

REVISIONS			
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A	Initial Release	03/31/2015	

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		DWN/CHK	DATE	<b>TIDA-00362</b>  <b>Camera Trigger</b>  <b>Cable Assembly</b>		
			03/31/2015			
		SYS ENGR				
	0314CP	MANU				
<b>NHA</b>	<b>USED ON</b>	QA		SIZE	DRAWING NO	REV
				<b>A</b>	<b>2514515</b>	<b>A</b>
<b>APPLICATION</b>		APVD		SCALE	SHEET 1 OF 3	
				NONE		

# **TIDA-00362 Camera Trigger Cable Assembly**

## **1. Scope**

The purpose of this document is to establish the assembly requirements for the trigger cable between DLP LightCrafter 6500 trigger input J20 and the Point Grey Research GS3-U3-41C6M-C USB 3.0 Camera GPIO connector.

## **2. Related Documents**

DLP LightCrafter 6500 User's Guide (DLPU028)

- [www.ti.com](http://www.ti.com)
- Read Section 4.1 "Input Trigger Connectors" (page 51)

Getting Started with the Grasshopper3 U3 USB 3.0 Camera

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

## **3. Connections**

Connect the respective LightCrafter 6500 output trigger pins to the corresponding Point Grey Camera GPIO pin.

<b>Connection</b>	<b>LCr6500 J20 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
LCr6500 Trigger Input Connector	Molex	51021-0600
LCr6500 Trigger Input Connector Crimps	Molex	50079-8100

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