

LUX Rev A TOP

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

D

D

C

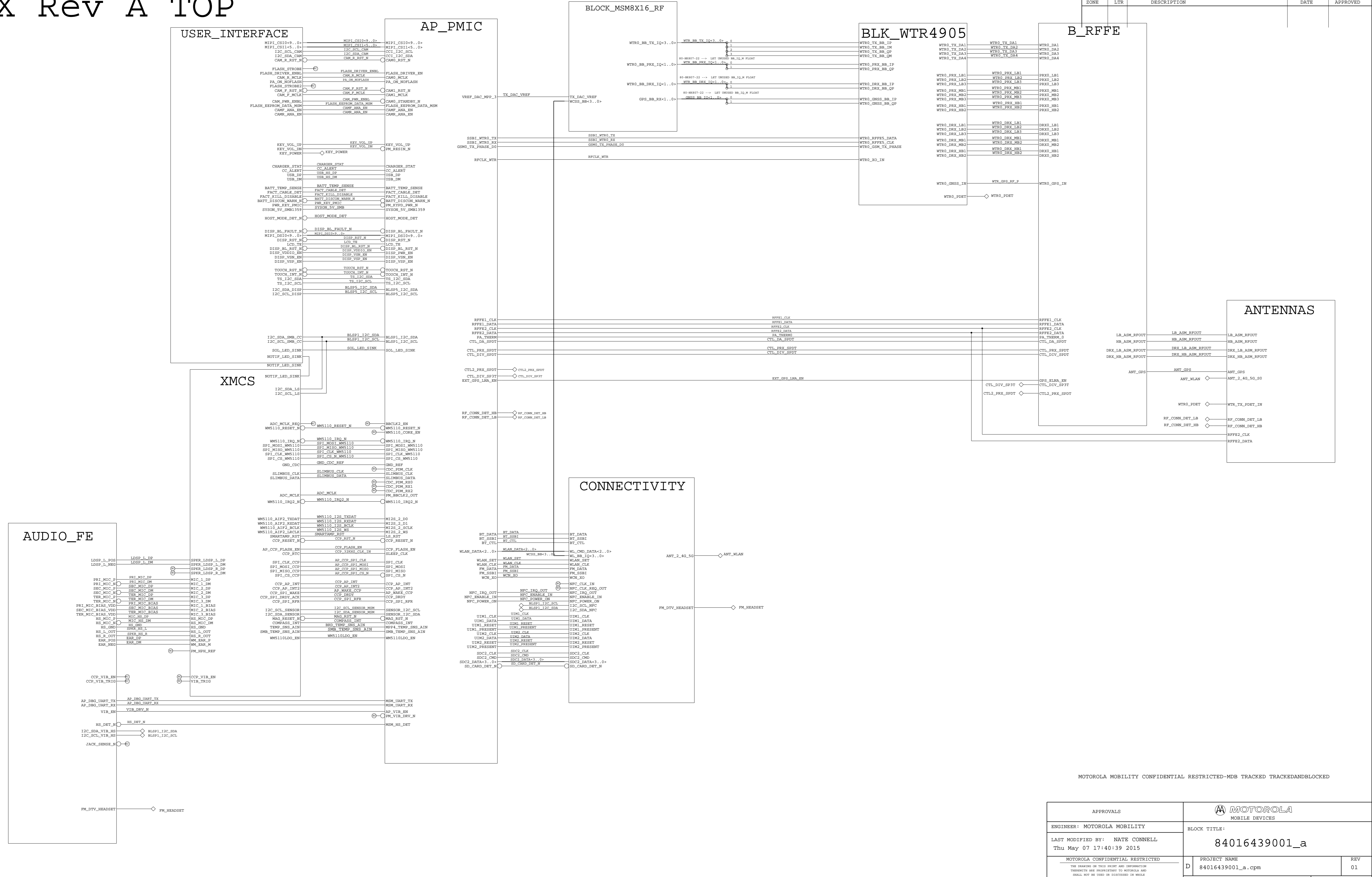
C

B

B

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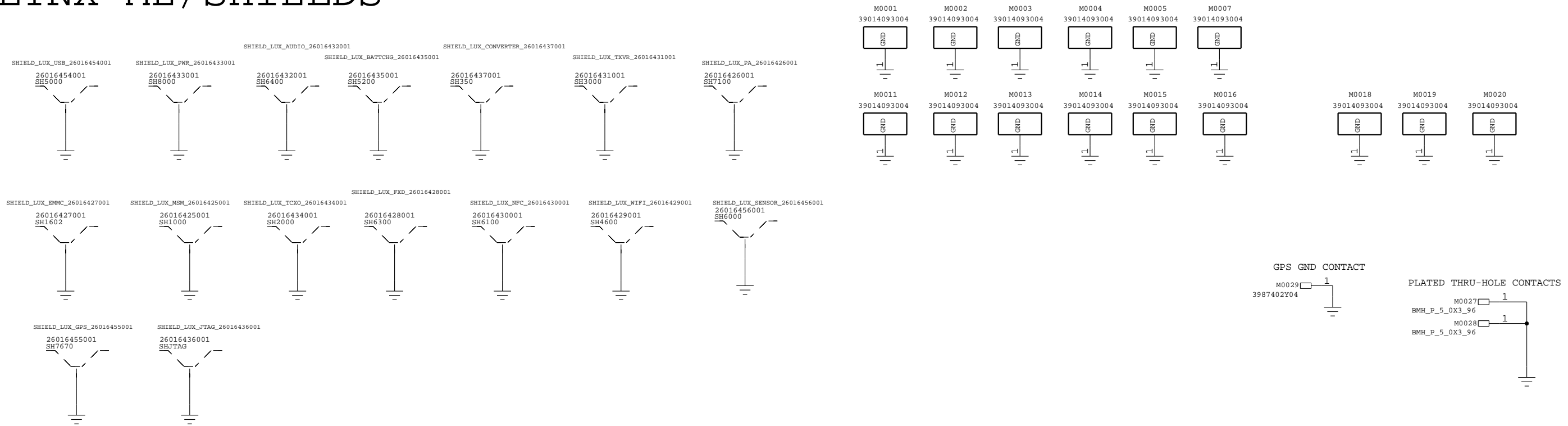
A



MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA MOBILITY		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Thu May 07 17:40:39 2015		84016439001_a	
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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CAD FILE NAME:		PAGE 1 OF 51	

LYNX ME / SHIELDS



LYNX REFERENCE DESIGNATOR RANGES BY BLOCK

- 000 - 499: ANTENNA
- 500 - 599: USER INPUT
- 600 - 799: POWER
- 1000-2999:
- 1600-1699: MEMORY
- 2000-2999: PM8916
- 3000-3199: WTR4905
- 4000-4499: CONNECTIVITY
- 4500-4999: AUDIO FE
- 5300-5399: DISPLAY
- 5500-5999: CAMERA
- 6000-6999: XMCS
- 7000-7799, 8000-8020: RFFE
- 7800-7899: WTR2605-DSDA
- 9000-9999: PRODUCT-SPECIFIC (FILTERING, 100PF CAPS)

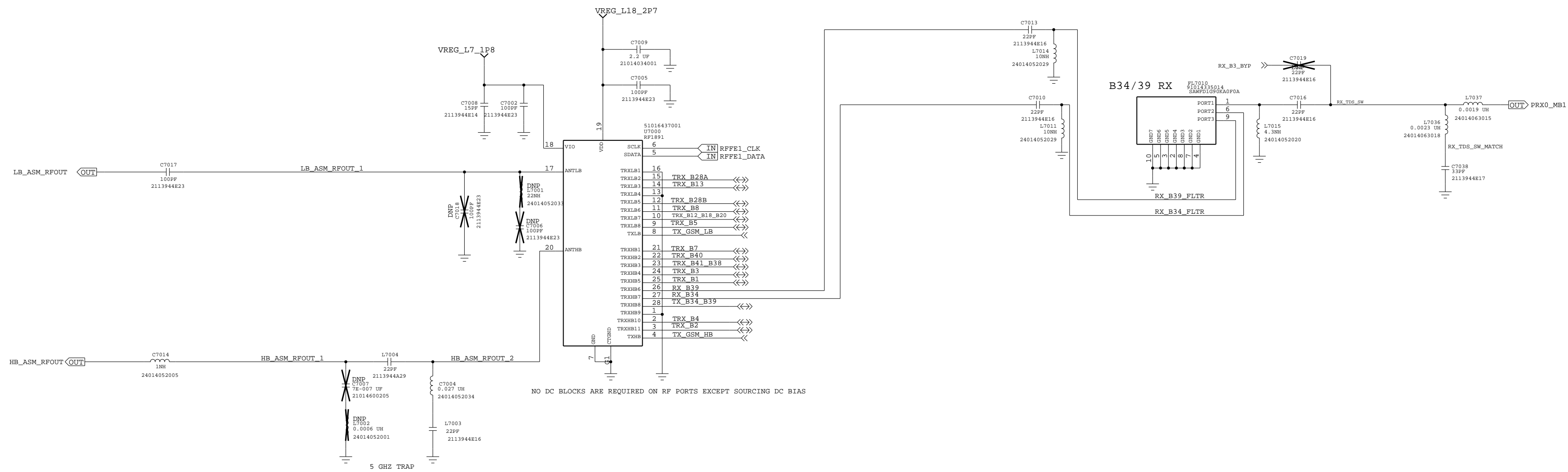
MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER:		BLOCK TITLE:	
LAST MODIFIED BY: Mon Apr 27 11:29:34 2015		84016439001_a	
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		B 84016439001_a.cpm	01
		PAGE 2 OF 51	

