

50mA Backlight for 5"

TFTFriend Label	Pi GPIO Header	TFTFriend Label
--	3v3	1
Vsync	2	3
Hsync	3	5
B2	4	7
--	Gnd	9
G7	17	11
ShtDwn LED	--	27
R4	22	15
--	3v3	17
free	10	19
B7	9	21
free	11	23
--	Gnd	25
CLK	0	27
B3	5	29
B4	6	31
G3	13	33
PWM1	--	35
ShtDwn BTN	--	26
--	Gnd	39

TFT Friend Pins		
--	R0	5V
--	R1	Gnd
o	R2	LK
o	R3	LA
o	R4	PWM
o	R5	3v3
o	R6	G0
o	R7	G1
--	B0	G2
o	B1	G3
o	B2	G4
o	B3	G5
o	B4	G6
o	B5	G7
o	B6	Gnd
o	B7	Clk
--	XR	on/not off
--	YD	Hsync
--	XL	Vsync
--	YU	DE

40 Pin TFT ribbon		
1	LK	Led Backlight Cathode
2	LA	Led Backlight Anode
3	GND	
4	VDD	PowerSupply (+3.0V)
5-12	R0-R7	Red Data
13-20	G0-G7	Green Data
21-28	B0-B7	Blue Data
29	GND	
30	CLK	Clock (Latch on Falling Edge)
31	DISP	Display on/off
32	Hsync	Horizontal Sync
33	Vsync	Vertical Sync
34	DEN	Date Enable
35	NC	
36	Gnd	
37	XR	Touch X Right
38	YD	Touch Y Down
39	XL	Touch X Left
40	YU	Touch Y Up

TFT Friend Schematic:

