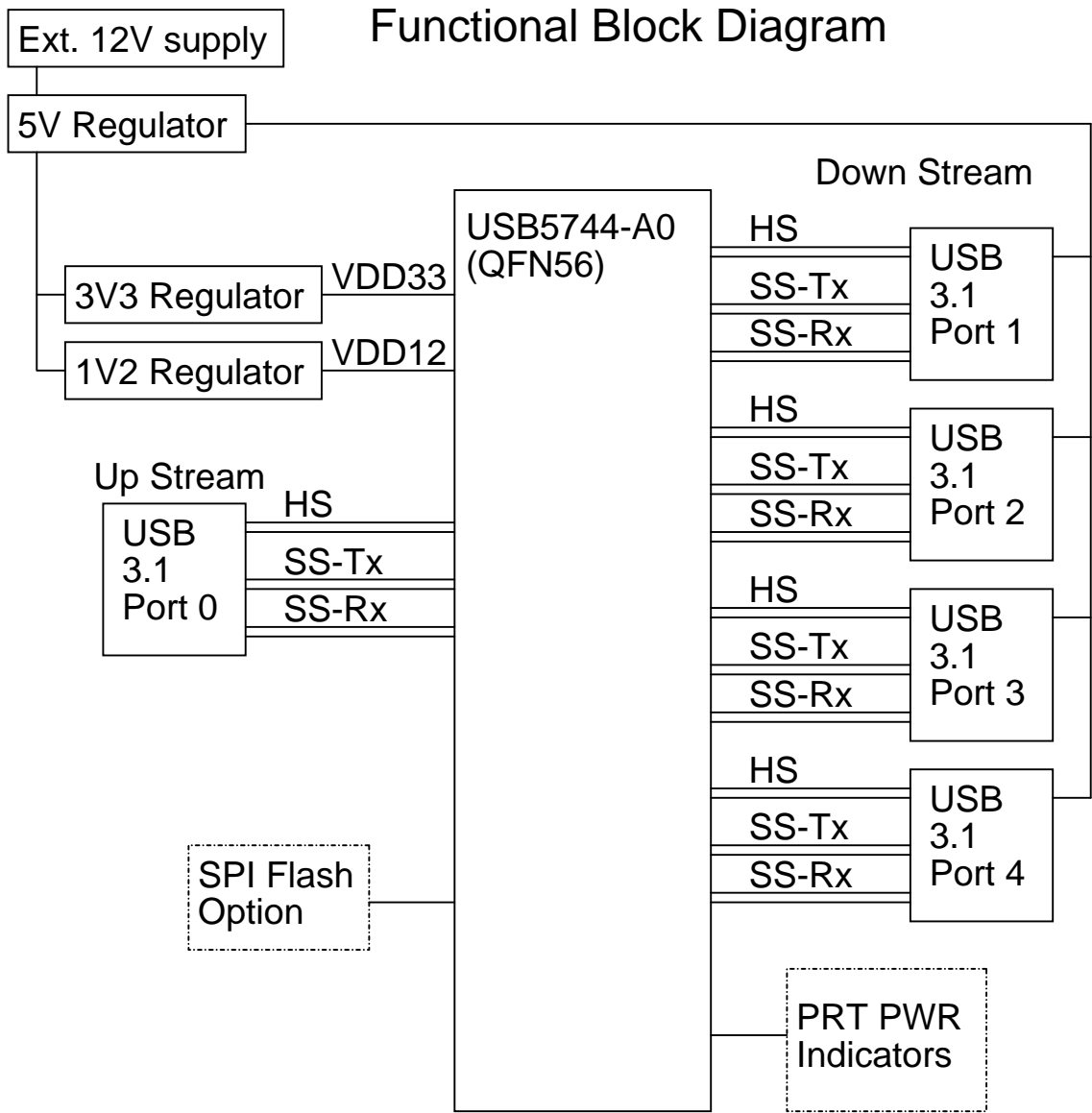


EVB-USB5744

Evaluation Board for USB5744-A0

Self-powered platform from 12 VDC
Can supply maximum USB current to all ports simultaneously
4 Down Stream USB 3.1 Gen 1 ports
Optional SPI programming and configuration
Battery Charging on all ports
2.1 A (max.) Port Power per any port.
Over 5 A (total) Port Power down stream at any one time!