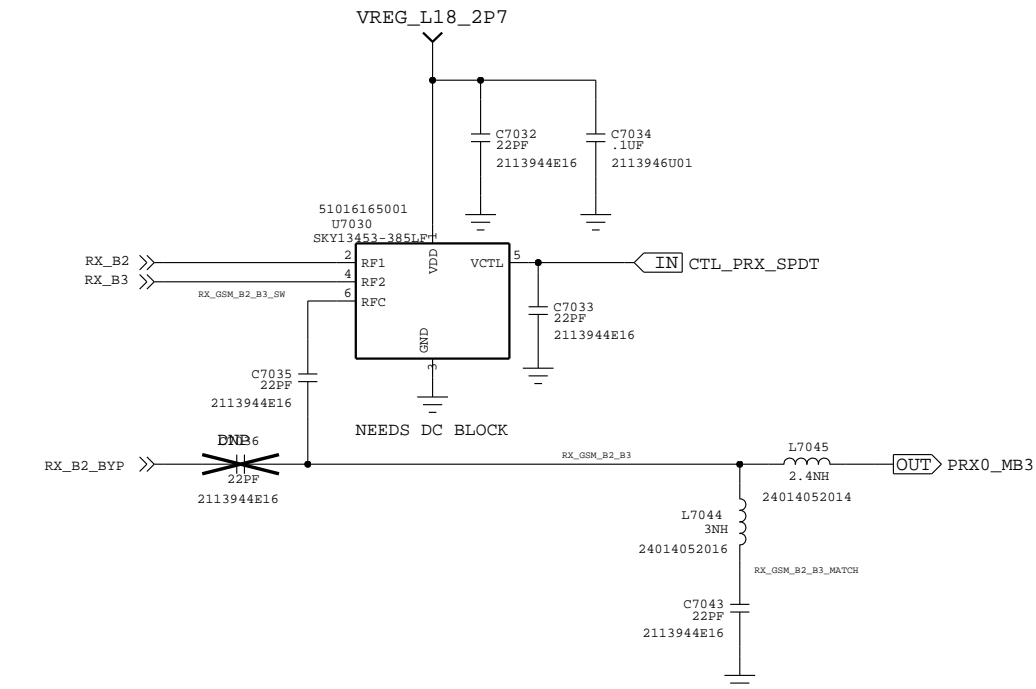
RFFE: TRX SWITCH

REF 7000-7099

REVISIONS				
REV	ECN	DESCRIPTION	MADE BY	APPROVED



B2/B3 PRX SWITCH



SKY13453-385LF Truth Table

VCTL (Pin 5)	Insertion Loss Path
H	RFC to RF1
L	RFC to RF2

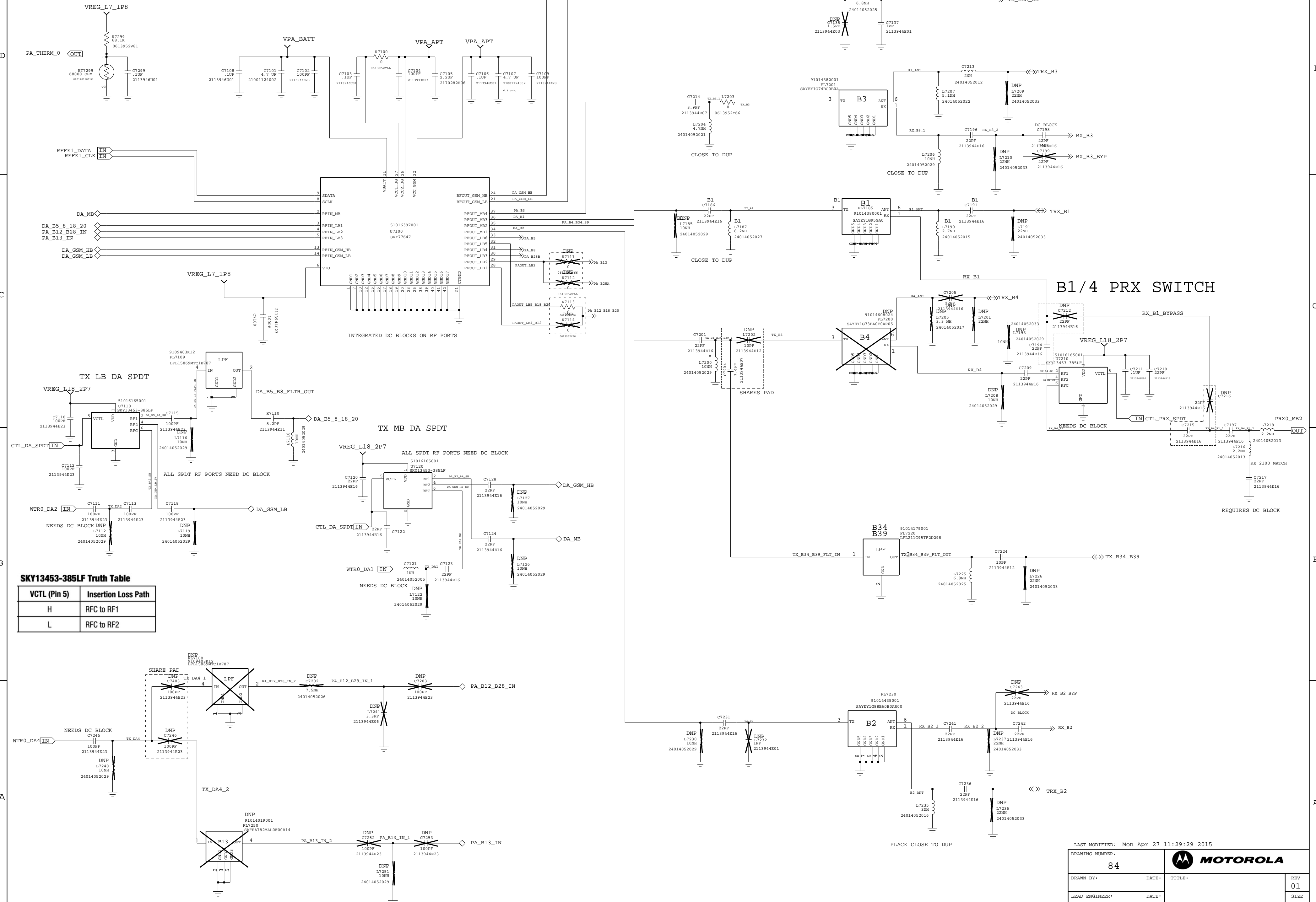
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DRAWING NUMBER: 84				REV 01
DRAWN BY:	DATE:			TITLE:
LEAD ENGINEER:	DATE:	PCB FILE NAME:		PAGE 3 OF 51

RFFE:MMMBPA

REF 7100-7299

REVISIONS				
REV	ECN	DESCRIPTION	MADE BY	APPROVED



B1/4 PRX SWITCH

LAST MODIFIED: Mon Apr 27 11:29:29 2015

DRAWING NUMBER: 84			
DRAWN BY:	DATE:	TITLE:	REV 01
LEAD ENGINEER:	DATE:	PCB FILE NAME:	SIZE C
ASSY NUMBER:	PCB FILE NAME:	PAGE 4 OF 51	

