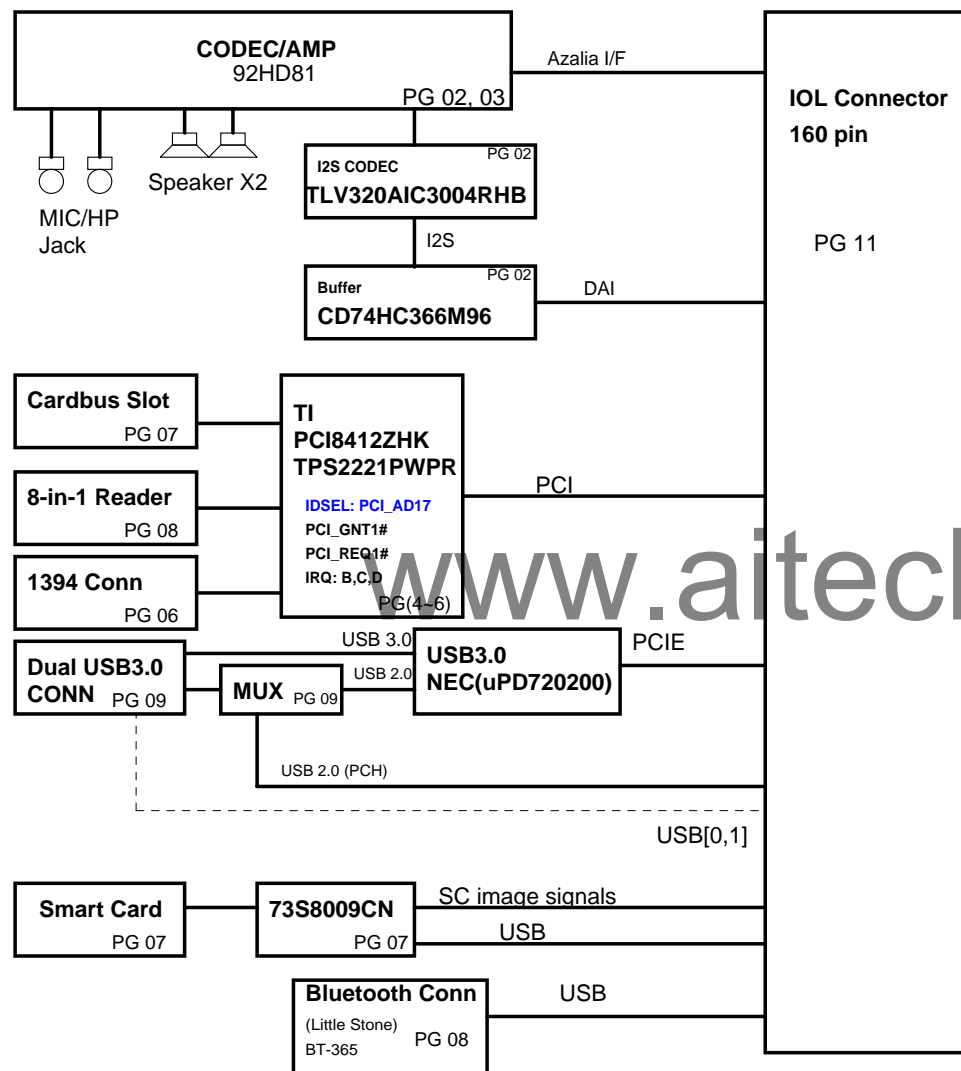
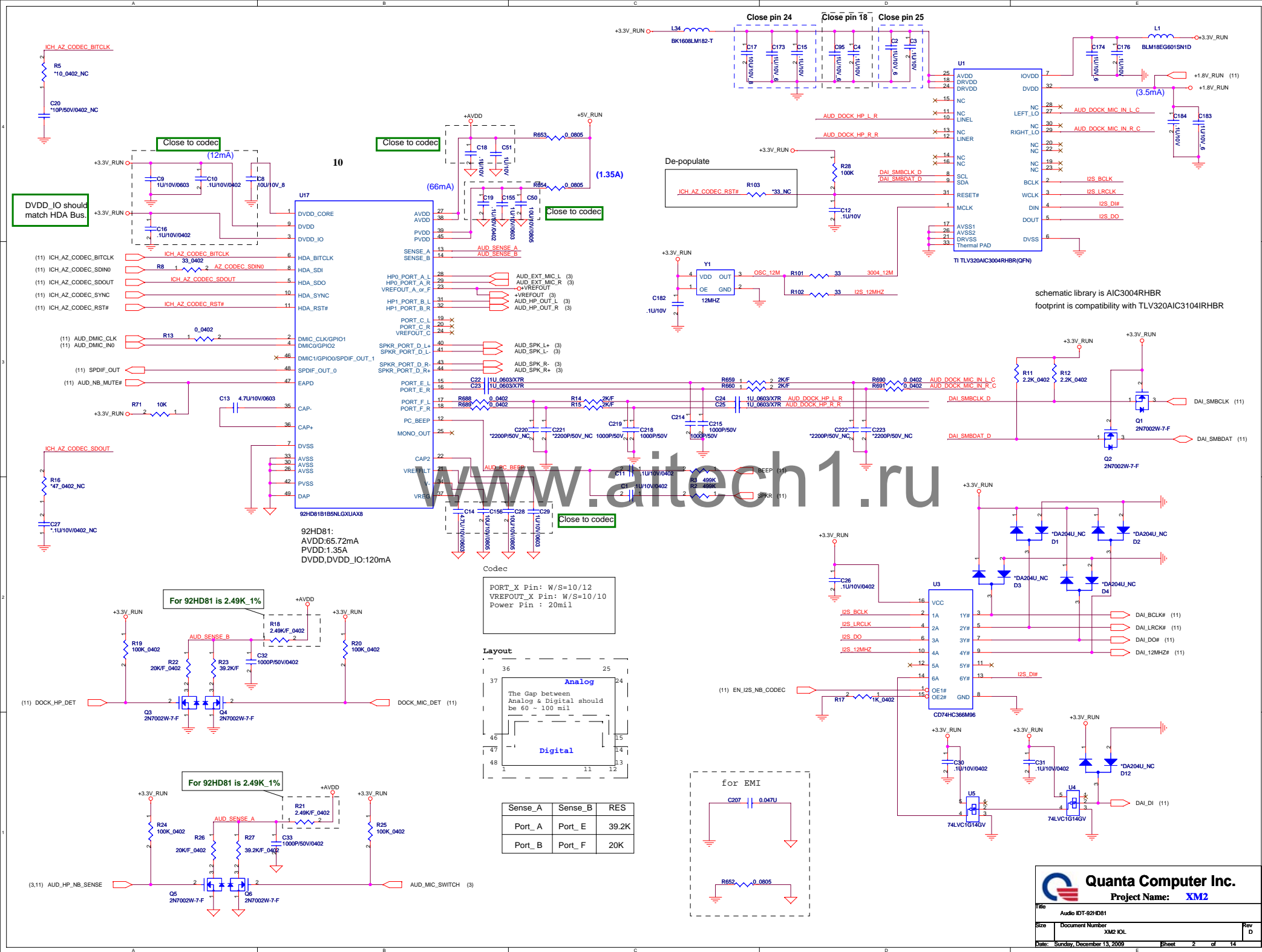
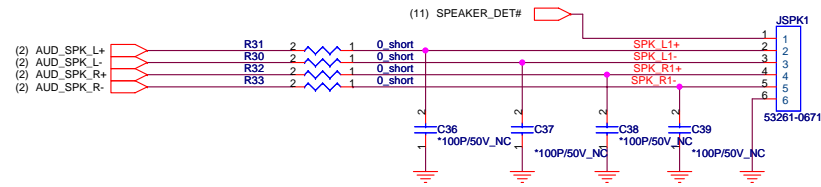


