

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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		DWN/CHK	DATE 07/28/2014	TIDA-00293 DLP 3D Printer Front Panel Switch Cable		
		SYS ENGR				
	0314CP	MANU				
NHA	USED ON	QA		SIZE A	DRAWING NO 2514180	REV A
APPLICATION		APVD		SCALE NONE	SHEET 1 OF 3	

TIDA-00293 Front Panel Switch Cable Assembly

1. Scope

The purpose of this document is to establish the assembly requirements for the cable between the front panel switches and the MSTP microcontroller cape.

2. Related Documents

TP Series Tiny Pushbutton Switches Datasheet

- <http://www.ck-components.com/index.php?module=media&action=Display&cmpref=13348&lang=en&width=&height=&format=&alt=>
- Section “Switch Function TP11” (page 2)

BeagleBone MSTP Cape Schematic

- ../Design Files/BEAGLEBONE MSTP CAPE/BeagleBone MSTP Cape Schematic.pdf
- J4 RS232 I/O Channel A connector (page 2)

3. Connections

Connect the following switch signals to the BBB MSTP header.

Connection	Switch Connection	BBB MSTP Cape J9
NEXT	SW1-1	23
BACK	SW2-1	24
GND	SW1&2-3	2

4. Bill Of Materials

The following table lists the components necessary to construct the front panel switch to MSTP Cape cable.

Description	Manufacturer	Part Number	Qty
Switch Connector (SW1 & SW2)	C&K	N/A Solder Wires to Switch Lugs	1
BBB MSTP Cape Connector	Sullins Connector Solutions	PREC040SAAN-RC (snap off 3 positions)	1

TIDA-00293 Front Panel Switch Cable Assembly

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