

FWM600MOD SCHEMATIC

MAIN

FWM600MOD_Main_Rev03

FRANKLIN TECHNOLOGY INC. CONFIDENTIAL AND PROPRIETARY

PROJECT	M600			APPR.	Thomas
TITLE	1.TITLE_MAIN			QC	<QC By>
FILENAME				CHECK	<Checked By>
DATE	2010.09.01	VER	P3	DRAW	<Drawn By>
SHEET	1 of 6	REV	03	FRANKLIN TECHNOLOGY INC.	

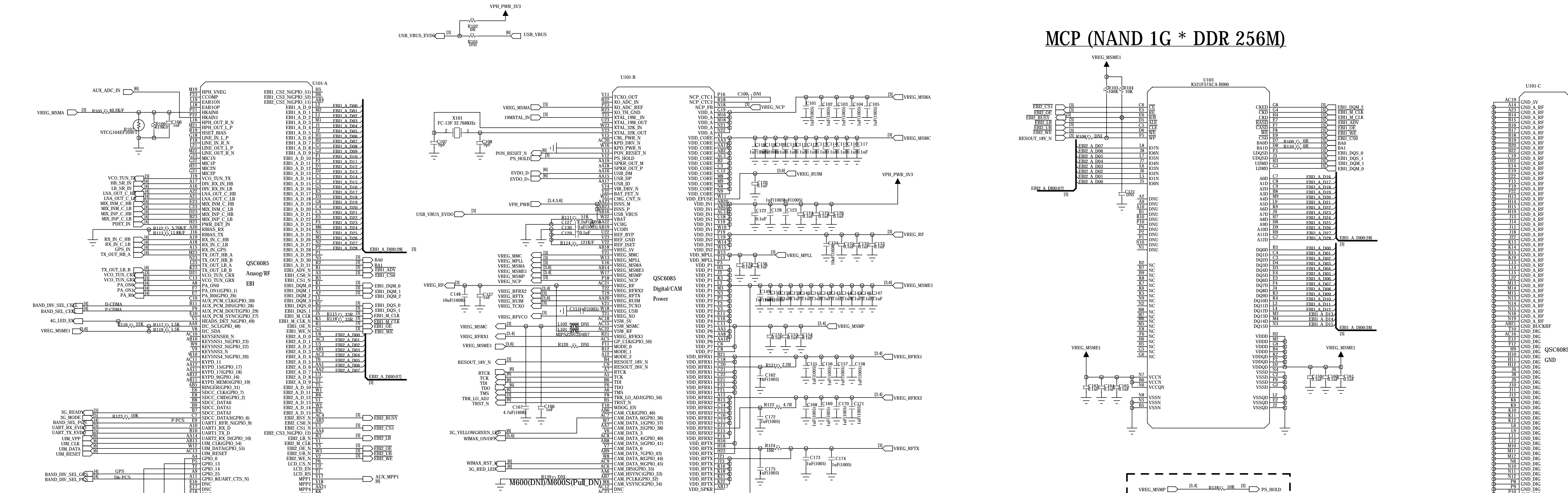
Revision History

Version	Revision	Date	Operator	Description	Remark
P1	01			Initial	
P2	01	2010.07.14	Kyle Choi	1. DPX402 (ACMD7403 => MFD880960W03) 2. FL409 (B9034 => LW31A) 3. X601/X701 (C3F12.000-30HZ30125 => DSX221G-12MHz) 4. C182 (0603 => 1005) 5. U406 (KIC7S02FU => KIC7SZ02FU) 6. Q605/Q701 (S2343DS => S2343CDS) 7. F602/F701 (ICMEF212P121M => BS-CM-900HAS-T) 8. U703 (RP103N261B-TR-FE => MIC5255-2.6V) 9. C716 0.1uF(1005) 10. LED701/LED702 (SSC-FR104-III => HT-191UR) 11. LED703 (SSC-YG101-IC1 => HT-191YG)	Part Change Part/Size Change Part Change Size Change Part Change Part Change Part Change Part Change Part Add Part Change Part Change
P2	02	2010.07.20	Kyle Choi	1. U602 (RT8020 => RT8010A) 2. U606 (MIC47050YML) 3. R627, R628, R632, R633, L604, C608 4. C604, R620, R621, R623, R701, D706 5. F602, F701 6. Q701 7. D702 (RSX501LA-20 => RSX051VA-30) 8. L701 (NRH3012T4R7M => NRS5020T 4R7M) 9. R741, R743, R744, R747, R748, L708, C729, C730, C731, C733, CT704 10. R750, R752, R754, R755, R756, R757, L709, CT705, C736, C737, C738, C739 11. U705 (MAX15041ETE => MIC37100-3.3WS) 12. U706 (MAX15041ETE => MIC37100-1.5WS) 13. R749, R751 (DNI => 0R(1005)) 14. C727, C734 (10uF/50V(3225) => 10uF/10V(2012)) 15. C728, C735 (47uF/6.3V(3225) => 10uF/10V(2012)) 16. R706 (0R(1005) => DNI) 17. U701 (MM60-EZH059-B5 => 48099-5701) 18. CON704 (MM60-52B1-E1 => 67910-5701)	Part Change Part Add Part Remove Part Add PCB Decal Change Part Remove Part Change Part Change Part Remove Part Remove Part Change Part Change Value Change Part Change Part Change Value Change Part Change Part Change
P2	03	2010.07.23	Kyle Choi	1. C302 (15pF) 2. U401 (CP0402A0836BNTR => CP0402A0836DNTR) 3. C304 C313 C334 C340 C341 C343 C360 C378 C379 C384 C387 4. C330 C361 C362 C367 C369 C370 C381 C390 C403 C602 5. L401 L402 L403 L410 L412 L419 L420 L424 L436 6. L430 Q606 R656 D601 7. Q605 (S2343CDS => RZL035P01) 8. Q607 Q608 (KRC404V => KRA304V) 9. LED Control	Part Add Part Change Value Change Value Change Value Change Part Remove Part Change Part Change Net Change
P2	04	2010.07.26	Kyle Choi	1. CT702 CT703 2. UART Control 3. R125 4. U104 R136 R137 R138 C201 CON713 CON714 5. Wimax 6. Q602 Q603 Q604 (DTC124EM => KRC404V) 7. D706 (DNI => RSX501LA-20) 8. R712 R713 R723 R724 C573 C574 C606 C608 9. Q702 Q703 Q704 (DTC124EM => KRA304V) 10. mini PCIe 1.5V 11. R707 R727 R728 12. L102 (MIPSZ2012D4R7 => DNI) 13. X601/X701 (DSX221G-12MHz => E2SB12.0000F10E33-12MHz) 14. C615 C616 C725 C726 15. X502 (DSX221S-40MHz => DSX221G-40MHz) 16. SW401, SW403, SW501, SW502, SW702, SW703, SW704, SW705 (MM9329-2700 => U.FL-R-SMT)	PCB Decal Change Net Change Value Change(HW Revision) Part Add Net Change Part Change Value Change Part Add Part Change Net Add Value Change Value Change Part Change Value Change Part Change Part Change
P3	01	2010.08.24	Kyle Choi	1. R125, R126 2. R139 3. U104 (MIC47050 => MP2005) 4. R137 R138 5. X101 (FC-135 => FC-13F) 6. L421 7. C575, C576, R601 8. U505 (NC7S14L6X => KIC7SZ14FU) 9. R502 10. U602 (RT8010A => RT8058PQW) 11. L605 12. U606 (MIC47050 => MP2005) 13. R602, R619, R620, R621, R637, R645, R646 14. TP601-TP613, TP701 15. U603 (FE4.1 => USB2412) 16. L606 (1608 Pwr Inductor => BEAD600R) 17. F602 (BS-CM-900HAS-T => TCM0806G-900-2P-T) 18. R605, R606, R626, R627, R628, R629, R630, R632, R633, R648, R656, R657, R658 19. C613, C614, C617, C619, C620, C623, L706, D707 20. R710, L702, L703, L704, L705, C708, C709, C710, C712, C713, C714 21. CT704, R714, R715, R725, R726, R741, L706, C717, C729 22. TP701-TP704 23. R751, L707	Value Change(HW Revision) Part Add (Seperate M600/M600S) Part Change Value Change Part Change Value Change Part Add Part Change Part Remove Part Change Value Change Part Change Value Change Part Add Part Change Part Change Part Change Part Add Part Add Value Change Part Add Part Add Part Add Part/Size Change
P3	02	2010.08.27	Kyle Choi	1. CON710, U707, L708, C736, C737, R752	Part Add
P3	03	2010.08.30	Kyle Choi	1. DPX402 (MFD880960W03 => ACMD-7403) 2. X102 (KT3225P19200DCV28KN0 => TOH19200PH4CND)	Part Change Part Change

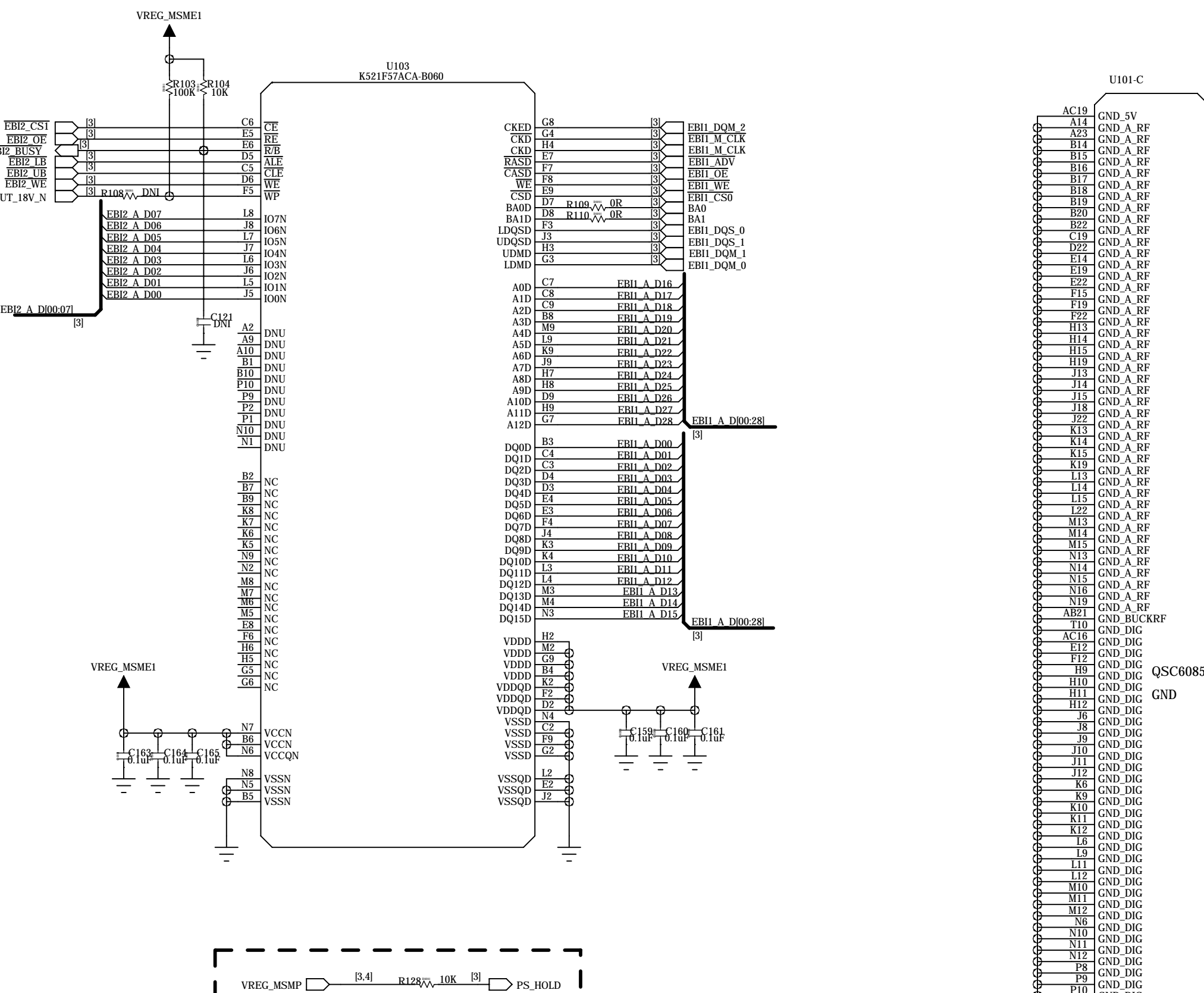
Version	Revision	Date	Operator	Description	Remark
P3	04	2010.08.31	Kyle Choi	1. L438	Value Change

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PROJECT	M600			APPR.	Thomas
TITLE	2.REV_HISTORY			CHECK	<QC By>
FILENAME				CHECK	<Checked By>
DATE	2010.09.01	VER	P3	DRAW	<Drawn By>
SHEET	2 of 6	REV	03	FRANKLIN TECHNOLOGY INC.	

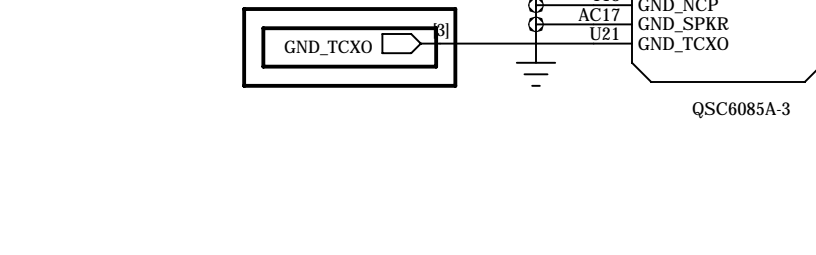
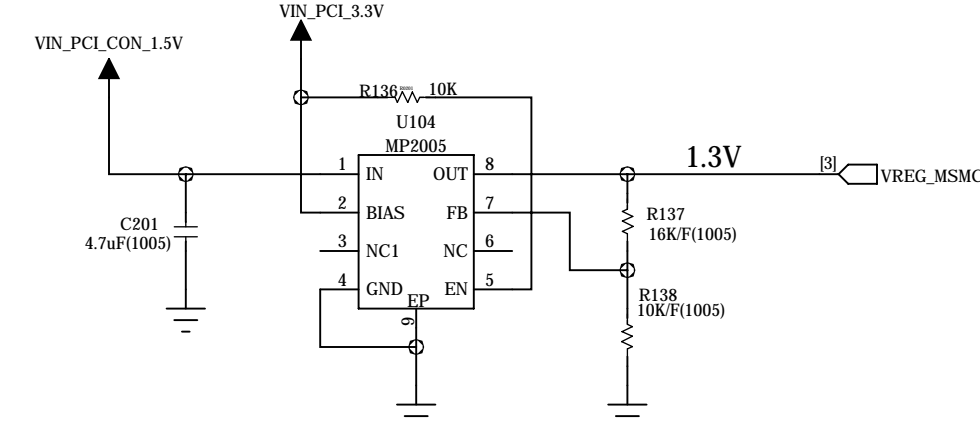
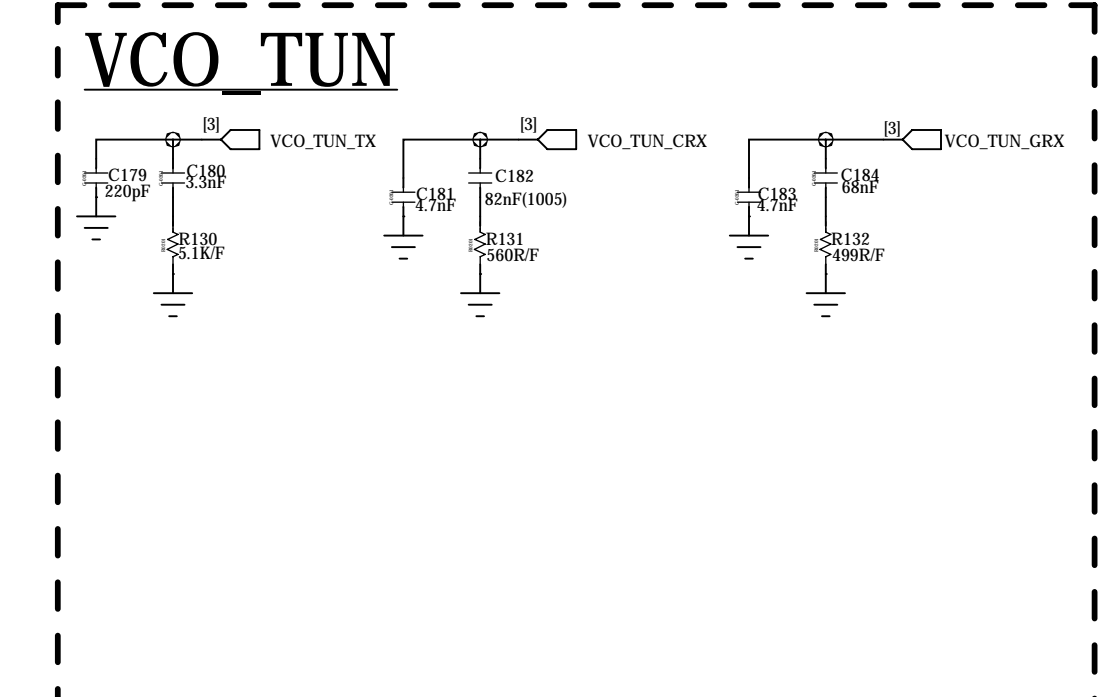
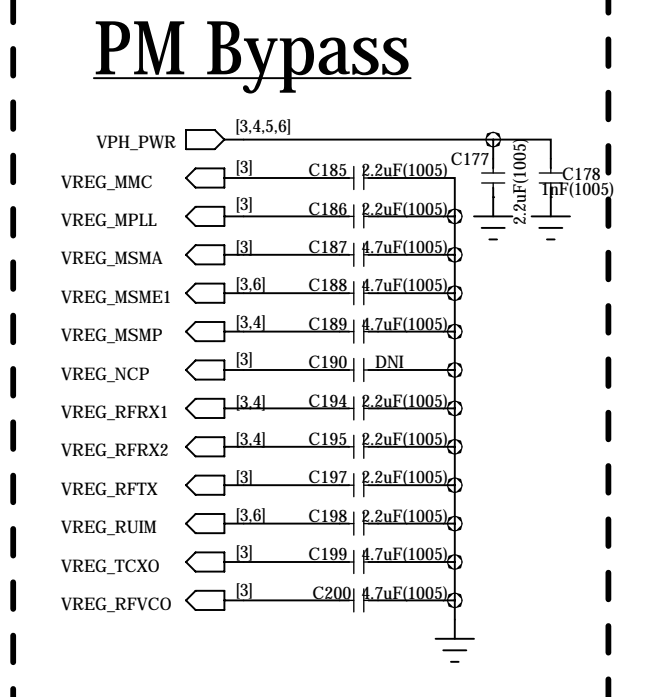
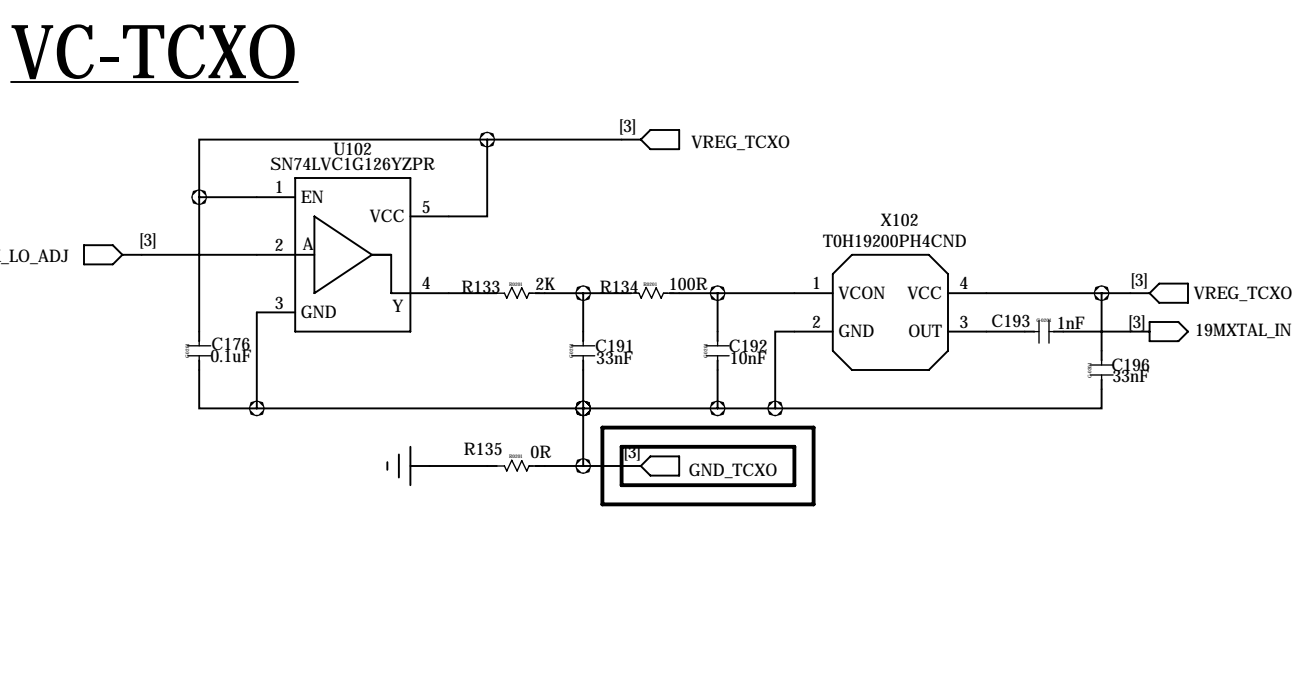


MCP (NAND 1G * DDR 256M)