# XM2 IOL Board Block Diagram

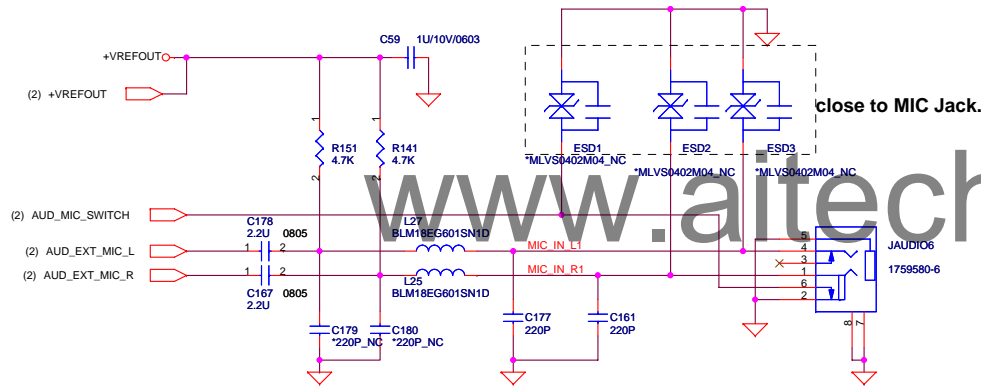




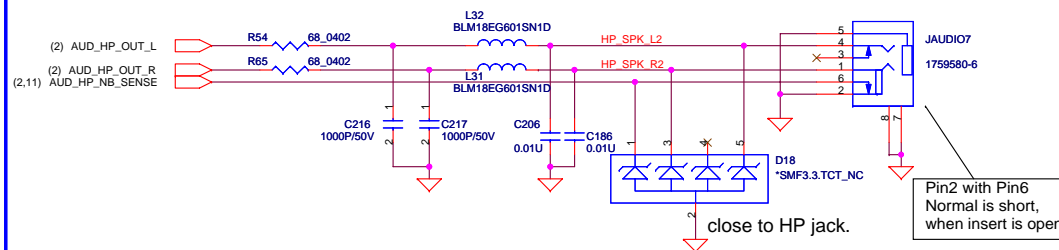
## SPEAKER CONNECTOR



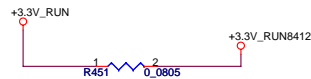
## Microphone



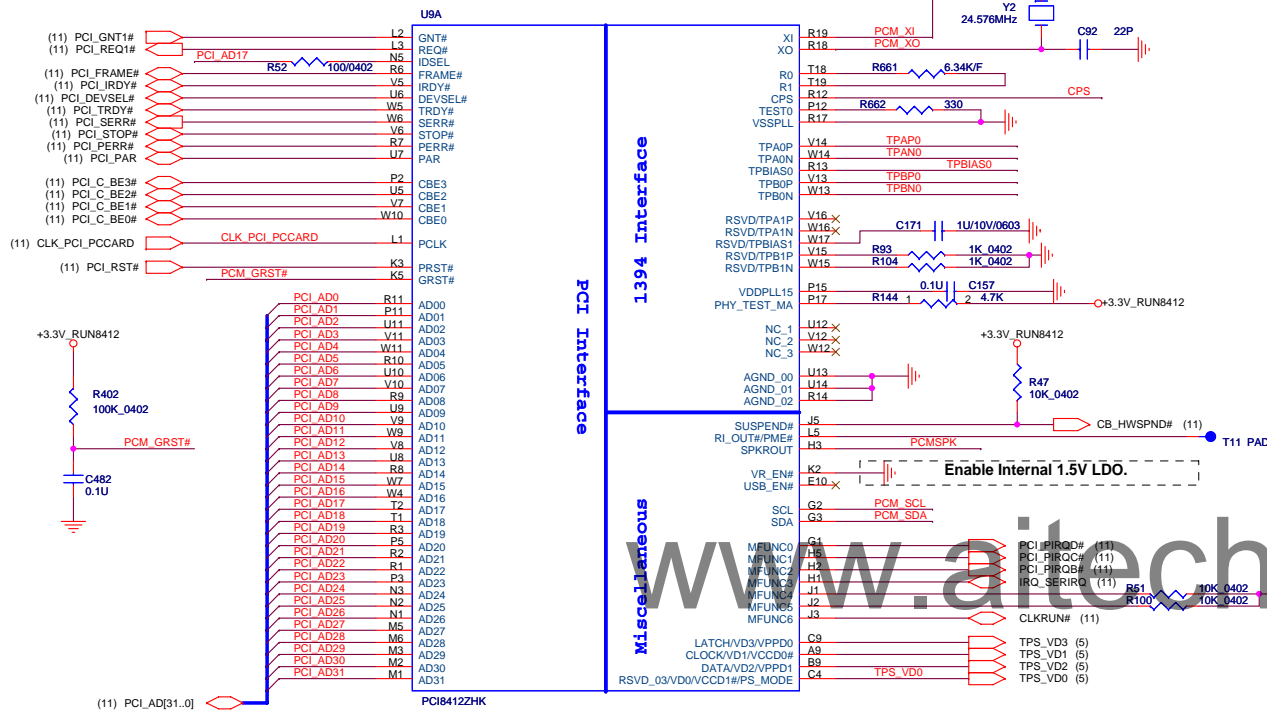
## HeadPhone



# PCI8412ZHK Power Source



# Wire to Board Connector 1394 CONN on daughter board.



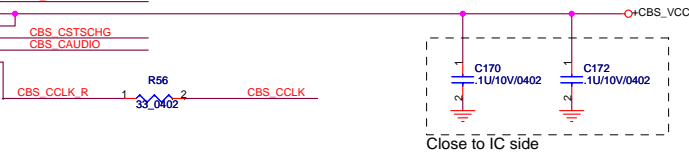
# PCI8412ZHK part B

U9B

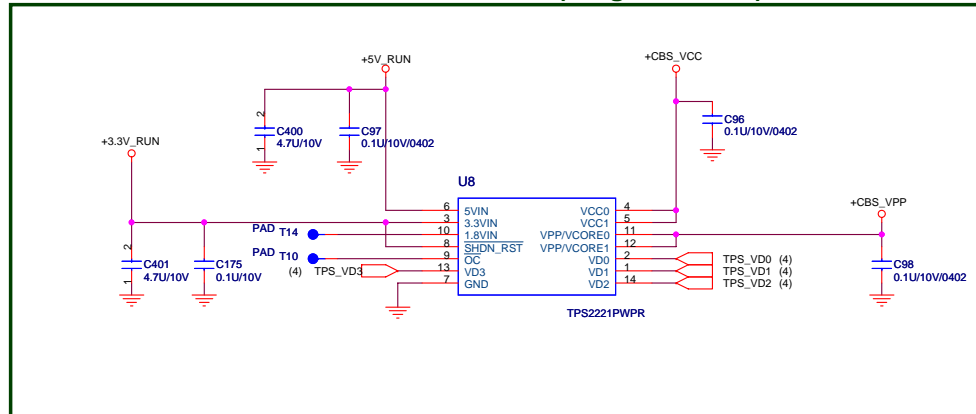
CardBus Interface

CAD31	C10	CBS CAD31
CAD30	E10	CBS CAD30
CAD29	E11	CBS CAD29
CAD28	E11	CBS CAD28
CAD27	C11	CBS CAD27
CAD26	B13	CBS CAD26
CAD25	C13	CBS CAD25
CAD24	A14	CBS CAD24
CAD23	B14	CBS CAD23
CAD22	B15	CBS CAD22
CAD21	E14	CBS CAD21
CAD20	A16	CBS CAD20
CAD19	D19	CBS CAD19
CAD18	E17	CBS CAD18
CAD17	E15	CBS CAD17
CAD16	H19	CBS CAD16
CAD15	J17	CBS CAD15
CAD14	J15	CBS CAD14
CAD13	K18	CBS CAD13
CAD12	K17	CBS CAD12
CAD11	K18	CBS CAD11
