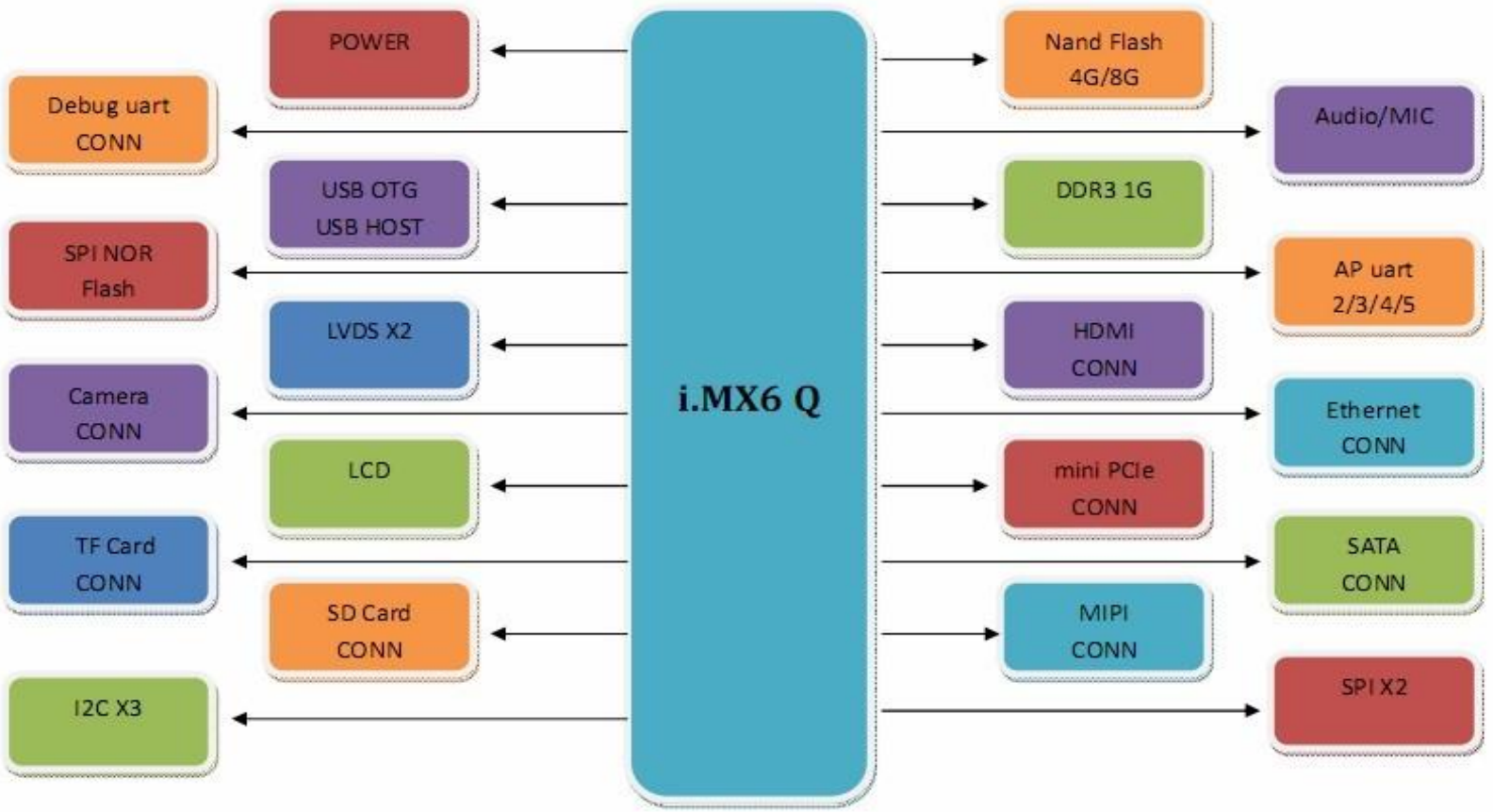
MY-I.MX6-DEMO-V2.2



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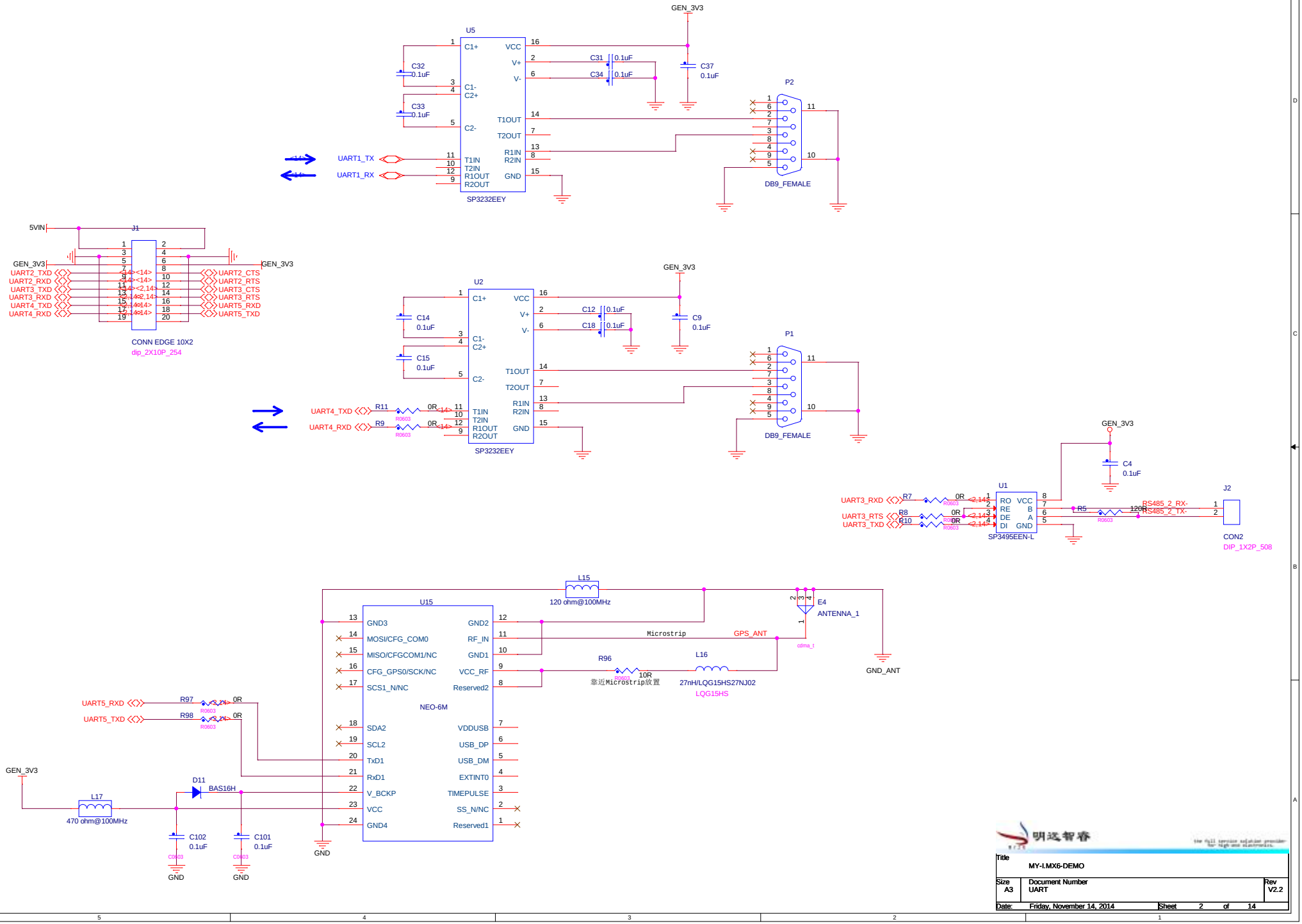
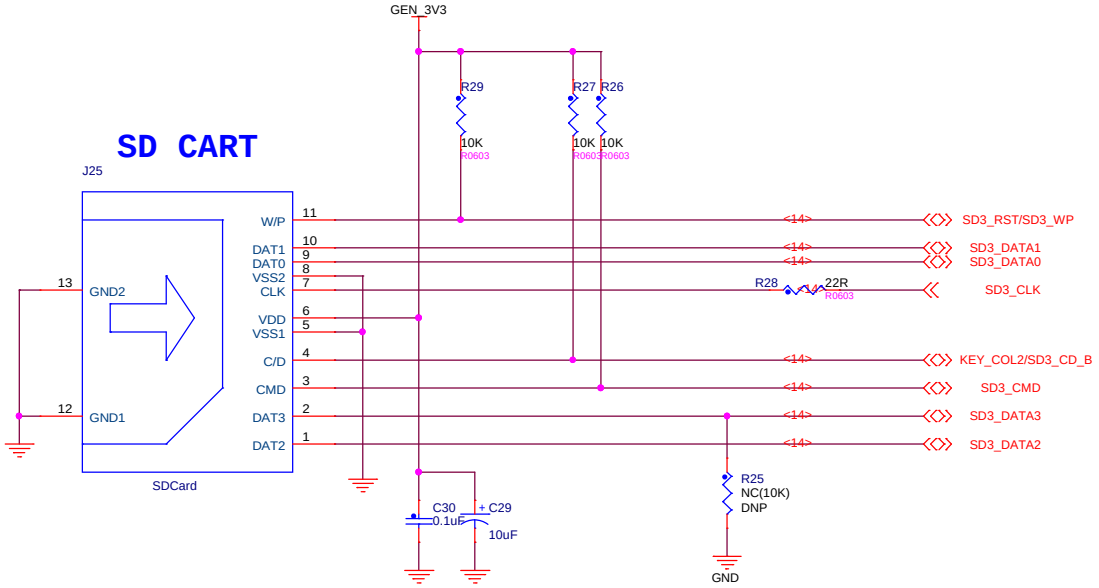
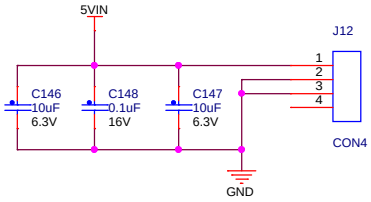
Title: MY-I.MX6-DEMO		
Size: A	Document Number: TITLE PAGE	Rev: V2.2
Date: Saturday, November 08, 2014	Sheet 1 of 14	

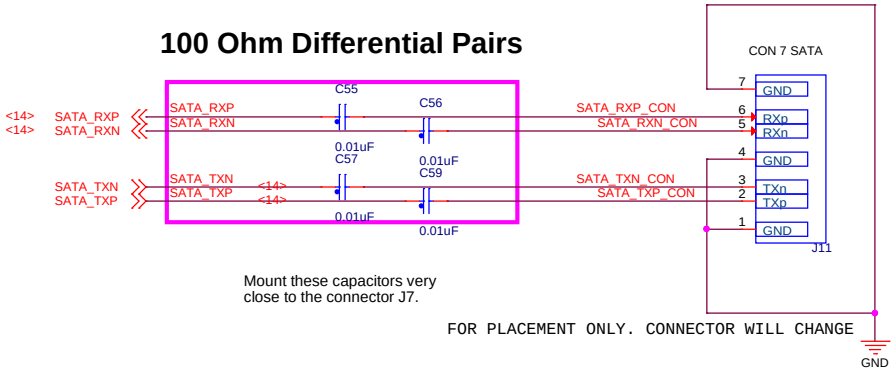


Title	MY-I.MX6-DEMO	
Size A3	Document Number UART	Rev V2.2
Date: Friday, November 14, 2014	Sheet 2 of 14	

