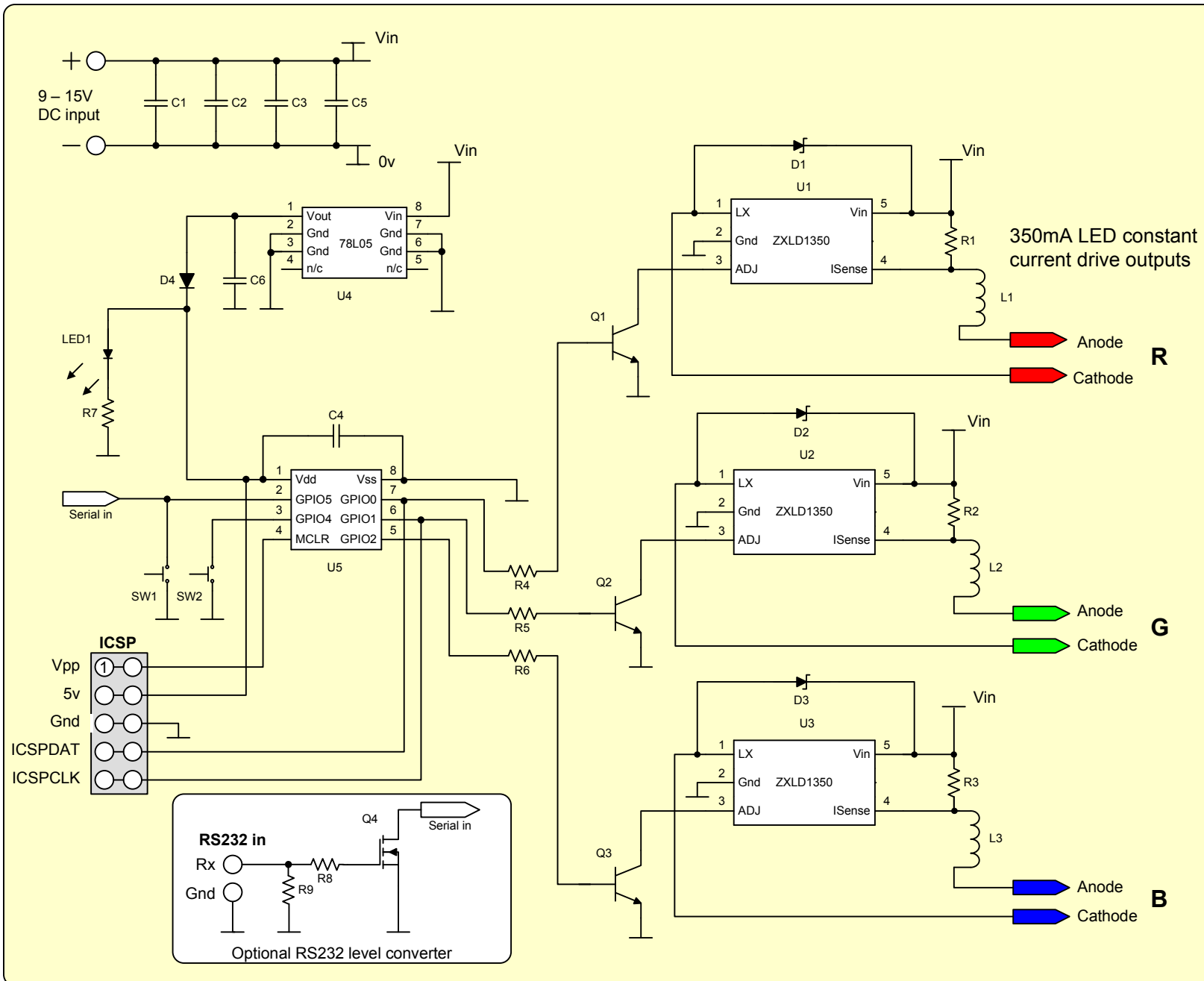


PIC based 350mA RGB LED Controller



Components

R1,2,3	0.33R, 1%, 0.25W, (0805)
R4,5,6	3K3, 5%, 0.25W, (0805)
R7	330R, 5%, 0.25W, (0805)
R8	22k, 5%, 0.25W, (0805)
R9	47k, 5%, 0.25W, (0805)
C1,2,3	1μF, 16 volt, (1206)
C5	330nF, 16 volt, (0805)
C4,C6	100nF, 10 volt, (0805)
L1,2,3	68μH, >350mA, SMD see below
Q1,2,3	BC848 (sot-23)
Q4	2N7002 (sot-23)
D1,2,3	ZLLS1000 (sot23)
D4	BAT54 (sot-23)
LED1	Green LED (1206)
U1,2,3	ZXLD1350 (tsot23-5)
U4	78L05 (SOIC)
U5	PIC 12F629/675/683 (SOIC)
ZXLD1350 and ZLLS1000 are manufactured by Zetex Semiconductor. Available from Farnell and Digi-Key	
L1,2,3	Panasonic Part No: ELL6RH680M Farnell Order Code: 1198602
	Panasonic ELL6PM Type Digi-Key part No: PCD1714TR-ND