MOTOROLA CONFIDENTIAL RESTRICTED

RFFE: HBPA

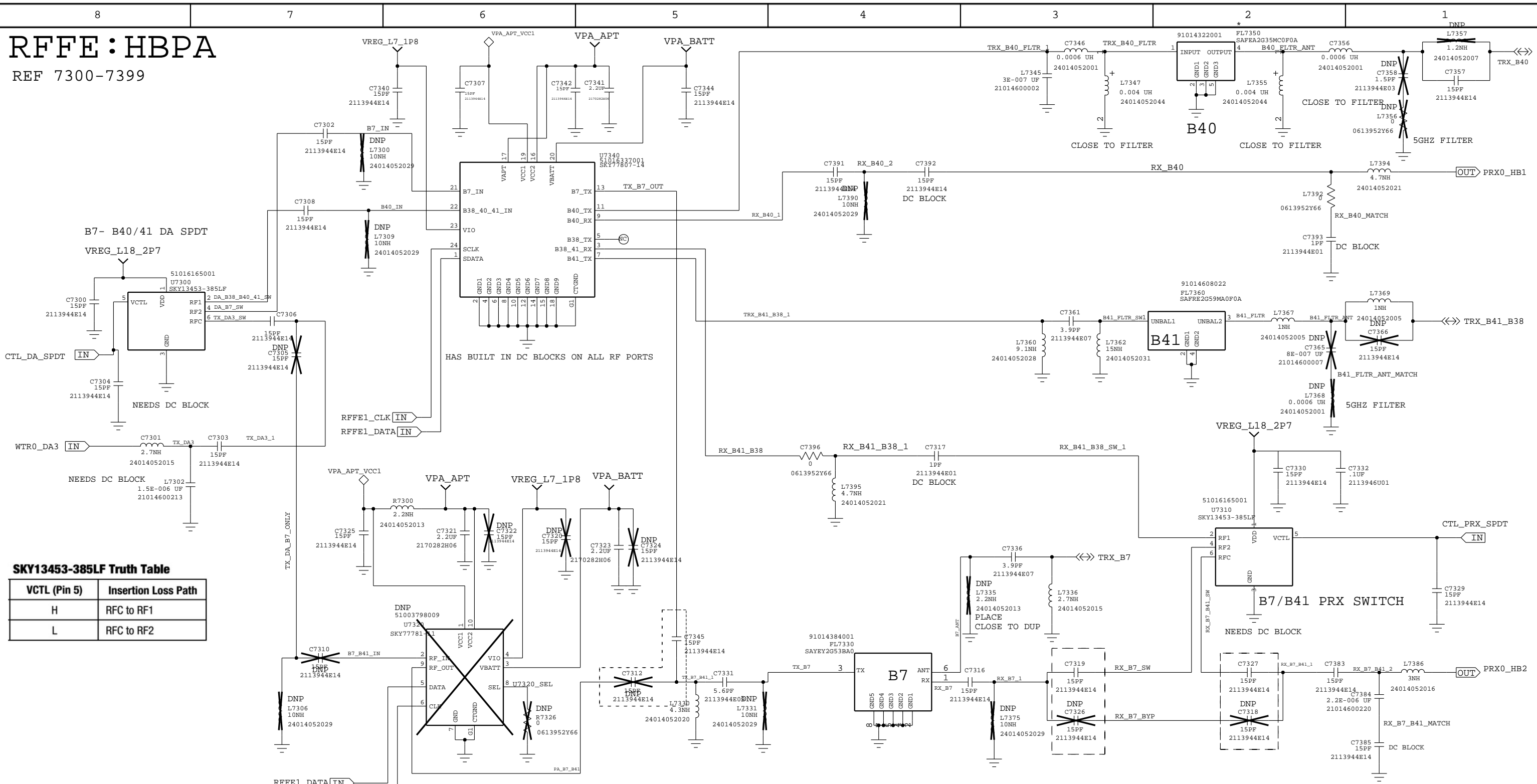
REF 7300-7399

D

C

B

A



SKY13453-385LF Truth Table

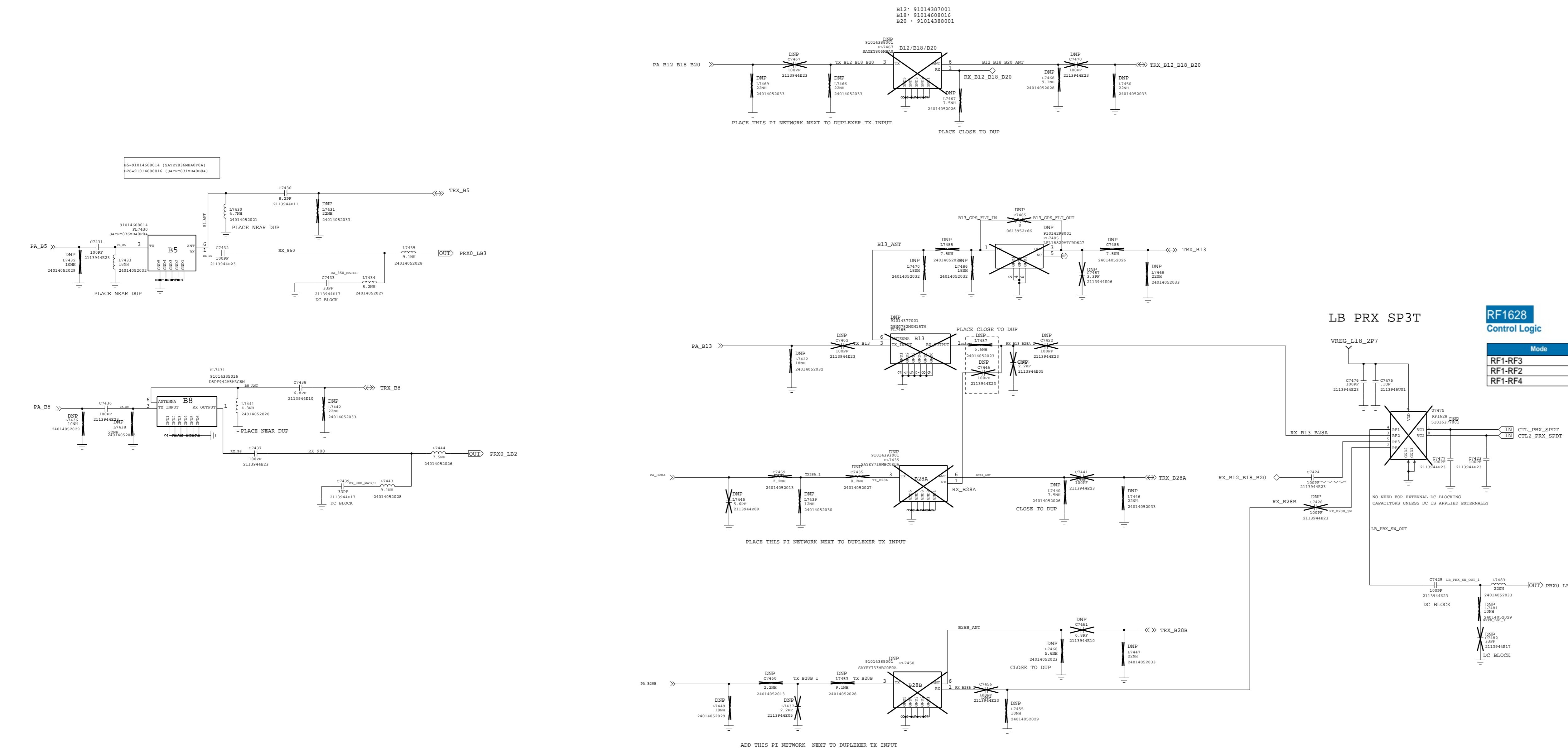
VCTL (Pin 5)	Insertion Loss Path
H	RFC to RF1
L	RFC to RF2

APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI		block_rffe	
Wed Apr 29 15:22:07 2015			
MOTOROLA CONFIDENTIAL RESTRICTED			
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		REV 01	
		CAD FILE NAME:	
		PAGE 5 OF 51	

RFFE : LB DUPLEXERS

REF 7400-7499

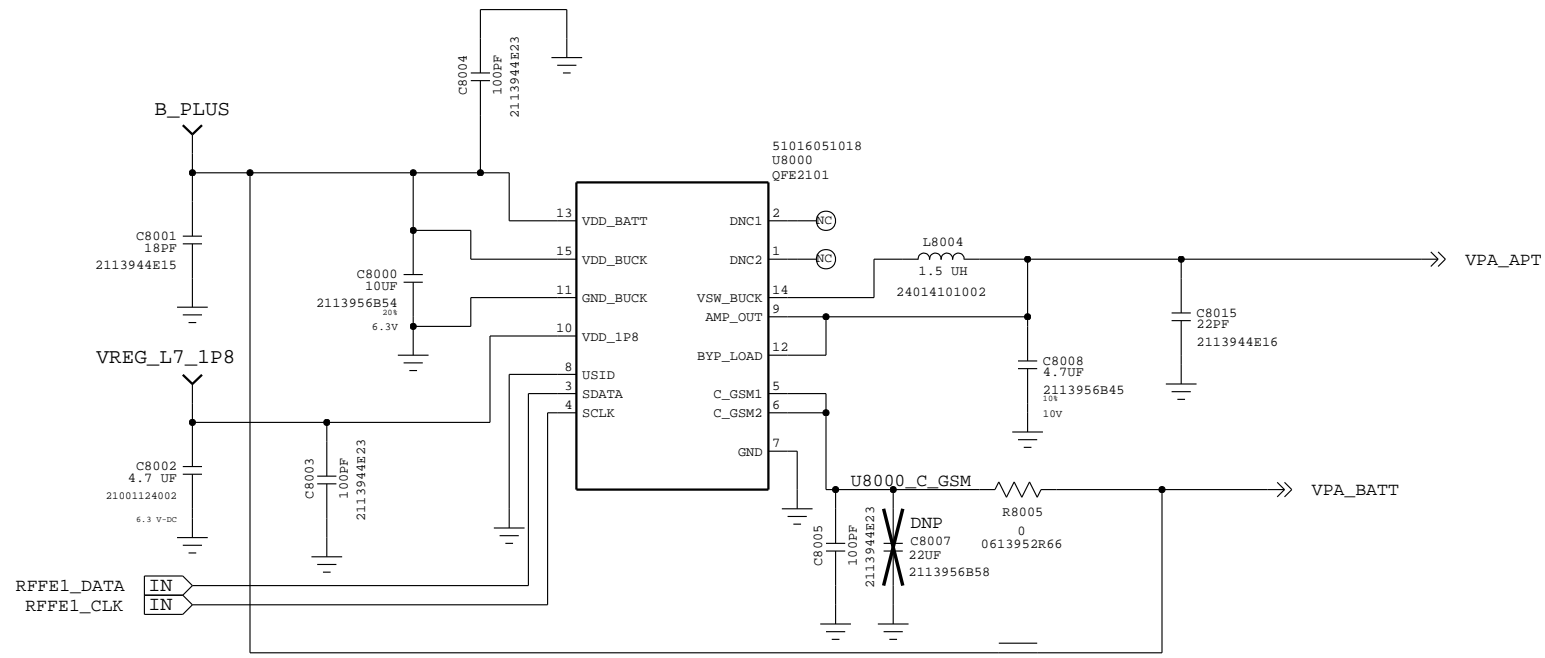
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



