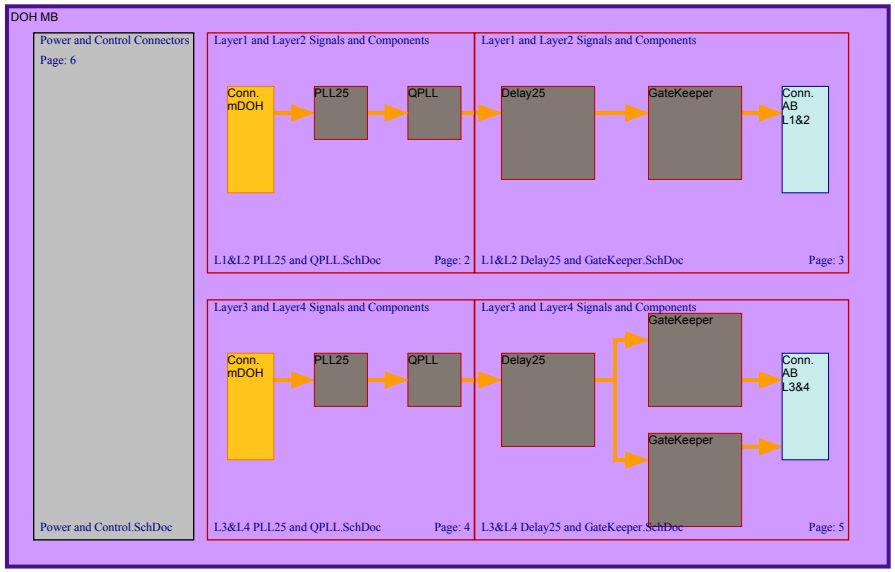


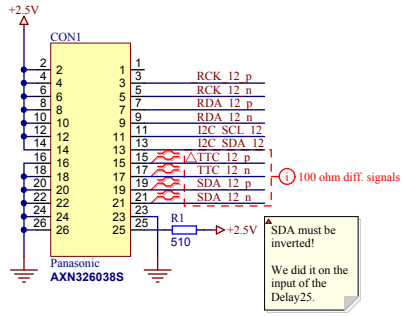
I2C Addresses:

I2C_1	A6	A5	A4	A3	
mDOH -Laser Driver	1	1	1	0	(14)
DOH MB -PLL25	1	0	0	0	(8)
DOH MB -DELAY25	1	1	0	0	(12)

I2C_3	A6	A5	A4	A3	
mDOH -Laser Driver	1	1	1	0	(14)
DOH MB -PLL25	1	0	0	0	(8)
DOH MB -DELAY25	1	1	0	0	(12)

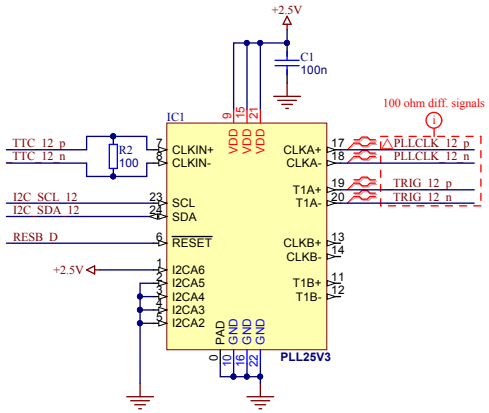
Wigner FK Budapest, Hungary www.wigner.hu	Title: ***DOH MB v2.1.1.PrjPCB*** *DOM Motherboard Top*		
	Size: *A3*	Scale: *-*	Document Number	Revision: *1.1*
Designer: T. Tölyhi			
Drawn by:	Modified: 2015.03.19.	Printed: 2015.06.15.	Sheet 1 of 6
Approved:	File: DOH MB v2.1.SchDoc		

mDOH Connector

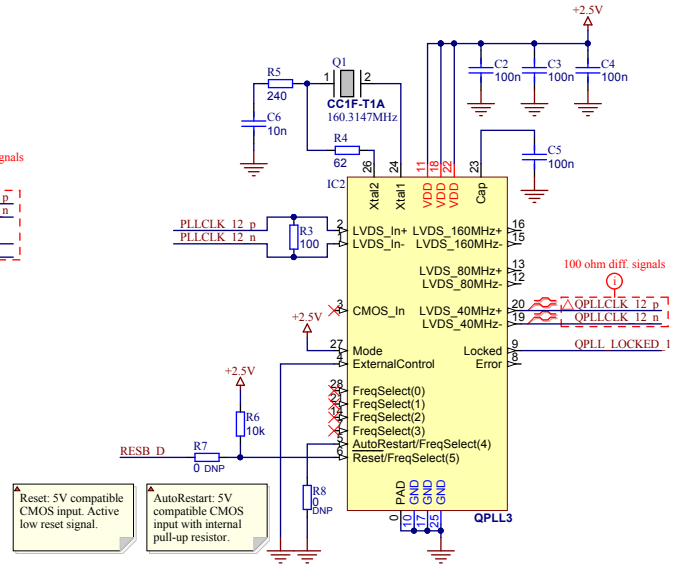


TPLL

I2C_Address: 1000 (8)



QPLL



QPLL Configuration:

ExternalControl = "0" and AutoRestart = "0" :
Automatic restart of the PLL is disabled. A frequency calibration cycle will only occur after a reset.