SD3 CARD SOCKET



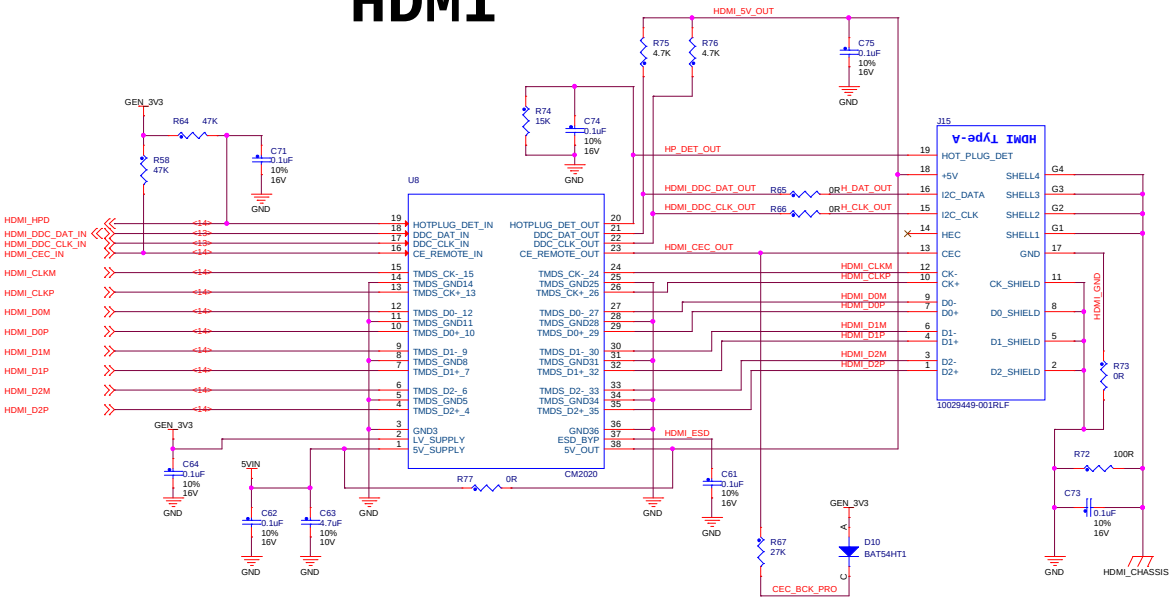


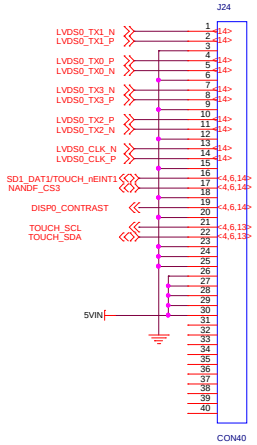


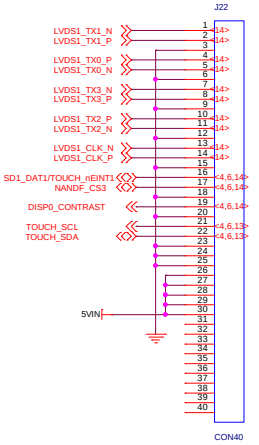
Layout:
1. 100ohm diff pairs, length equal
2. Mount these capacitors very close to the connector J506.

Title	MY-I.MX6-DEMO	
Size B	Document Number SD CARD & SATA	Rev V2.2
Date: Friday, November 14, 2014	Sheet 3 of 14	

HDMI







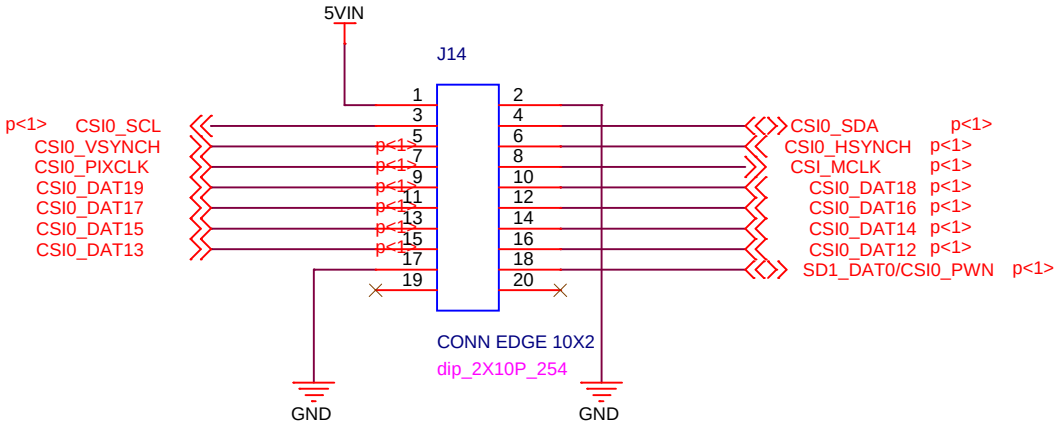
Layout: HDMI 100 ohm differential pairs

NOTE:
When using HDMI, I2C2 bus is limited to 100 kHz
to read EDID values due to HDMI standards.
I2C2 bus spee should be limited to 100 kHz whenever
Hot Plug Detect is high.

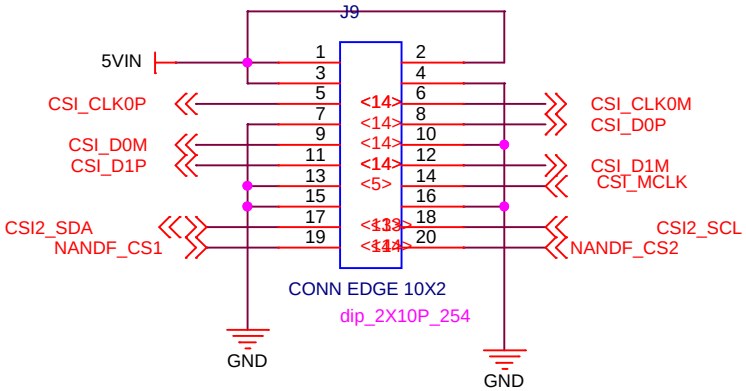
Title	MY-IMX6-DEMO	
Size C	Document Number LVDS & HDMI	Rev V2.2
Date: Friday, November 14, 2014	Sheet 4 of 14	