Mode	Vc1	Vc2
RF1-RF3	0	1
RF1-RF2	1	0
RF1-RF4	1	1

APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MMI	BLOCK TITLE: block_rffe		
LAST MODIFIED BY: MMI Mon Apr 27 11:29:30 2015	PROJECT NAME 84016439001_a.cpm		
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RFFE:QFE2101
REF 8000-8020



BRING VIAS TO TOP LAYER FOR RFFE1_DATA AND RFFE1_CLK

BYPASS OPTION FOR VPA_VBATT
DNP APPROPRIATELY

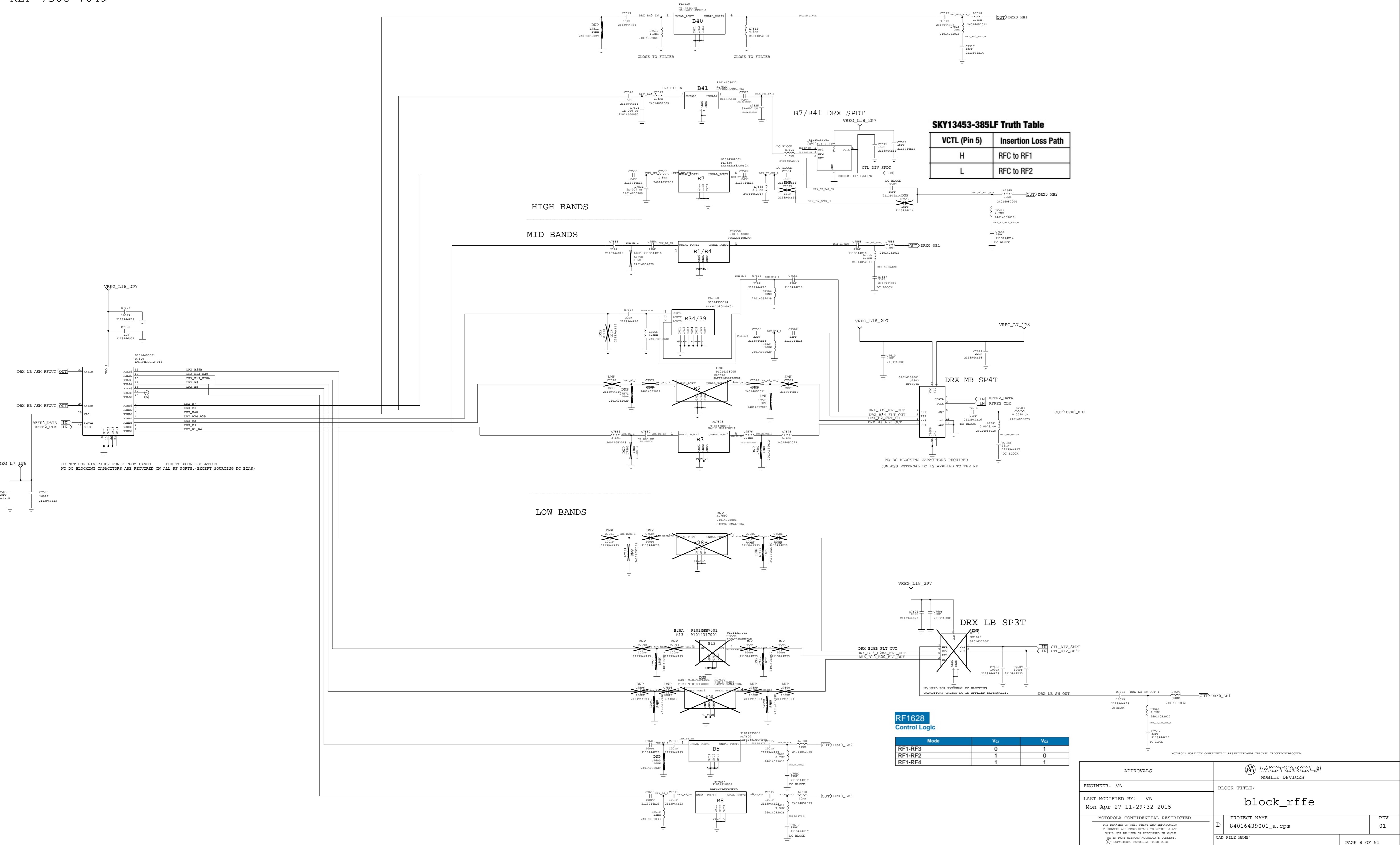
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		CAD FILE NAME:	
		PAGE 7 OF 51	

RFFE : DIVERSITY

REF 7500-7649

LOSSY DIVIDER
DSDA

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



SKY13453-385LF Truth Table

VCTL (Pin 5)	Insertion Loss Path
H	RFC to RF1
L	RFC to RF2

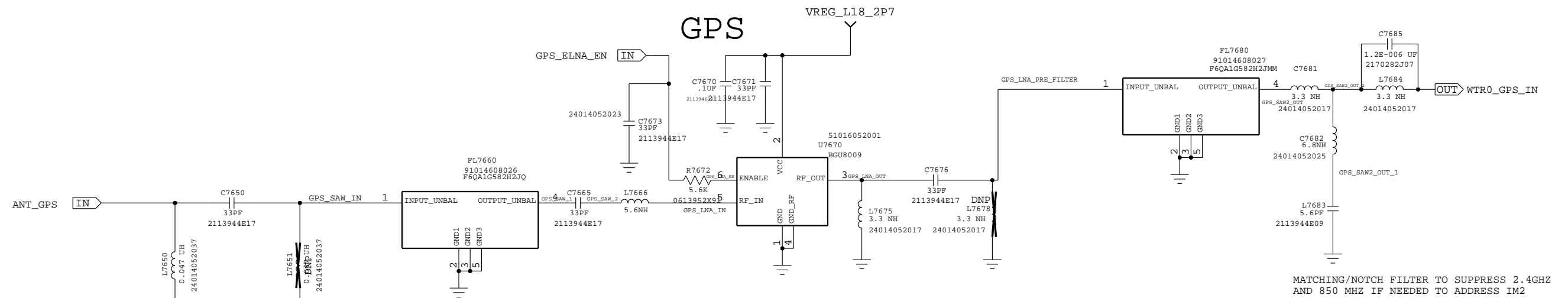
RF1628 Control Logic

Mode	V _{ctl}	V _{cc}
RF1-RF2	0	1
RF1-RF3	1	0
RF1-RF4	1	1

APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: VN		BLOCK TITLE:	block_rffe
LAST MODIFIED BY: VN		PROJECT NAME:	84016439001_a.cpm
Mon Apr 27 11:29:32 2015		REV:	01
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RFFE: GPS

REF 7650-7699



MATCHING/NOTCH FILTER TO SUPPRESS 2.4GHZ AND 850 MHZ IF NEEDED TO ADDRESS IM2

APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI Med Apr 27 09:29:58 2013		block_rfpe	
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		CAD FILE NAME:	PAGE 9 OF 51

ANT: PORTS

REFDES: 000 - 499

SUPPLIES

VREG_L5_1P8 >====>> ANT_1P8

VREG_L5_1P8 >====>> TUNER_VIO

B_PLUS >====>> TUNER_AVDD

TX LOW BAND ANTENNA

LB_ASM_RFOUT [IN] >====>> LB_CPLR_IN

RF_CONN_DET_LB <OUT <====<< RFCONN_DET_LB

TX HIGH BAND ANTENNA

HB_ASM_RFOUT [IN] >====>> HB_CPLR_IN

RF_CONN_DET_HB <OUT <====<< RFCONN_DET_HB

DRX LOW BAND ANTENNA

DRX_LB_ASM_RFOUT <OUT <====<< ANT_DRX_LB

DRX HIGH BAND ANTENNA

DRX_HB_ASM_RFOUT <OUT <====<< ANT_DRX_HB

GPS ANTENNA

ANT_GPS <OUT <====<< GPS_ANT

BT/WLAN ANTENNA

ANT_2_4G_5G_S0 <IO <====<<>> 2_4G_5G_ANT_1

INTERFACES

RFFE2_CLK [IN] >====>> CLK_TUNER

RFFE2_DATA [IN] >====>> DATA_TUNER

APPROVALS

ENGINEER: NATE CONNELL

LAST MODIFIED BY: NATE CONNELL
Mon Apr 27 11:29:26 2015

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BLOCK TITLE:

antennas

PROJECT NAME
B 84016439001_a.cpm

REV
01

CAD FILE NAME:

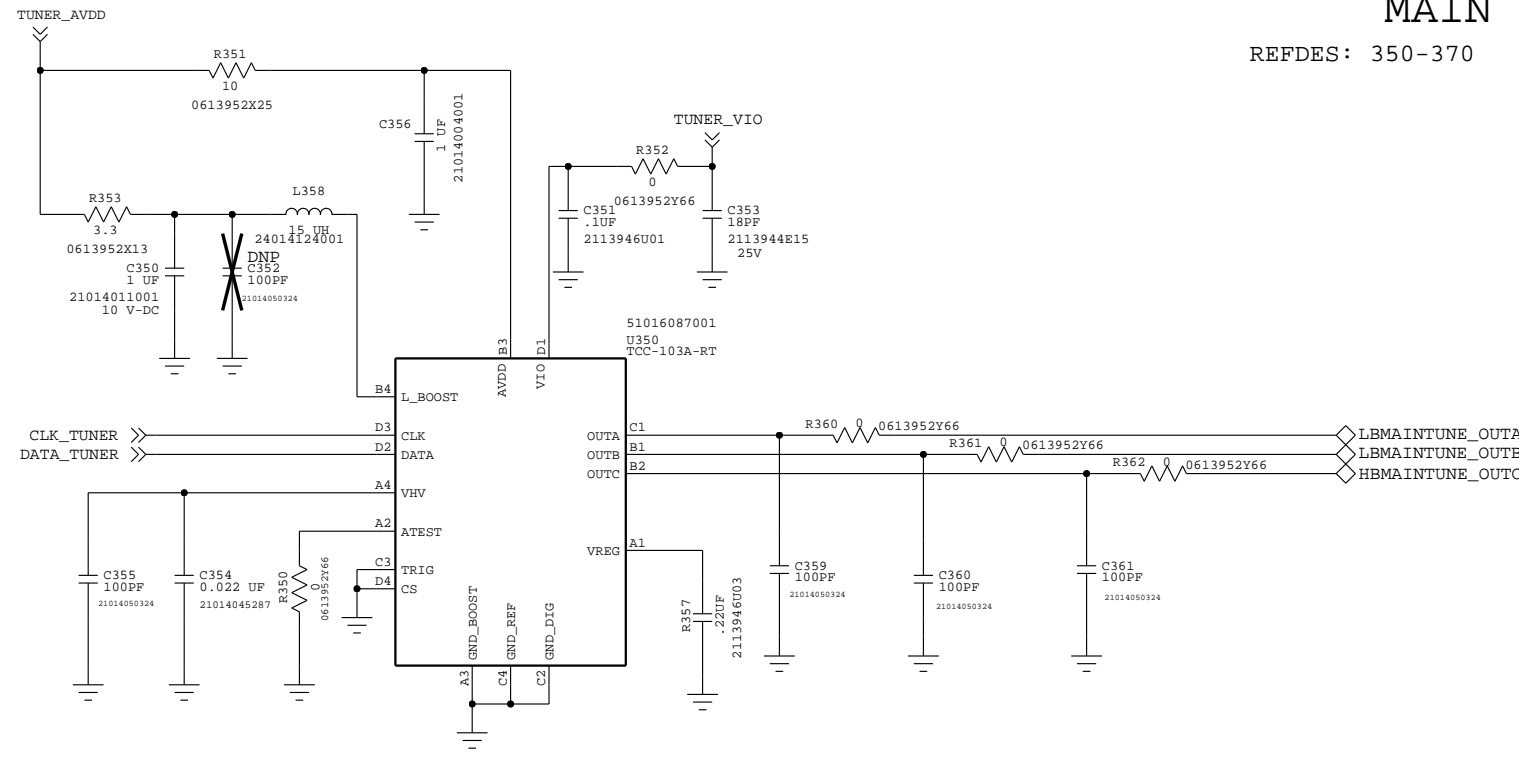
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ANT: TUNERS

REF: 350-399

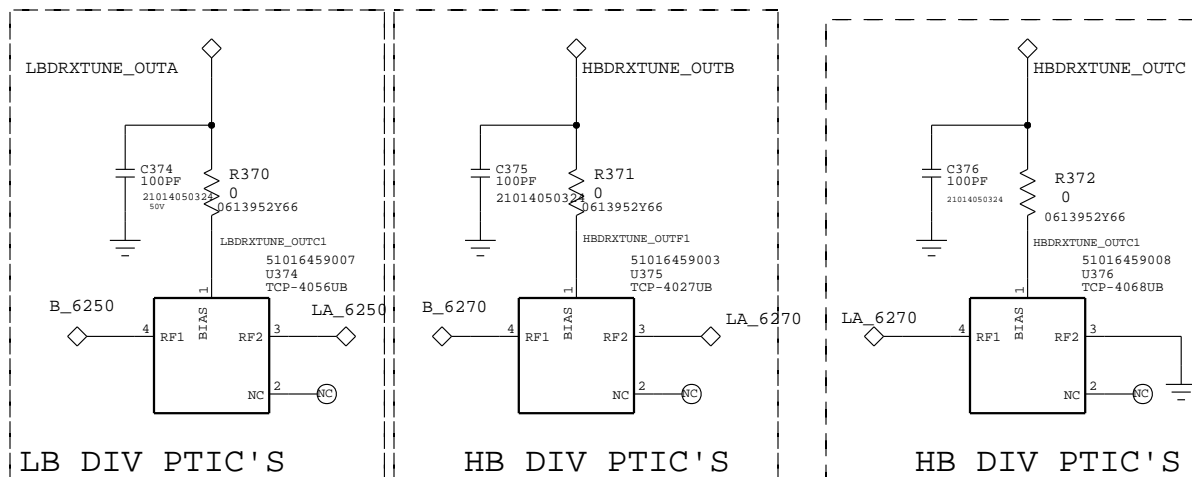
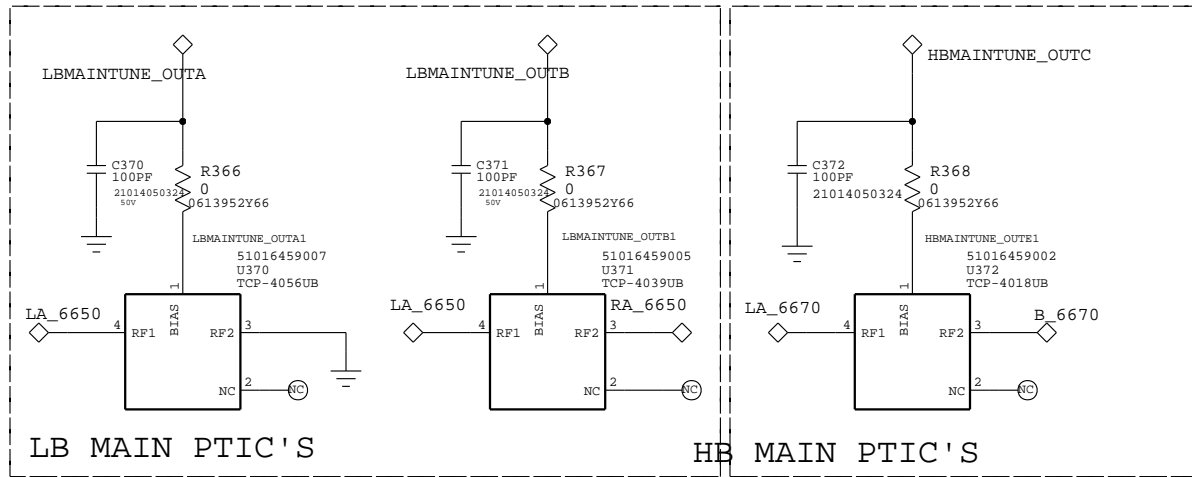
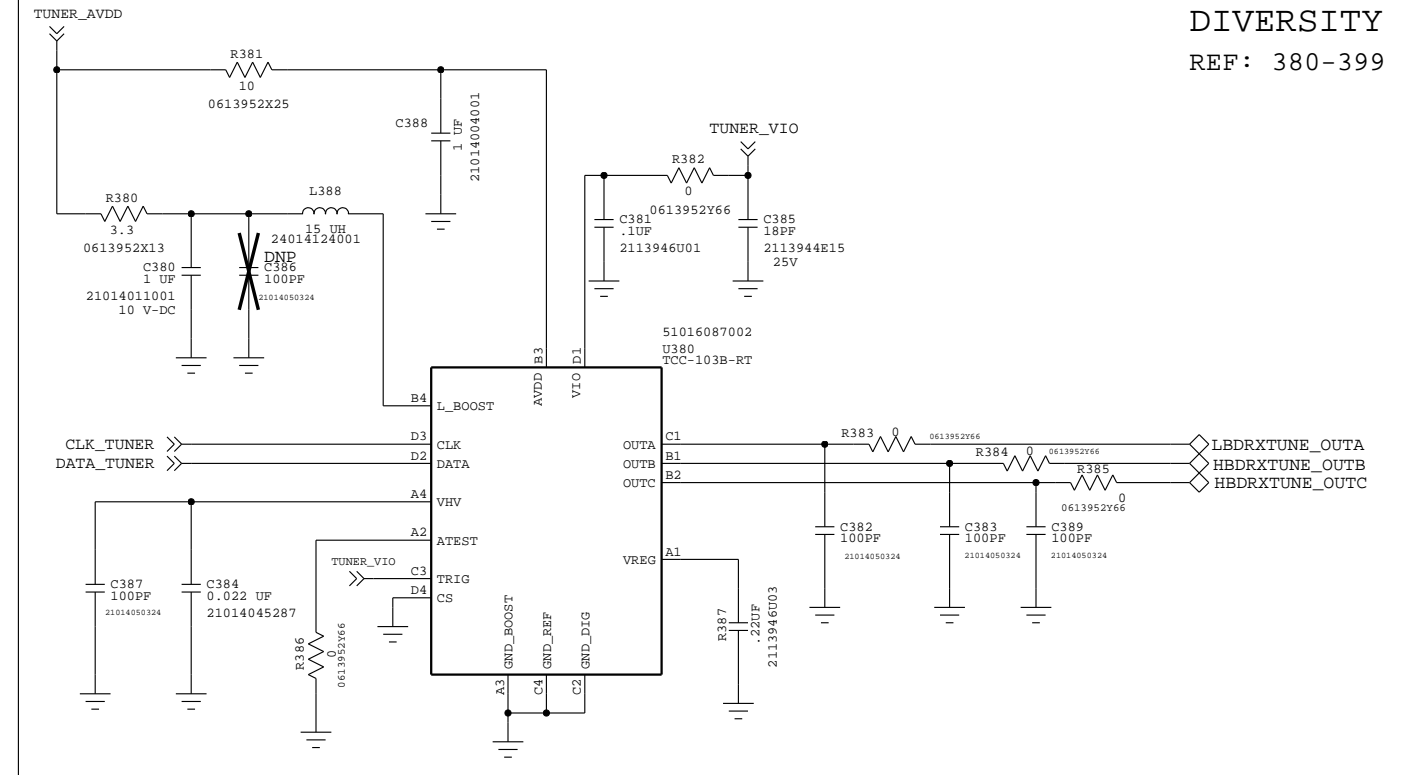
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REFDES: 350-370



