

Automotive Module Serializer Interface Design

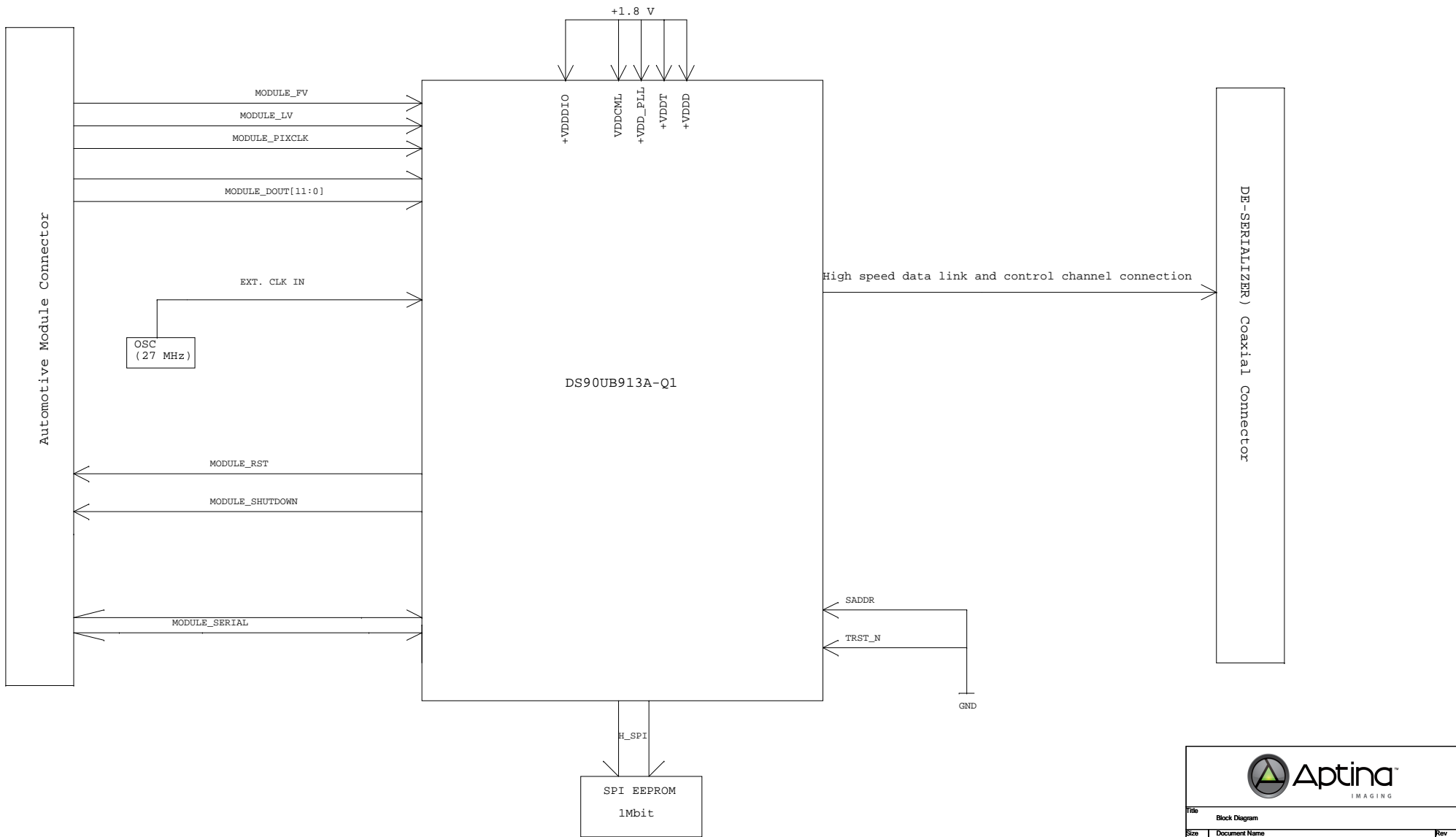
AP40004

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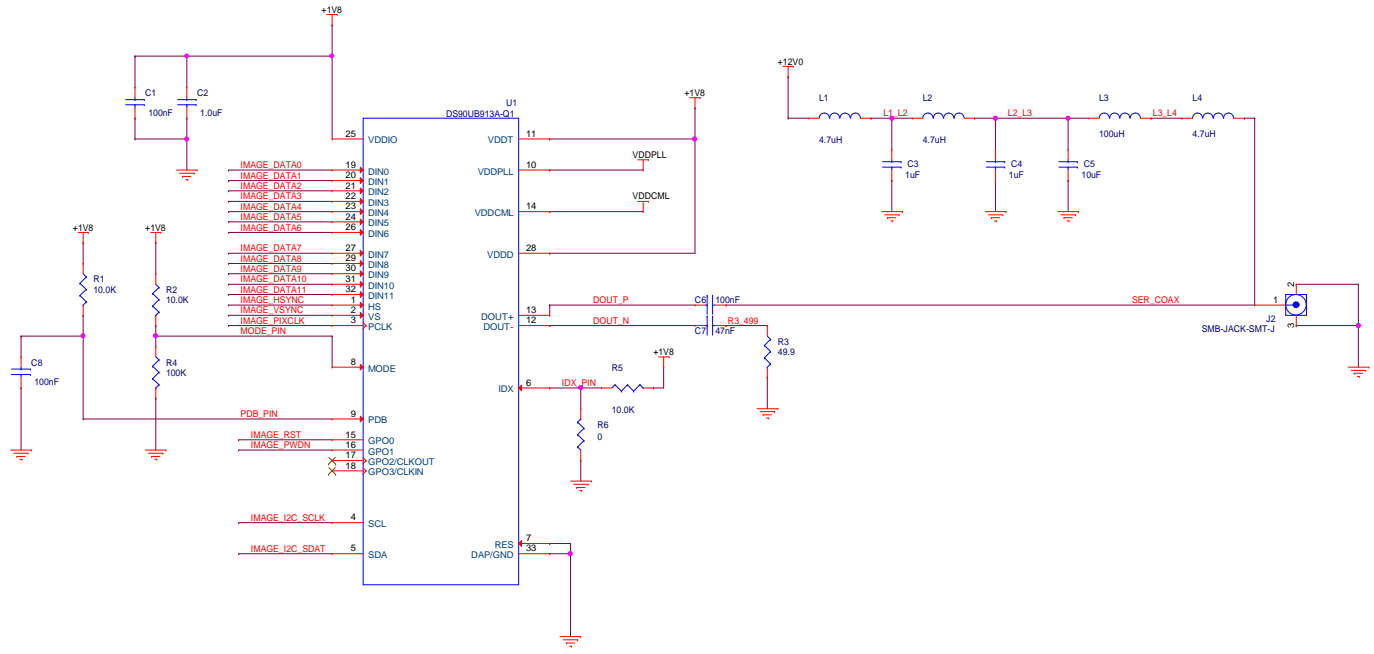
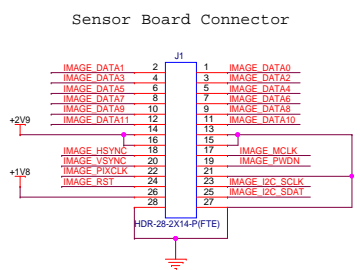
Rev	Author	Date	Description
Rev 0.0	Dmincinski	10/08/2013	Initial.
Rev 0.1	Dmincinski	10/11/2013	Add Voltage Regulators U3 & U4 and support passive components.
Rev 0.2	Dmincinski	12/03/2013	Change incorrect ground nets on page 3 and 4 from "GND" to "DGND". Change coax connector from SMA to SMB style.
Rev 1.0	Dmincinski	02/05/2014	Change U2, oscillator, from 48MHz to 27MHz. Disconnect U2 output(pin 3) from pin 18 of U1. Disconnect pin 17 of U1 from J1 pin 17. Connect output(pin 3) of U2 directly to pin 17 of J1. Change R4 from a 4.7K to a 100K ohm resistor.