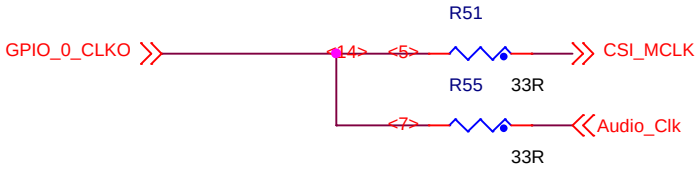
CSI CMOS Sensor
OV5642 5M Pixel

摄像头



MIPI CMOS Sensor
OV5640 5M Pixel





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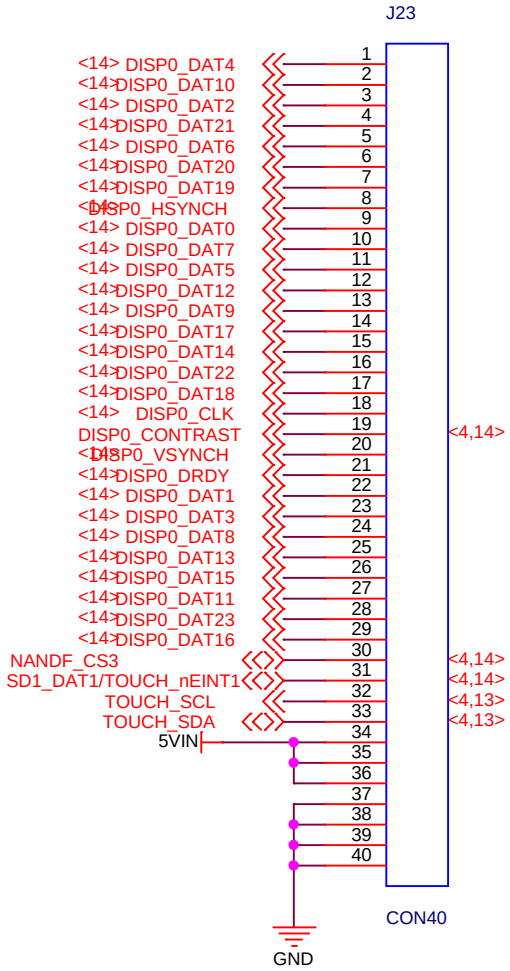
Title	MY-I.MX6-DEMO	
Size A	Document Number CAMERA	Rev V2.2
Date: Friday, November 14, 2014	Sheet 5 of 14	



