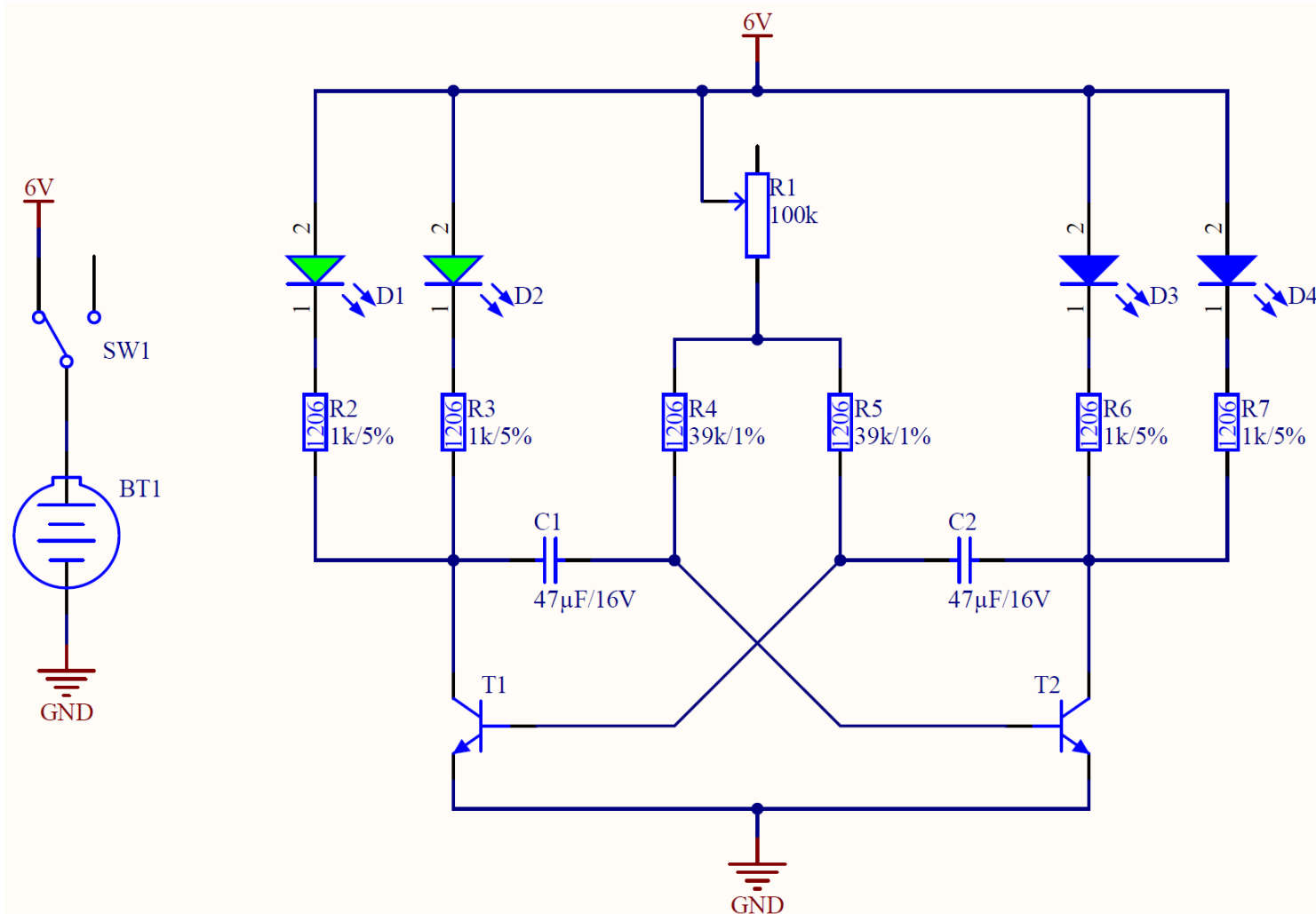
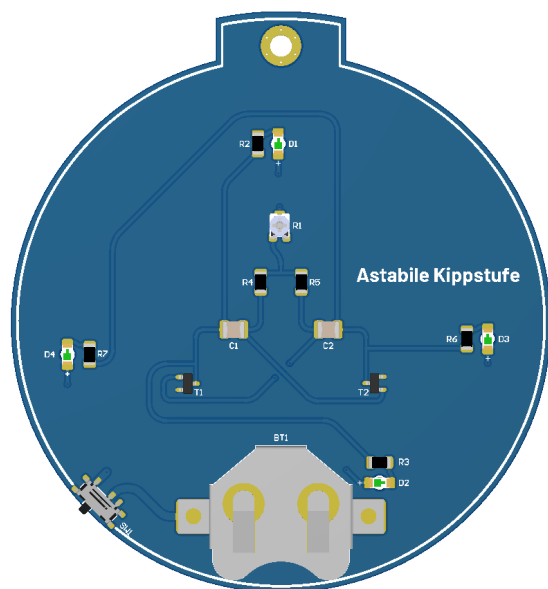