CAD10	L15	CBS CAD10
CAD09	L15	CBS CAD9
CAD08	L19	CBS CAD8
CAD07	M17	CBS CAD7
CAD06	M18	CBS CAD6
CAD05	M18	CBS CAD5
CAD04	N19	CBS CAD4
CAD03	M15	CBS CAD3
CAD02	N17	CBS CAD2
CAD01	N18	CBS CAD1
CAD00	P19	CBS CAD0
CCBE3	E13	CBS CC/BE3#
CCBE2	E18	CBS CC/BE2#
CCBE1	H18	CBS CC/BE1#
CCBE0	L17	CBS CC/BE0#
RSVD_04/D2	B10	CBS CDATA2
CCD1#/CD1#	N15	CBS CCD1#
CCD2#/CD2#	B11	CBS CCD2#
CVS1#VS1#	A13	CBS CVS1
CRST#	C15	CBS CRST#
CBLOCK#	J15	CBS CBLOCK#
CREQIN/PACK#	C14	CBS CREQ#
CSERR# WAIT#	C12	CBS CSERR#
CDEVSEL#	F19	CBS CDEVSEL#
CFRAME#	E18	CBS CFRAME#
CGRANT#	G17	CBS CGNT#
CINT#	E12	CBS CINT#
CVS2#VS2#	R16	CBS CVS2
CPERR#	G19	CBS CPERR#
CSTOP#	G18	CBS CSTOP#
CIRDY#	F17	CBS CIRDY#
CTRDY#	G15	CBS CTRDY#
RSVD_02/A18	H17	CBS CDATA18
RSVD_01/D14	M19	CBS CDATA14
CCLKRUN#	A11	CBS CCLKRUN#
CPAR	H14	CBS CPAR
VCCA_01	A15	
VCCA_00	J19	
CSTSCHG	A12	CBS CSTSCHG
CAUDIO	B12	CBS CAUDIO
CCLK	F18	

