

MOS Camera Wiring

Mega Name	Mega Pin	Function	Wire color	Load Resistor	Level-converter	Output Plug/Pin	
				SD card			
CS	53	Chip Select	Red	10K to G	13 – 7	Yellow 1	
SCK	52	SPI Clk	Pink	10K to G	17 – 3	Brown 2	
mosi	51	Data to chip	Orange	470 to G	15 – 5	Orange 3	
miso	50	Data from chip	Yellow	10k to G		Red 4	
Ground	Gnd (54)		Brown				
				Touch Screen Wiring			
T-cd	44	Chip Select	Green		11 – 9	11	
T-din	43	MOSI	Yellow		13 – 7	12	
T-clk	42	SPI Clk	Orange		15 – 5	10	
T-do	41	MISO	Red			13	
irq	2			47K pullup 3.3v		14	
				TFT Display			
Tft-cs	49	Chip Select	Black	4.7k to G	2 – 18	3	
Tft-rst	48	Reset	White	4.7k to G	4 – 16	4	
Tft-d/c	47	Data/Command	Green	4.7k to G	6 – 14	5	
Tft-mosi	46	SPI data	Purple	4.7k to G	8 – 12	6	
Tft-clk	45	SPI Clk	Blue	4.7k to G	11 – 9	7	
				Camera Control			
siod	20	I2C Data	Grey		Bidir-xlate	Siod 19	Note: Pin Numbers
sioc	21	I2C clock	White	47K pullup 3.3v	4 – 16	Sioc 20	are arbitrary
vsync	22	V Sync	Pink			Vsync 18	names are
rrst	23	Read Ptr. RST	Yellow	4.7k to G	17 -3	Rrst 01	fixed
wr	24	Write Enable	Red		6 – 14	Wr 04	
wrst	25	Write Ptr. Reset	Blue		2 – 18	Wrst 02	
rck	26	Read Out clk	Orange	1K to G	15 – 5	Rck 05	
				Camera Data Out			
A8	Port K0	Data 0	Brown			D0 09	
A9	Port K1	Data 1	Red			D1 10	
A10	Port K2	Data 2	Orange			D2 11	
A11	Port K3	Data 3	Yellow			D3 12	
A12	Port K4	Data 4	Pink			D4 13	
A13	Port K5	Data 5	Blue			D5 14	
A15	Port K6	Data 6	Purple			D6 15	
A16	Port K7	Data 7	Grey			D7 16	