



Byzantium Flanger

Revised 11/28/21

IMPORTANT NOTES

The PedalPCB Byzantium Flanger PCB utilizes a pair of stacked PCBs to remain compact and isolate the audio path from the BBD clock and LFO circuitry.

Because of this, body height must be considered when selecting components, specifically electrolytic and box film capacitors. Links are provided below for suppliers for these components.

Maximum component body height is 7mm for both PCBs. This is typically not a concern for resistors, diodes, transistors, or socketed ICs.

Component	Supplier URL
1uF	https://www.mouser.com/ProductDetail/647-USR1H010MDD1TP
22uF	https://www.mouser.com/ProductDetail/667-ECE-A1EKA220I
33uF	https://www.mouser.com/ProductDetail/667-EEA-GA1E330
47uF	https://www.mouser.com/ProductDetail/647-USR1E470MDD1TP
100uF	https://www.mouser.com/ProductDetail/80-ESS107M025AE2AA
220nF	https://www.taydaelectronics.com/0-22uf-100v-5-polyester-film-box-type-capacitor.html

LOCATION	VALUE	TYPE	NOTES
IC1	TL022	Dual op-amp, DIP8	
IC3	V3207D	BBD Analog Delay Line	
IC4	V3102D	BBD Clock, Two-Phase	
IC6	L78L05	Voltage regulator, +5VDC	
VR5	20K	Trimmer potentiometer, 3362P type	
VR6	25K	Trimmer potentiometer, 3362P type	
VR7	1M	Trimmer potentiometer, 3362P type	
RATE	C250K	16mm right-angle PCB mount pot	
DEPTH	B50K	16mm right-angle PCB mount pot	
RES	C50K	16mm right-angle PCB mount pot	
MANUAL	B50K	16mm right-angle PCB mount pot	

QUANTITY	DESCRIPTION
5	2-pin Female Header (2.54mm spacing)
5	2-pin Male Header (2.54mm spacing)
1	6-pin Male Header (2.54mm spacing)

