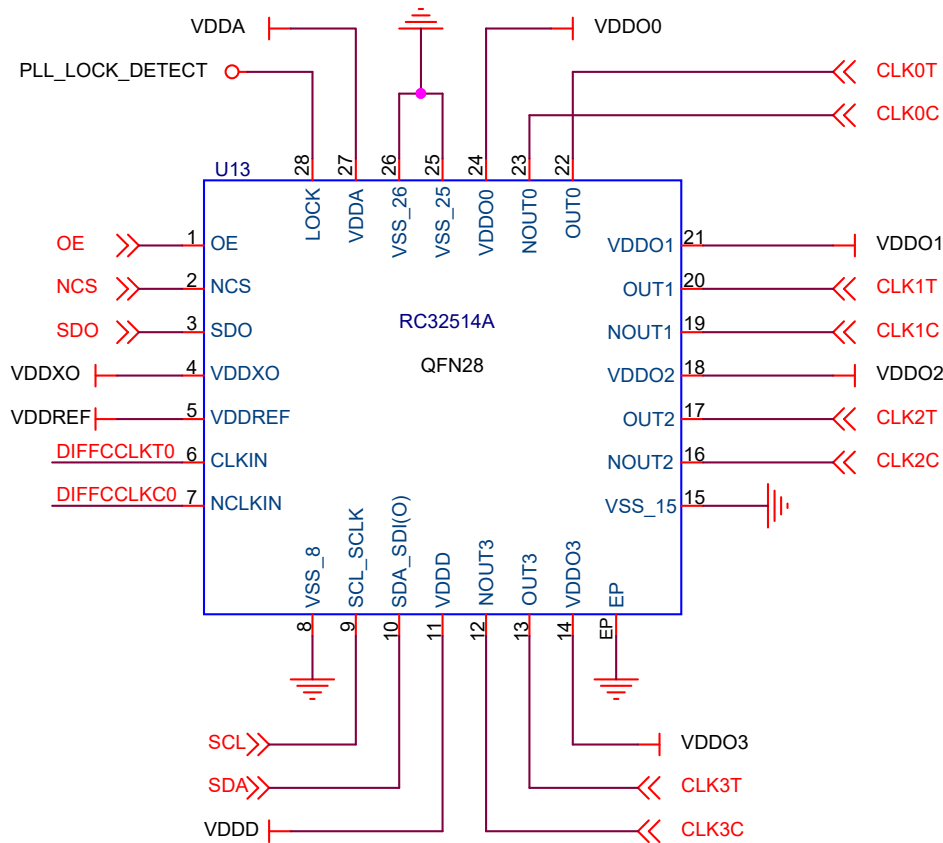
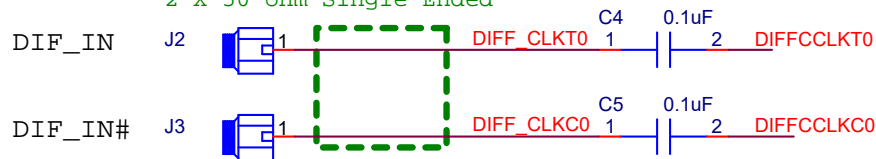


RC32514A with 4 output pairs



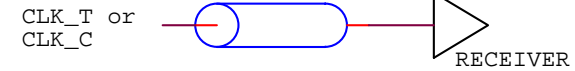
100 ohm Differential Trace or
2 X 50 ohm Single Ended



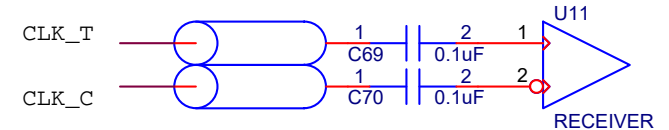
The RC32514A CLKIN input has on-chip termination and DC bias. The CLKIN input is customizable with two types of terminations or the termination disabled. It is also possible to configure CLKIN for single ended CMOS (1.8V swing).