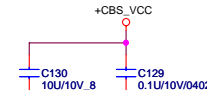
PCI8412ZHK



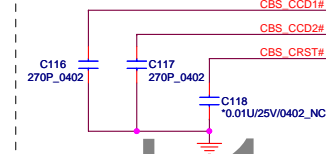
## TI TPS2221PWP (Single Parallel)



## Close to the connector



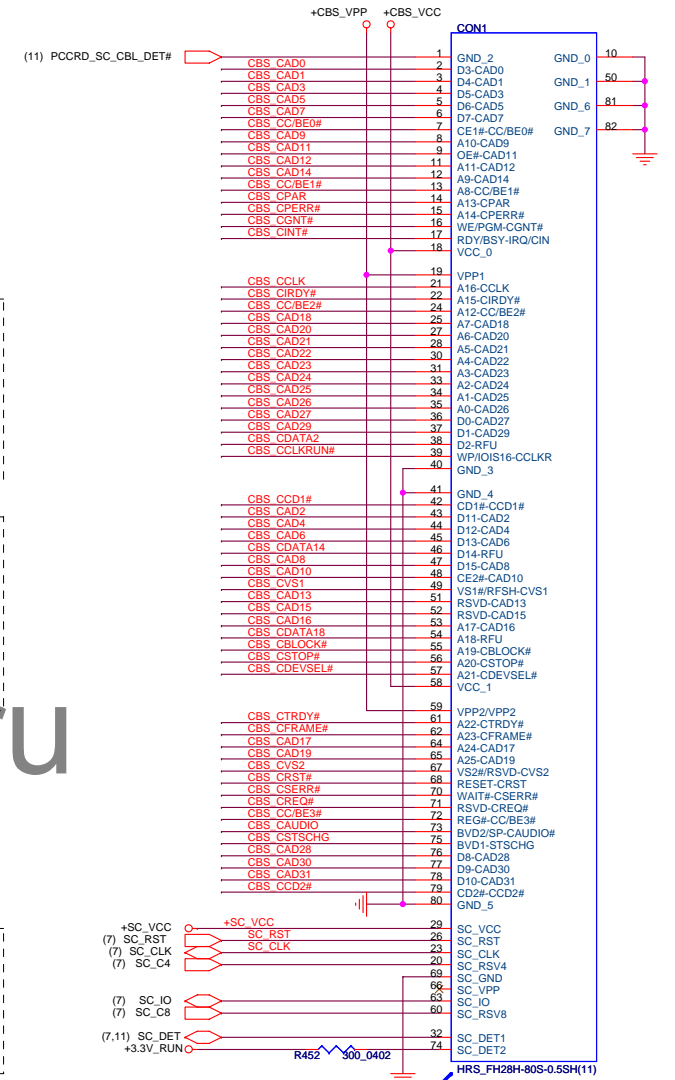
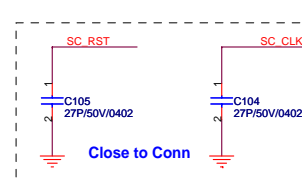
## Close to the connector