HW Revision

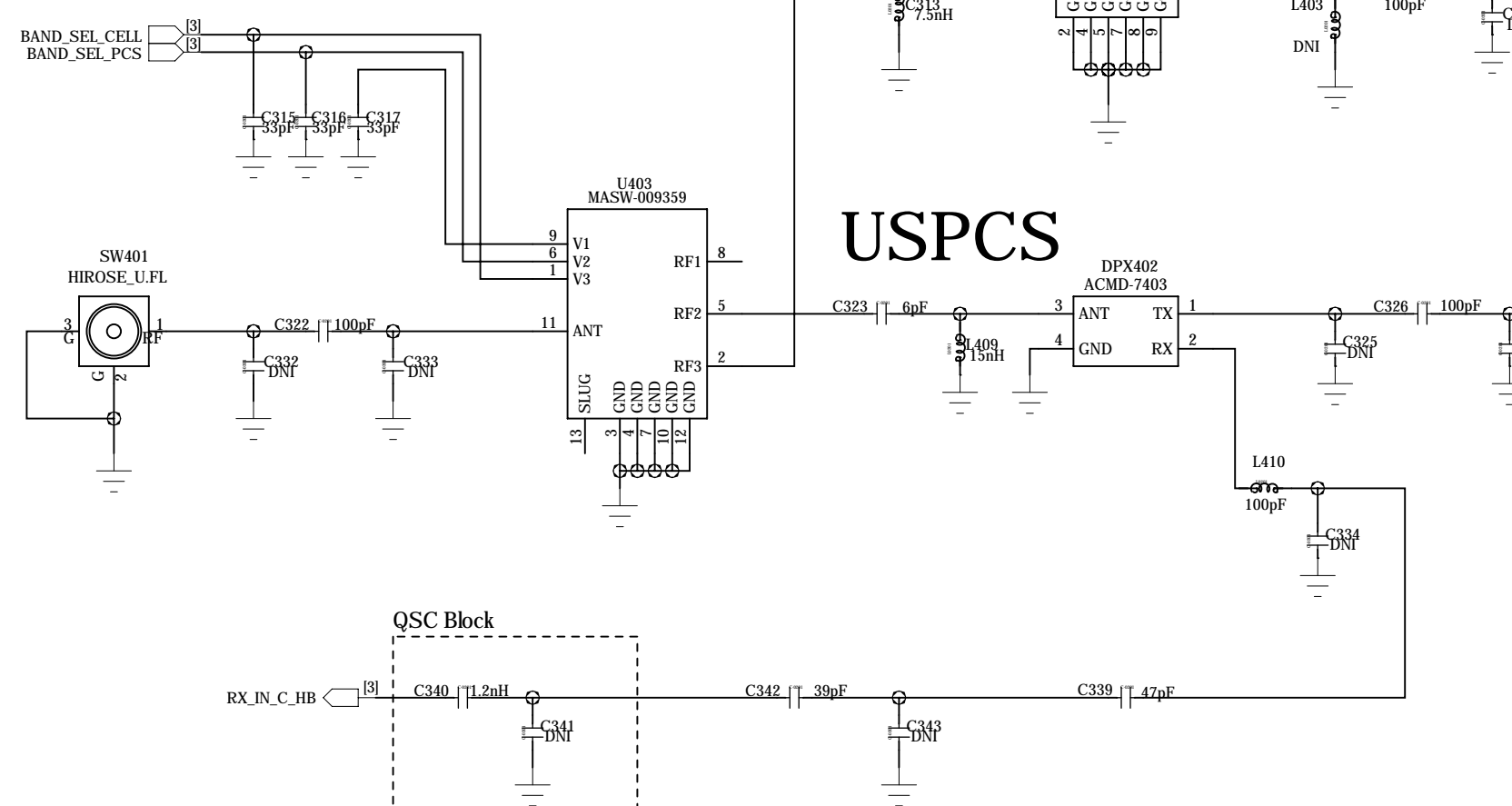
	GPIO_14	GPIO_13	GPIO_0
P1	Open	Open	Open
P2	Open	Open	PuL_DN
P3	Open	PuL_DN	Open
P4	Open	PuL_DN	PuL_DN
PP1	PuL_DN	Open	Open
PP2	PuL_DN	Open	PuL_DN
MP1	PuL_DN	PuL_DN	Open
MP2	PuL_DN	PuL_DN	PuL_DN



PROJECT	M600	APPR.	Thomas
TITLE	3.EVDO_LOGIC	CHECK	<QC By>
FILENAME		CHECK	<Checked By>
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PRIMARY

SW Control	GPIO_29(F9) BAND_SEL_CELL V1	GPIO_9(E9) BAND_SEL_PCS V2
RF1_CELL	H	L
RF2_PCS	L	H



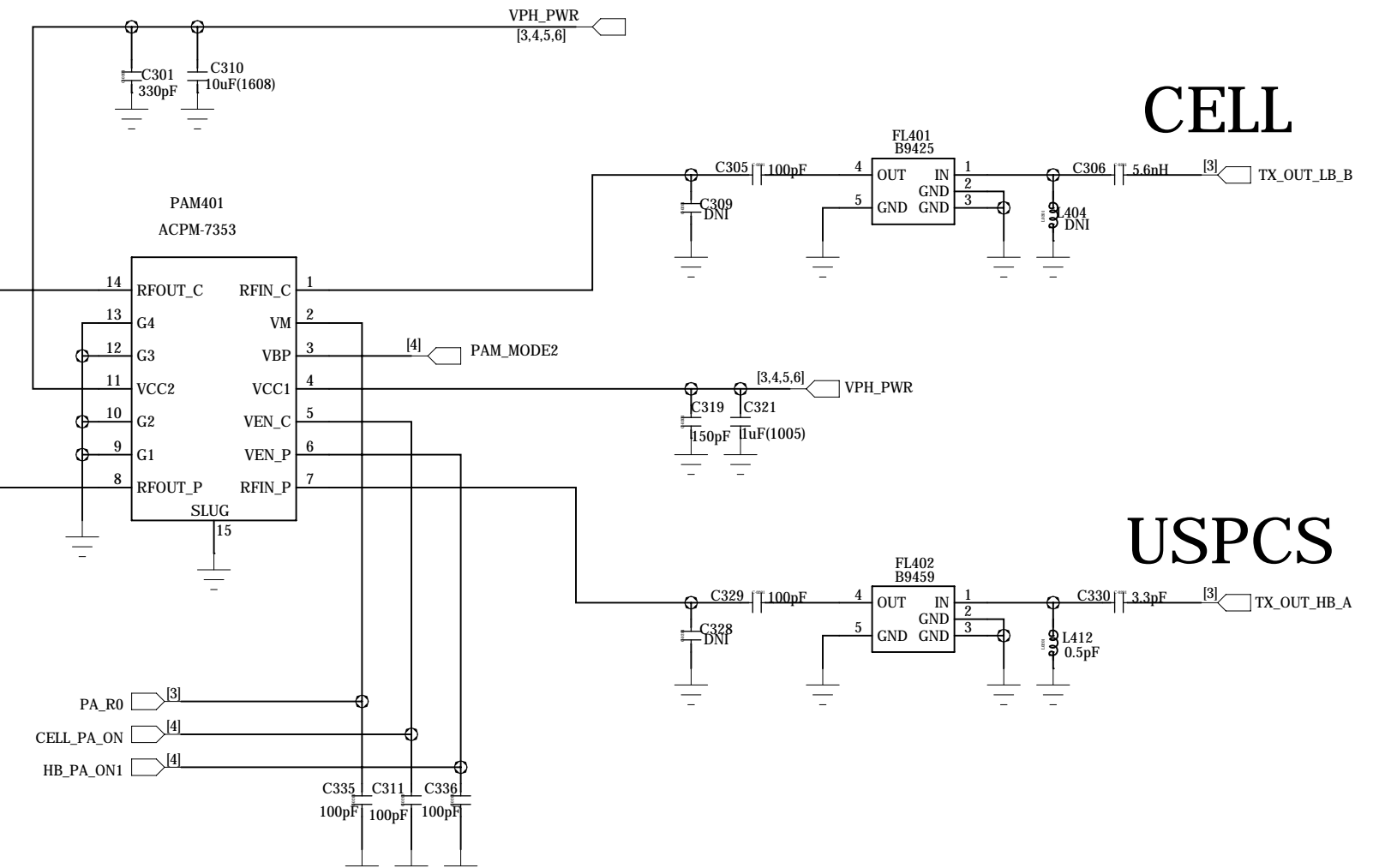
CELL

25.2dB

USPCS

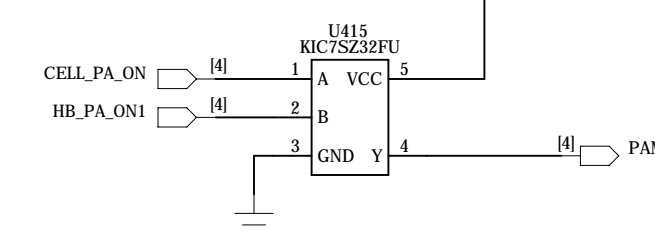
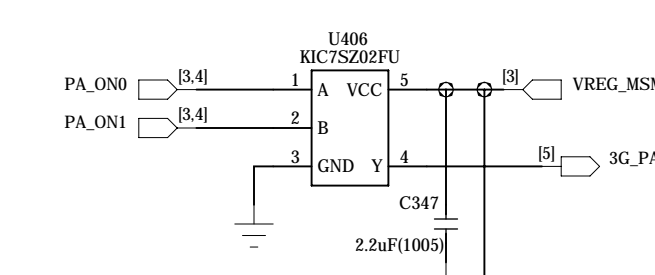
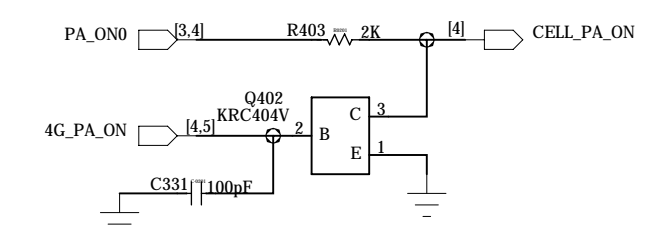
24.2dB

