Power LED Strobe
http://picprojects.org.uk

Off-board strobe LED
If using off-board strobe LED
do not fit LED1 on-board

Components
R1 1K 0.25W, 5%, carbon film
R2, R3 1R 0.6W, 1%, metal film
R4, R5 10K 0.25W, 5%, carbon film
R6 120R 0.25W, 5%, carbon film
R7 47K 0.25W, 5%, carbon film
C1, C4 100nF disc or multilayer ceramic
C2 47μF / 6.3V radial electrolytic
C3 220μF /16V radial electrolytic
LED1 Strobe LED (see text)
Q1 BC548B
Q2 STP28NF06L Logic level MOSFET
IC2 LM2931-5.0 5 volt LDO regulator

JP1 Jumper Settings
Strobe flash mode Strobe pulse width Strobe repeat rate
1-2 Mode 3-4 Width 7-8 5-6 Rate
closed double closed 30μs closed closed 15
open single open 100μs open closed 25
open open 35

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