## Close to the connector



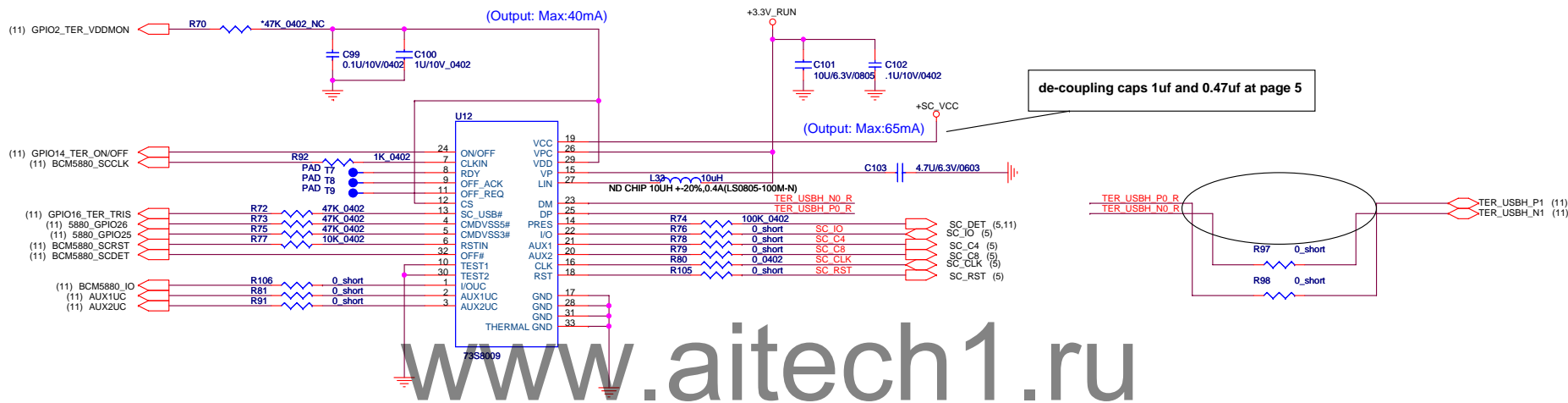
## Close to the connector



FPC Connector

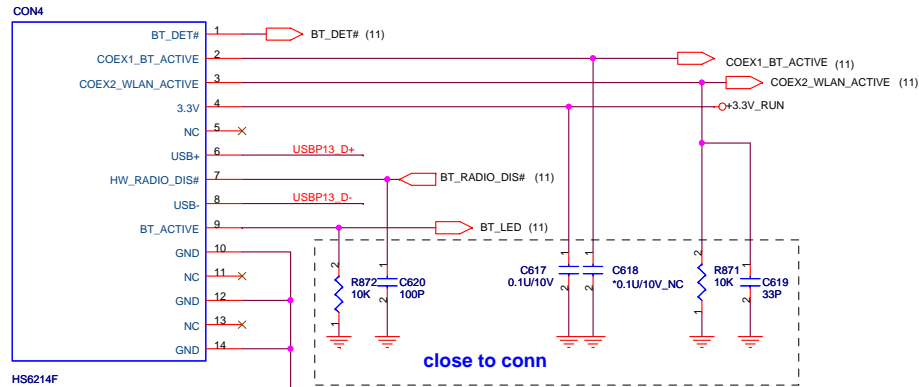
CardBus and SmartCard connector on Module side.



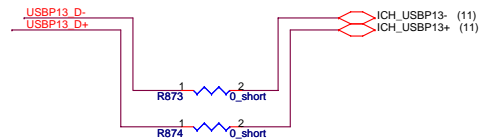


# Bluetooth

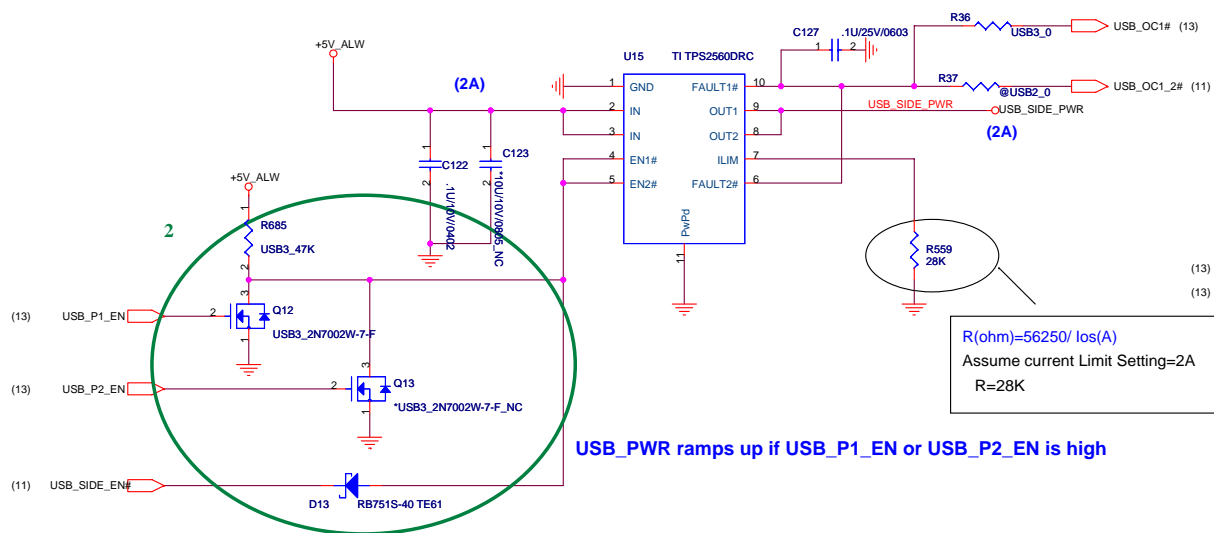
BT\_DET# (Pull-high on MB side)  
BT\_RADIO\_DIS# (Pull-high on MB side)