DIVERSITY

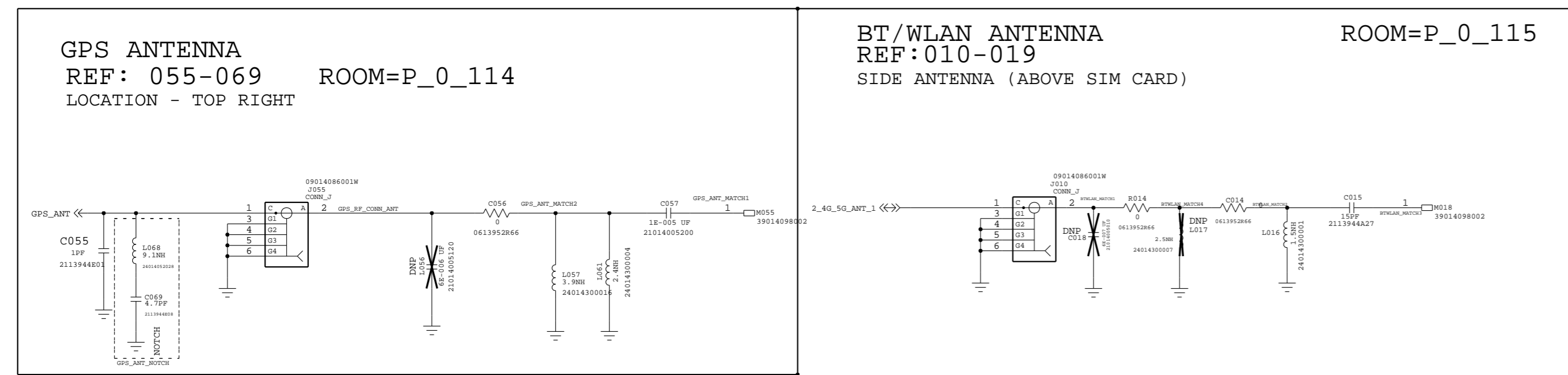
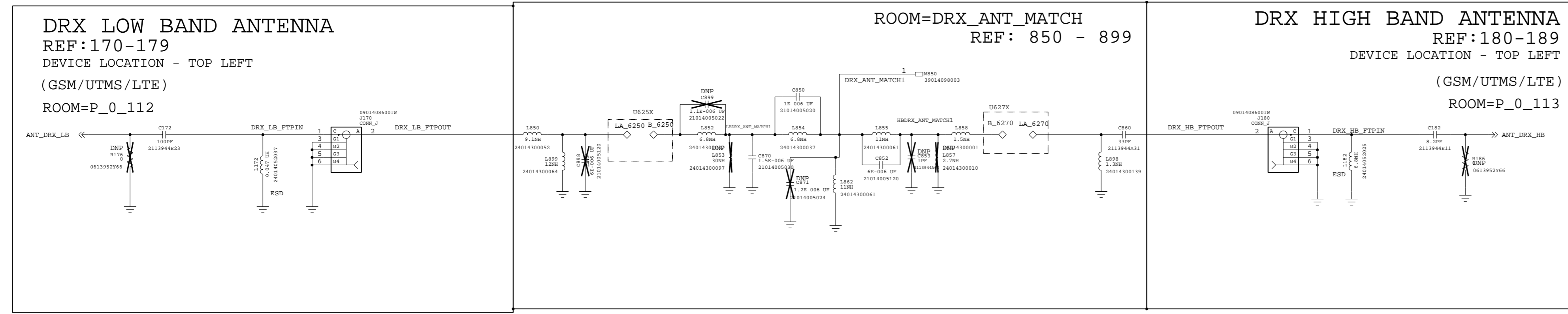
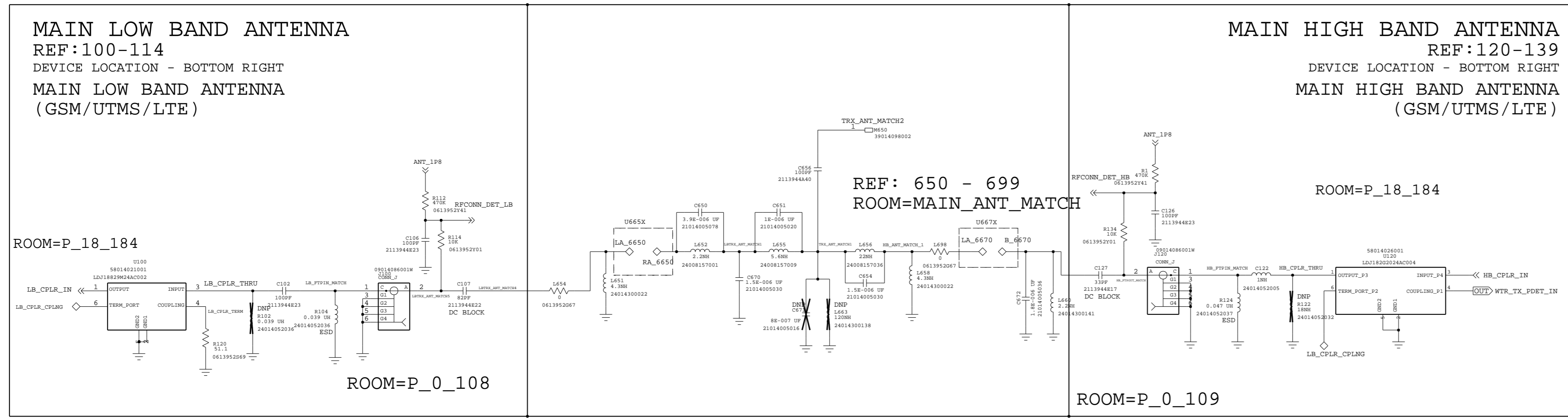
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LAST MODIFIED BY: MOTOROLA Mon Apr 27 11:29:27 2015		antennas	
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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		CAD FILE NAME:	
		PAGE 11 OF 51	

ANT: ANTENNAS

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



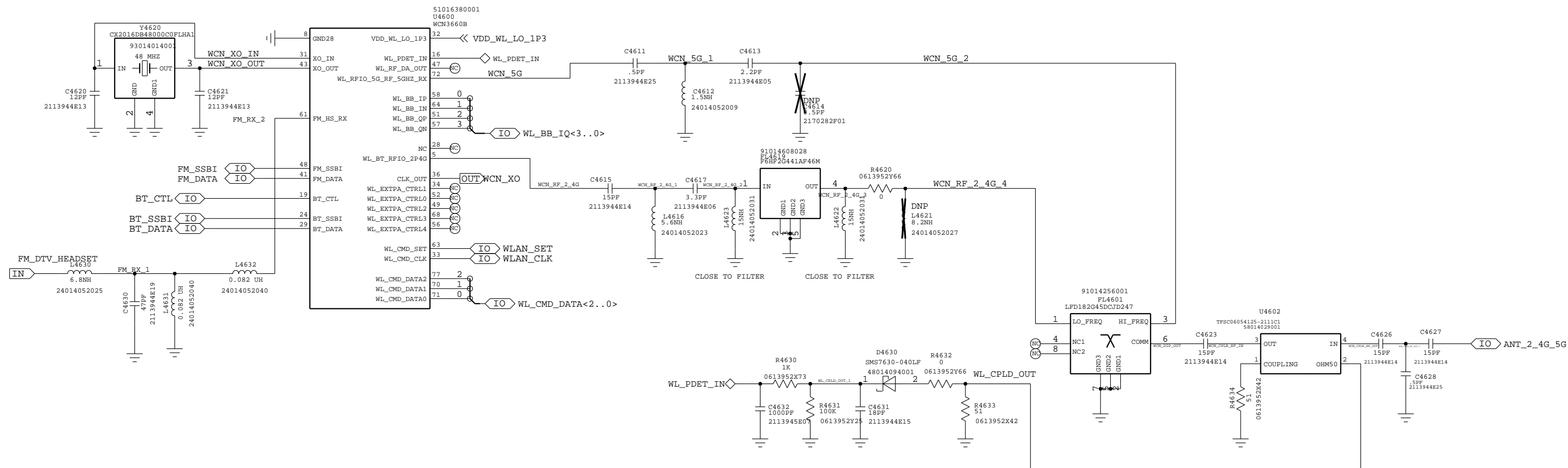
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APPROVALS		 MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Tue Jun 02 15:03:15 2015		antennas	
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CAD FILE NAME:		PAGE 12 OF 51	

