2 to 5.5 v

3.7v Drone
Battery

Vdd
Pin 1

GPIO.5
Pin 2

GPIO.4
Pin 3

Used T1¾ 120 degree view LED's,
from www.superbrightleds.com

12F629

GPIO.2
Pin 5

Green Led

GPIO.1
Pin 6

Red Led

GPIO.0
Pin 7

GPIO.3
Pin 4
Input only

Vss
Pin 8

100 ohm

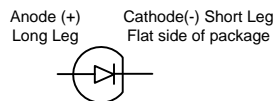As only one LED is turned on at a time, can use only one resistor

Date	Revision/Addition/ Note	By:
Sep 19 2016	Initial Drawing. A friend of mine who flys drone quad copters wanted to add Red/Green flashing strobes. My design criteria from him, pull every gram weight I could out of it. Must run on 3.7v drone battery. Reduced to 1 chip, 2 LEDS, 1 resistor. Used twisted pair 30ga wire wrap wire soldered right to chip to save weight. Used a JST connector to drone battery	GSC
Sep 19 2016	Software RGstrobe.hex	GSC
Sep 19 2016	12F629 and 12F675 are pin for pin identical. 12F675 has the addition of 4 A/D channels. Used 12F629 for this design.	GSC
Sep 19 2016	Played with the strobe effect and settled on 5 flashes, .05 sec long, with a .05 second pause between flashes. Then pause one second and flash the other Led the same time lengths.	GSC

Anode (+)   Cathode(-) Short Leg
Long Leg   Flat side of package

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Checked By:	Janet Crenshaw WB9ZPH	Date: Sep 19 2016	Title: Red Green Strobe	Scale: None	