

Connect all blocks together

Root sheet of schematic

EMAR

Sheet: /

File: TFT_LCD_4_3_AM480272H2T_V1_0.sch

Title: TFT 4.3" AM480272H2T for Beaglebone Black

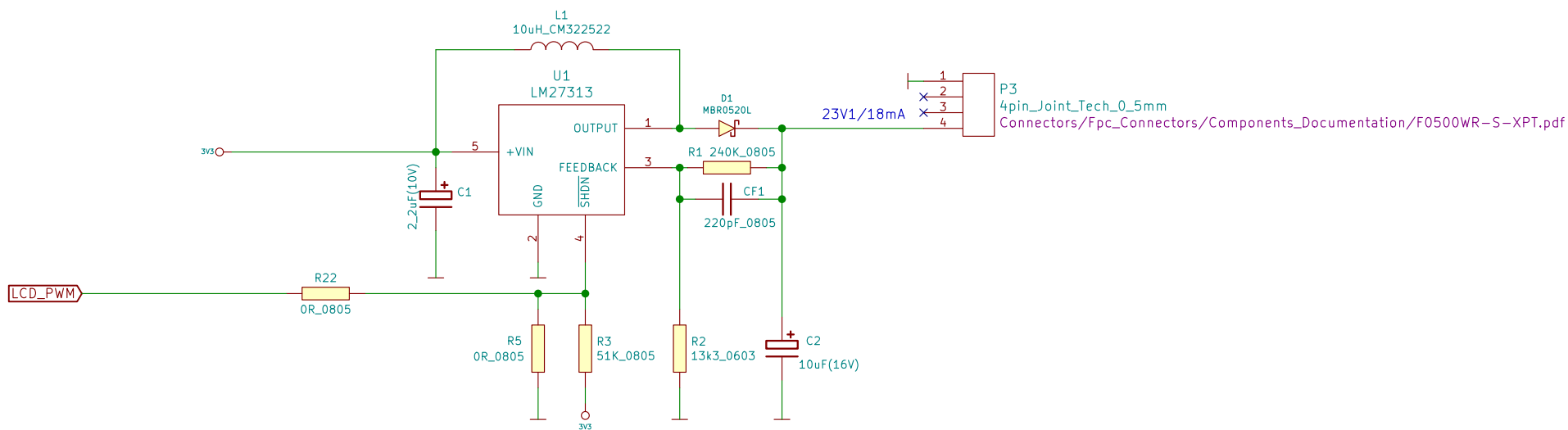
Size: A4

Date: 2017-10-27

Rev: V1_0

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Id: 1/4



All 0[Ohm] resistor is an option – do not use in normal power supply
 Set 12.5[V] constant output voltage
 SHDN(PWM) constantly connected to GND
 Step up Backlight LED module based on LM27313