OUTPUT TERMINATION

LVCMOS TERMINATION

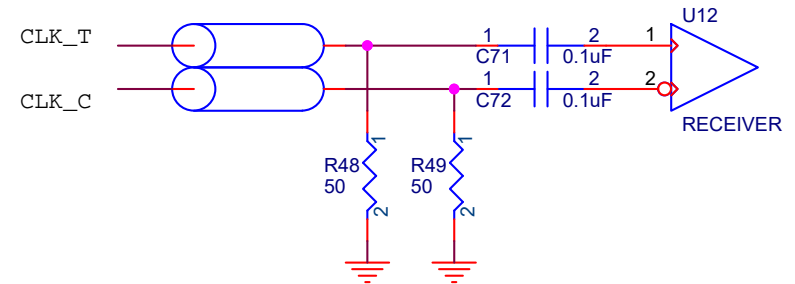


HCSL TERMINATION* using Internal Termination



When internal termination of Merlin output driver is enabled. AC coupling is optional.

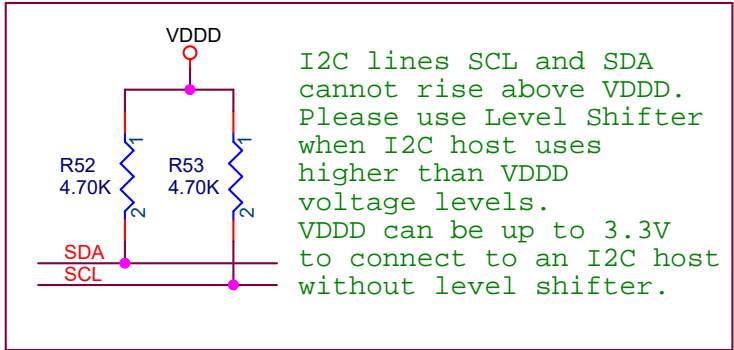
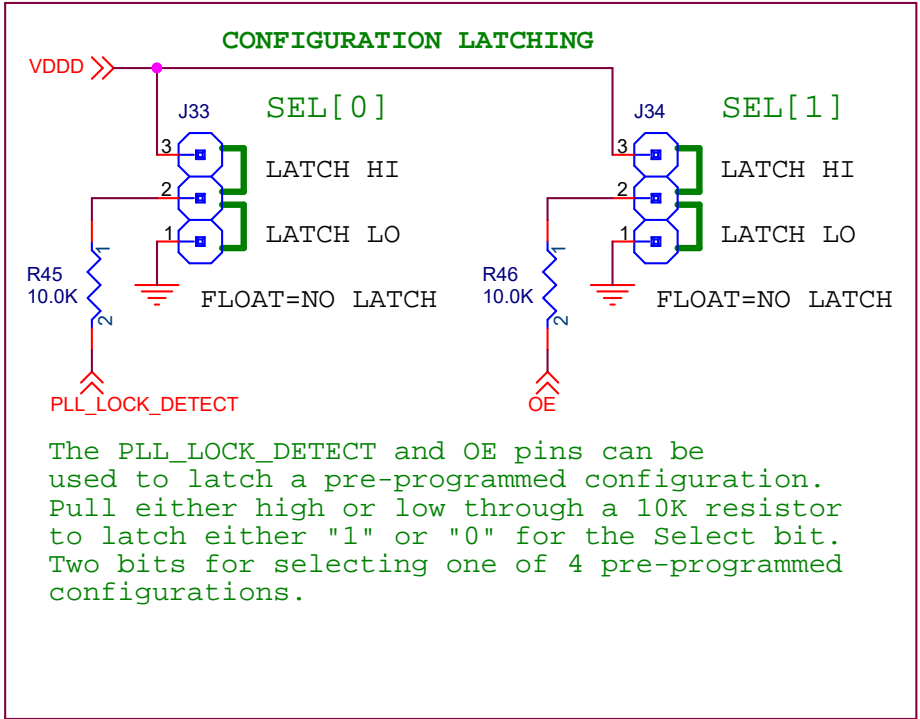
HCSL TERMINATION* using External Termination



When internal termination is disabled. AC coupling is optional after the external termination with R48 and R49.

