

CONFIDENTIAL

REV: 2.0

TITLE: Oland G5 2GB VGA/sDVI-I+HDMI/DP

DOCUMENT NUMBER: 105-C869:xx-00B

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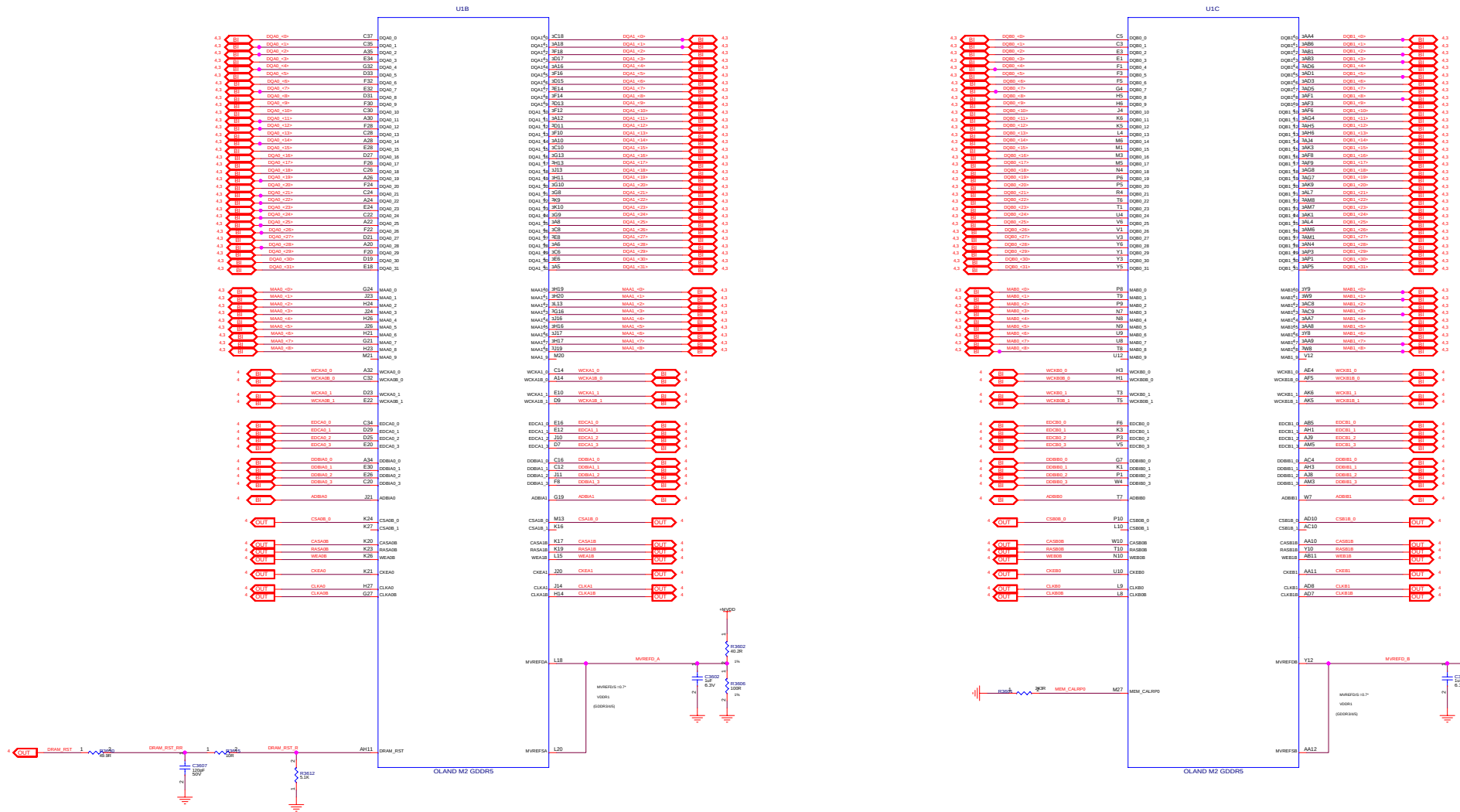
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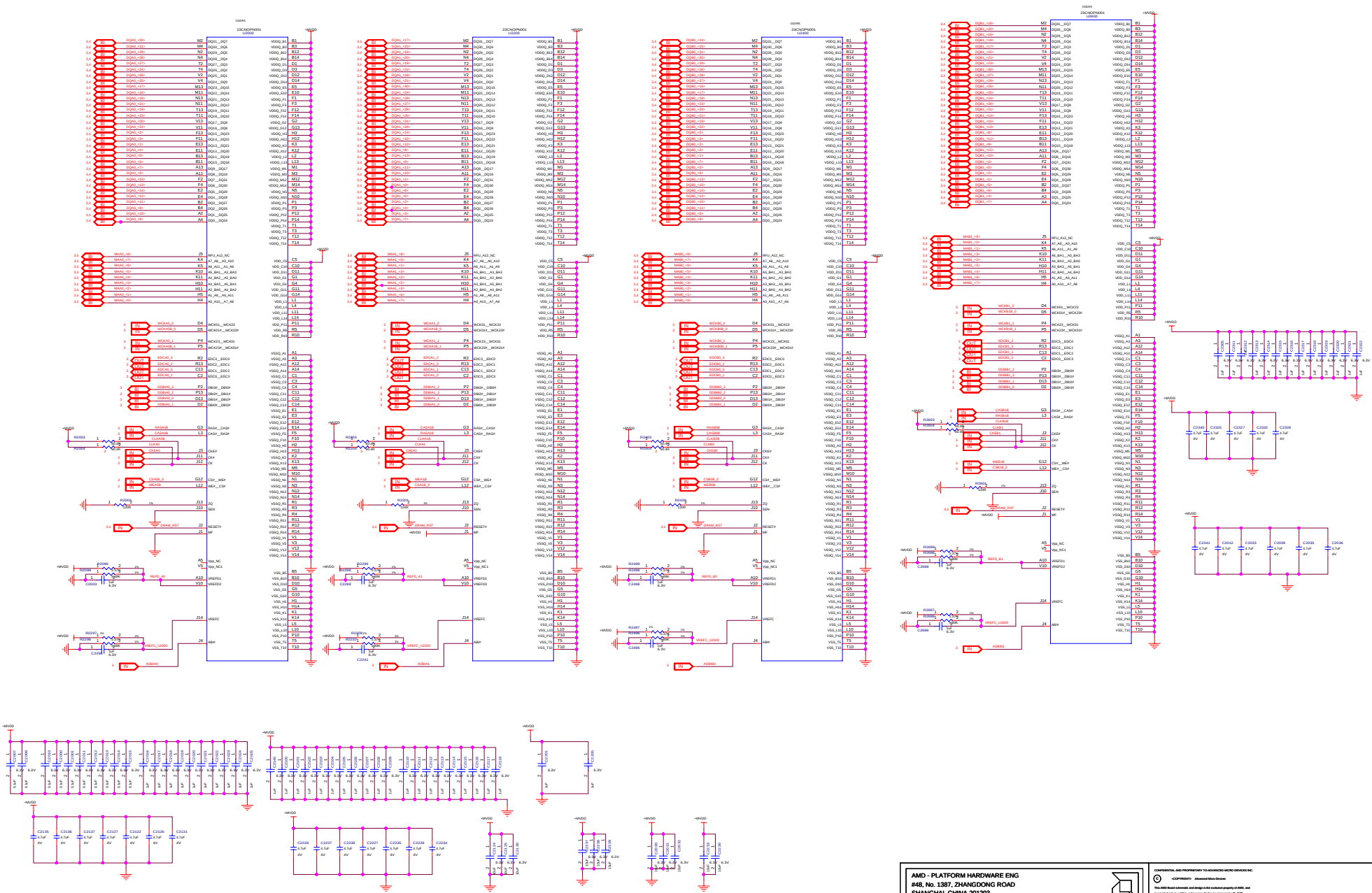
