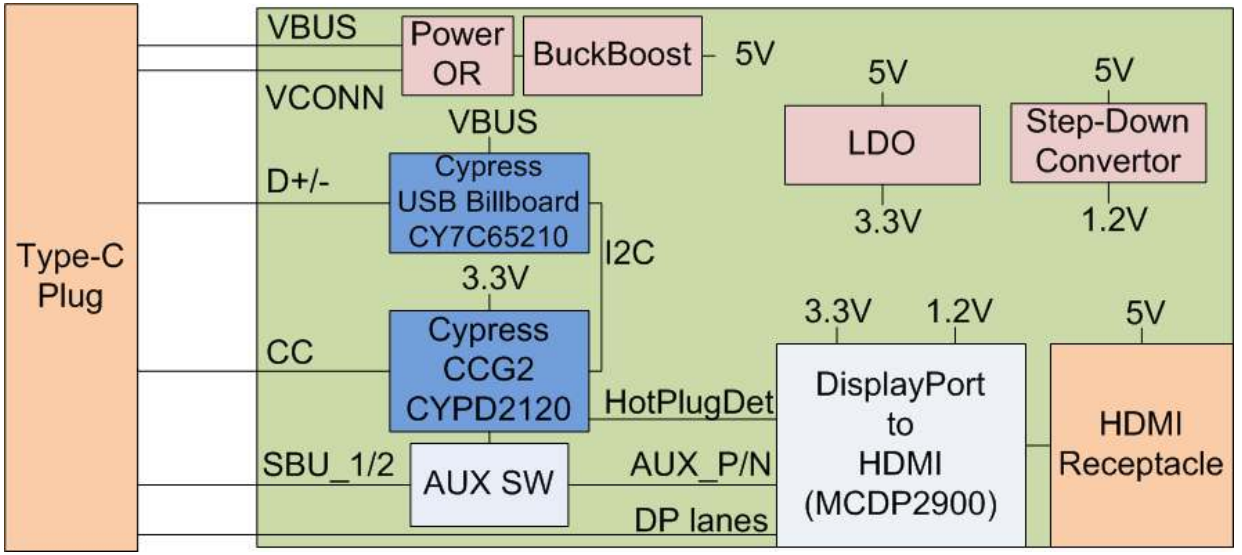
CCG2 Type-C To HDMI Reference Schematic

Table Of Contents

Sheet	Description
1	Table of Contents
2	CCG2/USB Billboard
3	Type-C/Power
4	HDMI - Megachip MCDP2850 DP to HDMI

Revision History

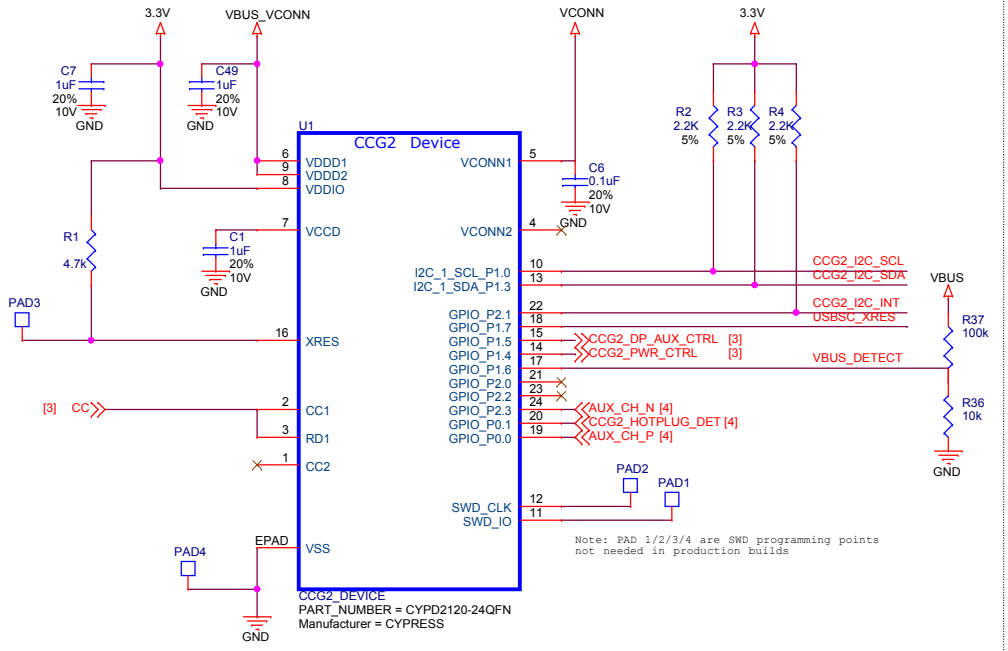
Revision	Date	Revision Summary
*	12-05-2015	Initial Release



