

Planktivore 902004
Strobe Energy pcb assembly
Strobe_energy_v1
16 Dec 2021, Thom Maughan

BOM:

Ref	Qty	Value	Cmp name
C1, C2, C3, C4, C5, C6, C7, C8,	8	1000uF, 10v	CP_Small
D1,	1	CreeXD16	CreeXD16
D2,	1	PDS760Q	D_Schottky
J1,	1	PWR_TRIG	Conn_01x06
J4,	1	4	Conn_01x03
J5,	1	5	Conn_01x03
J6,	1	6	Conn_01x03
J7,	1	7	Conn_01x03
J8,	1	8	Conn_01x03
Q1, Q2,	2	BSC028N06LS3	BSC026N08NS5
R1,	1	0.05	Resistor_Small
R2,	1	1.0 2W	R_Small
R3,	1	0.01 2W	R_Small
R4,	1	1M	Resistor_Small
TP1,	1	TestPoint-Purple	TestPoint
TP2,	1	TestPoint-Black	TestPoint

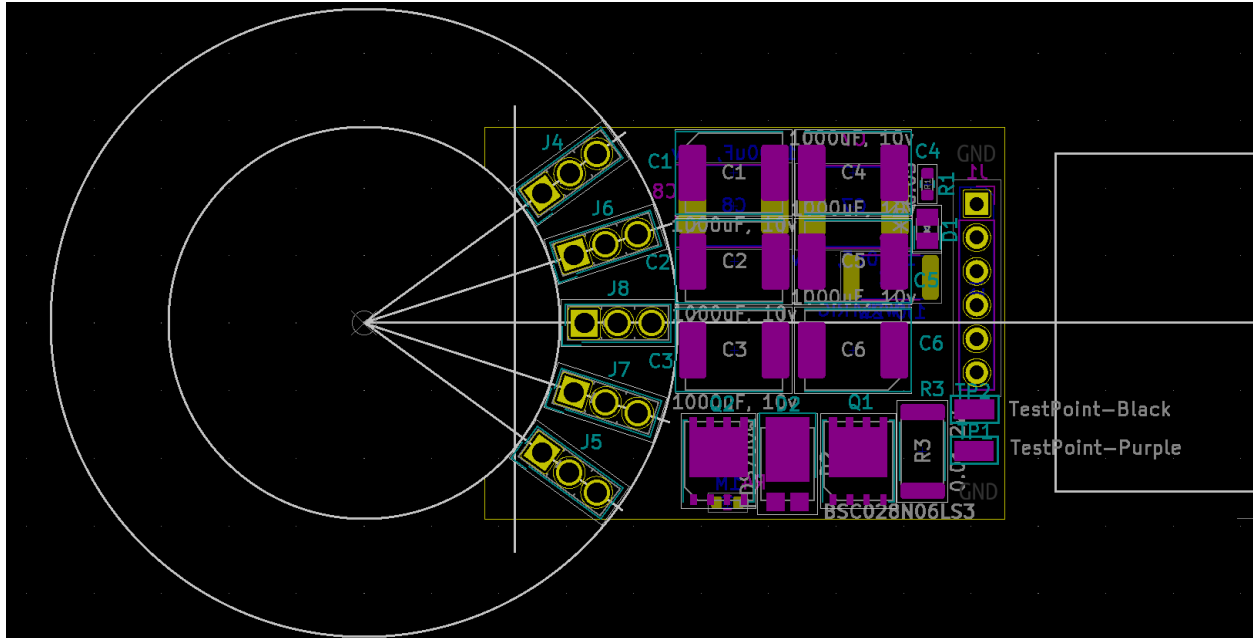
Assembly instructions:

Top side components.