Atten: -3dB



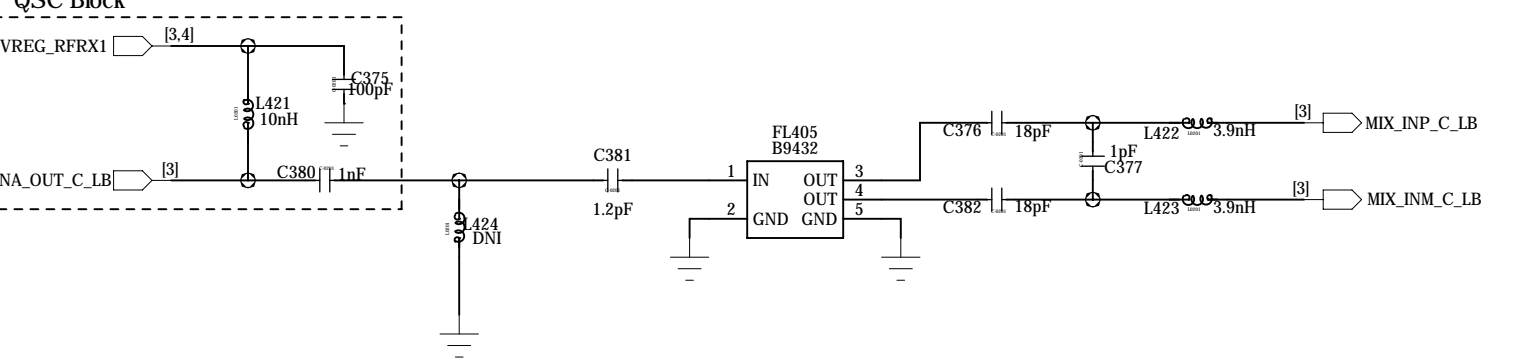
CELL

USPCS

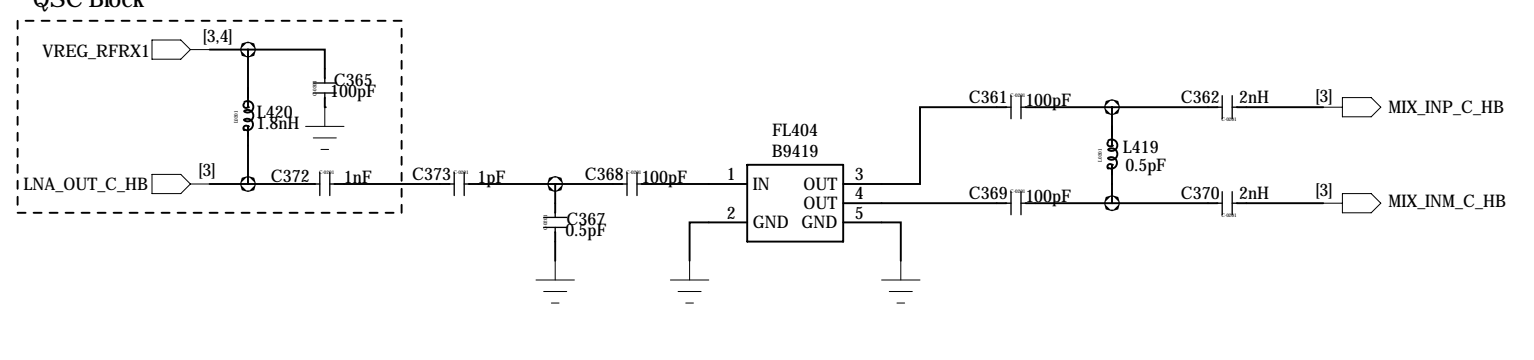


LNA OUT

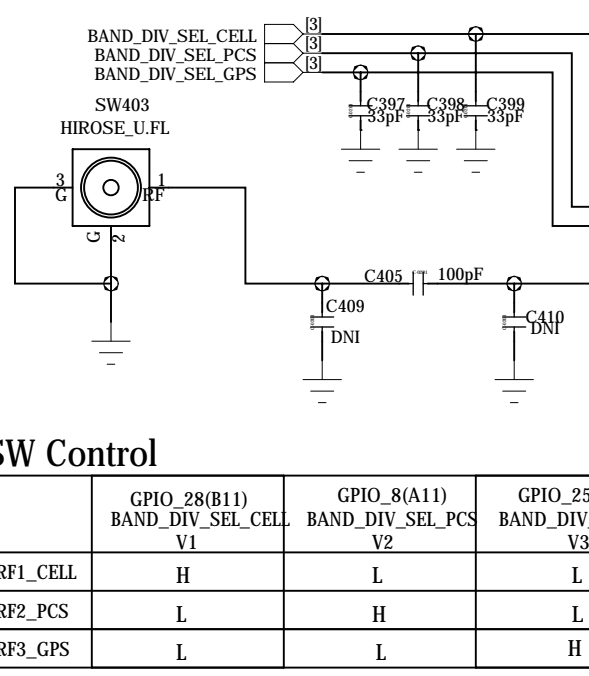
CELL



USPCS



DIVERSITY

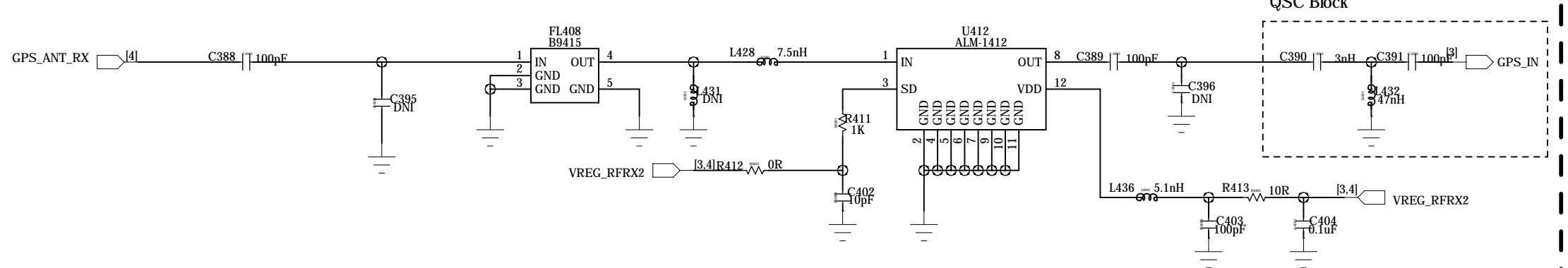


SW Control	GPIO_28(B11) BAND_DIV_SEL_CELL V1	GPIO_8(A11) BAND_DIV_SEL_PCS V2	GPIO_25(A9) BAND_DIV_SEL_GPS V3
RF1_CELL	H	L	L
RF2_PCS	L	H	L
RF3_GPS	L	L	H