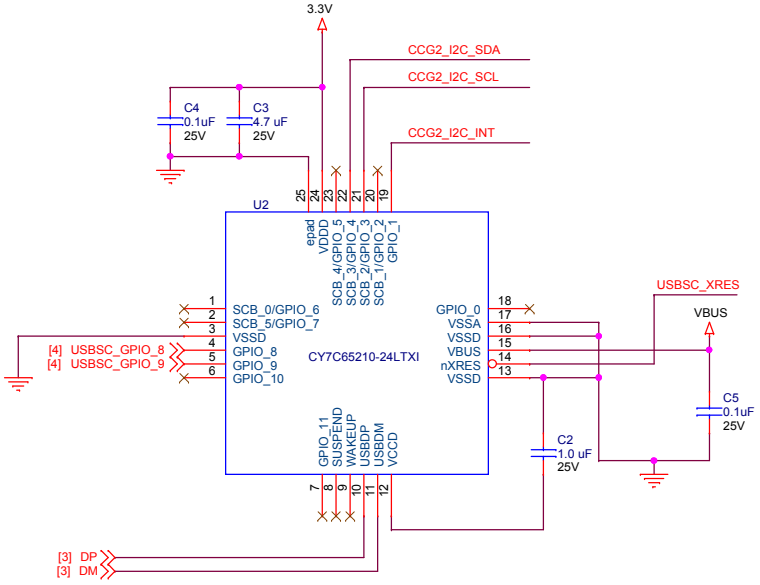
Title	CCG2 Type-C To HDMI Reference Schematic	
Size B	Document Number <Doc>	Rev *
Date: Friday, December 04, 2015	Sheet 1 of 4	

