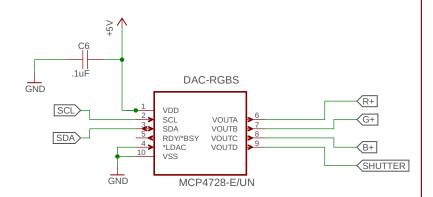
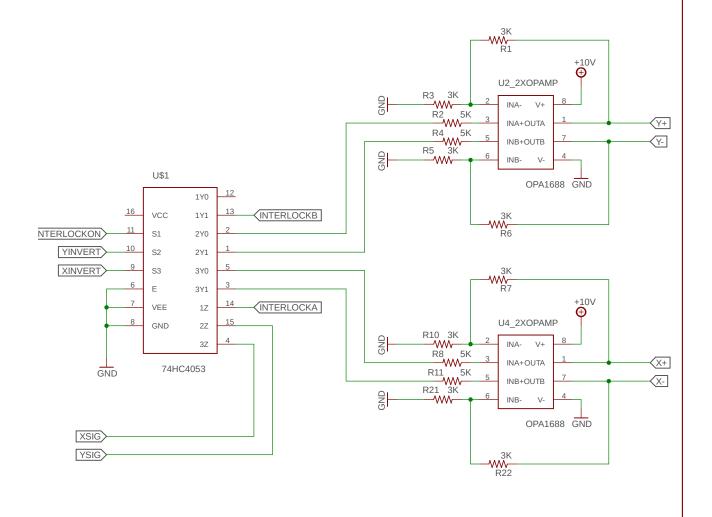


Date: 6/7/2018
TITLE:XY DACs Sheet: 2/5

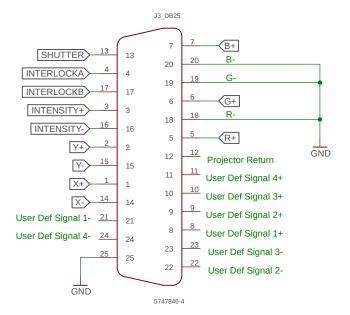




Date: 6/7/2018

TITLE: XY, RGB and Shutter Output

Sheet: 3/5



Date: 6/7/2018
TITLE: DB 25 Connector Sheet: 4/5

Alpha Version Notes:

Setup is proven against PRO-1600RGB from Laserworld, but DOES NOT adhere to ILDA specification.

Improvements From Alpha:*

ILDA Standard Conformance

74HC4503 is deprecated and must be replaced

PCB must be finalized and tested for conformance (Alpha was in a breadboard)

Move to External Power and regulation (USB fluctuates due to loads)

Changes Needed For ILDA Conformance**

+/- Signals need to be differential not ground referenced

Separate Power supply to account for lax current spec (USB cannot meet the maximum circumstance)

Date: 6/7/2018	
TITLE: RGB & Shutter Voltage	Sheet: 5/5

^{*} List is non-exhaustive and seeks to use proven ICs from the Alpha version

^{**} See ILDA standards to confirm. These are the most glaring issues.

Other non-important conformance may be additional IO connections on the DB-25 Connector, etc.