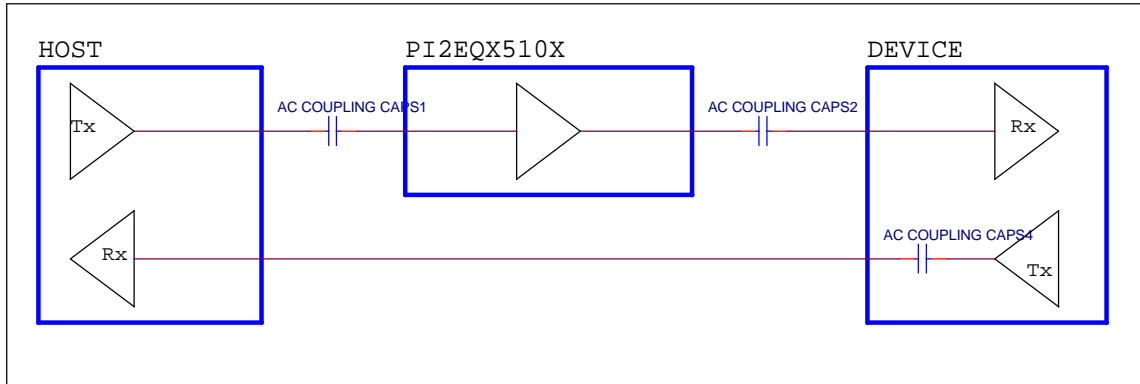


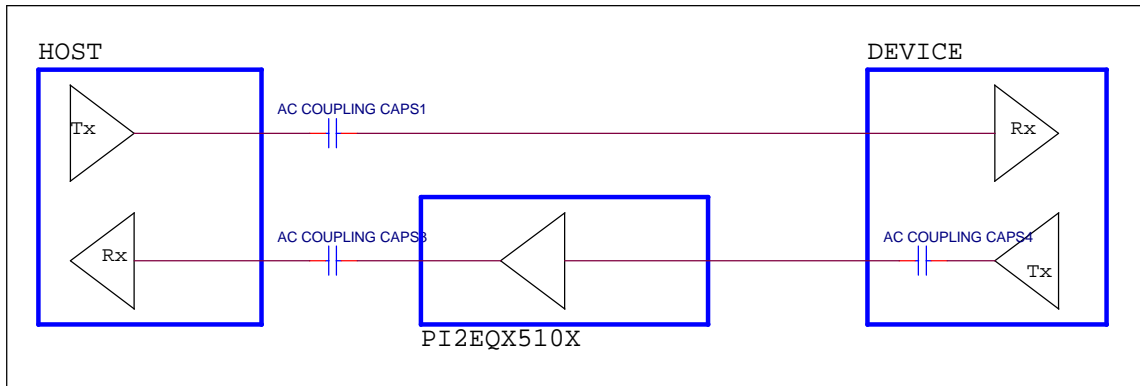
Revision History

Date	History
1/14/2014	First Released
1/06/2015	update block diagram and text for App in Host and add GND via information

Block Diagram_App in HOST TX side(Support Android OS only)



Block Diagram_App in HOST RX side



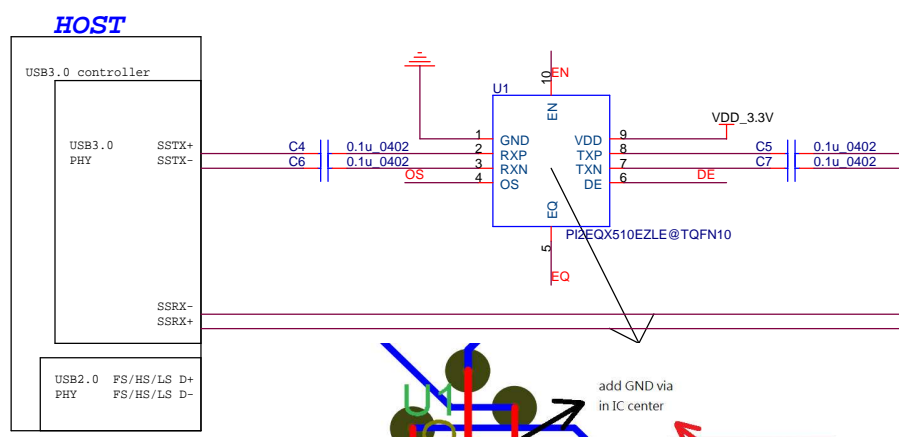
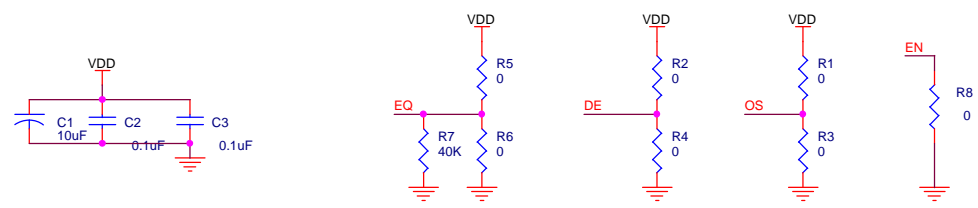
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Custom<Doc>		<RevCode>
Date:	Tuesday, January 06, 2015	Sheet 1 of 3
	2	1