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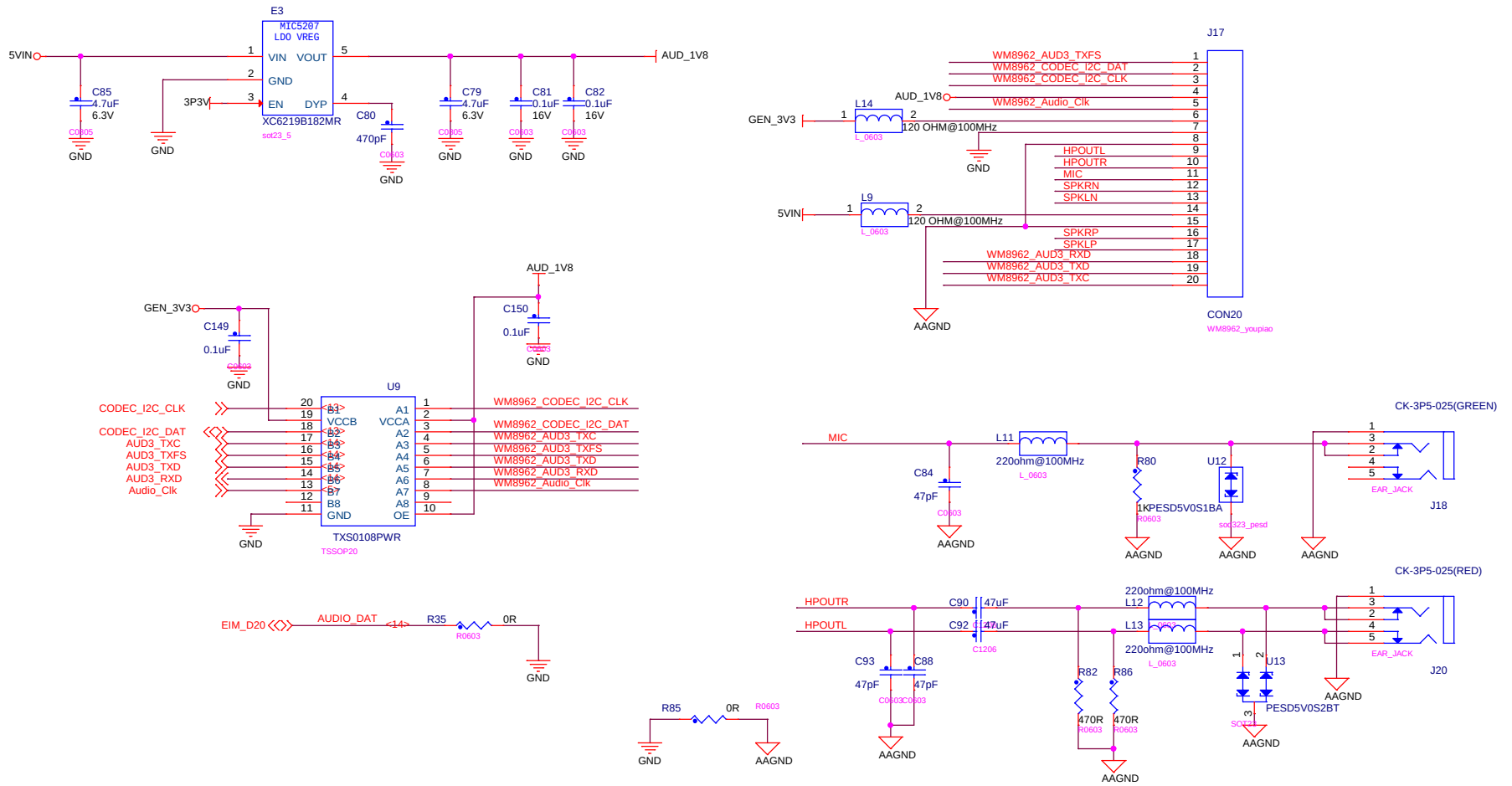
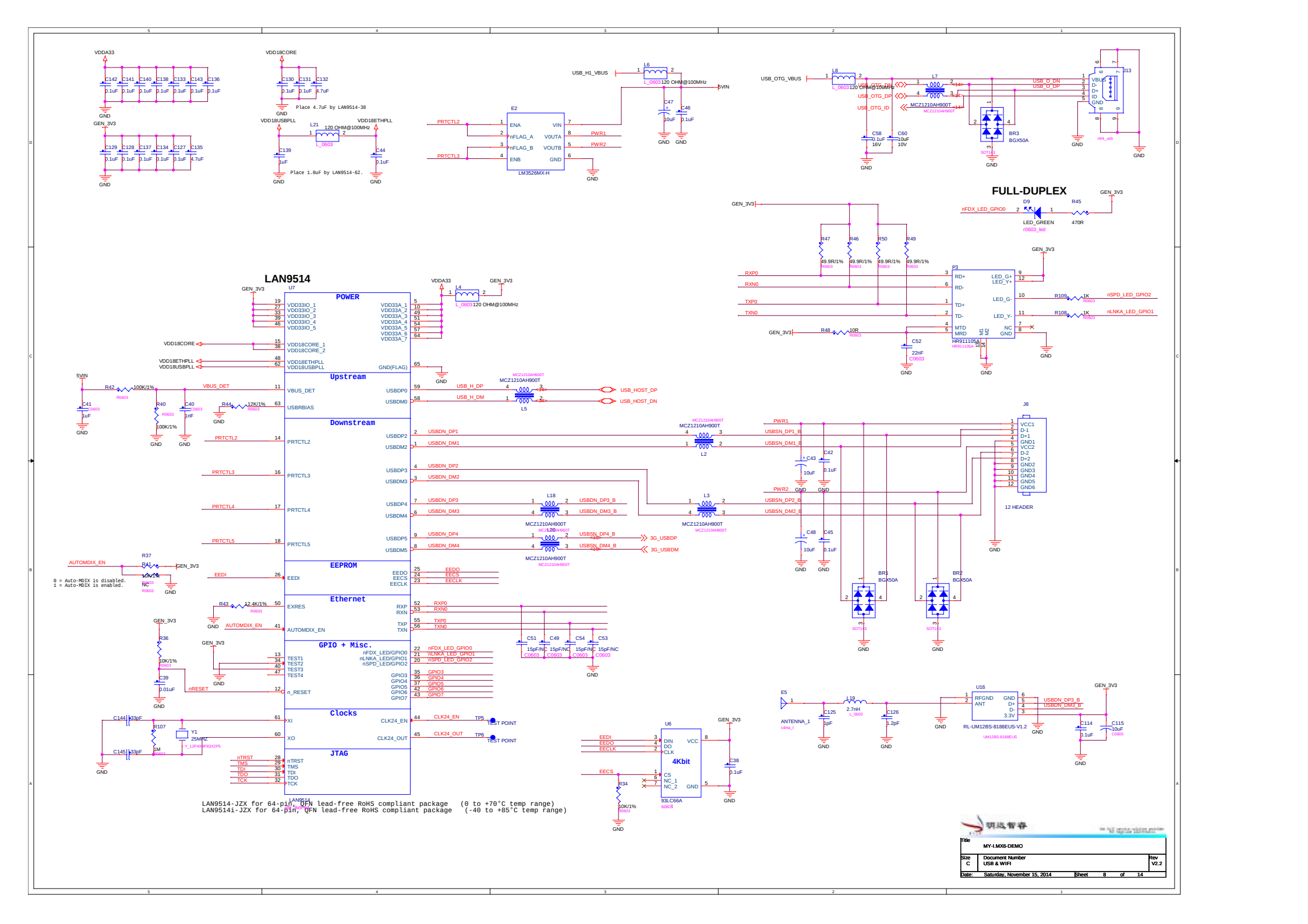
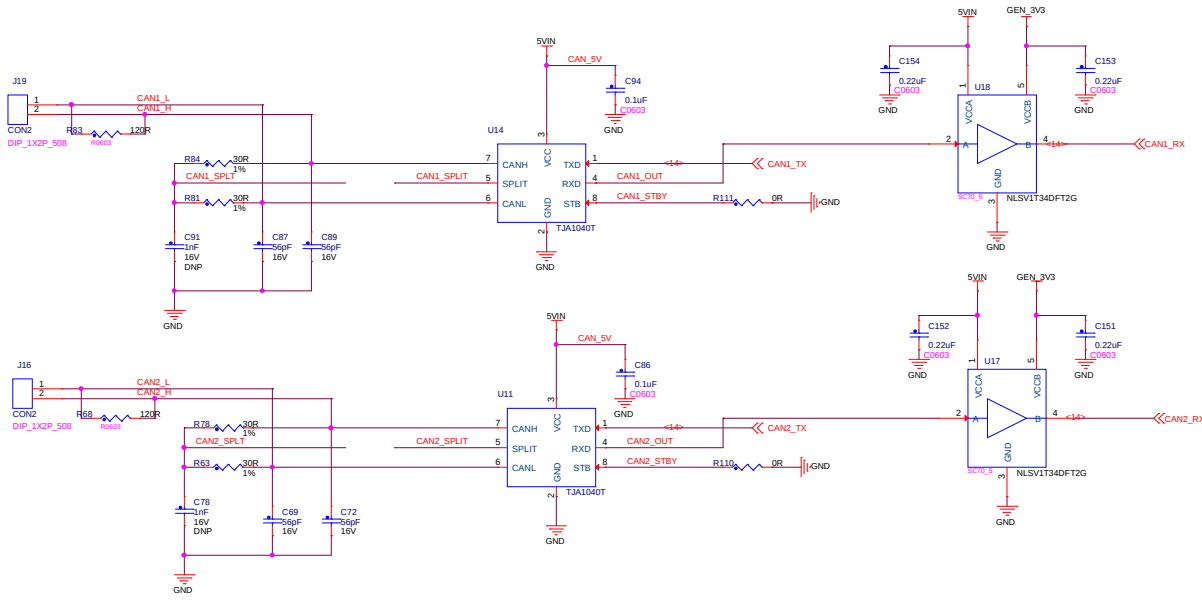
