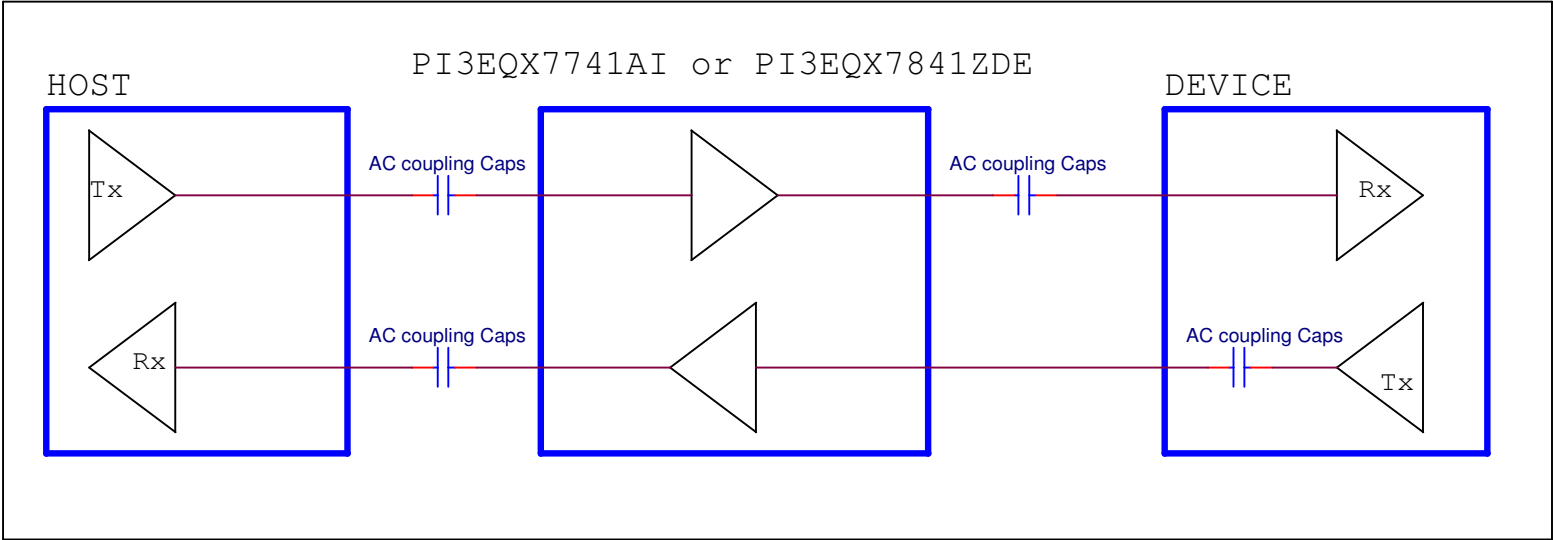


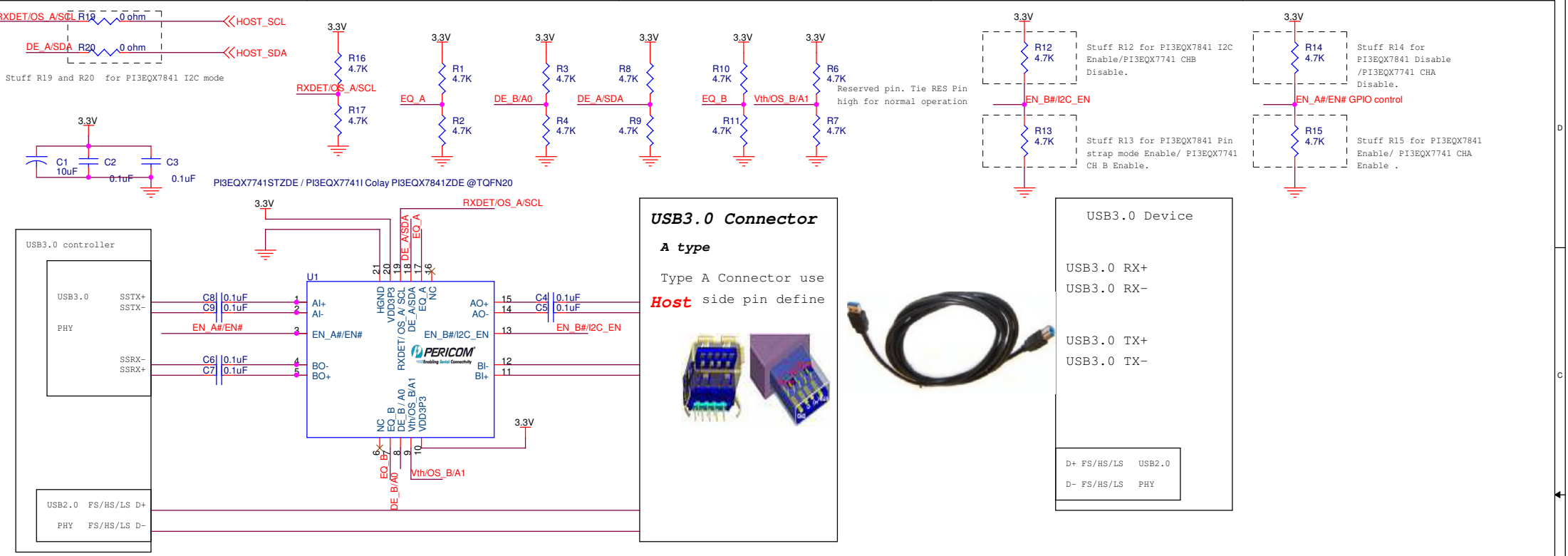
Revision History

Date	History
4/18/2014	First Released

Block Diagram



Title			
PI3EQX7741AI colay PI3EQX7841ZDE refernce design draw			
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NOTE: Type B Connector use DEVICE side pin define



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For PI3EQX7741 and PI3EQX7841

Output de-emphasis setting			
DE_A/B	De-emphasis		Description
Part	PI3EQX7741	PI3EQX7841	
0	0 dB	0 dB	R3 & R8 NC, R4 & R9 on
open	-3.5 dB	-3.5 dB	R3 & R8 NC, R4 & R9 NC
1	-6 dB	-6 dB	R3 & R8 on, R4 & R9 NC

Equalizer setting			
EQ_A/B	Equalizer setting (Pin strap control)		Description
Part	PI3EQX7741	PI3EQX7841	
0	3 dB	3.3 dB	R3 & R8 NC, R4 & R9 on
open	6 dB	8.1 dB	R3 & R8 NC, R4 & R9 NC
1	9 dB	11.7 dB	R3 & R8 on, R4 & R9 NC

NOTE:

After PCB layout, de-emphasis, and Equalizer should be fine tune

For PI3EQX7841

Output Swing setting (pin strap control)		
OS_A/B	output swing	Description
0	900 mVppd	R16 & R6 NC, R17 & R7 on
open	1000 mVppd	R16 & R6 NC, R17 & R7 NC
1	1200 mVppd	R16 & R6 ON, R17 & R7 NC

For PI3EQX7741

EN_x#	RxDet	Input R	Output R
1	X	Hi-Z	Hi-Z
0	1	50 ohm / Hi-Z	50 ohm / Hi-Z
0	0	50 ohm	50 ohm

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