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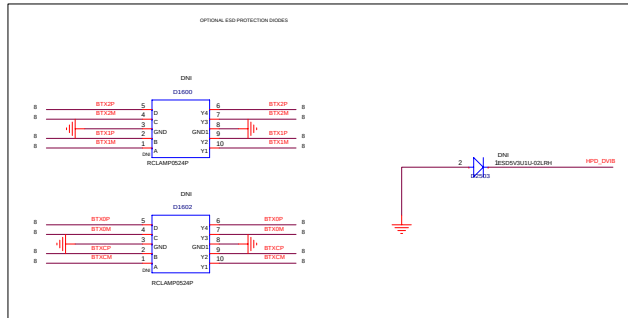
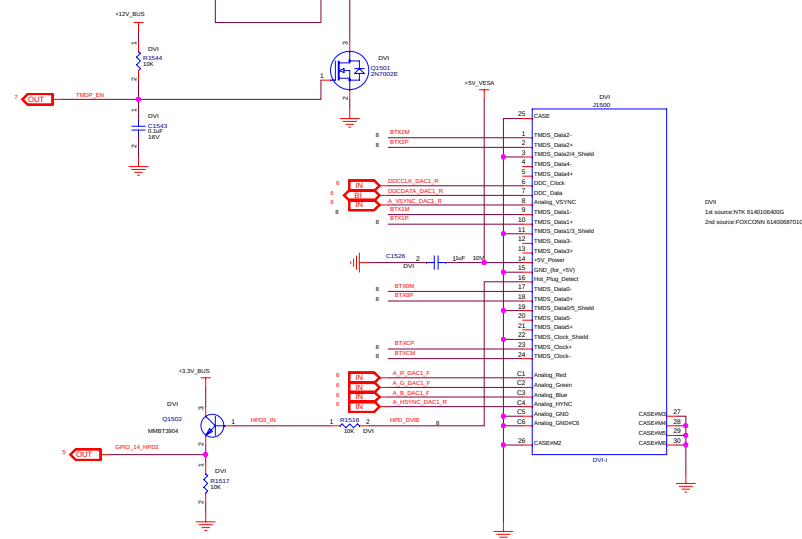
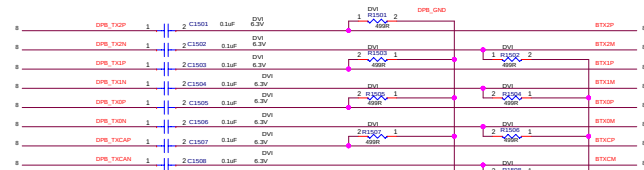
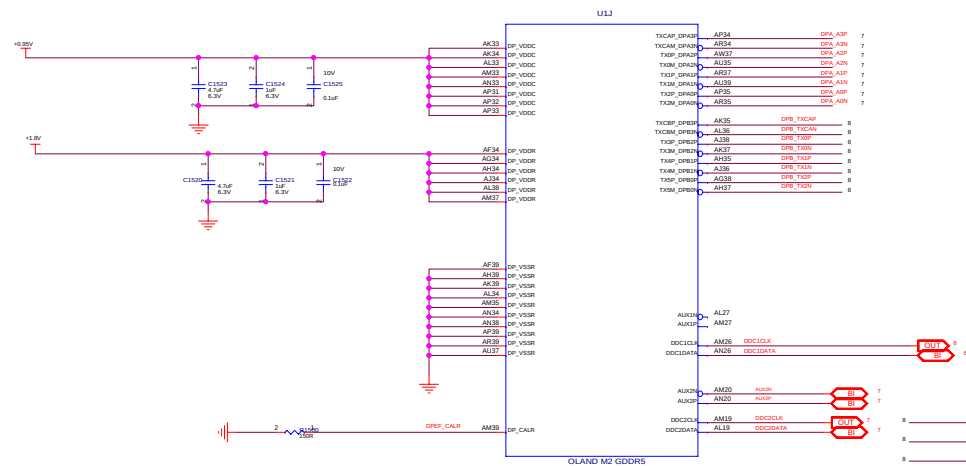
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11