CCG2/USB Billboard

CCG2 - Alternate Mode Controller



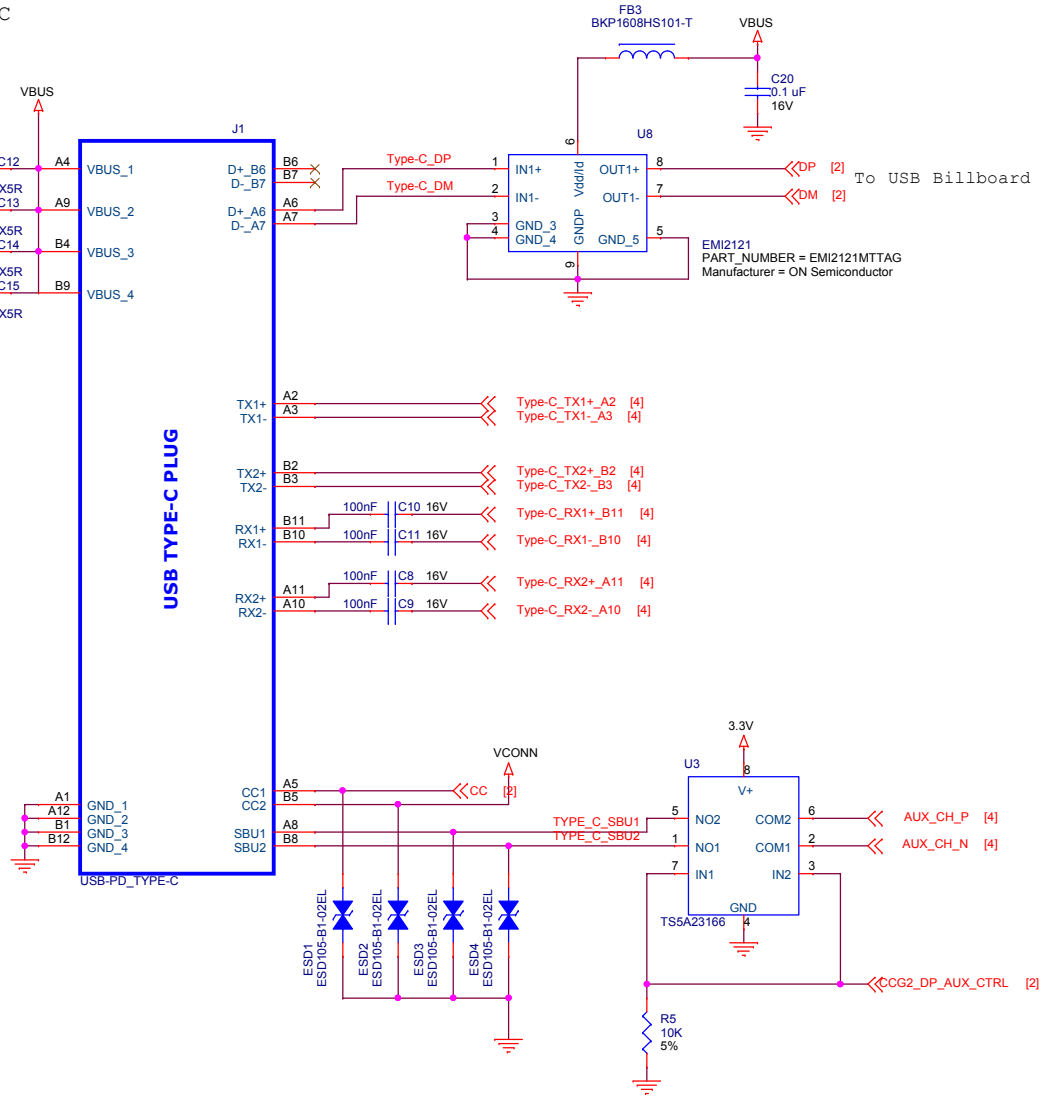
Cypress USB Billboard



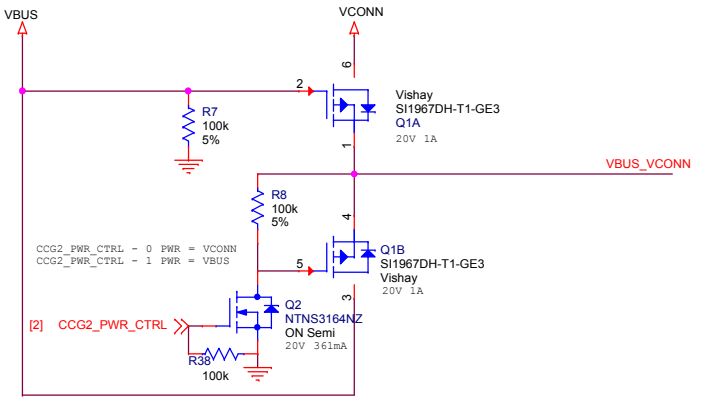
Title	CCG2 Type-C To HDMI Reference Schematic	
Size B	Document Number <Doc>	Rev *
Date: Thursday, December 03, 2015	Sheet 2 of 4	