Christbaumkugel v1.0 - Assembly



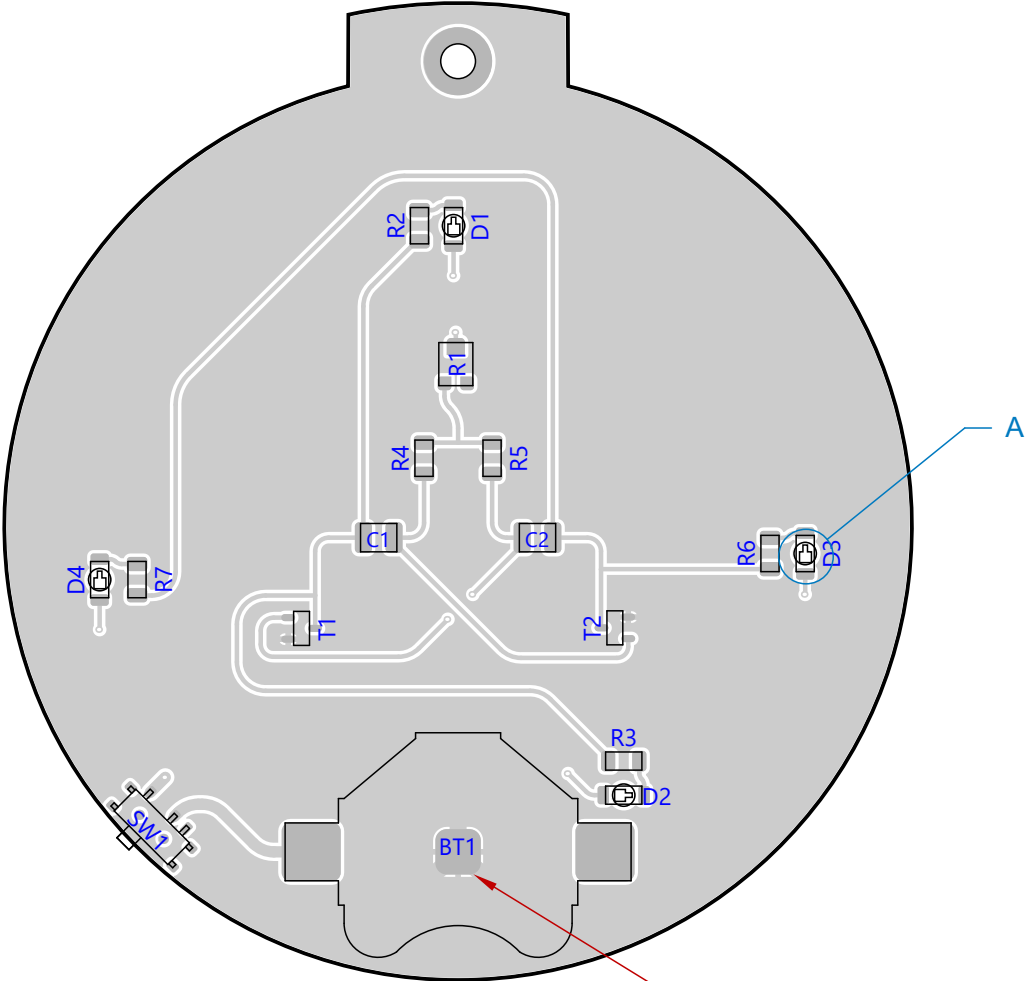
Erklärvideos:

<https://www.youtube.com/watch?v=SQBzJTVVE1o>

<https://www.youtube.com/watch?v=zfgdgmjsJIY>

Mit dem Potentiometer R1 kann zusätzlich die Blinkgeschwindigkeit angepasst werden.

Christbaumkugel v1.0 - Assembly



View from Bottom side (Scale 1.5:1) 2x CR2016, plus = oben

DETAIL A (Scale 3:1)



Polarität der LEDs:
Dicker Balken zu +

Designator	Quantity	Value	Part Number	Description
BT1	1		79523141	Coin Cell Battery Holders WA-BCMC Batt Type 2016/20/25/30 SMT
C1, C2	2	47µF/16V	885012109011	Capacitor, 47uF, 16V, 20%
D1, D2	2	Green	156120GS75300	WL-SMRW Mono-color Reverse mount Waterclear, SMT, size 1206 cylindrical, Green, 3.3V, 140°
D3, D4	2	Blue	156120BS75300	WL-SMRW Mono-color Reverse mount Waterclear, SMT, size 1206 cylindrical, Blue, 3.2V, 140°
R1	1	100k	TC33X-2-104G	Trimmer, 0.1W, 100kohm, 50V, 25% +/-Tol, -250,250ppm/Cel, 1 Turn(s), 1215
R2, R3, R6, R7	4	1k/5%	KTR18EZPJ102	Resistor, 1k Ohm, 5%, 200ppm
R4, R5	2	39k/1%		Resistor, 39k Ohm, 1%, 100ppm
SW1	1		450404015514	WS-SLSU Mini Slide Switch, Same Side Connection Side Push, SPDT, 5VDC, 300mA, 240g
T1, T2	2		SMMBT5551LT1G	NPN Ic=600mA Vceo=160V hfe=80~250 P=225mW SOT23-3