATOR KIT 2013

## RESISTORS

VALUE	QTY	NOTES	PKG	
1K	7		1/4W, 1%	
10K	4		1/4W, 1%	
100K	8		1/4W, 1%	
1M	2		1/4W, 1%	
1.2K**	4	REVISED, use 1.33K instead, see kit notes.	1/4W, 1%	
12K	2		1/4W, 1%	
1.33K**	4	sub for "1K**" in 12V build, see kit notes.	1/4W, 1%	
15K	2		1/4W, 1%	
20K	4		1/4W, 1%	
220K	2		1/4W, 1%	
2.2M**	2	sub for "4.7M" in 12V build, see kit notes.	1/4W, 1%-5%	
2.7K	2		1/4W, 1%	
4.7K	15	*3 of these are mounted off-board, see wiring diagram*	1/4W, 1%	
47K	16	*2 of these are mounted off-board, see wiring diagram*	1/4W, 1%	
470K	2		1/4W, 1%	
4.7M	4		1/4W, 1%-5%	
49.9K	10		1/4W, 1%	
5.6K	2		1/4W, 1%	
680R	6		1/4W, 1%	

## CAPACITORS

.1uF, CERAMIC	7	surface mount, install on bottom of PCB.	0805	
.047uF, FILM	2		5mm	
1.8nF, FILM	2		5mm	
47uF, 16V ELECTRO	1		radial	
10uF, 25V ELECTRO	2		radial	
.1uF, POLYPROPYLENE	2		5mm	

## SEMICONDUCTORS

2N3904	2	GEN PURP NPN	TO-92	
2N3906	4	GEN PURP PNP	TO-92	
PN4393, MPF4393	2	use in place of "MPF-102"	TO-92	
1N5240, 10V	2	use in 15V build	DO-41	
1N5235, 6.8V**	2	use in place of 1N5240 in 12V build	DO-41	
1N914/ 4148	12	SILICON DIODE	DO-35	
CD4001B	2	QUAD NOR GATE	14-DIP	
CD4016	1	QUAD SPST SWITCH	14-DIP	
NJM13700D	1	DUAL OTA	16-DIP	
TL062	4	DUAL LOW POWER OPAMP	8-DIP	
TL061	1	LOW POWER OPAMP	8-DIP	
7810	1	10V REGULATOR IC	TO-220	
LED	2	NOT SUPPLIED IN KIT, OUT INDICATORS	suggested->	

## ELECTROMECH

10-50K LIN, PANEL	4	NOT SUPPLIED IN KIT	suggested->	
20-50K TRIMPOT	2		2.5 / 5mm "Y" CONFIG	
50-100K LIN, PANEL	1	NOT SUPPLIED IN KIT	suggested->	
SOCKET, 14 PIN	3			
SOCKET, 16 PIN	1			
SOCKET, 8 PIN	5			
SWITCH, SPST ON/ON	1	QUADRATURE SWITCH, NOT SUPPLIED	suggested->	
SWITCH, SPST ON/OFF/ON	2	MODE SWITCH, NOT SUPPLIED	suggested->	
JACKS, YOUR CHOICE	11	NOT SUPPLIED IN KIT	suggested->	