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SHEET: VDDCI		REV: 2.0		TITLE: Oland G5 2GB VGA/SDVI-I-HDMI/DP	
DATE: Tue Sep 22 06:32:59 2015		SHEET NUMBER: 03 OF 20		DOCUMENT NUMBER: 105-C869oc-008	
NOTES: NOTE					





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SHANGHAI, CHINA 201203



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SHEET: Oland TMDP sDVI

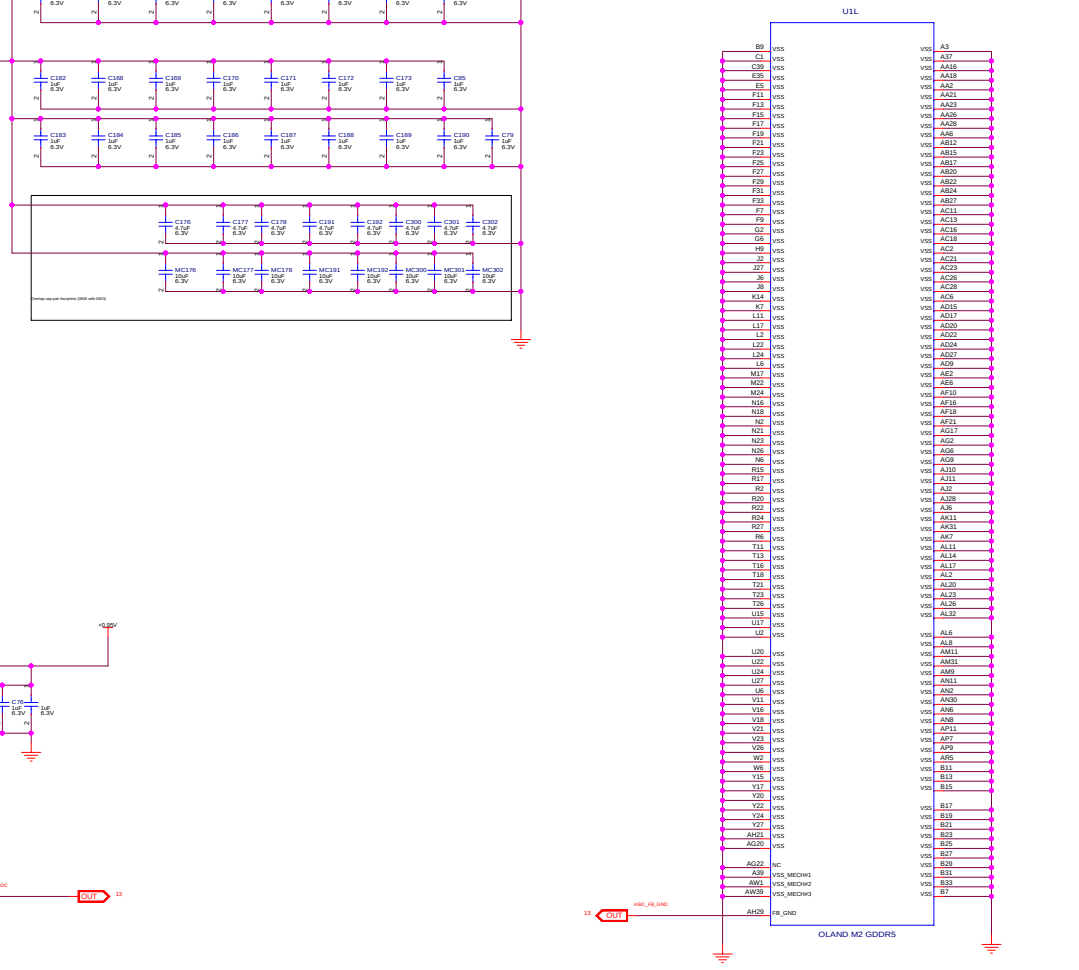
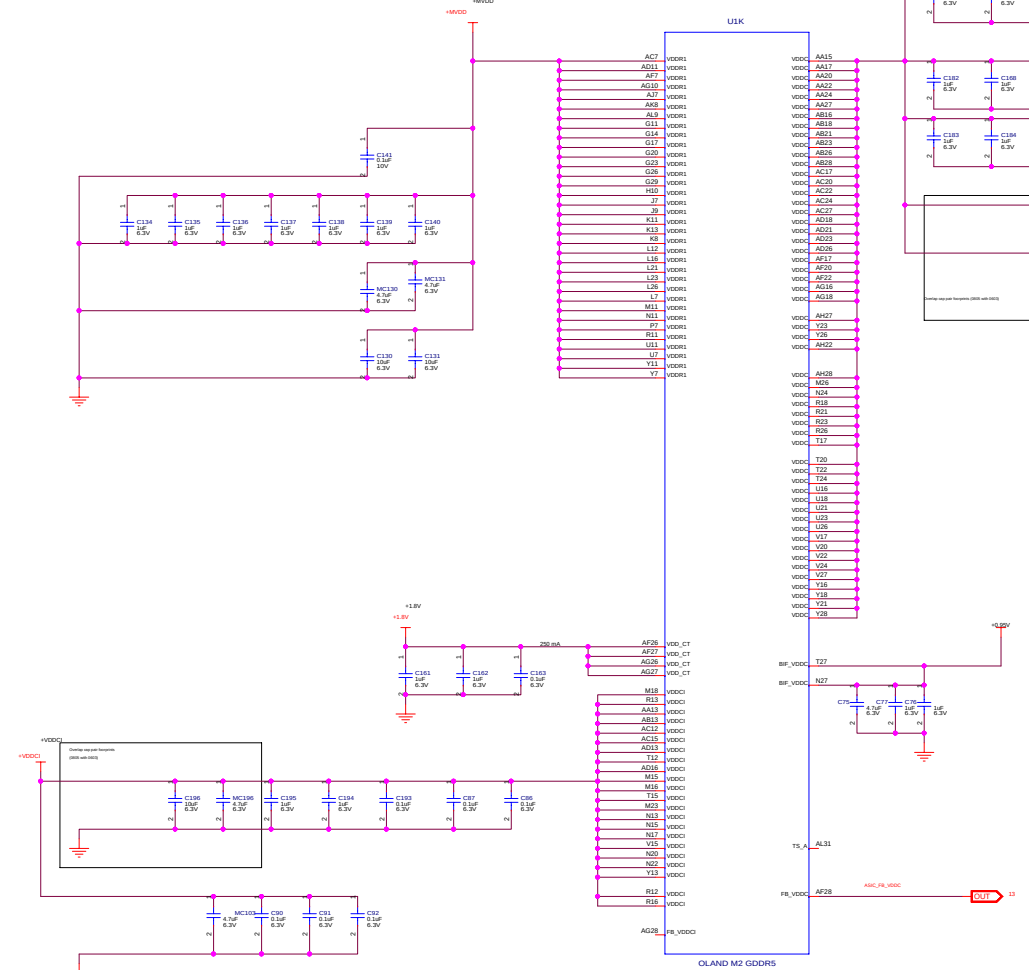
DATE: Mon Sep 21 10:05:46 2015