WCN3660B RF/CTRL

REF 4600-4699

NEED TO CHECK PIN47 CONNECTION



BASED ON 80-WL006-44 REV C

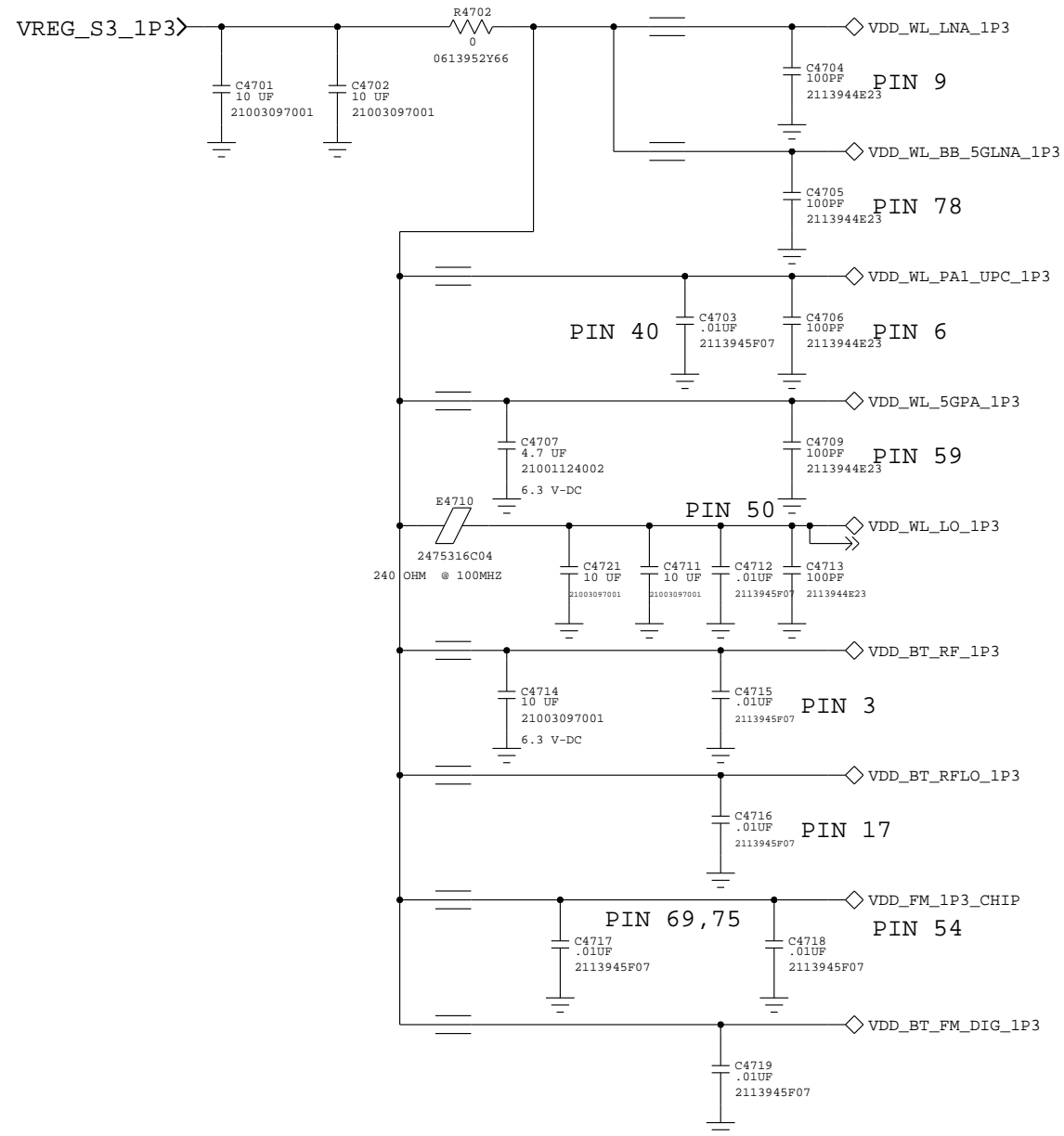
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ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FROEHLING Mon Apr 27 11:29:21 2015		connectivity	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME B 84016439001_a.cpm	REV 01
CAD FILE NAME :		PAGE 13 OF 51	

WCN3660B POWER

REF 4700-4799

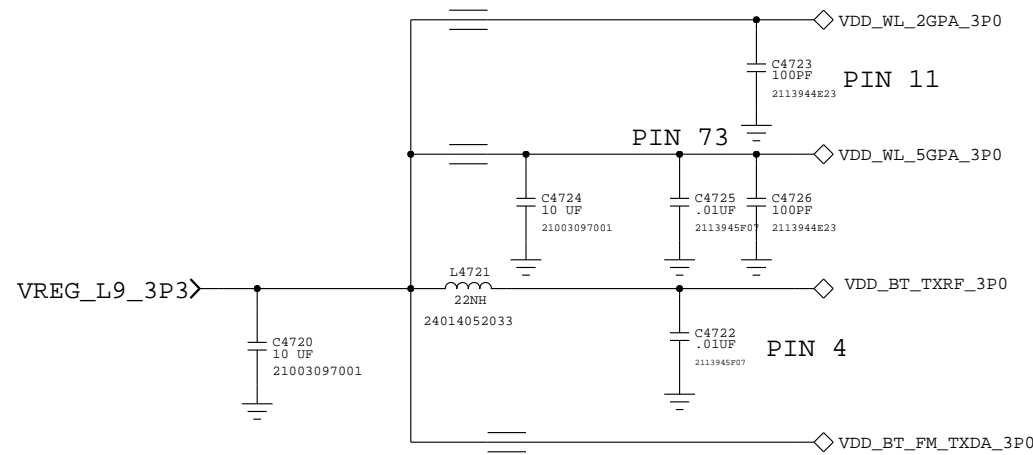
NEED TO SCRUB ALL SUPPLY SEQUENCE/VOLTAGE/CURRENT NUMBERS FOR WCN3660B

BT_FM_WLAN_1P3

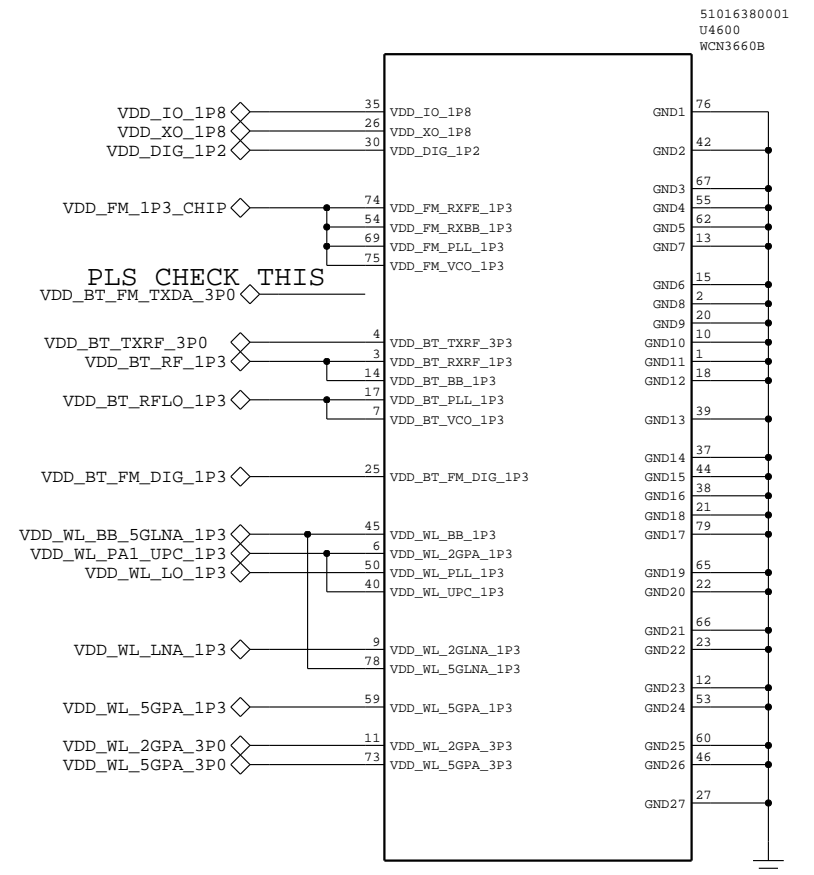
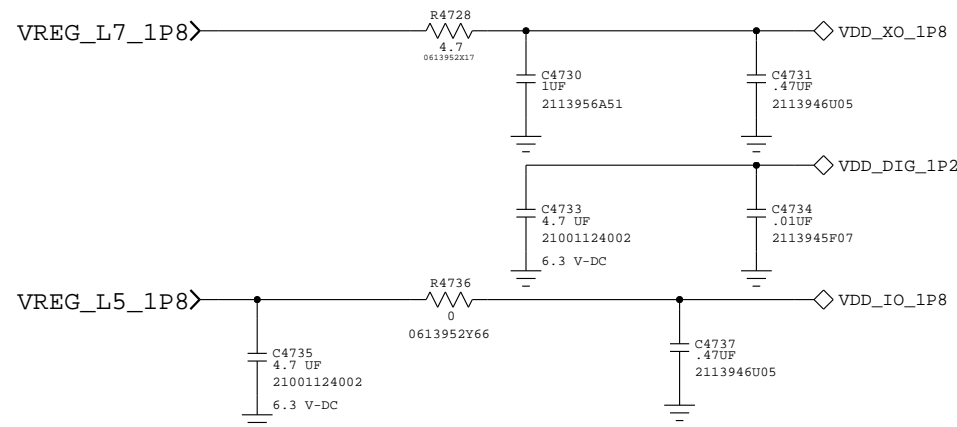


