

#### **CONTROLS AND FEATURES**

- Rate
- Depth

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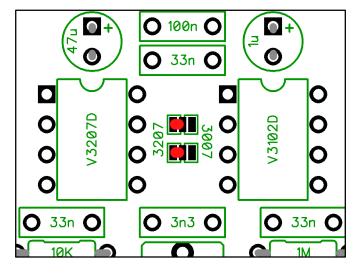


### **Cepheid Chorus**

#### **BBD** Configuration

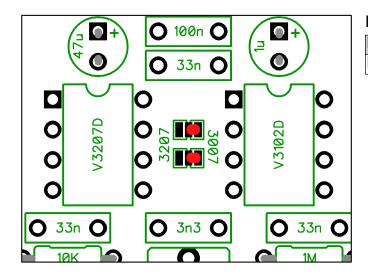
The Cepheid Chorus PCB is compatible with multiple BBD delay and clock ICs. The correct polarity for the BBD delay IC must be set by bridging a pair of solder jumpers.

The proper voltage zener diode (D101) must also be selected depending on which BBD is used.



#### MN3207 / V3207 / BL3207

BBD	Clock	D101
MN3207	MN3102	9V1
V3207	V3102	9V1
BL3207	BL3102	9V1



## MN3007 Clock D101 MN3007 MN3101 12V - 15V



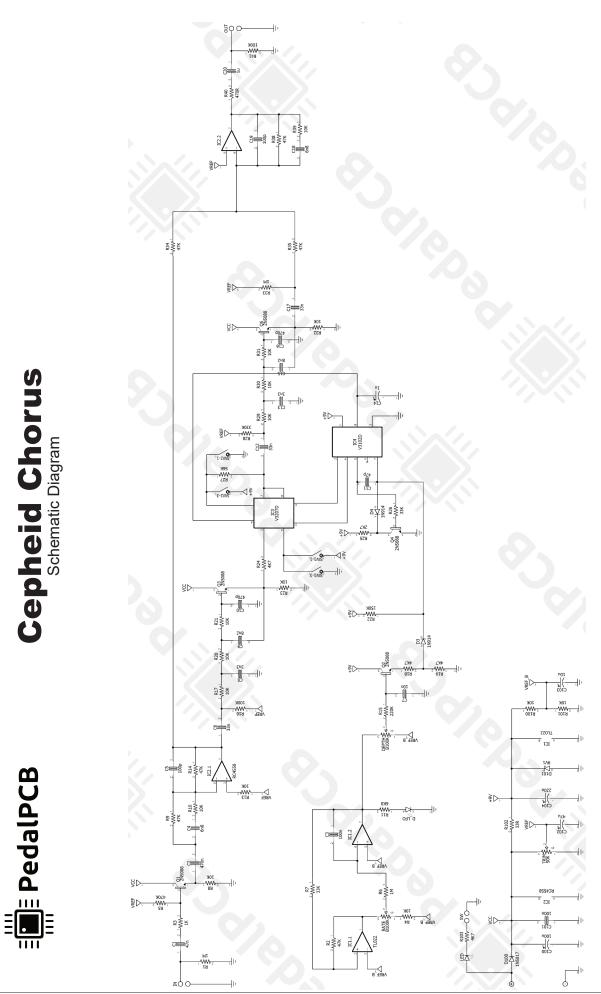
### Cepheid Chorus Parts List (Page 1 of 2)

LOCATION	VALUE	ТҮРЕ	NOTES
R1	1M	Resistor, 1/4W	
R2	47K	Resistor, 1/4W	
R3	1K	Resistor, 1/4W	
R4	10K	Resistor, 1/4W	
R5	470K	Resistor, 1/4W	
R6	1M	Resistor, 1/4W	
R7	33K	Resistor, 1/4W	
R8	10K	Resistor, 1/4W	
R9	47K	Resistor, 1/4W	
R10	10K	Resistor, 1/4W	
R11	6K8	Resistor, 1/4W	
R13	10K	Resistor, 1/4W	
R14	47K	Resistor, 1/4W	
R15	220K	Resistor, 1/4W	
R16	100K	Resistor, 1/4W	
R17	10K	Resistor, 1/4W	
R18	4K7	Resistor, 1/4W	
R19	4K7	Resistor, 1/4W	
R20	10K	Resistor, 1/4W	
R21	10K	Resistor, 1/4W	
R22	150K	Resistor, 1/4W	
R23	10K	Resistor, 1/4W	
R24	4K7	Resistor, 1/4W	
R25	2K7	Resistor, 1/4W	
R26	33K	Resistor, 1/4W	
R27	56K	Resistor, 1/4W	
R28	330K	Resistor, 1/4W	
R29	10K	Resistor, 1/4W	
R30	10K	Resistor, 1/4W	
R31	10K	Resistor, 1/4W	
R32	10K	Resistor, 1/4W	
R33	1M	Resistor, 1/4W	
R34	47K	Resistor, 1/4W	
R35	47K	Resistor, 1/4W	
R38	47K	Resistor, 1/4W	
R39	10K	Resistor, 1/4W	
R40	470R	Resistor, 1/4W	
R41	100K	Resistor, 1/4W	
R100	106IX	Resistor, 1/4W	
R101	10K	Resistor, 1/4W	
R102	33R	Resistor, 1/4W	
R103	4K7	Resistor, 1/4W	
IC1	TL022	Dual op-amp, DIP8	
IC2	RC4558	Dual op-amp, DIP8	
IC3	V3207D	BBD Analog Delay Line	
IC4	V3102D	BBD Clock, Two-Phase	