CELL

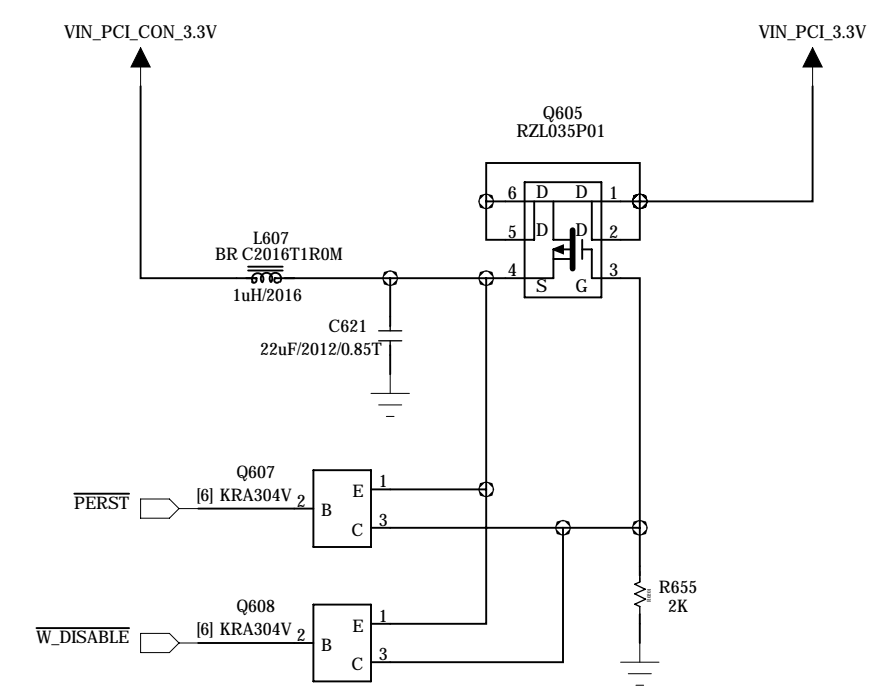
USPCS

GPS

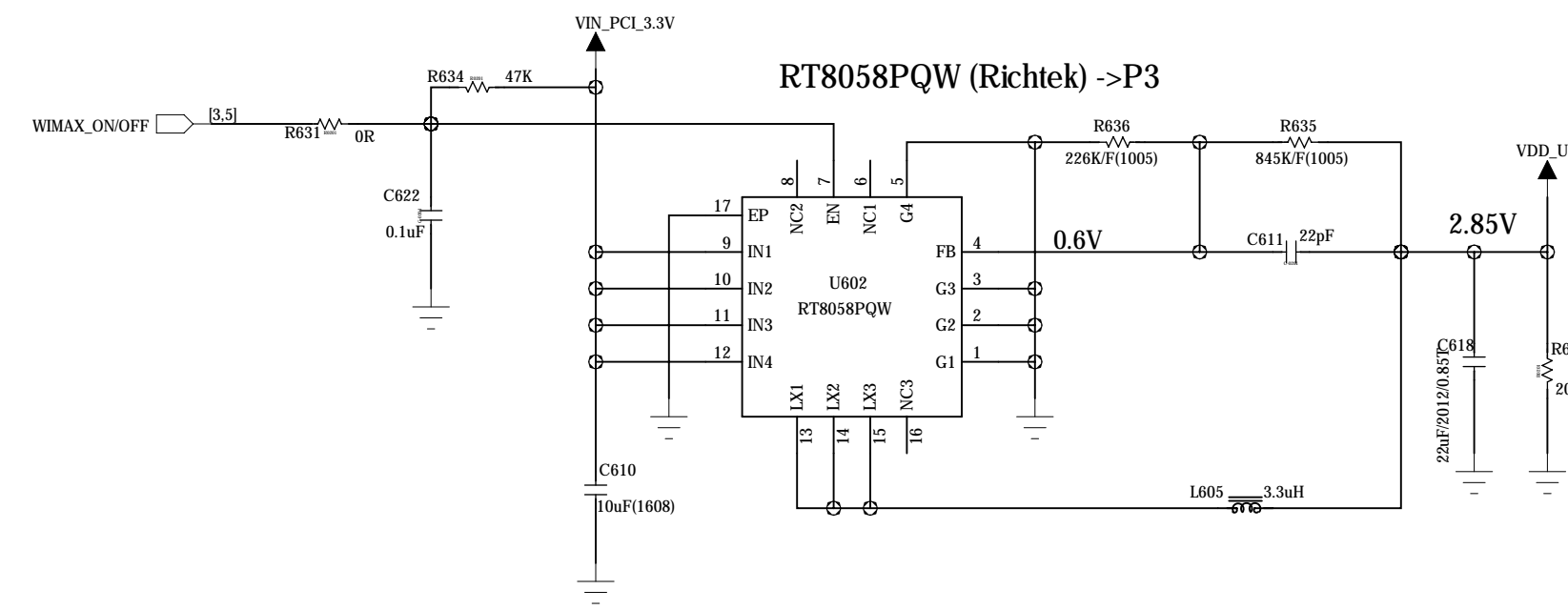


PROJECT	M600	APPR.	Thomas
TITLE	4.EVDO_RF	CHECK	<QC By>
FILENAME		CHECK	<Checked By>
DATE	2010.09.01	VER	P3
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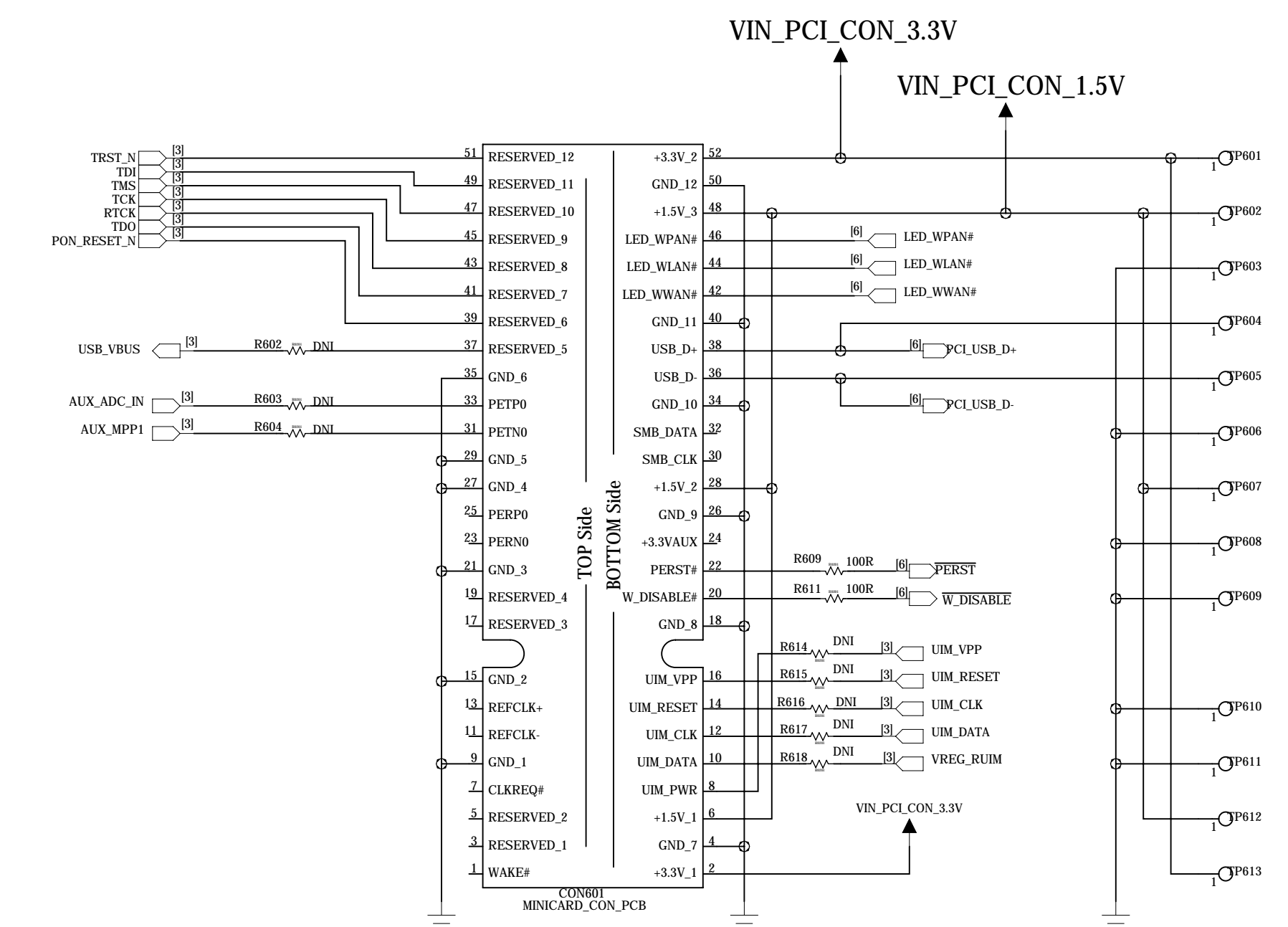
Main Power SW for PCI Mini Card



