

REVISIONS			
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		DWN/CHK	DATE 06/04/2014	TIDA-00254 Camera Trigger Cable Assembly		
		SYS ENGR				
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NHA	USED ON	QA		SIZE A	DRAWING NO 2514095	REV A
APPLICATION		APVD		SCALE NONE	SHEET 1 OF 3	

TIDA-00254 Camera Trigger Cable Assembly

1. Scope

The purpose of this document is to establish the assembly requirements for the trigger cable between DLP LightCrafter 4500 trigger input J11 and the Point Grey Research FL3-U3-13Y3M USB 3.0 Camera GPIO connector.

2. Related Documents

DLP LightCrafter 4500 User's Guide (DLPU011)

- www.ti.com
- Read Section 7.2 "Output Trigger Connectors" (page 53)

Getting Started with the Flea3 USB3.0 Digital Camera

- <http://www.ptgrey.com/>
- Read "Camera Interface" Section (page 1) and "Installing Your Camera" Section (page 2)

3. Connections

Connect the respective LightCrafter 4500 output trigger pins to the corresponding Point Grey Camera GPIO pin.

Connection	LCr4500 J11 Pin	Point Grey Camera GPIO Pin
Trigger	2	3
Ground	3	5

4. Bill Of Materials

The following table lists the components necessary to construct the camera trigger cable.

Description	Manufacturer	Part Number
Camera GPIO Standard Circular Connector	Hirose Connector	HR25-7TR-8SA
LCr4500 Trigger Input Connector	Molex	51021-0600
LCr4500 Trigger Input Connector Crimps	Molex	50079-8100

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