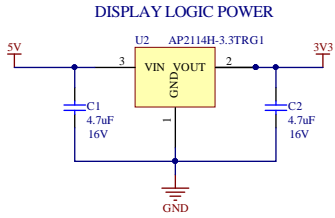
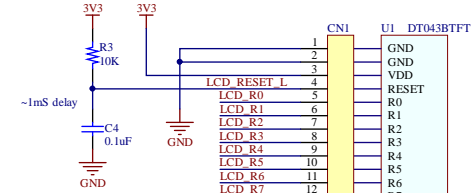
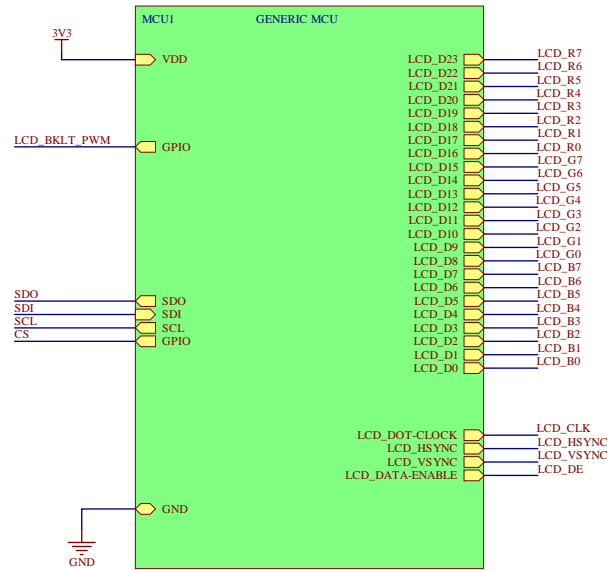


# DT043BTFT RGB Reference Design

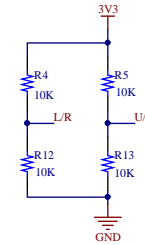
(RGB 24-BIT WITH SERIAL DATA CONFIGURATION)



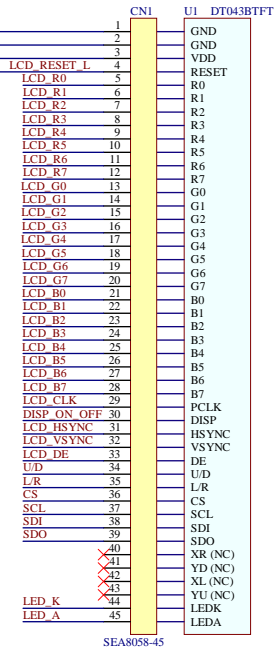
THESE SERIAL DATA SIGNALS ARE NOT FULLY COMPATIBLE WITH STANDARD SPI DATA PROTOCOLS. CUSTOM DRIVERS ARE NEEDED TO USE SPI HARDWARE PORTS.



CONSULT THE DATA SHEET FOR THE PARTICULAR MCU CHOSEN TO ENSURE THE LCD DATA CONNECTIONS ARE THE SAME AS THIS EXAMPLE.

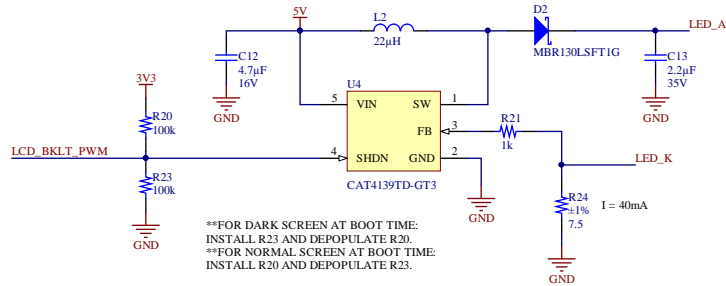


FOR LEFT-TO-RIGHT AND TOP-TO-BOTTOM SCAN, DEPOPULATE R12 AND R13.



DISPLAY


## BACKLIGHT



\*\*FOR DARK SCREEN AT BOOT TIME: INSTALL R23 AND DEPOPULATE R20.  
\*\*FOR NORMAL SCREEN AT BOOT TIME: INSTALL R20 AND DEPOPULATE R23.

SERIAL CONFIGURATION DATA HAS 6 BITS OF ADDRESS FOLLOWED BY TWO READ/WRITE BITS, THEN 16 BITS OF DATA. SEE THE HX8257-A01 DISPLAY DRIVER FOR DETAILS.

CHIP SELECT (CS) SIGNAL IS USED TO INITIATE A DATA TRANSFER SEQUENCE.

Project: DT043BTFT Reference Design			 a seacompany	
Title: DT043BTFT RGB Reference Design				
Size: A3	Doc Number: 1	Revision: REVA1	Drawn By: RCG	
Date: 2/7/2020	Time: 4:01:23 PM	Sheet: 1 of 1	Approved:	
File: DT043BTFT_RGB.SchDoc			Date:	
			SEACOMP Displaytech 2546 Gateway Road Carlsbad, CA 92009 USA	