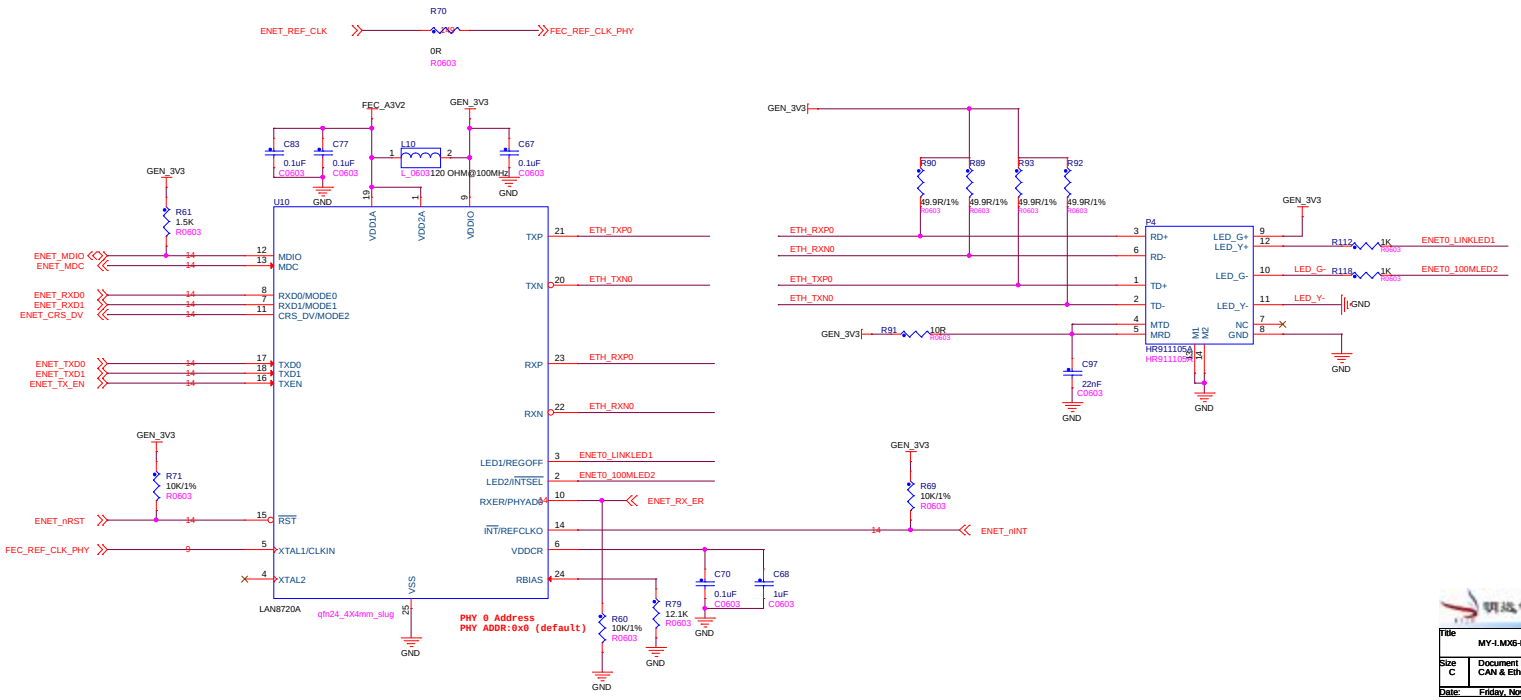
Title: MY-I.MX6-DEMO		
Size: A	Document Number: RGB_LCD	Rev: V2.2
Date: Friday, November 14, 2014	Sheet 6 of 14	