ExternalControl = "0" and AutoRestart = "1" :
Automatic restart is enabled. A frequency calibration cycle will occur each time the PLL is detected to be unlocked or after a reset.

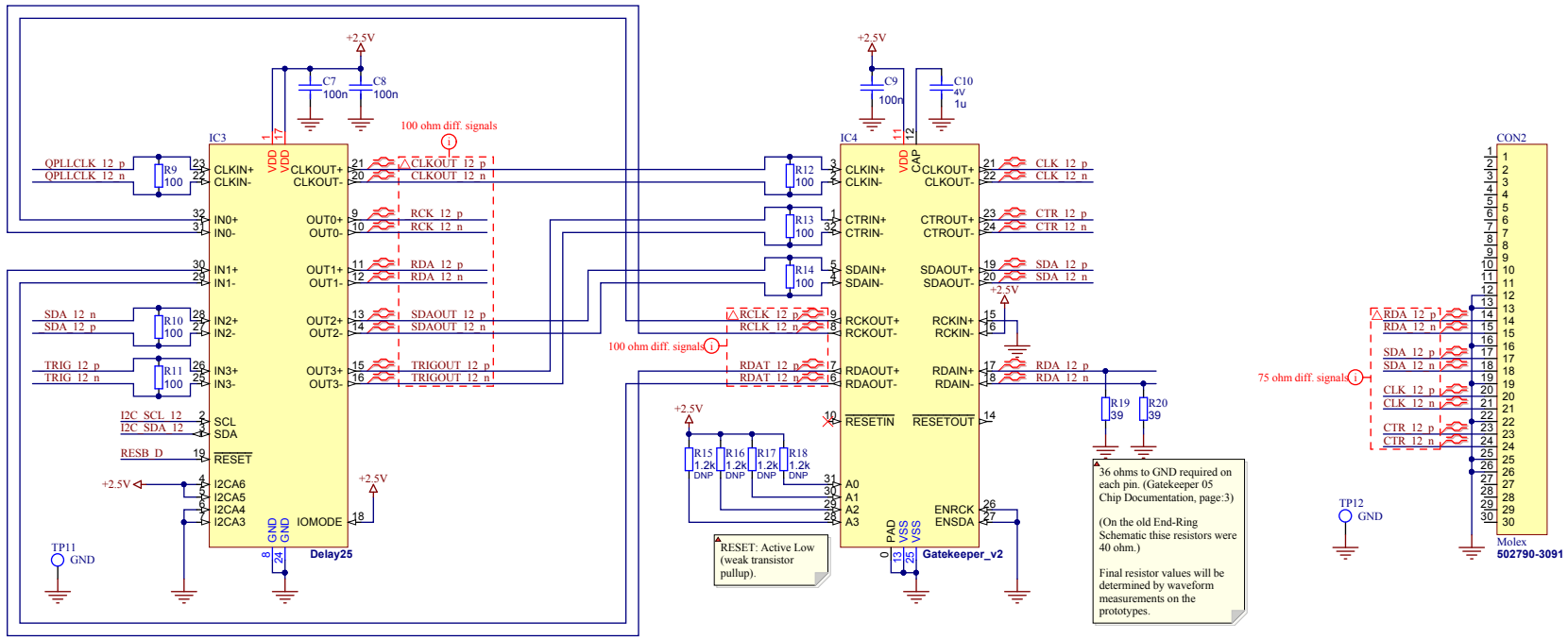
Wigner FK Budapest, Hungary www.wigner.hu	Title: ***DOH MB v2.1.1.PrjPCB*** ***Layer1&2 PLL25 and QPLL***		
	Size: *A3*	Scale: *-*	Document Number	Revision: *1.1*
Designer: T. Tölyhi			
Drawn by:	Modified: 2015.06.15.	Printed: 2015.06.15.	Sheet 2 of 6
Approved:	File: L1&L2 PLL25 and QPLL.SchDoc		

Delay25

I2C_Address: 1100 (12)