Exceptions:

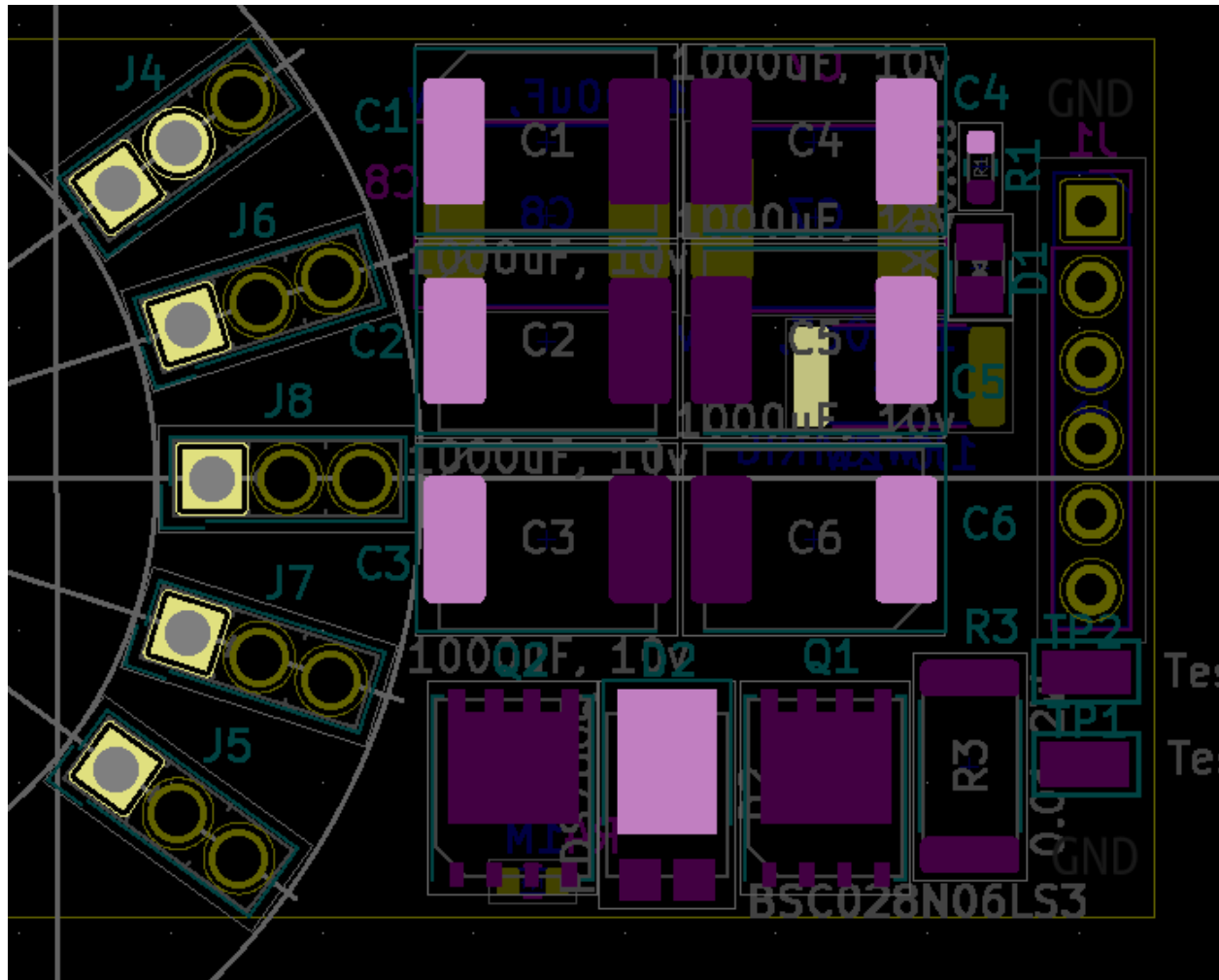
- No testpoints

Board view showing LED strobe connection to strobe_energy (this) board:



Top Side

- Tantalum cap orientation, highlight is positive
- Machine pin female top side, trip bottomside flush



Bottom Side:

- Tantalum cap orientation, highlight is positive
- Do Not stuff J1 (yet)