Title	MY-I.MX6-DEMO		
Size B	Document Number AUDIO		Rev V2.2
Date: Saturday, November 29, 2014	Sheet 7 of 14		

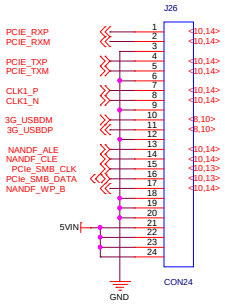

LAN9514
FULL-DUPLEX
POWER
Upstream
Downstream
EEPROM
Ethernet
GPIO + Misc.
Clocks
JTAG
LAN9514-JZX for 64-pin, QFN lead-free RoHS compliant package (0 to +70°C temp range)
LAN9514i-JZX for 64-pin, QFN lead-free RoHS compliant package (-40 to +85°C temp range)
MY-I.MX6-DEMO
USB & WIFI
Saturday, November 15, 2014

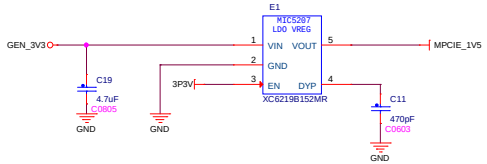




Title	MY-I.MX6-DEMO	
Size C	Document Number CAN & Ethernet	Rev V2.2
Date: Friday, November 14, 2014	Sheet 9 of 14	