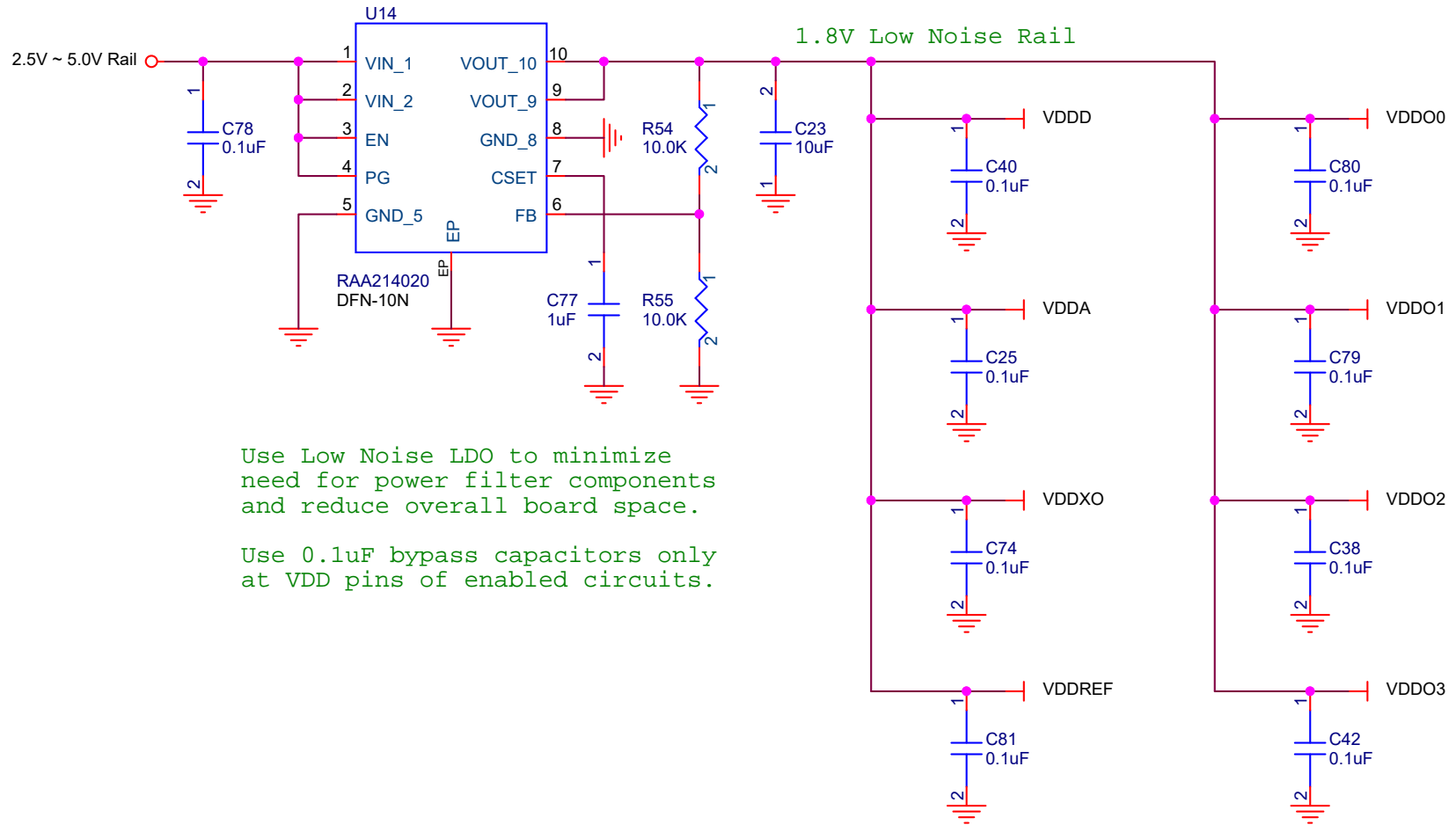
* When AC coupling, the Common Mode Voltage is removed and the differential signal will be compatible with most generic differential clock inputs.