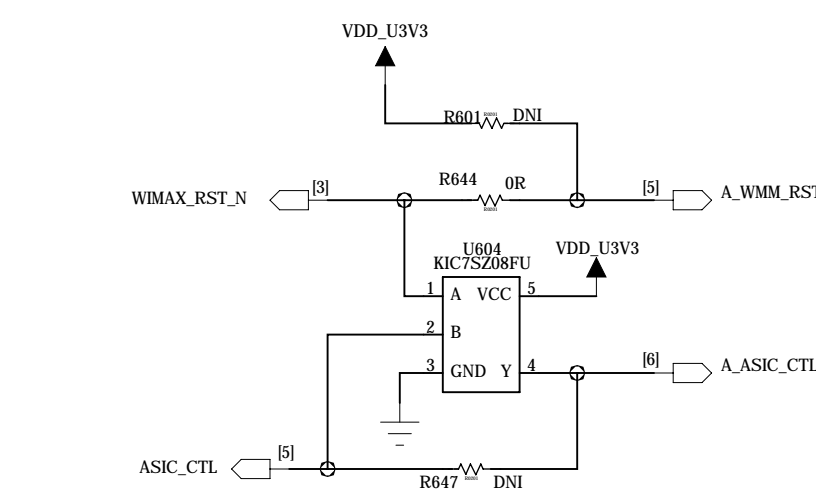
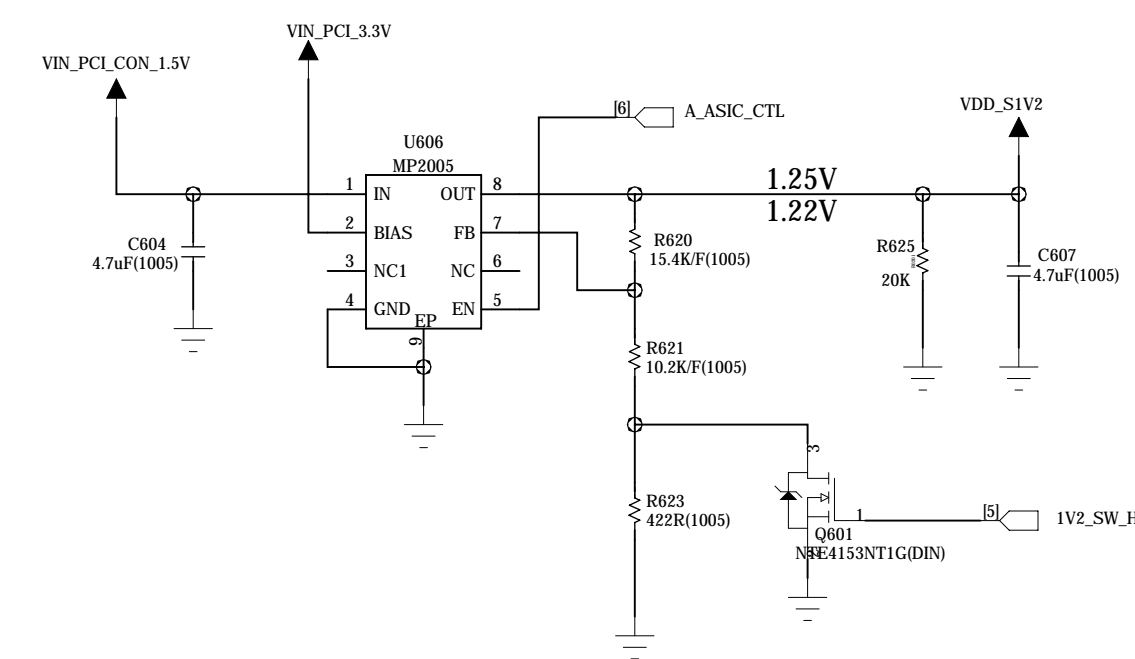
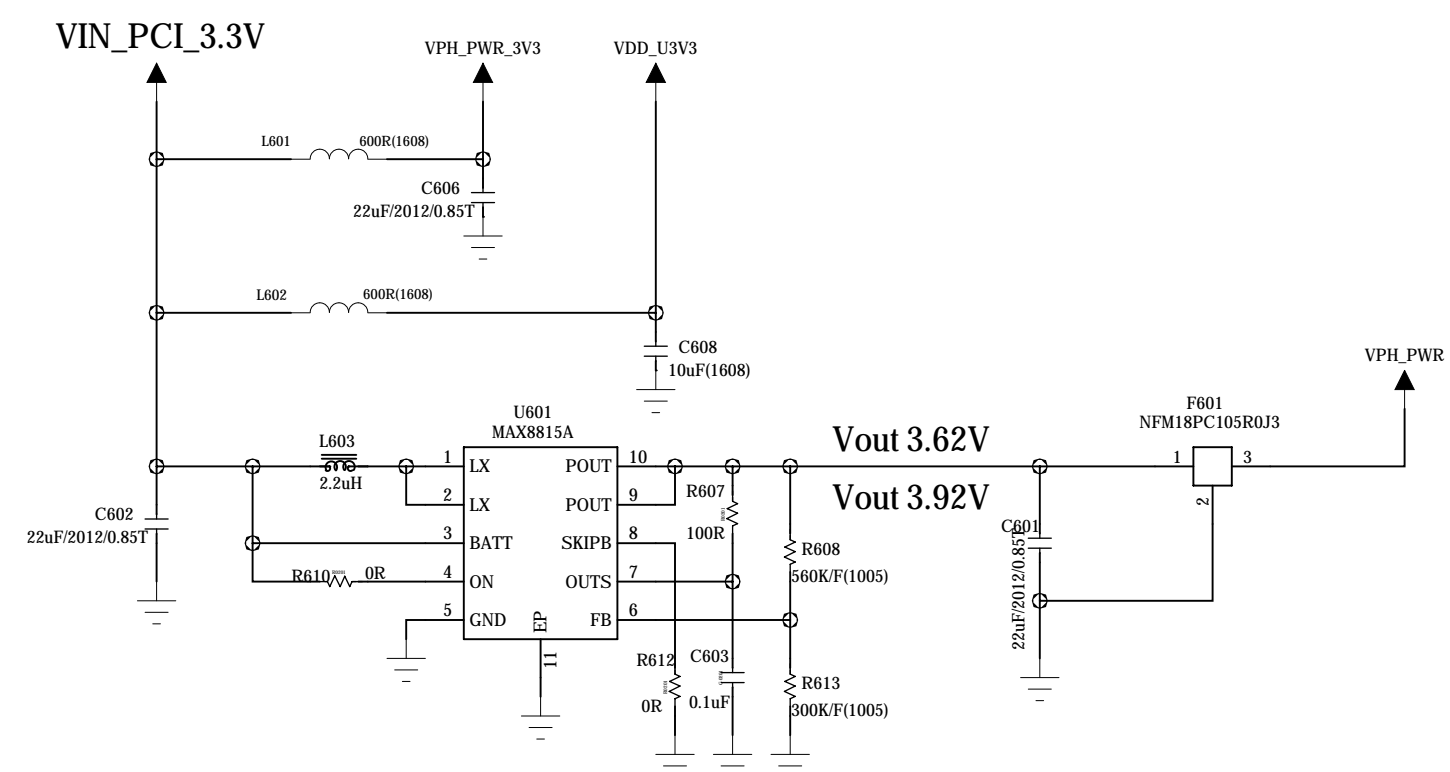
DC-DC for WiMAX