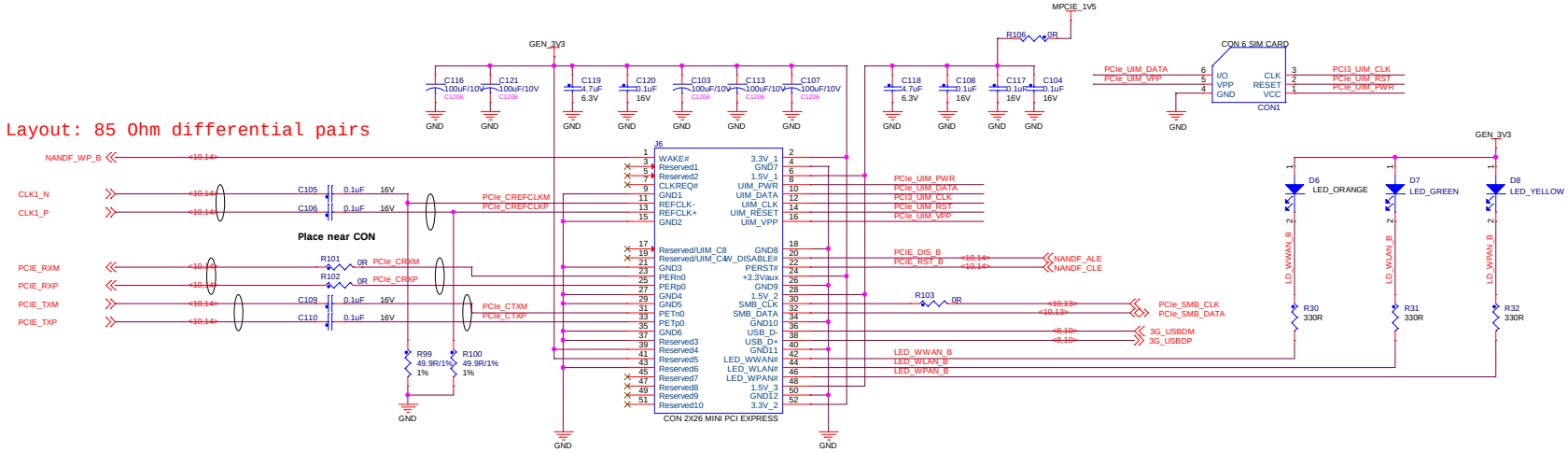
Mini-PCIE



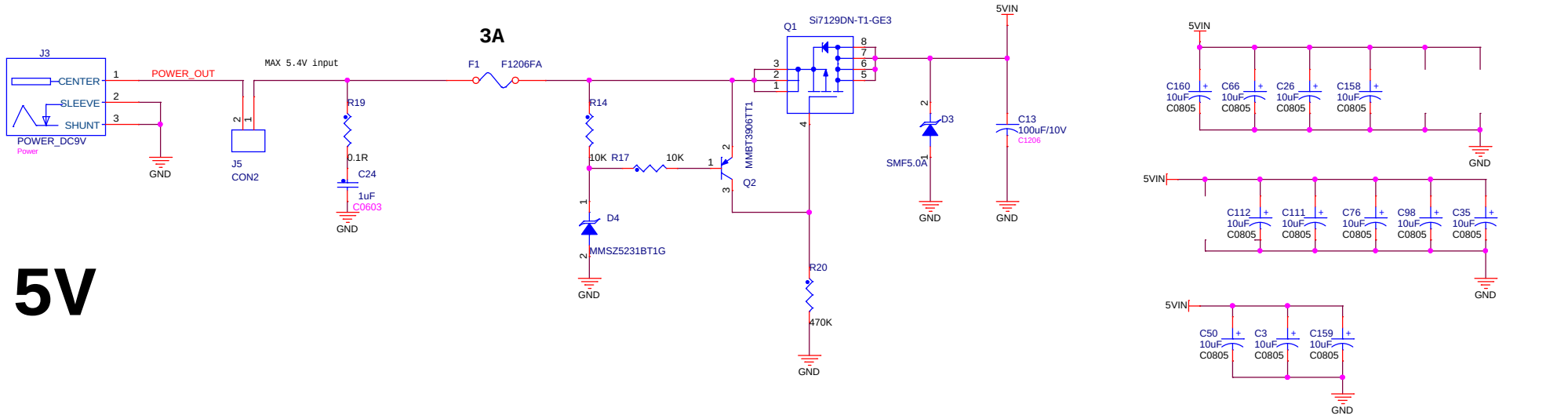


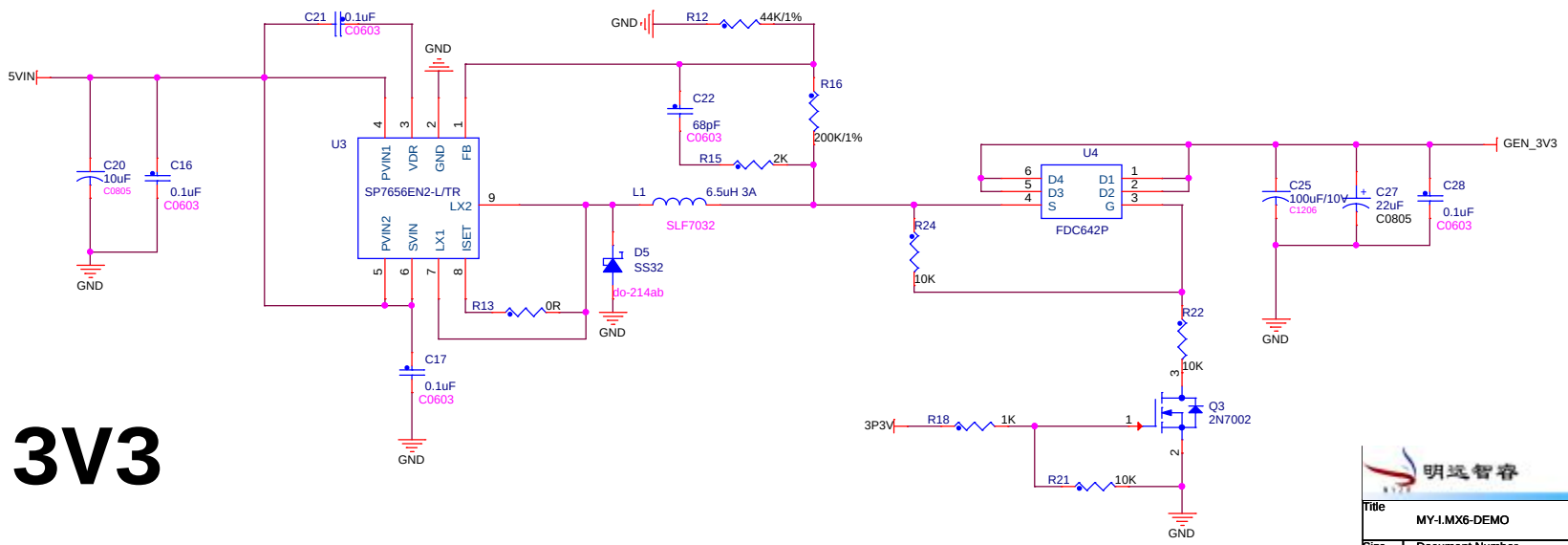
Mini-PCIE

Layout: 85 Ohm differential pairs



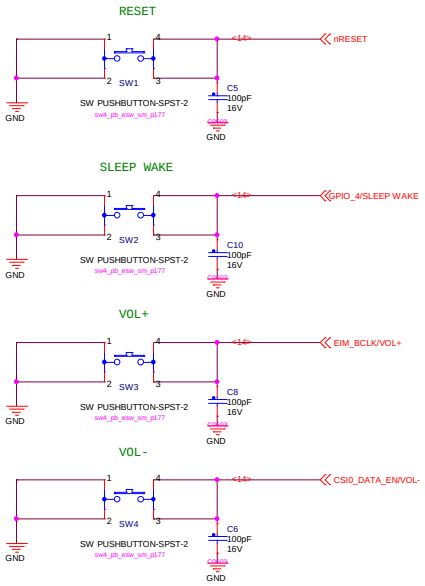
Title	MY-I.MX6-DEMO	
Size C	Document Number Mini-PCIE	Rev V2.2
Date: Friday, November 14, 2014	Sheet 10 of 14	

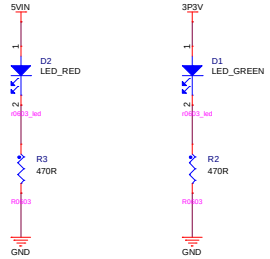




Title	MY-I.MX6-DEMO	
Size B	Document Number Power	Rev V2.2
Date: Friday, November 14, 2014	Sheet 11 of 14	

