

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ECO 2142301: Initial Release	06/04/2014	
B	Updated Camera GPIO Connector part number to Point Grey's pre-wired connector	09/22/2014	

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		DWN/CHK	DATE 06/04/2014	<b>TIDA-00254</b>  <b>Camera Trigger</b>  <b>Cable Assembly</b>	
		SYS ENGR			
	0314CP	MANU			
<b>NHA</b>	<b>USED ON</b>	QA		SIZE <b>A</b>	DRAWING NO <b>2514095</b>
<b>APPLICATION</b>		APVD		SCALE NONE	REV <b>A</b>
				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](http://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.

<b>Connection</b>	<b>LCr4500 J11 Pin</b>	<b>Point Grey Camera GPIO Pin</b>
Trigger	2	3
Ground	3	5

## **4. Bill Of Materials**

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

<b>Description</b>	<b>Manufacturer</b>	<b>Part Number</b>
Circular 8-pin pre-wired GPIO Hirose Connector (1.0 meter)	Point Grey	ACC-01-3000
LCr4500 Trigger Input Connector	Molex	51021-0600
LCr4500 Trigger Input Connector Crimps	Molex	50079-8100

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