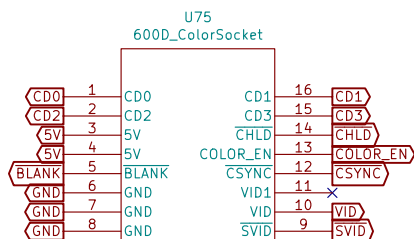
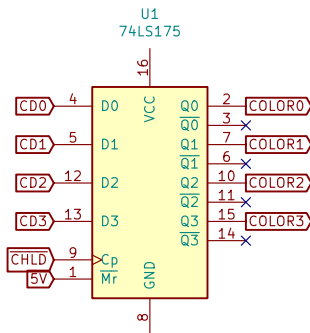


## U75 Colour Expansion

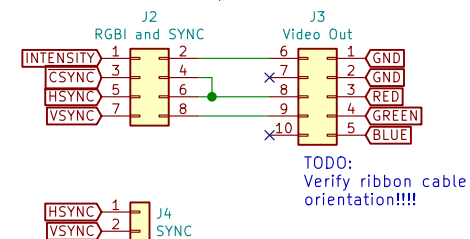


## Colour Latch



This is the RAW 4 bit data from the RAM. It is latched when data is valid. CD0 is used as an "Invert" bit. CD1 is the RED component. CD2 is the GREEN component. CD3 is the BLUE component.

## Video Output Header

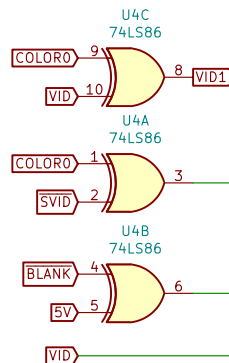


TODO: Verify ribbon cable orientation!!!!

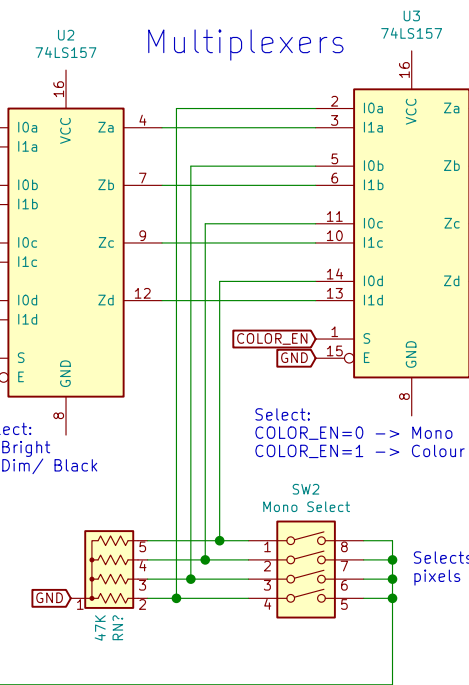
## MODE Jumpers



Mode Jumpers:  
-NORMAL : 1=ON, 2/3/4=OFF  
-OSI-like: 1=OFF, 2/3/4=ON

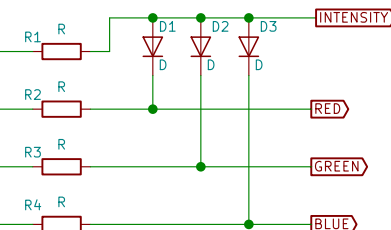


## Multiplexers



Select:  
0=Bright  
1=Dim/ Black

## RGBI to RGB Converter



For RGI Digital:  
\* Remove D1 to D4.  
\* Replace R1 to R4 with wire jumpers.

## Description

This circuit adds RGB output to Superboard Rev D or C1P Series II Boards. It has two COLOUR modes:  
1. Normal RGB analog or RGBI digital  
2. O.S.I.-like (Bright colour character on darker colour background, or inverted)  
When COLOR\_EN is 0 it is in MONO MODE and the a DIP SWITCH determines which RGBI bits appear (ie: G=Green, RGBI=white, GR=Amber) when the pixel is ON.

## Superboard 600D Colour

Steve J. Gray

Sheet: /  
File: OSI-600D-colour.sch

Title: Superboard 600D Colour

Size: A4 Date: 2019-04-20

KiCad E.D.A. kicad (5.1.0)-1

Rev: 1.0

Id: 1/1

Untested: Work in progress!!!