REV: 2.0

SHEET NUMBER: 8 OF 20

TITLE: Oland G5 2GB VGA/sDVI-I+HDMI/DP

OLAND Power & GND



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SHANGHAI, CHINA 201203

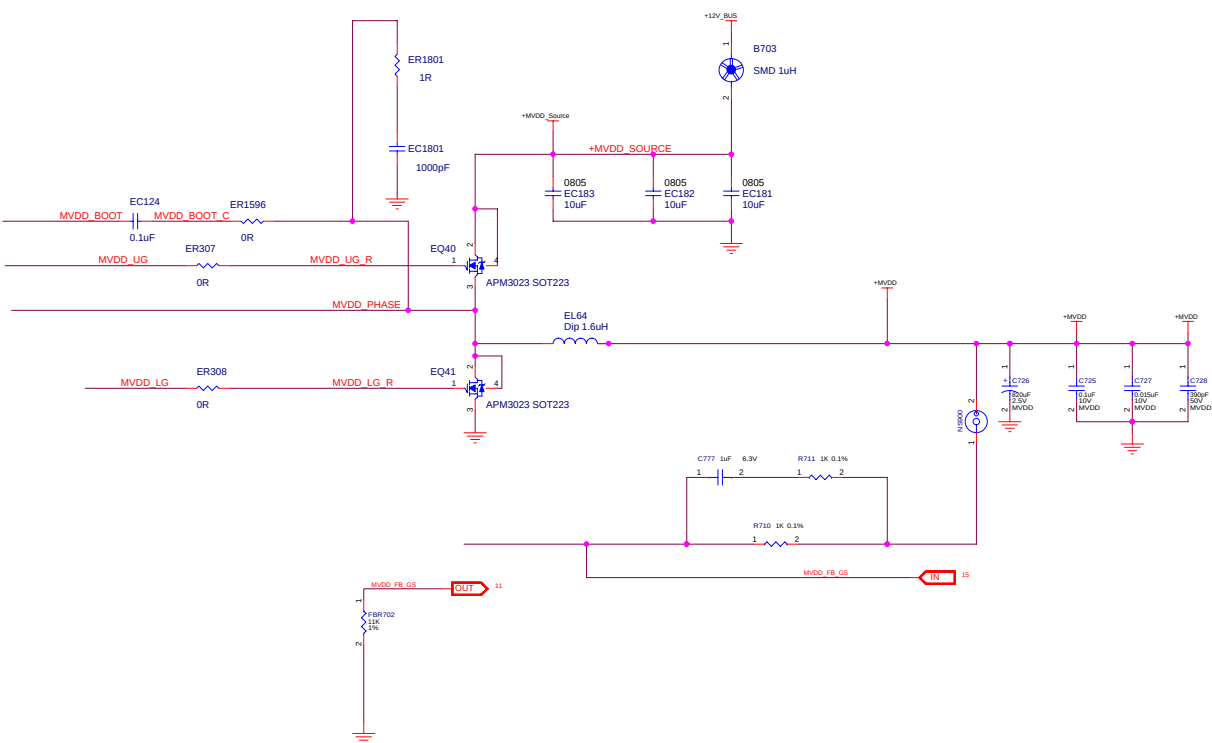
SHEET: Oland Power&GND	
DATE: Mon Sep 21 10:05:46 2015	REV: 2.0
SHEET NUMBER: 9 OF 20	
DOCUMENT NUMBER: 105-C869xx-008	

