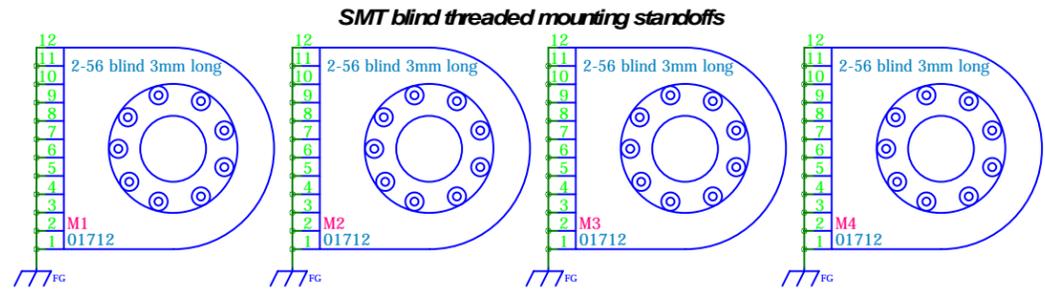
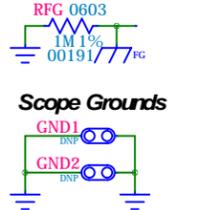


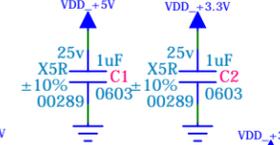
REV	ENGINEER	DATE	REMARKS
0.0	BAC	2015-08-31	Initial Creation
0.1	BAC	2015-08-24	Mnt Standoffs, +1 BL Jumper, HPM pol
-	-	-	-
-	-	-	-
-	-	-	-



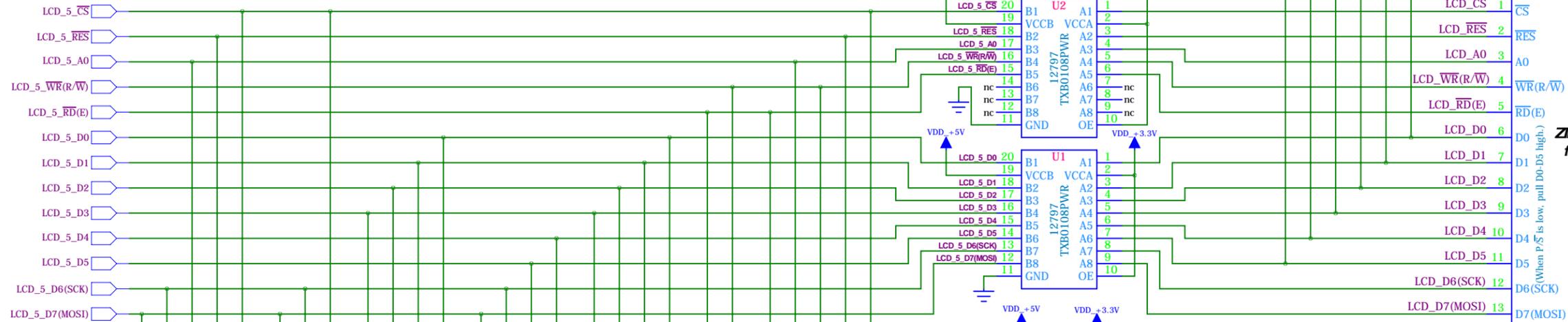
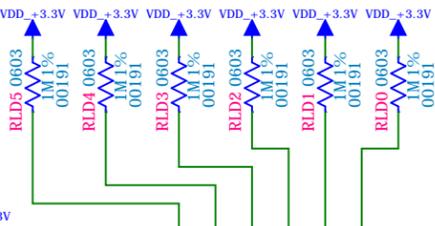
**ESD border discharge**