Type-C/Power

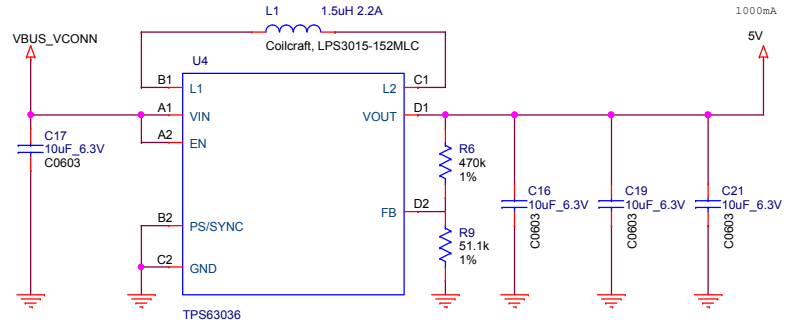
Type-C



VCONN or VBUS Power Option

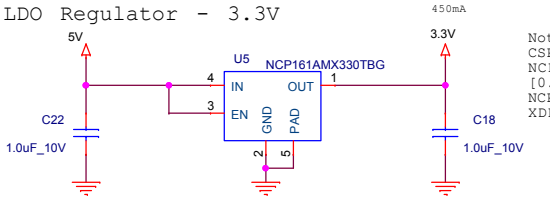


Buck Boost Regulator - 5V



Note: Please refer to TPS63036 datasheet for layout considerations to avoid regulator stability problems and EMI problems.