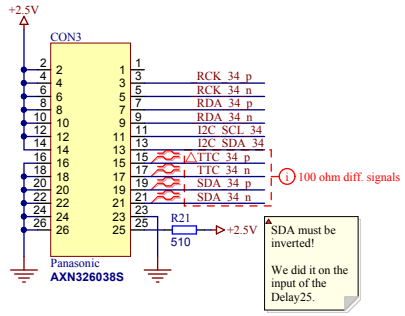
GateKeeper

AdapterBoard L1&L2 Connector



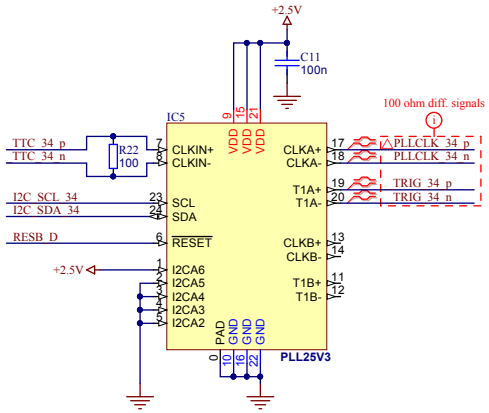
Wigner FK Budapest, Hungary www.wigner.hu	Title: *DOH MB v2.1.1.PrjPCB* *Layer1&2 Delay25 and GateKeeper*		
	Size: *A3*	Scale: -	Document Number	Revision: *1.1*
Designer: T. Tölyhi			
Drawn by:	Modified: 2015.06.15.	Printed: 2015.06.15.	Sheet 3 of 6
Approved:	File: L1&L2 Delay25 and GateKeeper.SchDoc		

mDOH Connector

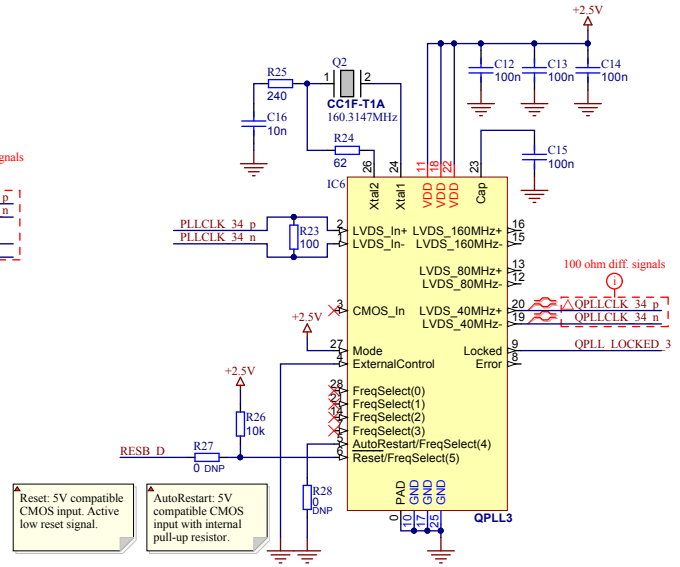


TPLL

I2C_Address: 1000 (8)