EMAR

Sheet: /Backlight Power Supply/

File: Backlight.sch

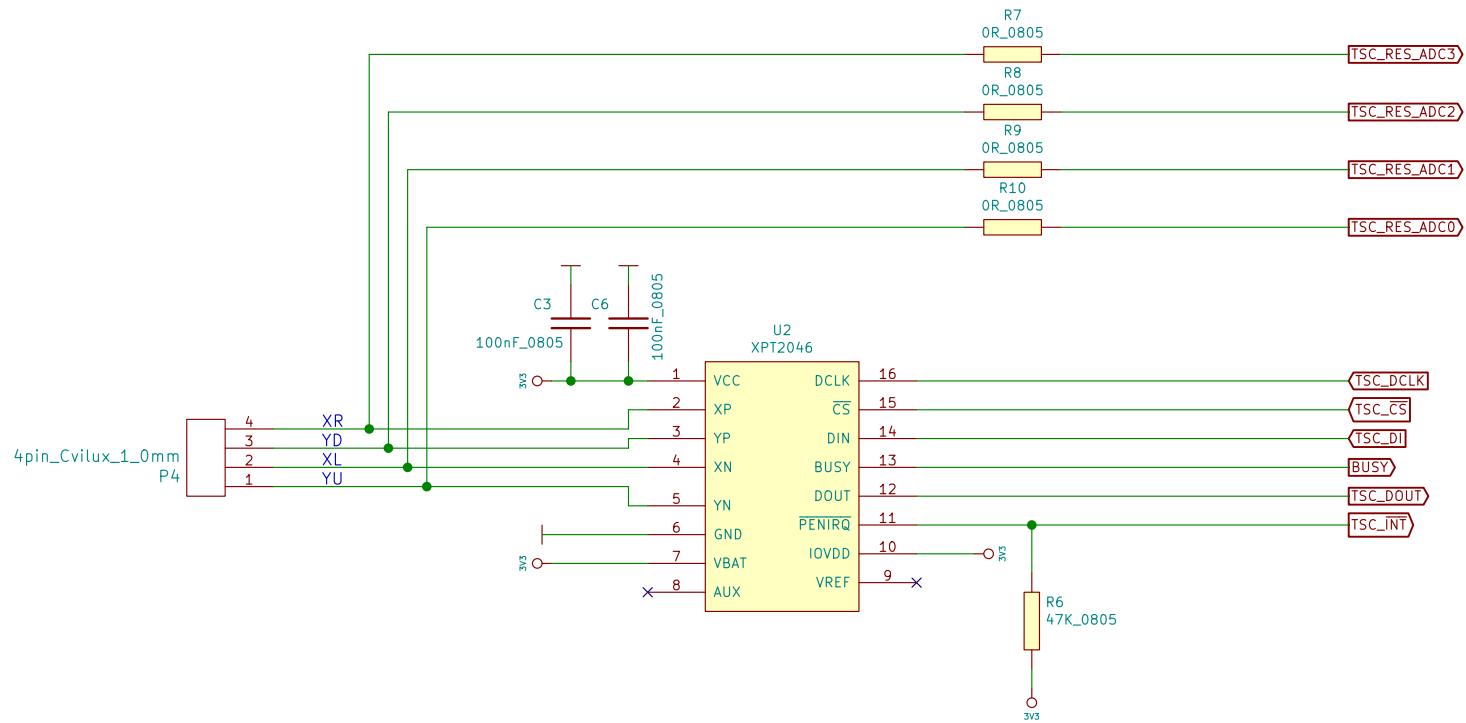
Title: TFT 4.3" AM480272H2T

Size: A4 Date: 2017-10-27

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Rev: V1_0

Id: 2/4



Resistive Touch Panel 4.3"

EMAR

Sheet: /Touchscreen/

File: Touchscreen.sch

Title: TFT 4.3" AM480272H2T

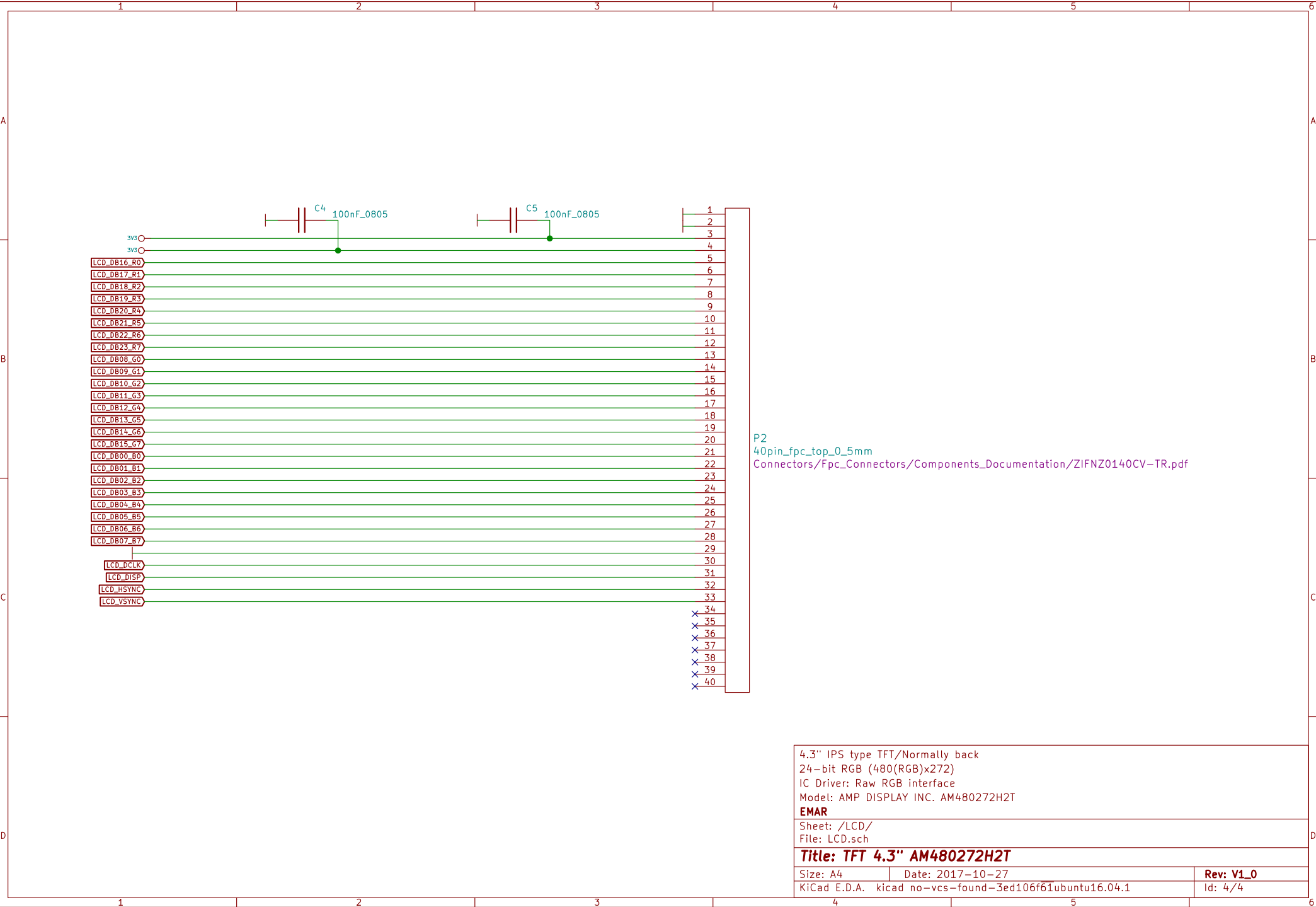
Size: A4

Date: 2017-10-27

Rev: V1_0

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Id: 3/4



4.3" IPS type TFT/Normally back		
24-bit RGB (480(RGB)x272)		
IC Driver: Raw RGB interface		
Model: AMP DISPLAY INC. AM480272H2T		
EMAR		
Sheet: /LCD/		
File: LCD.sch		
Title: TFT 4.3" AM480272H2T		
Size: A4	Date: 2017-10-27	Rev: V1_0
KiCad E.D.A. kicad no-vcs-found-3ed106f61ubuntu16.04.1		Id: 4/4