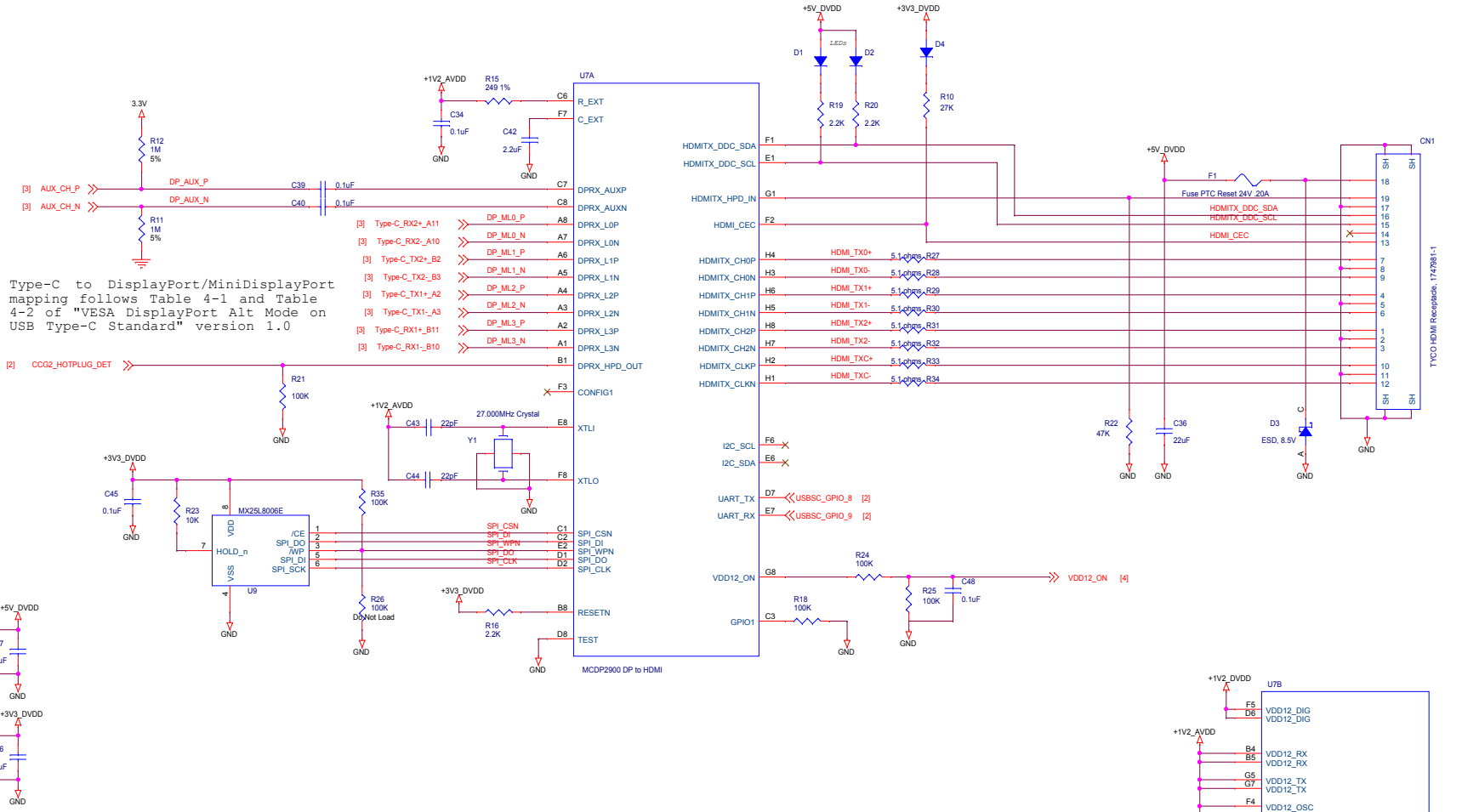
LDO Regulator - 3.3V

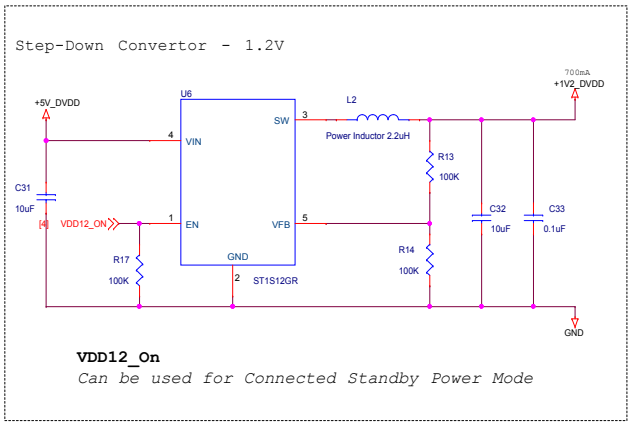


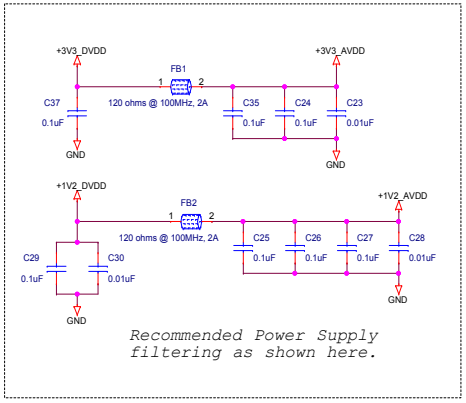
Note: NCP161 is available in CSP or DFN package
NCP161AFCT330T2G [0.65*0.65mm CSP4]
NCP161AMX330TBG [1*1mm XDFN4]

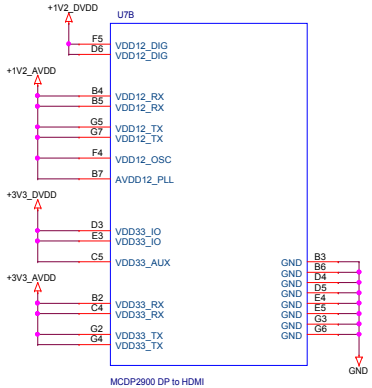
Title	CCG2 Type-C To HDMI Reference Schematic	
Size B	Document Number <Doc>	Rev *
Date: Thursday, December 03, 2015	Sheet 3 of 4	

DP to HDMI Convertor - MCDP2900









Title	CCG2 Type-C To HDMI Reference Schematic	
Size C	Document Number <Doc>	Rev *
Date: Friday, December 04, 2015	Sheet 4 of 4	