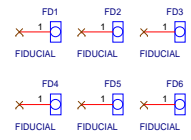
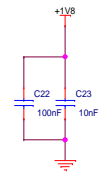
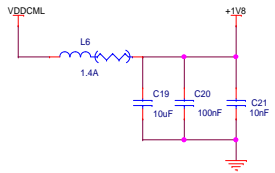
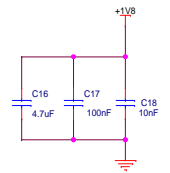
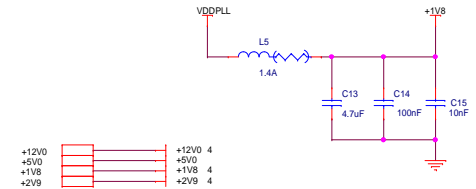
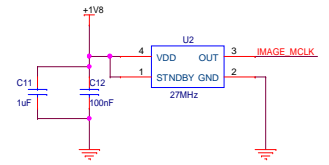
Block Diagram



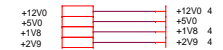
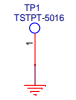
DS90UB913A-Q1 Serializer



CLOCK CIRCUIT

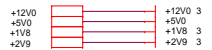
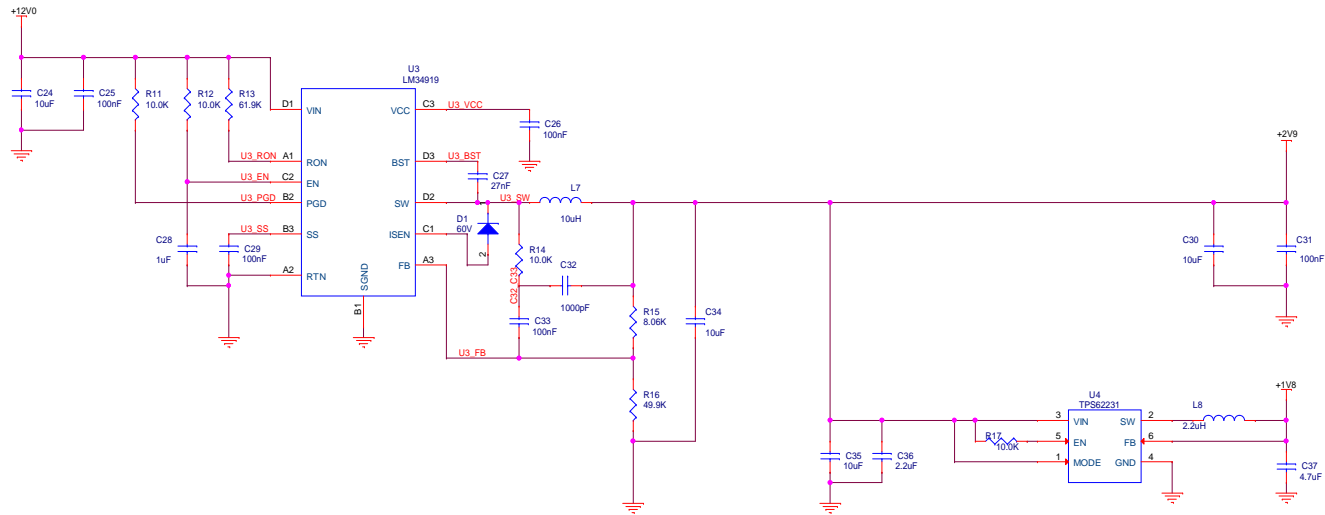



Ground Testpoints



File: DS90UB913A Serializer		
Size C	Document Name: AP40004 - Automotive Module Serializer DS90UB913A	Rev 1.0
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Power





Title		Power	
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