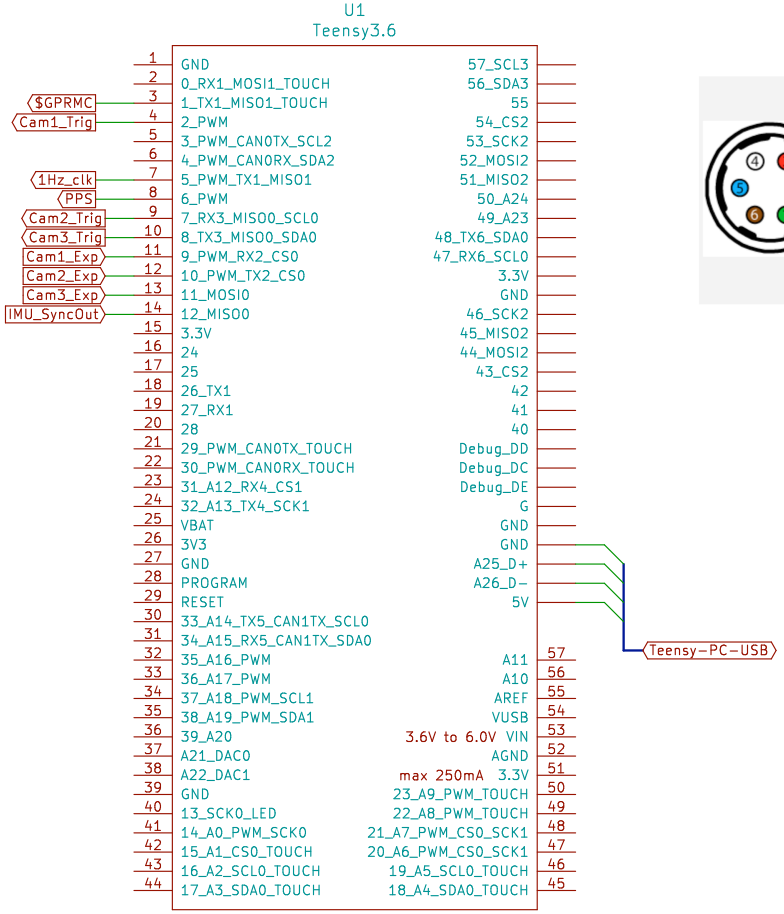
Pins 2, 7, 8, 14 (there are some more) are on PWM Timer 3 (FTM3) so changes to their timer affect both pins

FrequencyTimer2 uses pin 5 and can output a very low jitter signal based on the PWM Timer. Unfortunately it's 50% duty cycle and we need a shorter pulse so we're using pin 6



Green	1	3	Power / Input	+12 V DC Camera Power / Non-isolated input
Black	**2**	**0**	**Opto Input 1**	**Opto-isolated input**
Red	3	2	NC / +3.3 V / GPIO	+3.3 V output. Current 120 mA (nominal) Firmware enabled / Non-isolated I/O
White	4	1	Opto Output 1	Opto-isolated output
Blue	**5**	**N/A**	**Opto GND**	**Ground for opto-isolated I/O, not connected to camera ground**
Brown	6	N/A	GND	DC camera power ground

Sheet: /
File: Handle.sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. eeschema (5.1.5−0)		Id: 1/1