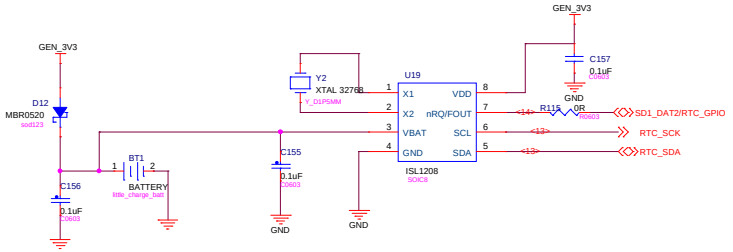
BUTTON



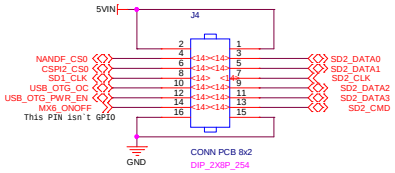


POWER LIGHT

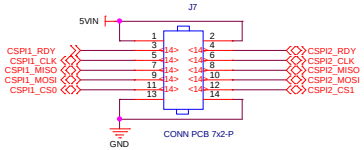
RTC



GPIO

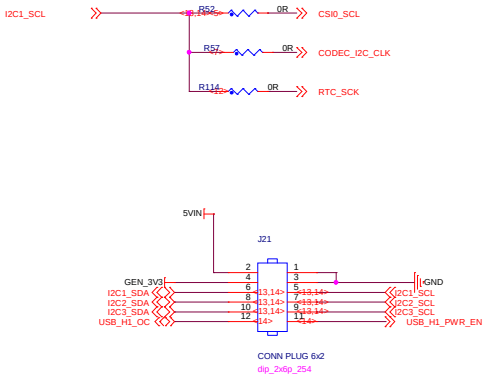


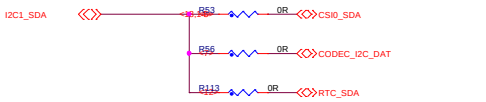
SPI&ETH



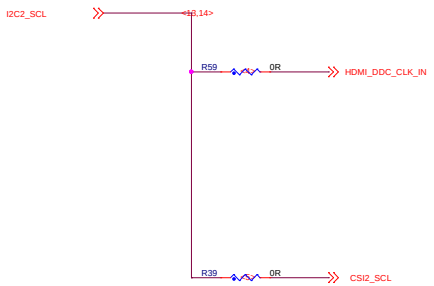
Title	MY-I.MX6-DEMO	
Size C	Document Number Bottom & GPIO & RTC & SPI	Rev V2.2
Date: Friday, November 14, 2014	Sheet 12 of 14	

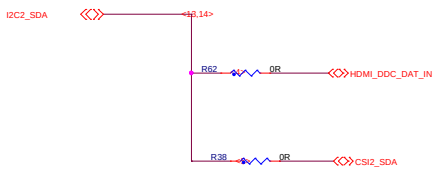
I2C1



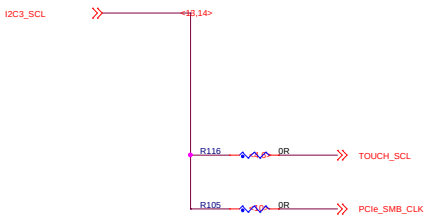


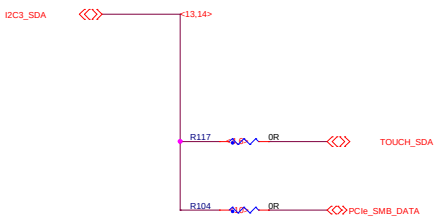
I2C2



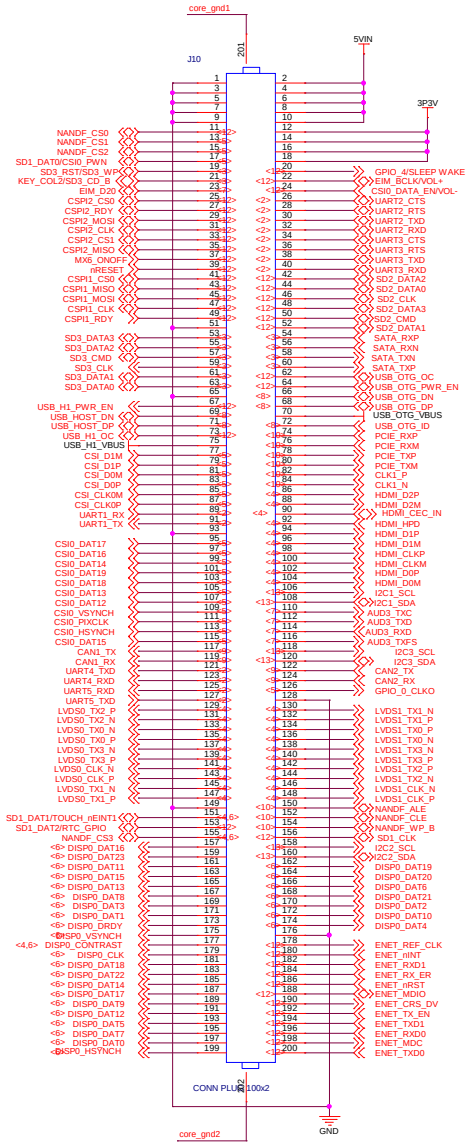


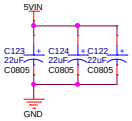
I2C3

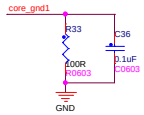


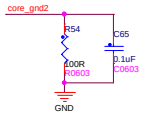


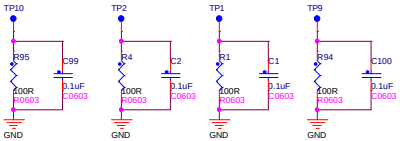
Title	MY-I.MX6-DEMO	
Size C	Document Number I2C	Rev V2.2
Date: Friday, November 14, 2014	Sheet 13 of 14	

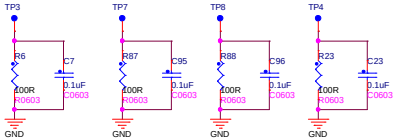












Title	MY-I.MX6-DEMO	
Size C	Document Number CONNECTOR	Rev V2.2
Date: Friday, November 14, 2014	Sheet 14 of 14	