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FemtoClock 2 Reference Schematic		
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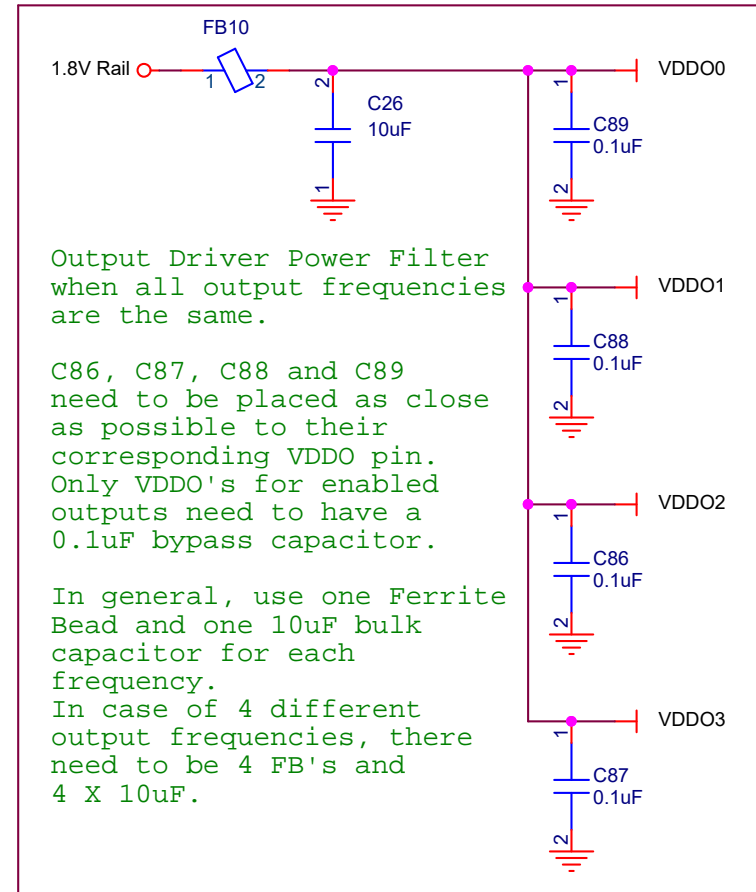
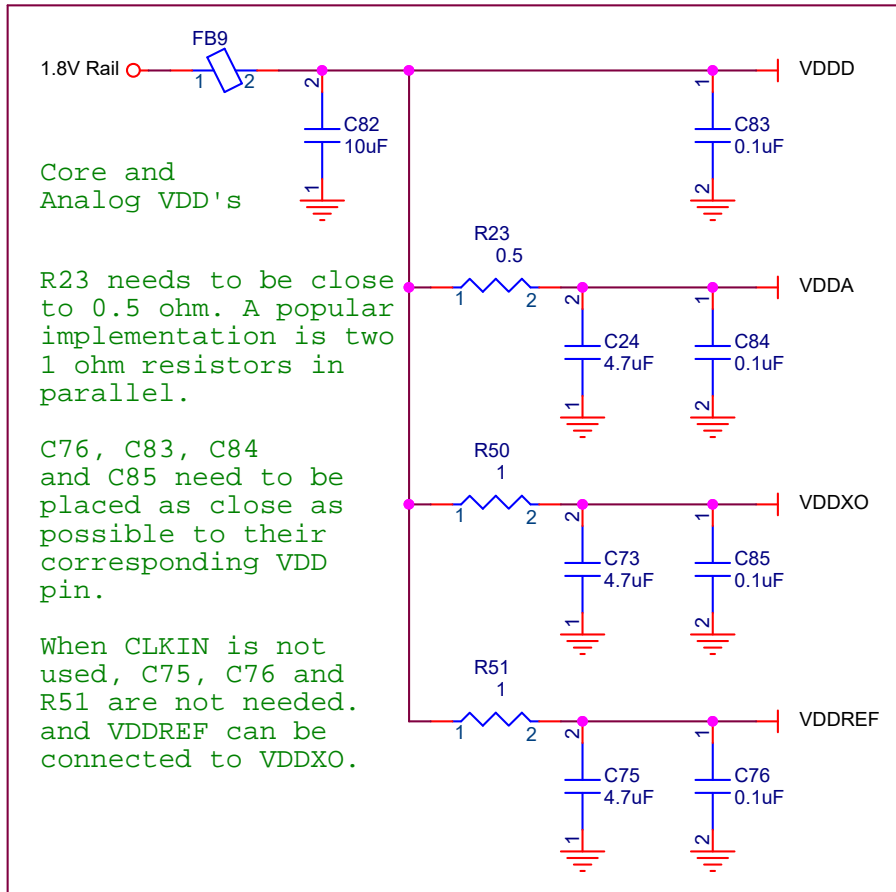
Title		
FemtoClock 2 Reference Schematic		
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A	RC32514A_FC2_REF-SCHEM	A
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POWER SUPPLY FILTERING, USING A REGULATOR



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POWER SUPPLY FILTERING, USING FERRITE BEADS



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