Charging switch

V1
12VDC

R1
4.3K

R2
15K

C1
1nF

R4
15K

L1
120µH

D1
D

500VDC

GND

U1

Vcc

TRIG

DIS

OUT

THRS

NE555

RST

CV

R3
69R

M1
NMOS

0VDC