BT-365 (Little Stone) board to board conn

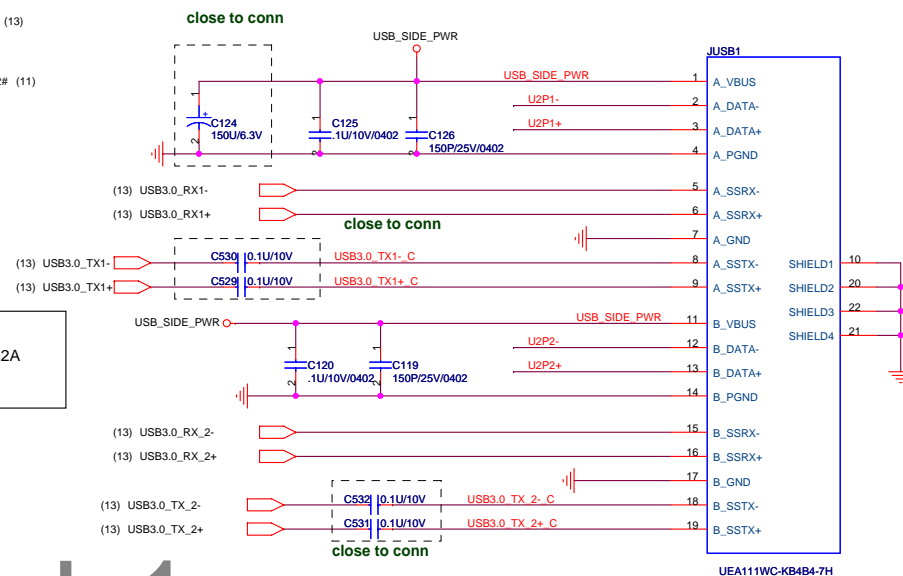






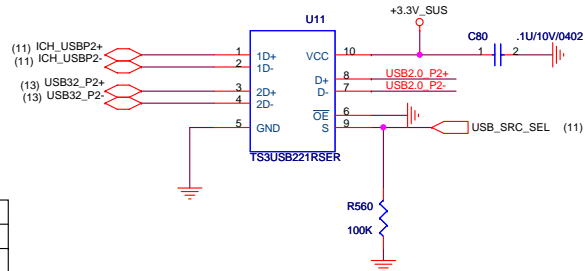
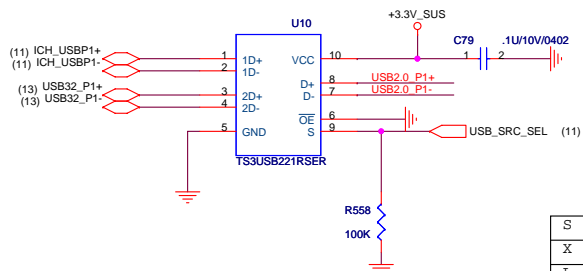
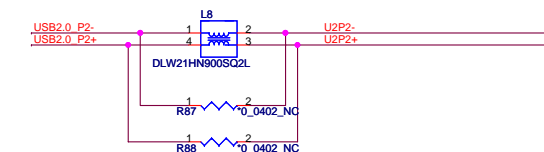
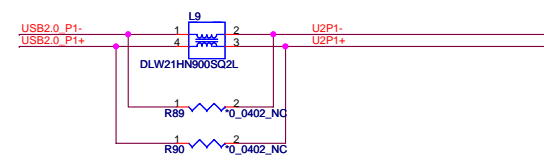
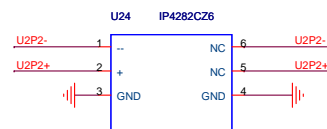
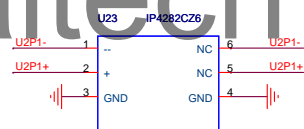
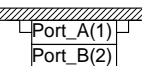
USB\_PWR ramps up if USB\_P1\_EN or USB\_P2\_EN is high