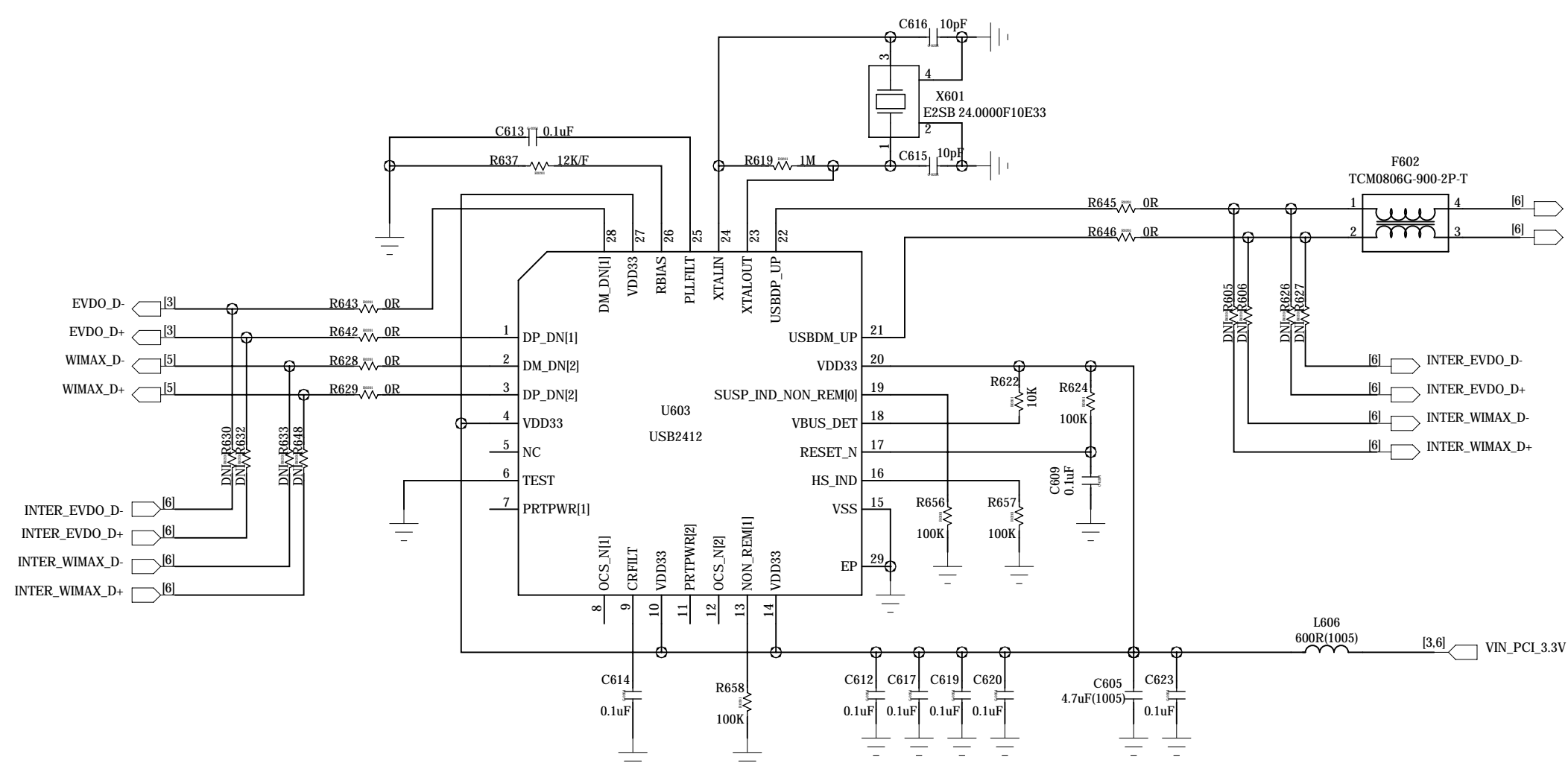
PCI Express mini Card Connector



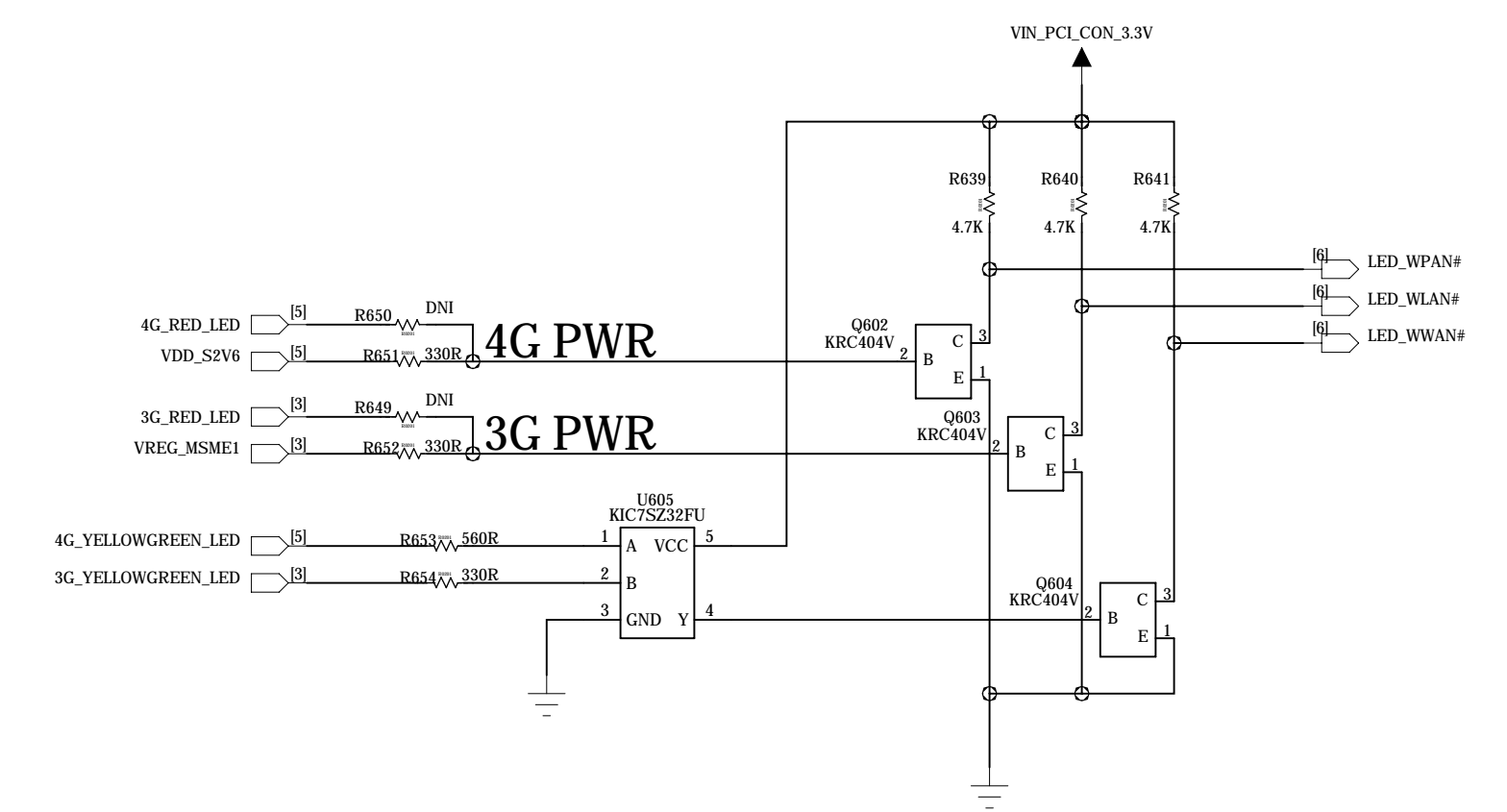
Main Boost DC-DC for PAM



USB HUB Controller



LED Controller



PROJECT	M600	APPR.	Thomas
TITLE	6.POWER	CHECK	<QC By>
FILENAME		CHECK	<Checked By>
DATE	2010.09.01	VER	P3
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