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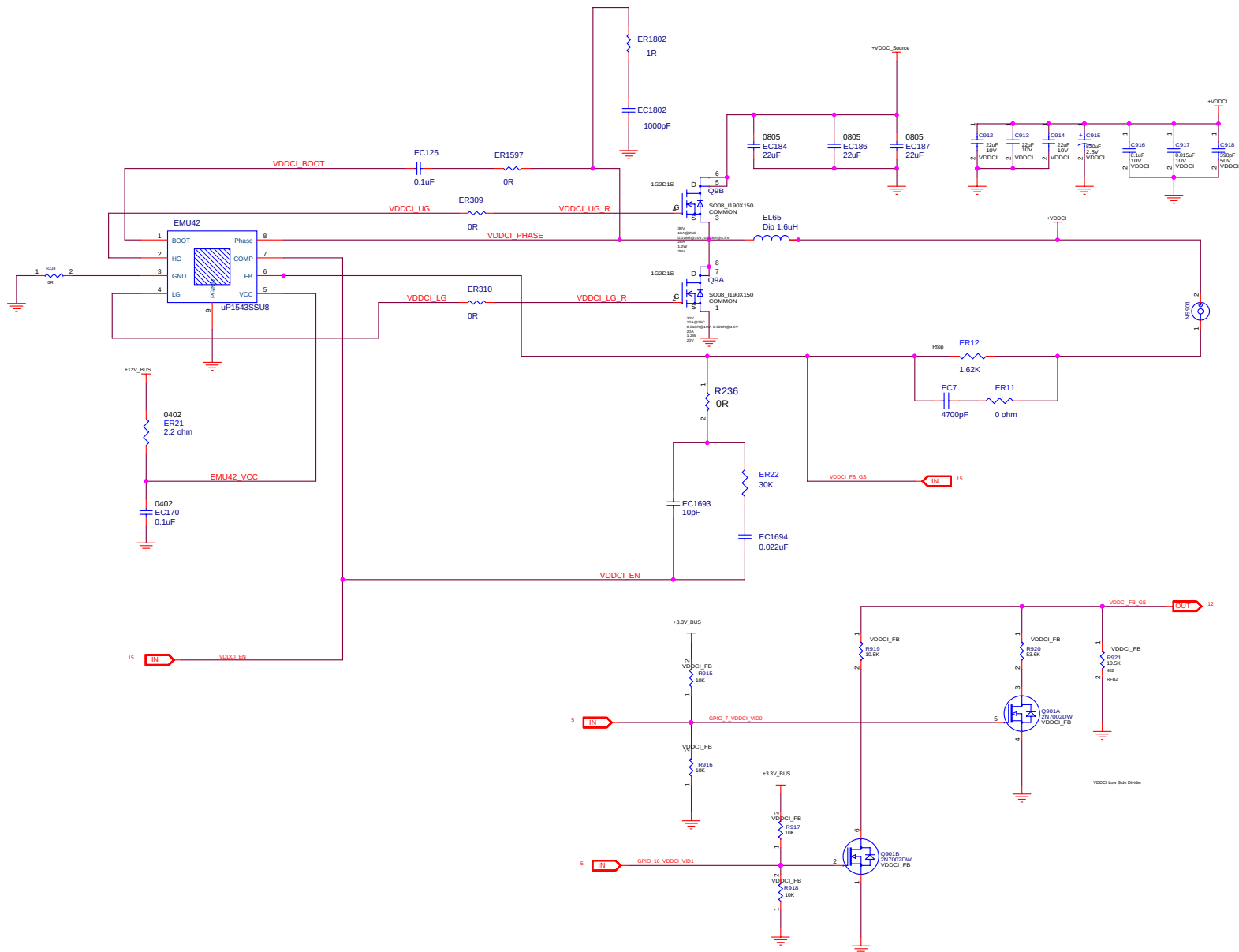
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SHEET: MVDD		
DATE: Tue Sep 22 06:32:59 2015	REV: 2.0	
SHEET NUMBER: 11 OF 20		
DOCUMENT NUMBER: 105-CB69xx-008		
NOTES: NOTE		

TITLE:

Oland G5 2GB VGA+sDVI-I+HDMI/DP



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SHANGHAI, CHINA 201203



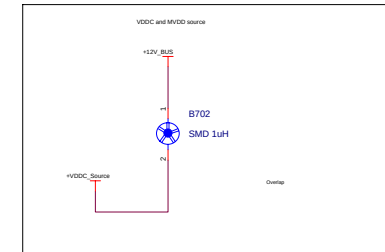
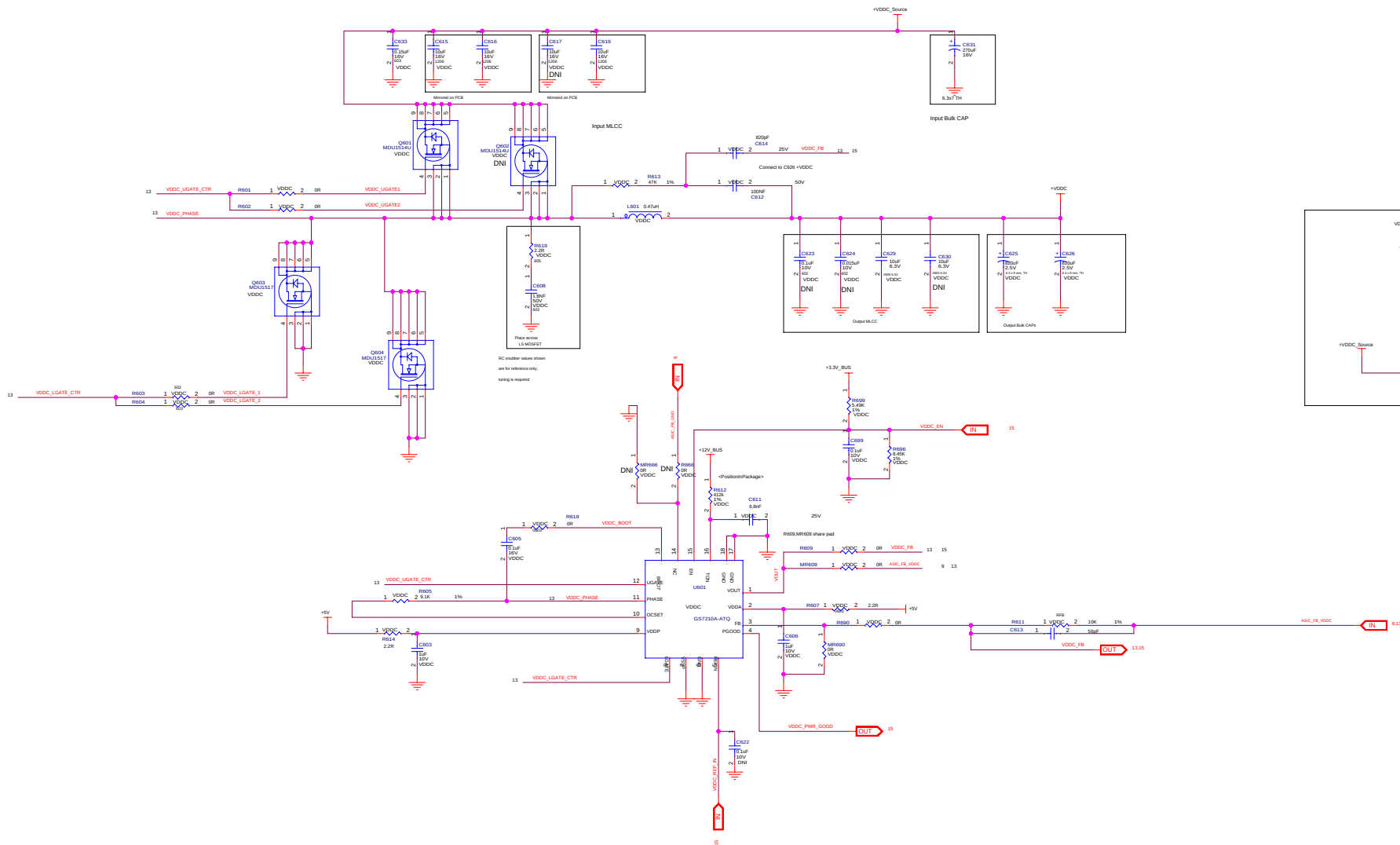
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DATE: Tue Sep 22 06:32:59 2015	REV: 2.0
SHEET NUMBER: 12 OF 20	
DOCUMENT NUMBER: 105-C869xx-00B	
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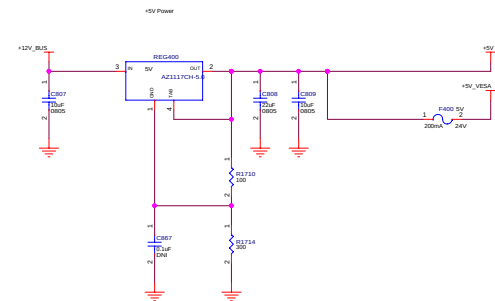
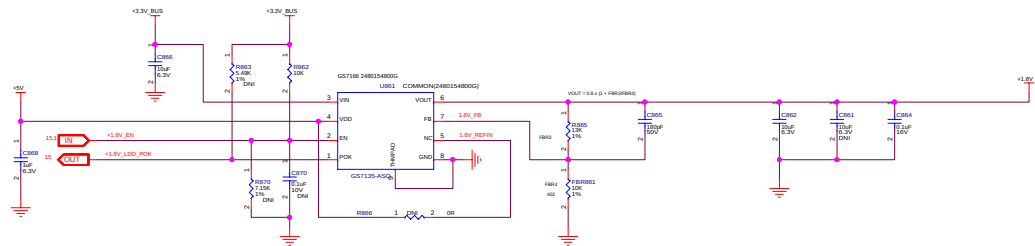
TITLE: Oland G5 2GB VGA/sDVI-I+HDMI/DP



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SHEET: VDDC		TITLE: Oland G5 2GB VGA/SDVI-I+HDMI/WDP	
DATE: Tue Sep 22 06:32:59 2015		REV: 2.0	
SHEET NUMBER: 13		OF 20	
DOCUMENT NUMBER: 105-C989xx-008			
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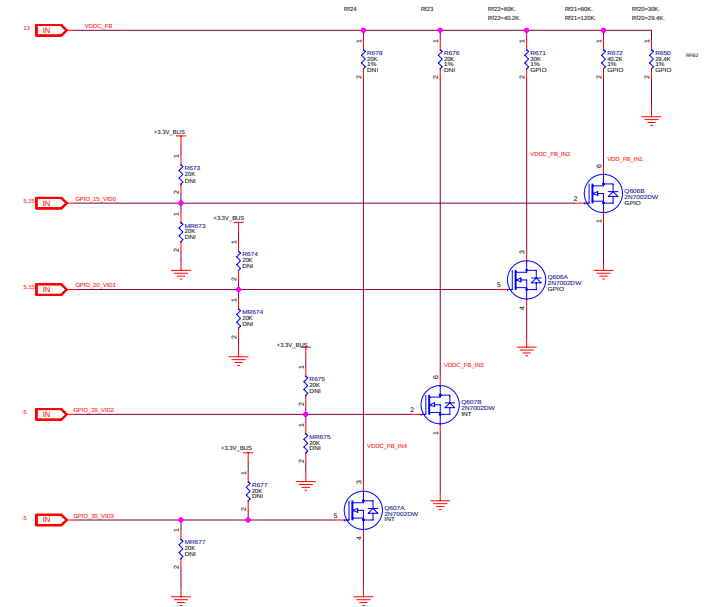
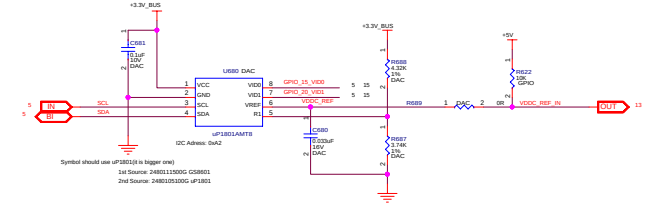
Linear Regulators

LDO I2:	Vin = 3.00V to 3.60V (3.3V +/- 9%)	Vout = +1.8V +/- 2%	Iout = 1.5A (TbV) RMS MAX
PCB: 50 to 70mm sq. copper area for cooling			