Revision History

Revision	Date	Revision Summary	Author
00A	20140604	Initial design	C. Johnson
01A	20140616	Revised per initial feedback.	C. Johnson
02A	20140701	Revised per final feedback.	C. Johnson
A	20140711	Released	C. Johnson
A0	20141022	Changed part number for MUX IC between the SPI and Strap Select switches.	J. Hancock
A1	20150924	Changed all PPCs with new Micrel part number. This also caused a change in ILIMIT resistor for each PPC.	J. Hancock



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Description: **Evaluation Board for USB5744-A0, QFN56**

Page Content: **Title Page**

Project Name: **Truffle**

PN: **EVB-USB5744**

Size: **B**

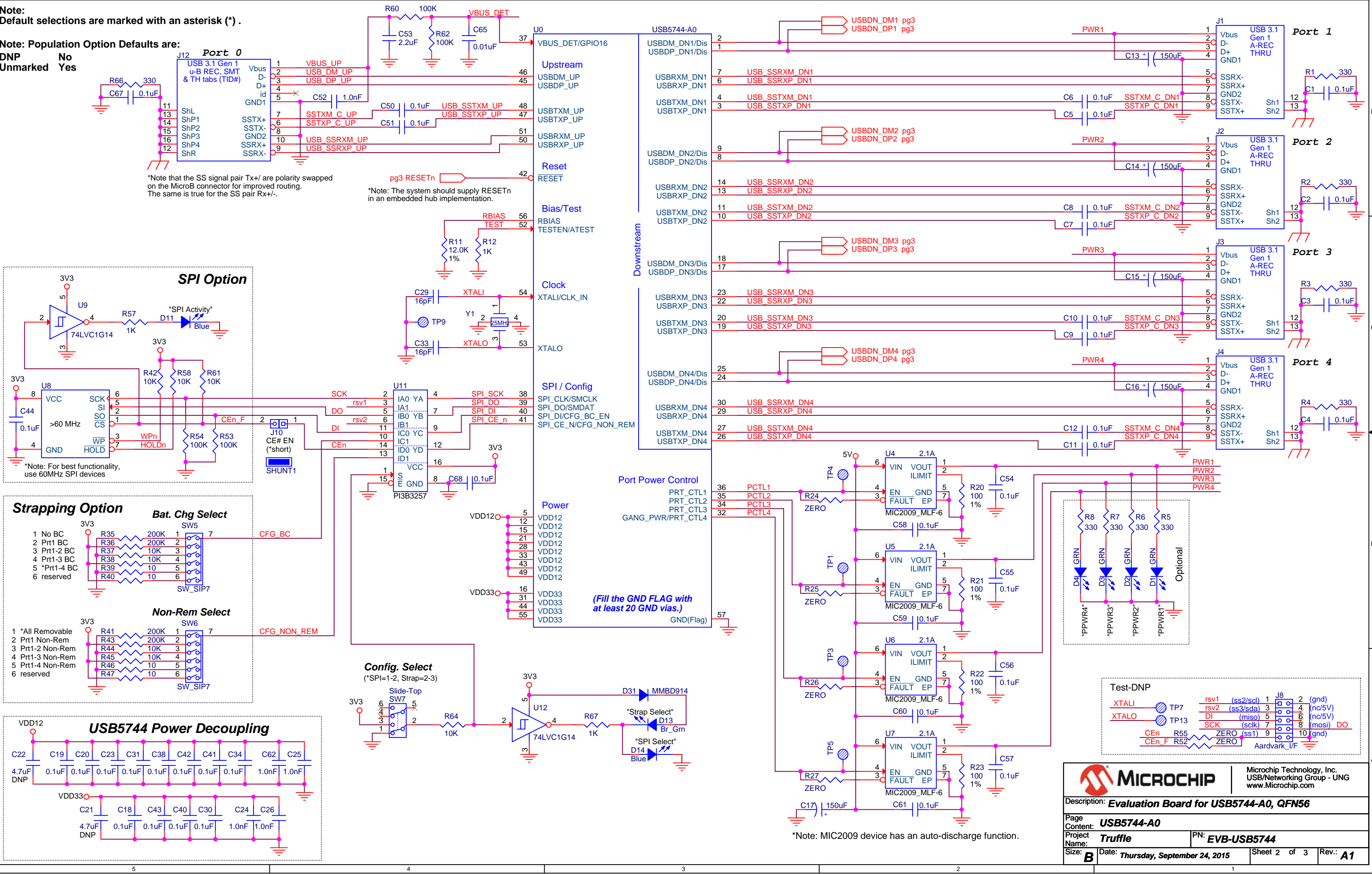
Date: **Thursday, September 24, 2015**

Sheet 1 of 3

Rev.: **A1**

Note: Default selections are marked with an asterisk (*).