R(ohm)=56250/ Ios(A)  
Assume current Limit Setting=2A  
R=28K



USB3.0 dual conn

bottom mount

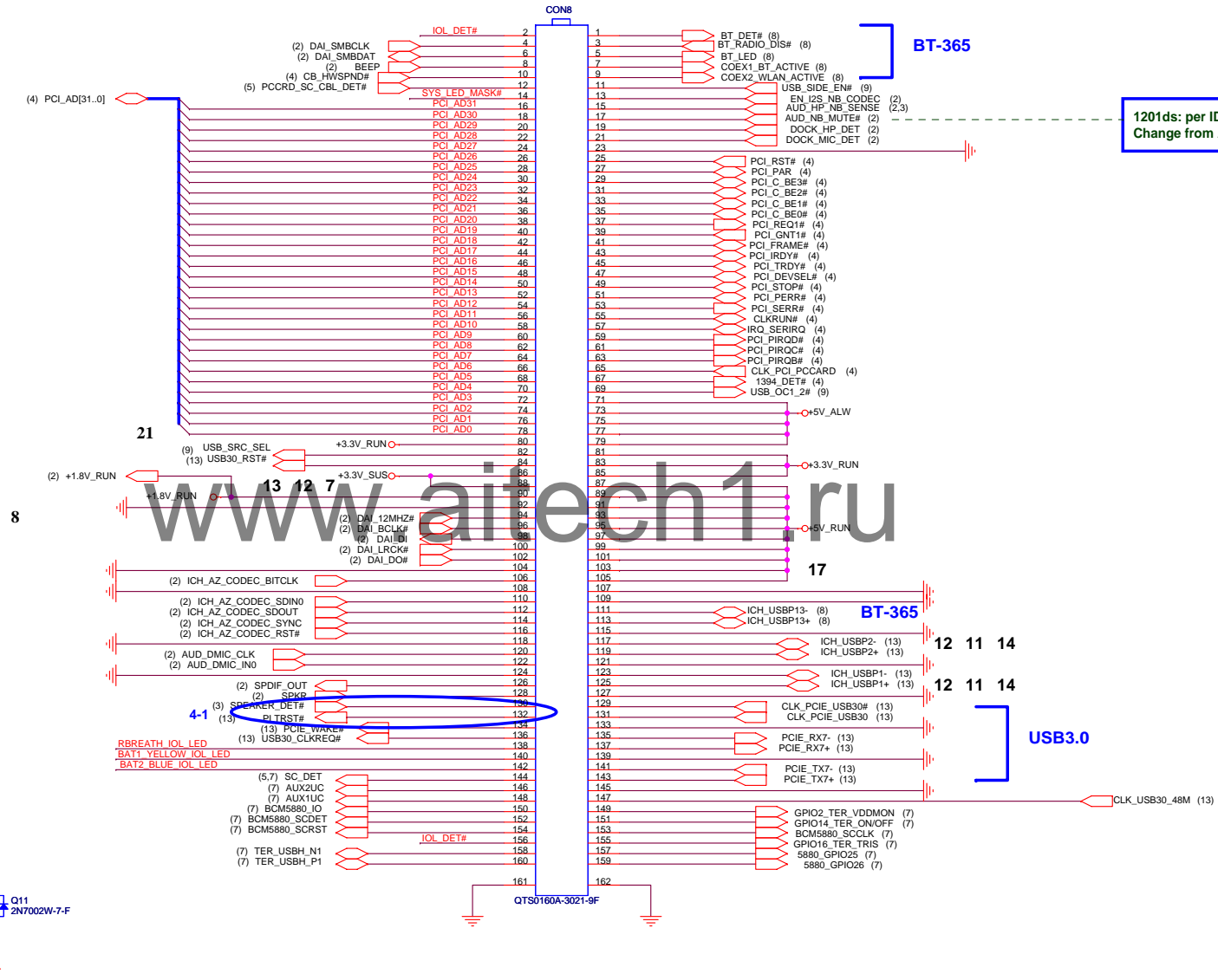


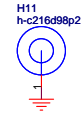
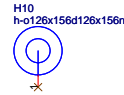
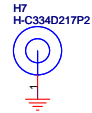
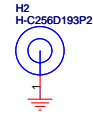
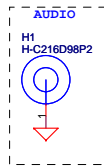
S	OE#	Function
X	H	Disconnect
L	L	D=1D
H	L	D=2D



# IOL CONNECTER

+3.3V\_RUN Max:3.5A  
+5V\_ALW Max:2A  
+5V\_RUN Max:4.85A





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