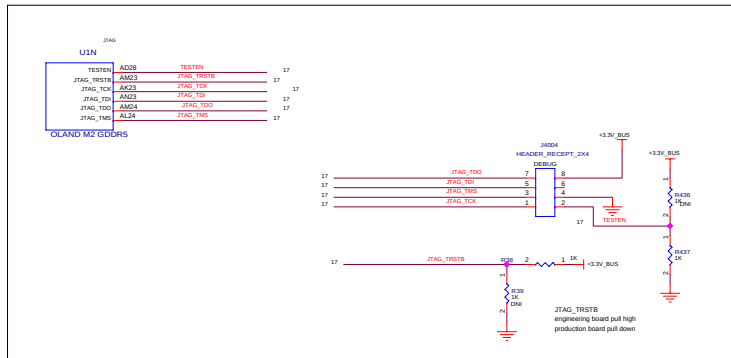


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SHEET: VDDCI					
DATE: Tue Sep 22 06:32:59 2015		REV: 2.0			
SHEET NUMBER: 14 OF 20					
DOCUMENT NUMBER: 105-C869rev-008					
NOTES: NOTE			TITLE: Oland G5 2GB VGA/sDVI-I+HDMI/DP		

Don't support BACO
Support CTF(internal)



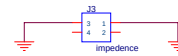
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DATE: Tue Sep 22 06:32:59 2015	
SHEET NUMBER: 15 OF 20	REV: 2.0
DOCUMENT NUMBER: 105-C889xx-008	TITLE: Oland G5 2GB VGA/sDVI+HDMI/DP
NOTES: NOTE	



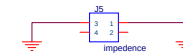
TOP
Single end
RGB
50 ohm +/- 10%
4.02 mils



Bottom
Single end
Address trunk
37 ohm +/- 5 ohm
7.05mils



TOP
Different
TMDS
85 ohm +/- 10 %
4.33 mils / 5.511 mils



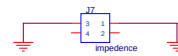
Bottom
Different
PEX_PCIE
85 ohm +/- 10 %
4.33 mils / 5.51 mils



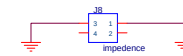
L3_INNER
Single end
Memory data
45 ohm +/- 5 ohm
6.89 mils



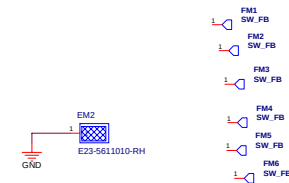
L4_INNER
Single end
Memory data
45 ohm +/- 5 ohm
6.89 mils



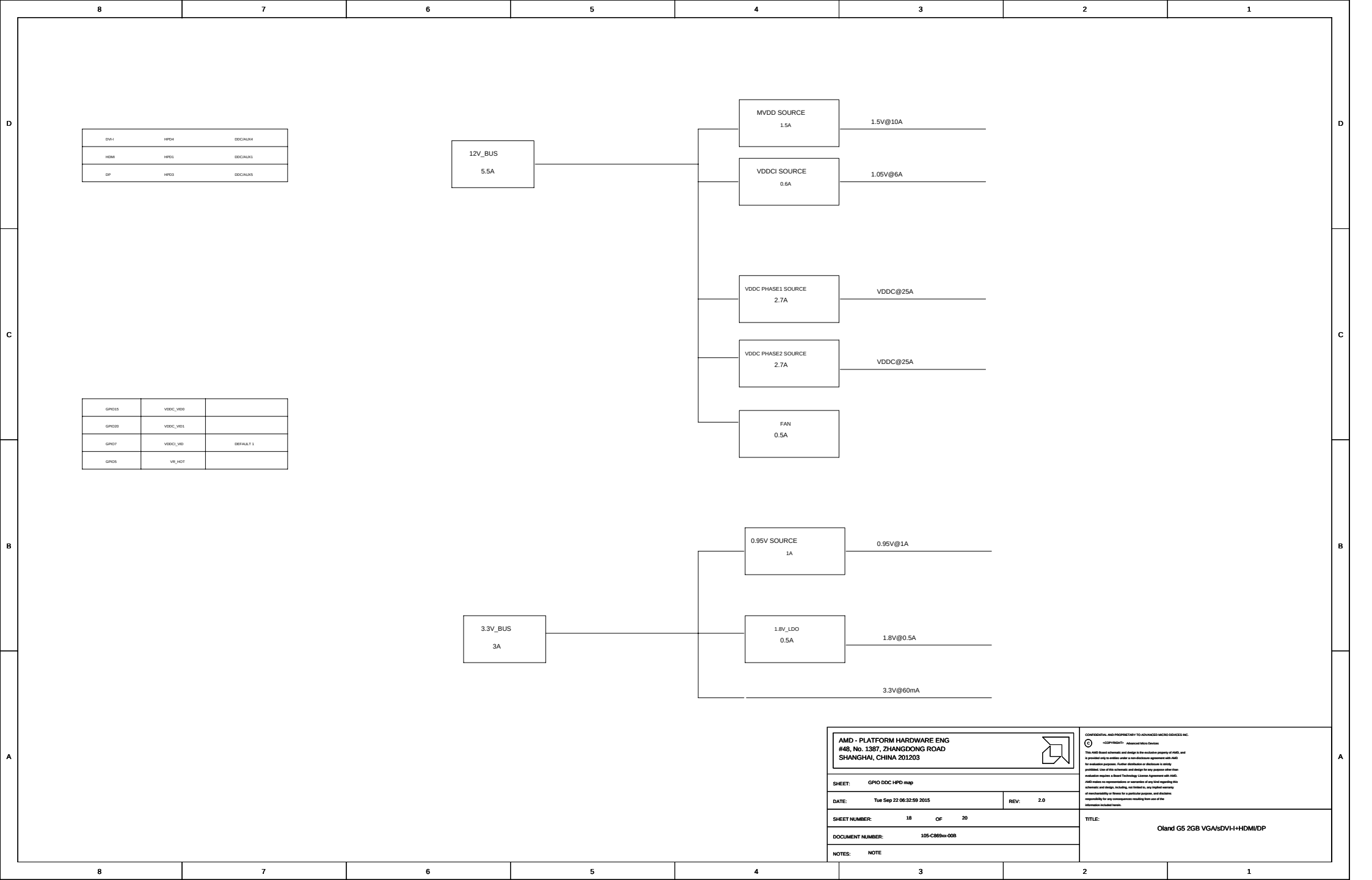
L3_INNER
Different
TMDS
85 ohm +/- 10 %
4.33 mils / 5.511 mils