QPLL



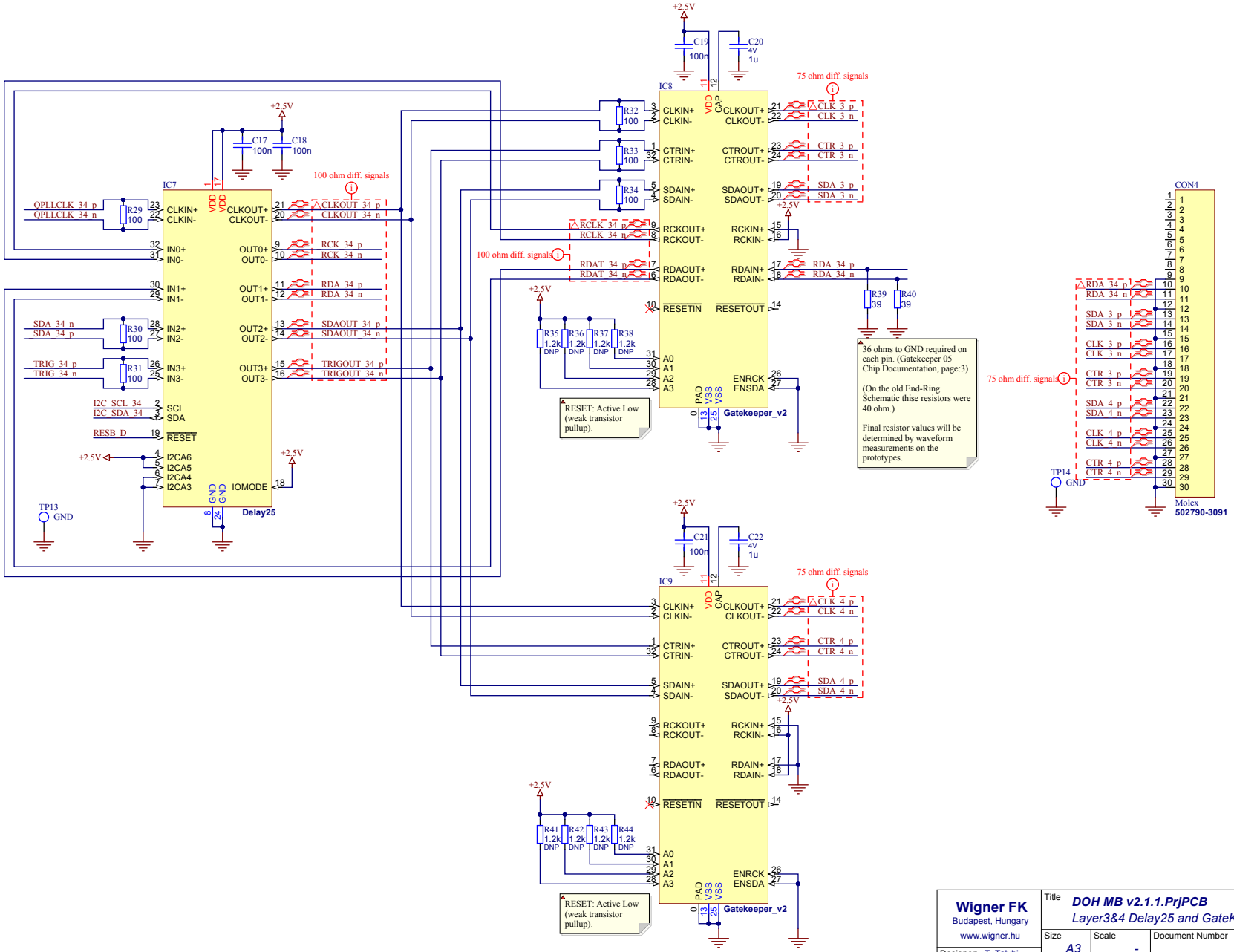
Wigner FK Budapest, Hungary www.wigner.hu	Title: ***DOH MB v2.1.1.PrjPCB*** ***Layer3&4 PLL25 and QPLL***		
	Size: *A3*	Scale: *-*	Document Number	Revision: *1.1*
Designer: T. Tölyhi			
Drawn by:	Modified: 2015.06.15.	Printed: 2015.06.15.	Sheet 4 of 6
Approved:	File: L3&L4 PLL25 and QPLL.SchDoc		

Delay25

I2C_Address: 1100 (12)

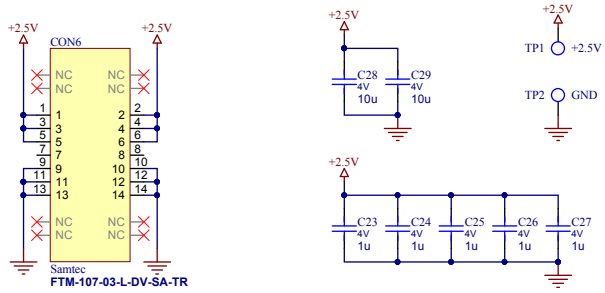
GateKeeper

AdapterBoard L3&L4 Connector

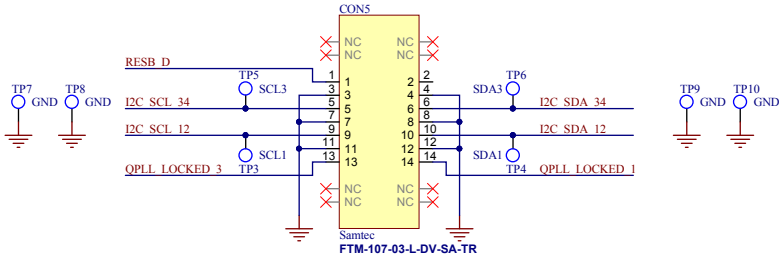


Wigner FK Budapest, Hungary www.wigner.hu	Title: *DOH MB v2.1.1.PrjPCB* *Layer3&4 Delay25 and GateKeeper*		
	Size: *A3*	Scale: -	Document Number	Revision: *1.1*
Designer: T. Tölyhi			
Drawn by:	Modified: 2015.06.15.	Printed: 2015.06.15.	Sheet 5 of 6
Approved:	File: L3&L4 Delay25 and GateKeeper.SchDoc		

Power from POH MB



Control from POH MB



Wigner FK Budapest, Hungary www.wigner.hu	Title: ***DOH MB v2.1.1.PrjPCB*** *Power and Control Connectors*			
	Size: *A3*	Scale: *-*	Document Number	Revision: *1.1*
Designer: T. Tölyhi				
Drawn by:	Modified: 2015.03.30.	Printed: 2015.06.15.	Sheet 6 of 6	
Approved:	File: Power and Control.SchDoc			