PI2EQX510X application in HOST TX side

(HOST TX only support in Android OS)

Operation Voltage at Part Number

VDD	IC Part Number
1.2V	PI3EQX510T
1.5V	PI2EQX510F
1.8V	PI2EQX510E



USB3.0 Connector
A type
 Type A Connector use
Host side pin define



USB3.0 Device

USB3.0 RX+
 USB3.0 RX-
 USB3.0 TX+
 USB3.0 TX-

D+ FS/HS/LS	USB2.0
D- FS/HS/LS	PHY

NOTE:
 Type B Connector use DEVICE side pin define

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

Equalizer setting		
EQ	@2.5GHz	Description
0	3 dB	R5 ON, R6 NC, R7 NC
open	6 dB	R5 NC, R6 NC, R7 NC
1	9 dB	R5 NC, R6 ON, R7 NC
R	12 dB	R5 NC, R6 NC, R7 ON

Output de-emphasis setting		
DE	De-emphasis	Description
0	0 dB	R2 NC, R4 on
open	-3.5 dB	R2 NC, R4 NC
1	-6 dB	R2 on, R4 NC

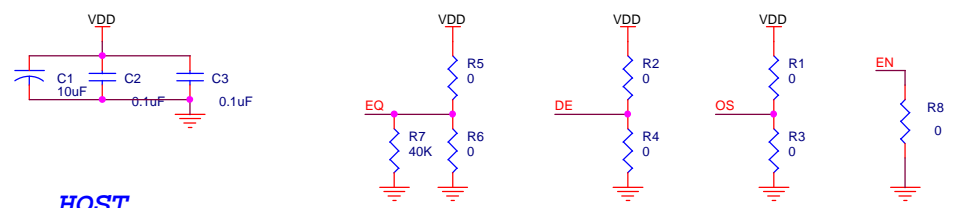
Output Voltage Swing setting		
OS	Voltage Swing	Description
0	700mV	R1 NC, R3 on
open	1000mV	R1 NC, R3 NC
1	1200mV	R1 on, R3 NC

Channel Enable Setting	
EN	Description
Disable	R8 ON
Enable	R8 NC (Internal Pull up)

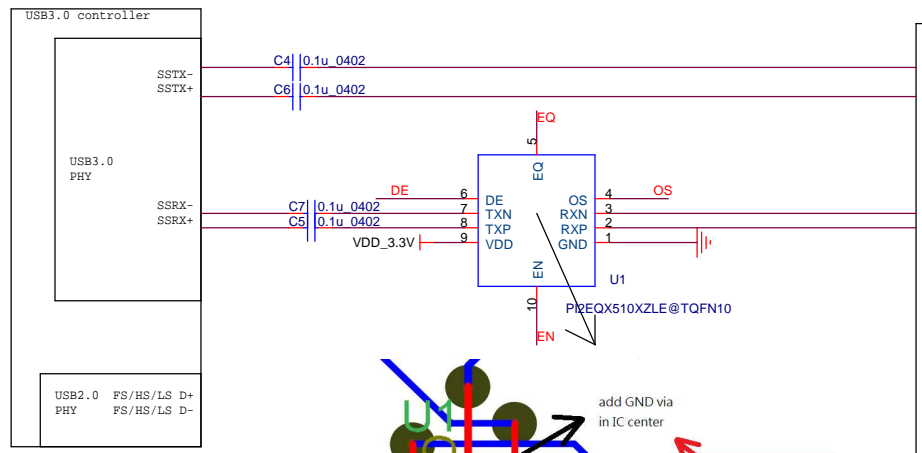
PI2EQX510X application in HOST RX side

Operation Voltage at Part Number

VDD	IC Part Number
1.2V	PI2EQX510T
1.5V	PI2EQX510F
1.8V	PI2EQX510E



HOST



USB3.0 Connector
A type

Type A Connector use **Host** side pin define

USB3.0 Device

USB3.0 RX+
USB3.0 RX-

USB3.0 TX+
USB3.0 TX-

D+	FS/HS/LS	USB2.0
D-	FS/HS/LS	PHY

NOTE:
Type B Connector use DEVICE side pin define

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Output Voltage Swing setting		
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Channel Enable Setting	
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