Pin Name	Camera	explanation	I/O		arduino	DIP Pin	comment		
							Atmel ATMega 328P TQFP for openSX70 Meroë TCL3200		
0 (RX)	FTDI					30	Serial port		
1 (TX)	FTDI					31	Serial port		
2	TCS3200	S1-SCALING				32			
3 (PWM)	Sol#1	Solenoid #1 power	output			1	TImer 2 B:For fast PWM affects D11 & D3		OC2B
4	FF	triggers flash	output			2	works with 3.3V	T0 input	
5 (PWM)	TCS3200	Light sensor 16bit counter interrupts	input	LM	Timer1	9	Timer 1 lightmeter	T1input	OC0B
6 (PWM)	TCS3200	S3-TYPE				10			OC0A
7	S5	Stops motor both by closing and opening depeending	input	GND		11			
8	S3	Initiates «Y», 40 milliseconds delay. (Power down	input	GND		12			
9 (PWM)	TCS3200	CHIP ENABLE				13			OC1A
10 (PWM)									OC1B
11 (PWM)	Sol#2	Solenoid #2 power	output		MISO	15	TImer 2 A: For fast PWM code affects D11 & D3		OC2A
12	S1	red shutter button: Initiates exposure cycle.	input	GND	MOSI	16	original feeds 6V might need to change for sonar		
13	LED1	same as built-in LED	output		SCK	17	Arduino standard blink LED		
A0	S9	Prevents firing flash if film pack counter is on «0».	input	6V		23			
A1	S8	Enables (with S7 closed) the circuitry to eject dark slide.	input	6V		24			
A2	M	Motor	output			25	Starts motor through original MCC mosfet		
A3	LED2	LED2				26			
A4	S2	Connects circuitry to detect flash inserted in camera.	input	GND		27	moved to digital/analog for A8 dongle		
A5									
A6						19	analog input only		
A7						22	analog input only		
A Ref						20			
Reset					Reset	29			
VCC						4			
VCC						6			
AVCC						18			
GND						3			
GND						5			
GND						21			
XTAL						7			
XTAL						8			