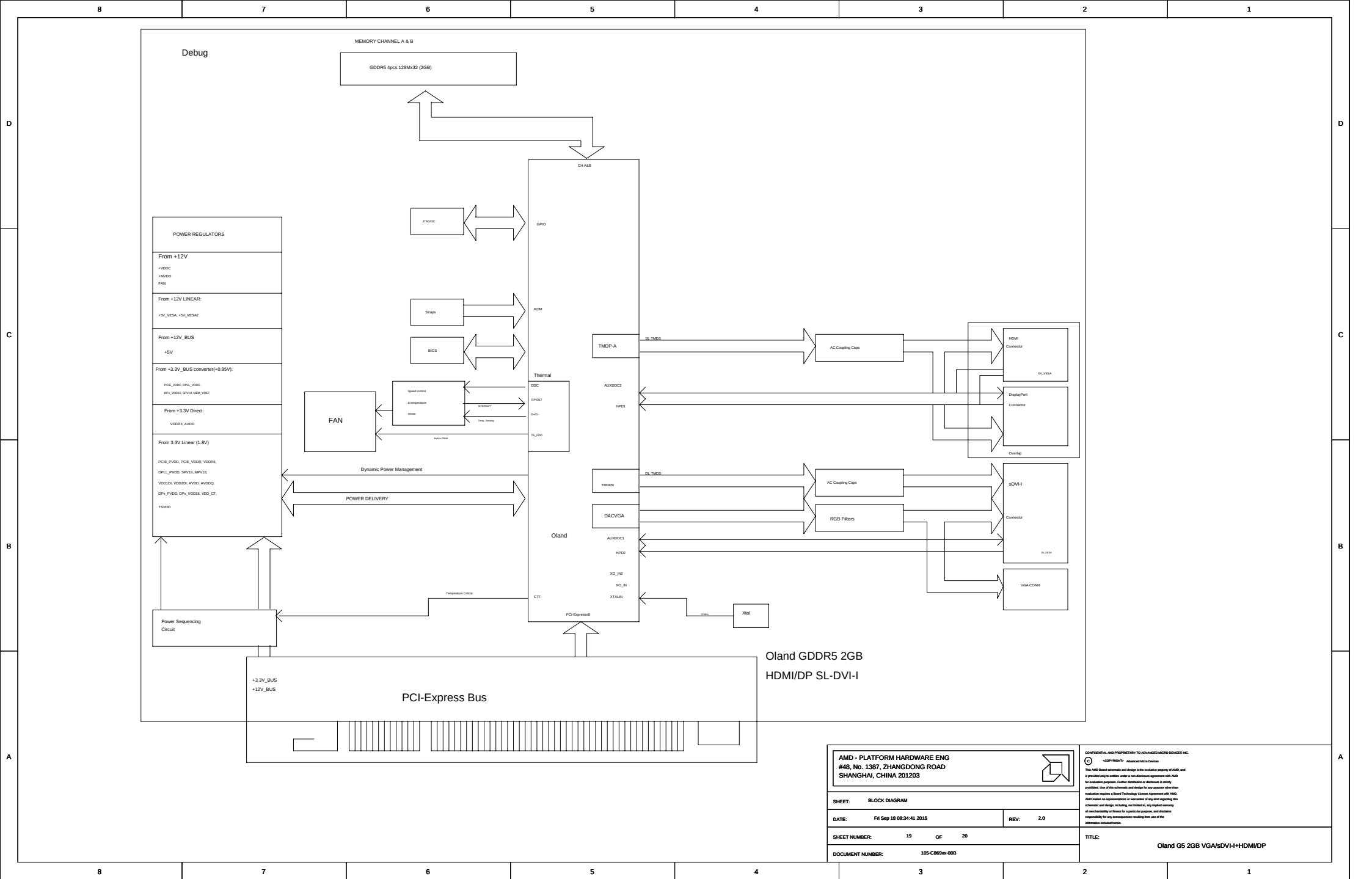


L4_INNER
Different
Mem Clock
80 ohm +/- 10 %
5.12 mils / 7.48 mils



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SHEET:	VDDCI	DATE:	Tue Sep 22 06:32:59 2015	REV:	2.0
SHEET NUMBER:	17	OF	20	TITLE:	
DOCUMENT NUMBER:	105-C869-008				
NOTES:	NOTE				





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AMD 		TITLE: Oland G5 2GB VGA/SDVI-I+HDMI/DP				DOCUMENT NUMBER: 105-C809v0-006			DATE: Tue Sep 22 02:20:17 2015			SHEET NUMBER: 20 OF 20			REV: 2.0
REVISION HISTORY				ENGINEER: Tony Yang		NOTES: NOTE		CONFIDENTIAL AND PROPRIETARY TO ADVANCED MICRO DEVICES INC. This AMD Board schematic and design is the exclusive property of AMD, and is provided only to entities under a non-disclosure agreement with AMD for evaluation purposes. Further distribution or disclosure is strictly prohibited. Use of this schematic and design for any purpose other than evaluation requires a Board Technology License Agreement with AMD. AMD makes no representation or warranty of any kind regarding this schematic and design, including, not limited to, any implied warranty of merchantability or fitness for a particular purpose, and disclaims responsibility for any consequences resulting from use of this information included herein. COPYRIGHT Advanced Micro Devices				AMD - PLATFORM HARDWARE ENG #48, No. 1387, ZHANGDONG ROAD SHANGHAI, CHINA 201203			
SCH Rev		PCB Rev	Date	REVISION DESCRIPTION											
1.00		000	04/23/14	1 Initial release											
2.00		000	09/22/15	2 Add VGA, HD											

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C

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