**5v ↔ 3.3v level translators (auto-direction)**



**Pull ups for unused SPI mode data lines.**

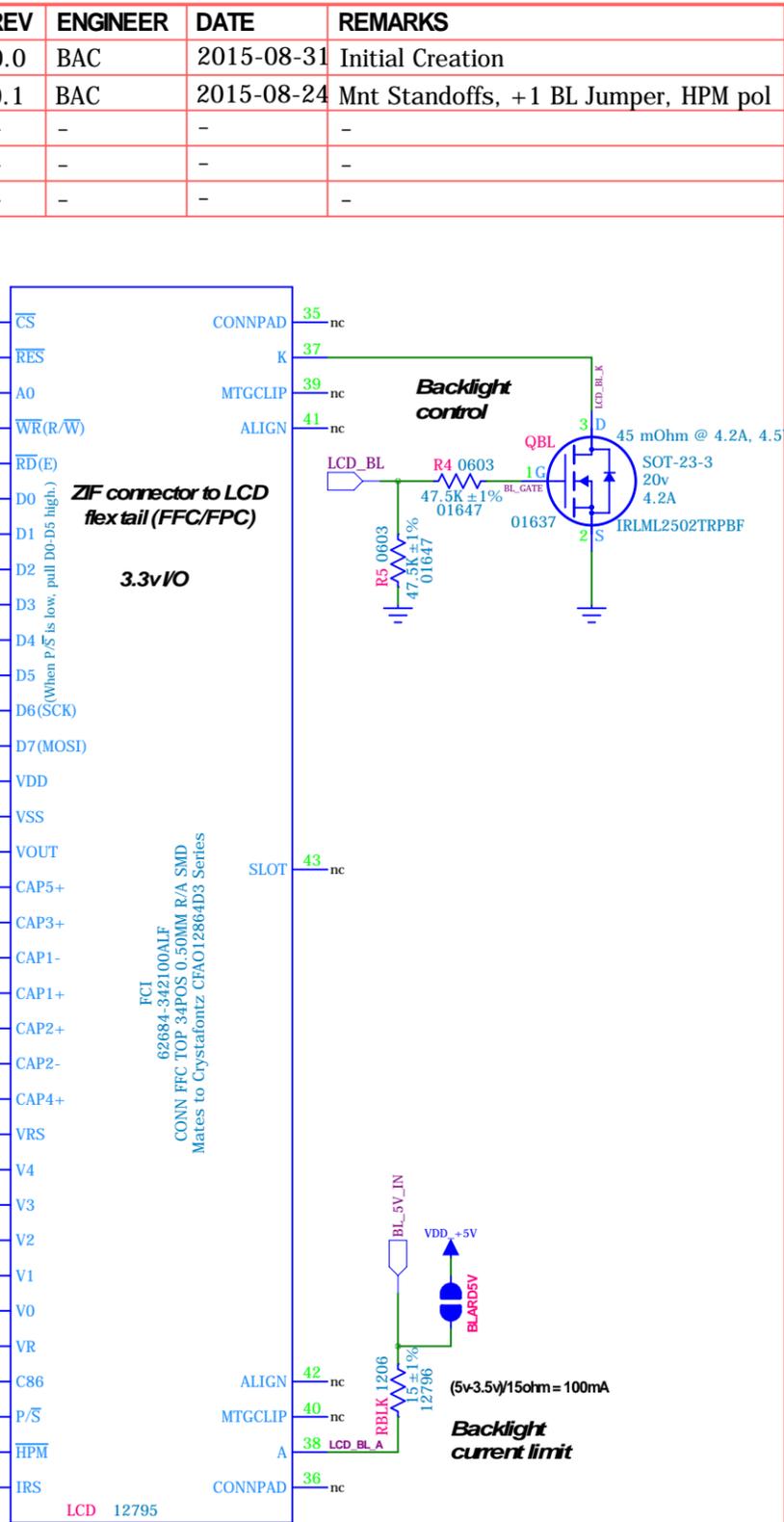
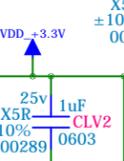


- Arduino configuration jumpers to support:**
- Hardware SPI [HS]
  - 8-bit parallel (contiguous) [P8]
  - 8-bit parallel (2x 4-bit nibbles) [P4]
  - Software SPI (AdaFruit example) [AF]

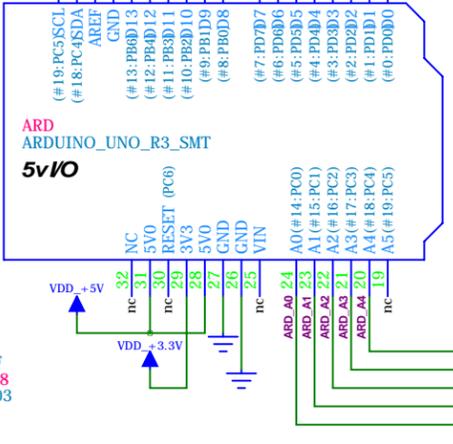
**LCD intermediate voltage level decoupling**



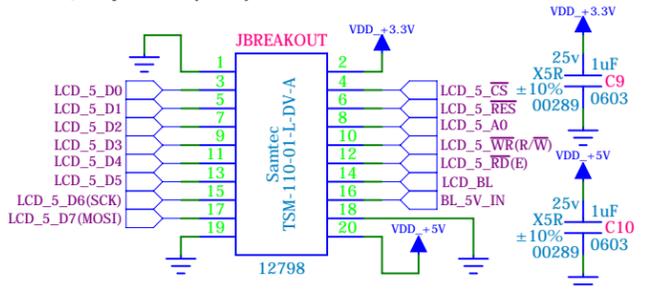
**4x voltage multiplier**



Single-row 0.1" headers positioned to allow use as an Arduino 128x64 LCD graphic display shield



**0.1", 20 position (2x10) header for use as a breakout board**



When not used as an Arduino shield, this board's I/O is not restricted to 5v. Refer to TXB0108PWR data sheet

**Crystalfontz America, Inc.**

**CFA-10072: CFA012864D3 Breakout / Demo Shield**

**Page 1 / 1 : Schematic**

FILE NAME: **CFA\_10072\_Schematic\_0v1.pdf**      REVISION: **0.1**