Note: Population Option Defaults are:
DNP No
Unmarked Yes



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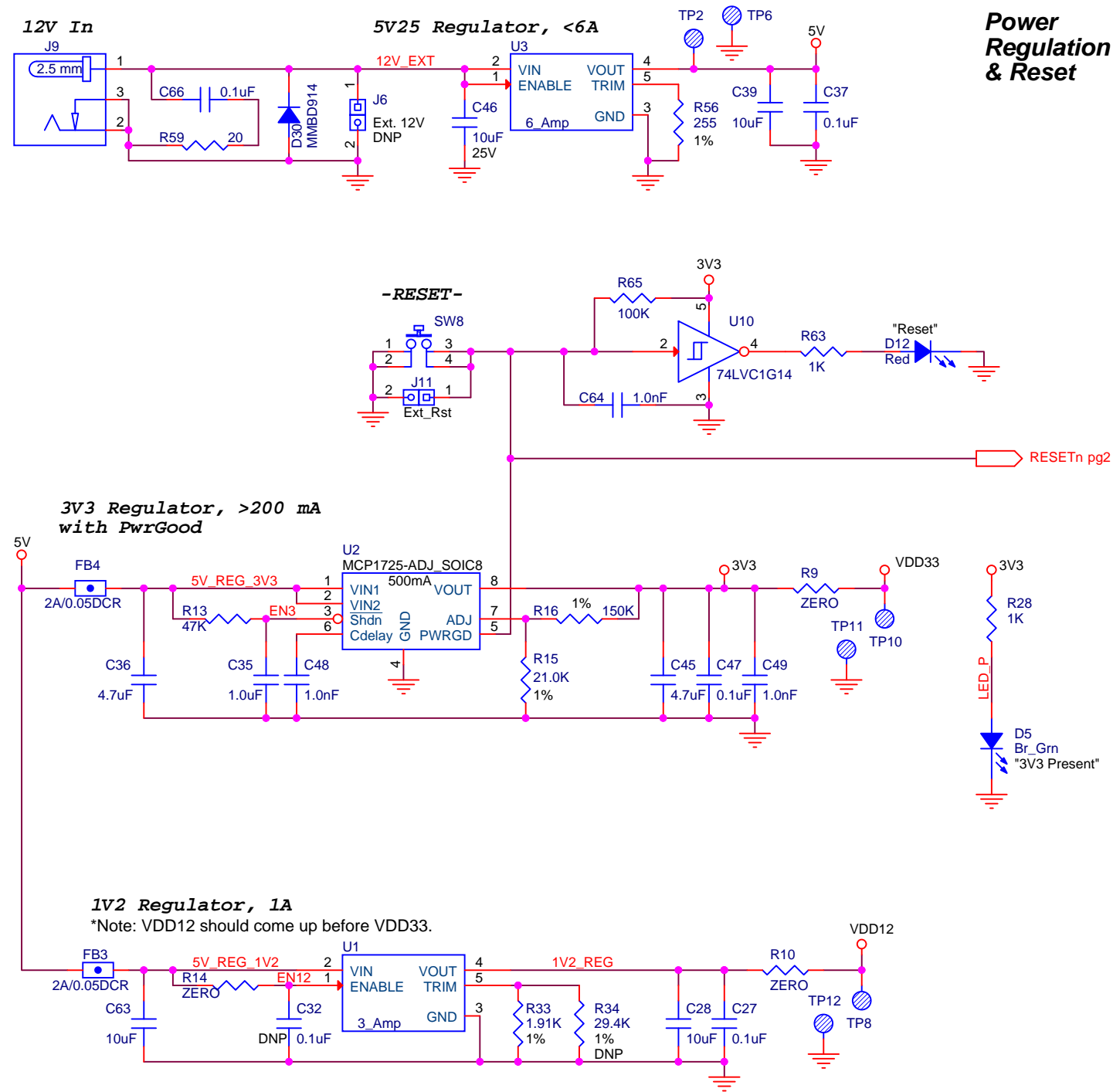
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Description: **Evaluation Board for USB5744-A0, QFN56**

Page Content: **USB5744-A0**

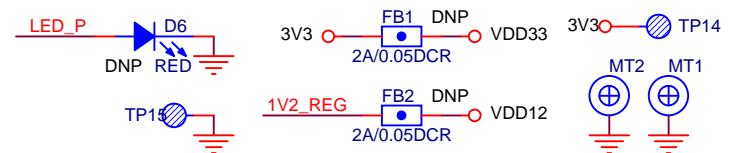
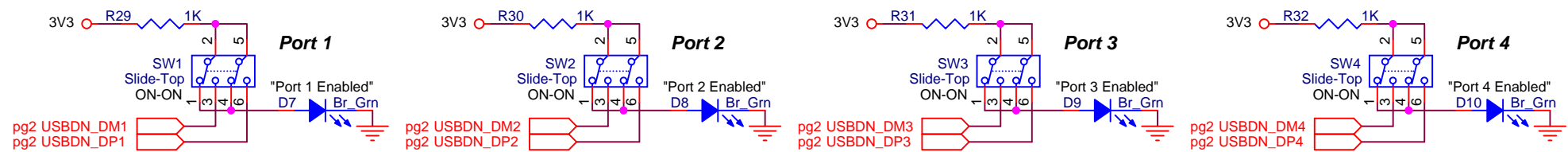
Project Name: **Truffle** PN: **EVB-USB5744**

Size: **B** Date: **Thursday, September 24, 2015** Sheet 2 of 3 Rev.: **A1**



Port Disable Strap Option

*Note: Pull up both DP and DM on a port to disable it.
(*1-2, Port Enabled, 2-3, Port Disabled)



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Description: **Evaluation Board for USB5744-A0, QFN56**

Page Content: **Regulators & Configuration**

Project Name: **Truffle** PN: **EVB-USB5744**

Size: **B** Date: **Thursday, September 24, 2015** Sheet 3 of 3 Rev.: **A1**