

COMPONENT	QUANTITY	MOUSER PART NUMBER	NOTE
22 ohm RESISTOR 5%	1	291-22-RC	any 250 mW (1/4 W) 5% resistor
100 ohm RESISTOR 5%	2	291-100-RC	any 250 mW (1/4 W) 5% resistor
240 ohm RESISTOR 5%	1	291-240-RC	any 250 mW (1/4 W) 5% resistor
1K RESISTOR 5%	6	291-1K-RC	any 250 mW (1/4 W) 5% resistor
2.2K RESISTOR 5%	7	291-2.2K-RC	any 250 mW (1/4 W) 5% resistor
10K RESISTOR 5%	18	291-10K-RC	any 250 mW (1/4 W) 5% resistor
22K RESISTOR 5%	5	291-22K-RC	any 250 mW (1/4 W) 5% resistor
47K RESISTOR 5%	2	291-47K-RC	any 250 mW (1/4 W) 5% resistor
56K RESISTOR 5%	1	291-56K-RC	any 250 mW (1/4 W) 5% resistor
68K RESISTOR 5%	1	291-68K-RC	any 250 mW (1/4 W) 5% resistor
100K RESISTOR 5%	10	291-100K-RC	any 250 mW (1/4 W) 5% resistor
220K RESISTOR 5%	3	291-220K-RC	any 250 mW (1/4 W) 5% resistor
1M RESISTOR 5%	4	291-1M-RC	any 250 mW (1/4 W) 5% resistor
DIODE 1N4001	2	512-1N4001	any 1N4001
DIODE 1N4148	9	512-1N4148	any 1N4148 general purpose, note: silkscreen minor error, 2 different generic diode symbols are used but both are 1N4148, do not confuse with 1N4001
TRIMMER 5K (502)	1	72-T70YE-5K	any 10% single turn trimmer will work here but it will be better to use a branded part.
TRIMMER 500K (504)	1	72-T70YE-500K	any 10% single turn trimmer will work here but it will be better to use a branded part.
IC 4066 Analogue Switch	1	595-CD4066BE	any 4066
ELECTROLYTIC CAPACITOR 1uf "mini"	3	647-USA1H010MDD1TE	any "mini" small can electrolytic capacitor, 7mm height max
ELECTROLYTIC CAPACITOR 1uF	6	140-RLA1R0M1HBK0511P	any 1 uF 50v electrolytic 5 mm Dia. x 11 mm L
ELECTROLYTIC CAPACITOR 10uF	5	140-REA100M1CBK0511P	any 10 uF 16v electrolytic 5 mm Dia. x 11 mm L
ELECTROLYTIC CAPACITOR 47uF	2	140-RGA470M1EBK0511P	any 47 uF 25v electrolytic 5 mm Dia. x 11 mm L
TANTALUM CAPACITOR 1uF 35v	2	80-T350A105K035AT	IMPORTANT: unlike electrolytic capacitors, tantalum capacitors mark the positive leg on the package. Be sure to place this part correctly as reversed tantalums are likely to burn!
POLY FILM CAPACITOR 0.01uF (103)	2	647-QYX2A103KTP	any poly capacitor will work however we recommend Nichicon metal film here for tone as they resemble the original parts used in the TB-303
POLY FILM CAPACITOR 0.1uF (104)	2	647-QYX1H104JTP	any poly capacitor will work however we recommend Nichicon metal film here for tone as they resemble the original parts used in the TB-303
POLY FILM CAPACITOR 0.018uf (183)	1	647-QYX2A183KTP	any poly capacitor will work however we recommend Nichicon metal film here for tone as they resemble the original parts used in the TB-303
POLY FILM CAPACITOR 0.033uf (333)	3	647-QYX2A333KTP	any poly capacitor will work however we recommend Nichicon metal film here for tone as they resemble the original parts used in the TB-303
POLY FILM CAPACITOR 0.047uf (473)	1	647-QYX1H473KTP	currently out of stock at mouser, due end of oct, an alternative part with a slightly larger footprint is, 647-QYX2A473KTP
CERAMIC CAPACITOR 0.1uf (104)	3	581-SR205E104MARAP1	any general purpose mlcc
TRANSISTOR 2SK30A-Y	1	supplied with partial kit	any 2SK30ATM-Y
TRANSISTOR 2SA733P	4	supplied with partial kit	the rarer 2SA733AP was used in the original TB-303
TRANSISTOR 2291A/B discrete pair (red)	1	supplied with partial kit	place the RED matched pair here, alternatively if you have an original 2SC2291 place this in the adjacent slot and do not solder this part.
TRANSISTOR 1583A1/B1 discrete pair (blue)	2	supplied with partial kit	place the BLUE matched pairs here, alternatively if you have an original 2SC1583 place these in the adjacent slots and do not solder these parts.
TRANSISTOR 2SC945P	15	supplied with partial kit	the 2SC945P was used in later model TB-303s and has a more metallic tone than the earlier used 536F transistors
10 PIN HEADER MALE	1	supplied with partial kit	IDC 10 PIN M note: double check which side of the pcb to solder to before comitting this part as removal will be difficult.
20 PIN HEADER MALE	1	supplied with partial kit	IDC 20 PIN M note: double check which side of the pcb to solder to before comitting this part as removal will be difficult.
20 PIN HEADER FEMALE	1	supplied with partial kit	IDC 20 PIN F note: double check which side of the pcb to solder to before comitting this part as removal will be difficult.
IC LM317 linear regulator	1	511-LM317T	bend the legs carefully and solder as shown.
IC TL082 Opamp	1	595-TL082CP	any TL082 JFET Op Amp
IC SOCKET DIP14	1	generic	not needed but highly recommended
IC SOCKET DIP8	1	generic	not needed but highly recommended
HEXBOLT 16MM	4	supplied with partial kit	M3, 16mm with hex head
INLINE JACKS	7	supplied with partial kit	kobiconn 16PJ138 or erthenvar inline jack
POTENTIOMETER 1M Lin	2	774-296UD105B1N	CTS pot, not exclusive to mouser, manufacturer part number 296UD105B1N
POTENTIOMETER 1M Log	1	317-2080F-1M	Alpha pot, not exclusive to mouser, manufacturer part number RV09AF-40-20K-A16
POTENTIOMETER 50K Lin	1	774-296UD503B1N	CTS pot, not exclusive to mouser, manufacturer part number 296UD503B1N
POTENTIOMETER 50K Log	2	317-2080F-50K	Alpha pot, not exclusive to mouser, manufacturer part number RV09AF-40-20K-A54
POTENTIOMETER 50K Dual Lin	1	supplied with partial kit	dual 50K lin potentiometer, shaft requires trimming
LED 3MM BLUE	1	supplied with partial kit	any 3mm LED
STANDOFF 10MM	8	supplied with partial kit	10mm should be used with the supplied inline jacks. If 16PJ138 jacks are used a 9mm standoff should be used instead.
NYLON WASHER 0.5MM	12	supplied with partial kit	do not forget these as they prevent the pcb from bending
KNOB DARK BLUE (or colour of your choice)	7	-	you must use knobs with grub screws, we dark blue davies 1900 series clones, these are available at many places such as smallbear (where we get ours) banzai, tayda or thonk.
M3 SCREW	8	supplied with partial kit	generic m3 screws