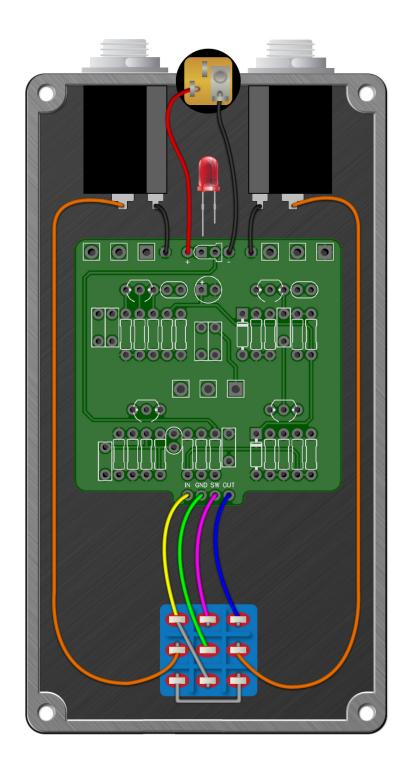
## Cepheid Chorus Parts List (Page 2 of 2)

LOCATION	VALUE	ТҮРЕ	NOTES
C1	47n	Film capacitor, 7.2 x 2.5mm	
C2	470n	Film capacitor, 7.2 x 5.0mm	
C3	100n	Film capacitor, 7.2 x 2.5mm	
C4	6n8	Film capacitor, 7.2 x 2.5mm	
C1 C2 C3 C4 C5	100p	Ceramic capacitor	
C6	33n	Film capacitor, 7.2 x 2.5mm	
C6 C7	10n	Film capacitor, 7.2 x 2.5mm	
C8	3n3	Film capacitor, 7.2 x 2.5mm	
C9	8n2	Film capacitor, 7.2 x 2.5mm	
C10	470p	Ceramic capacitor	
C11	47p	Ceramic capacitor	
C12	33n	Film capacitor, 7.2 x 2.5mm	
C13	3n3	Film capacitor, 7.2 x 2.5mm	
C14	1u	Electrolytic capacitor, 5mm	
C15	8n2	Film capacitor, 7.2 x 2.5mm	
C16	470p	Ceramic capacitor	
C17	33n	Film capacitor, 7.2 x 2.5mm	
C18	6n8	Film capacitor, 7.2 x 2.5mm	
C19	100p	Ceramic capacitor	
C20	100p	Film capacitor, 7.2 x 5.0mm	
C100	100u	Electrolytic capacitor, 5mm	
C100	100u	Film capacitor, 7.2 x 2.5mm	
C102	47u	Electrolytic capacitor, 5mm	
C102 C103	10u	Electrolytic capacitor, 5mm	
C103 C104	220u	Electrolytic capacitor, 5mm	
0104	220u		
D3	1N914	Signal diode, DO-35	
D3 D4	1N914	Signal diode, DO-35	
D4 D100	1N5817	Schottky diode, DO-41	
D100	**	Zener diode	** Refer to page 2 **
			Refer to page 2
Q1	2N5088	BJT transistor, NPN TO-92	
Q2	2N5088	BJT transistor, NPN TO-92	
Q2 Q3	2N5088	BJT transistor, NPN TO-92	
$\overline{\mathbf{Q}}$	2N5088	BJT transistor, NPN TO-92	
Q4 Q5	2N5088	BJT transistor, NPN TO-92	
	2113000	BJT transistor, NFN TO-92	
RATE	B100K	16mm right-angle PCB mount pot	
DEPTH	B100K	16mm right-angle PCB mount pot	
TRIM	50K	Trim potentiometer (3362P style)	
	JUN		











# Cepheid Chorus Drill Template 125B enclosure