NOTE: RESERVE C4717 AND C4718 FOR 0.01UF BYPASSES

WLBT_3.0V



1.8V/2.2V



BASED ON 80-WL006-44 REV C

APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FROEHLING Mon Apr 27 11:29:22 2015		connectivity	
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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		CAD FILE NAME :	PAGE 14 OF 51

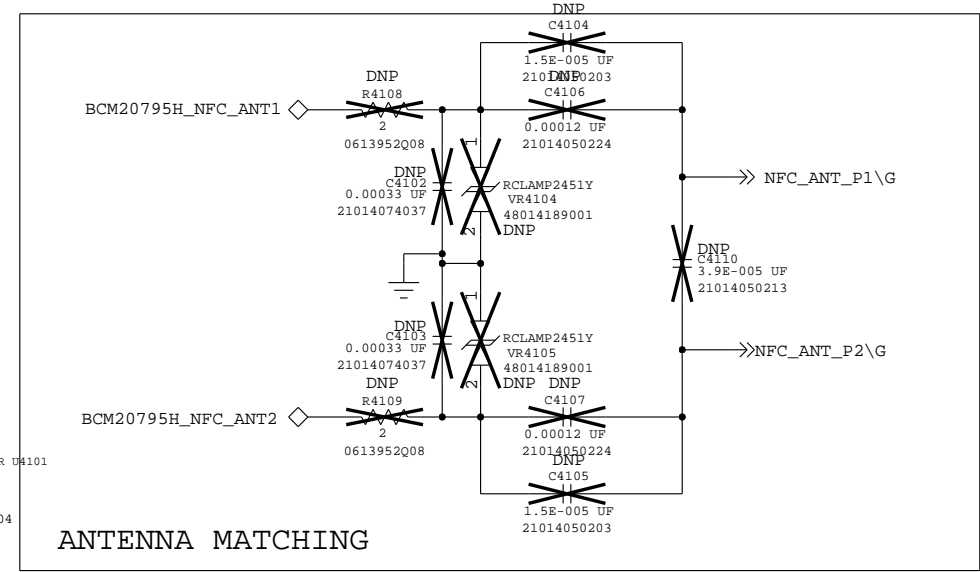
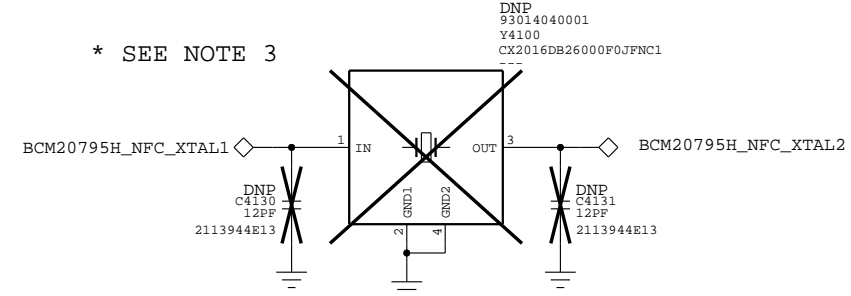
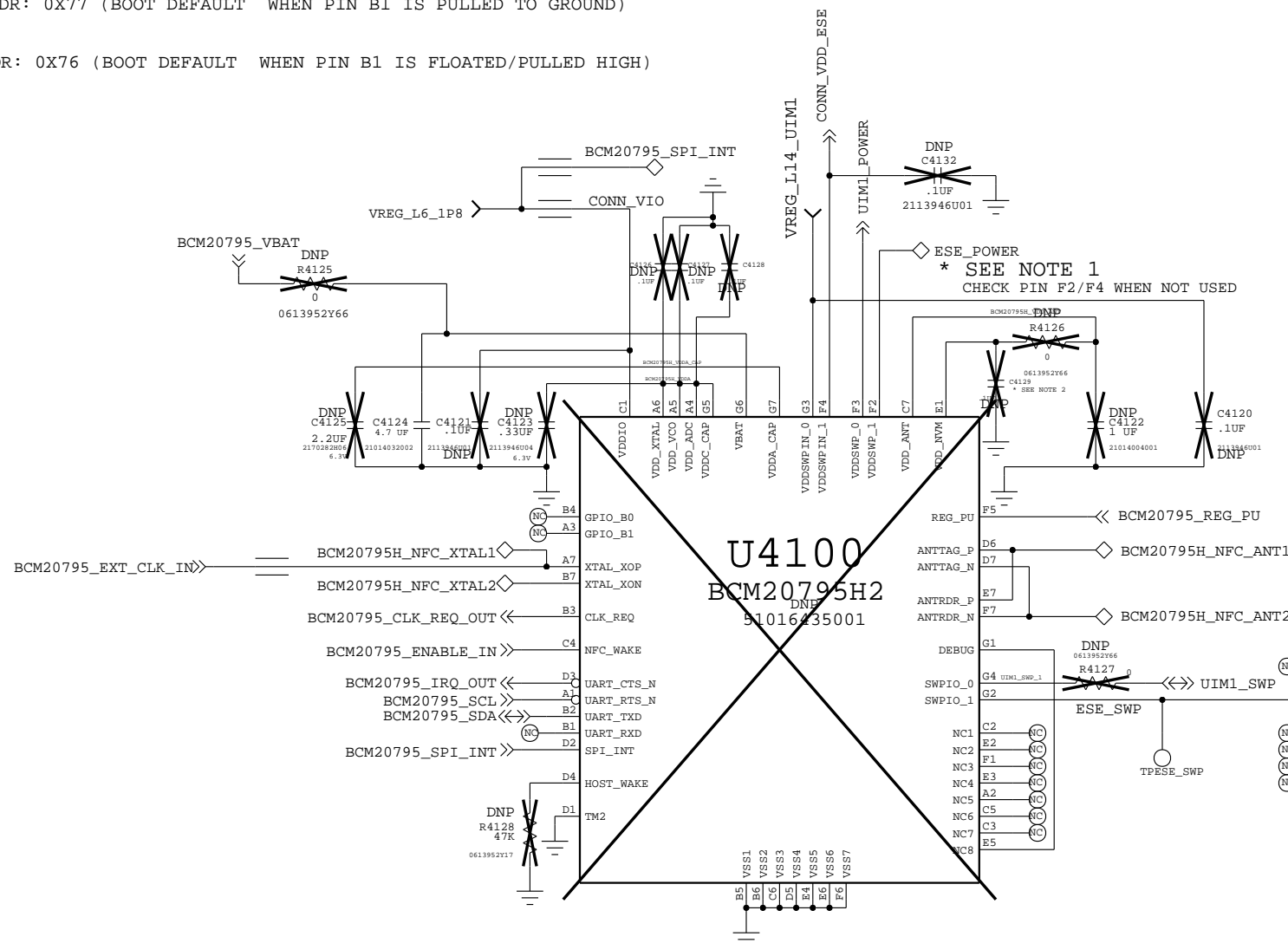
BCM20795 NFC

REF: 4100-4199

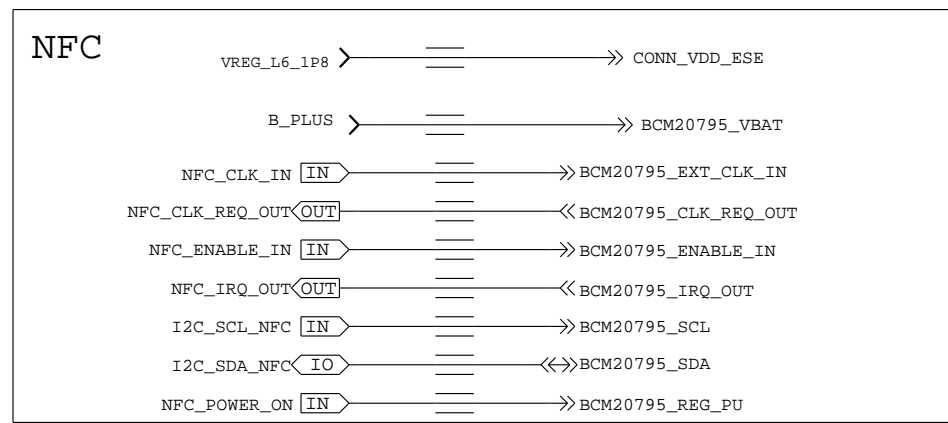
I2C ADDR: 0X77 (BOOT DEFAULT WHEN PIN B1 IS PULLED TO GROUND)

OR

I2C ADDR: 0X76 (BOOT DEFAULT WHEN PIN B1 IS FLOATED/PULLED HIGH)



- NOTES:
- PER BROADCOM RECOMMENDATION, CAPACITANCE ON UIM1_POWER NET SHOULD BE 0.33UF. TOO LITTLE COMPROMISES REGULATOR STABILITY, TOO MUCH CAN CAUSE INADVERTENT POWER-ON RESETS AT VDD.
 - PLACE U4101 AND C4100 ONLY ON CHINA SKU
 - FOR SMALL NFC ANTENNAS, EXTERNAL CRYSTAL OSCILLATOR CIRCUIT MUST BE USED - SEE EE8994CORE-296 FOR DETAILS. IF USE OF EXTERNAL CLOCK IS DESIRED, CHECK WITH BROADCOM BEFORE COMMITTING.



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: ?FROEHLING		BLOCK TITLE:	
LAST MODIFIED BY: FROEHLING Mon Apr 27 11:29:22 2015		connectivity	
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		B 84016439001_a.cpm	01
CAD FILE NAME:		PAGE 15 OF 51	

UIM/SD CARD

SD CARD REF: 5800-5850

J5800 AND J5802 ARE PLACEHOLDERS

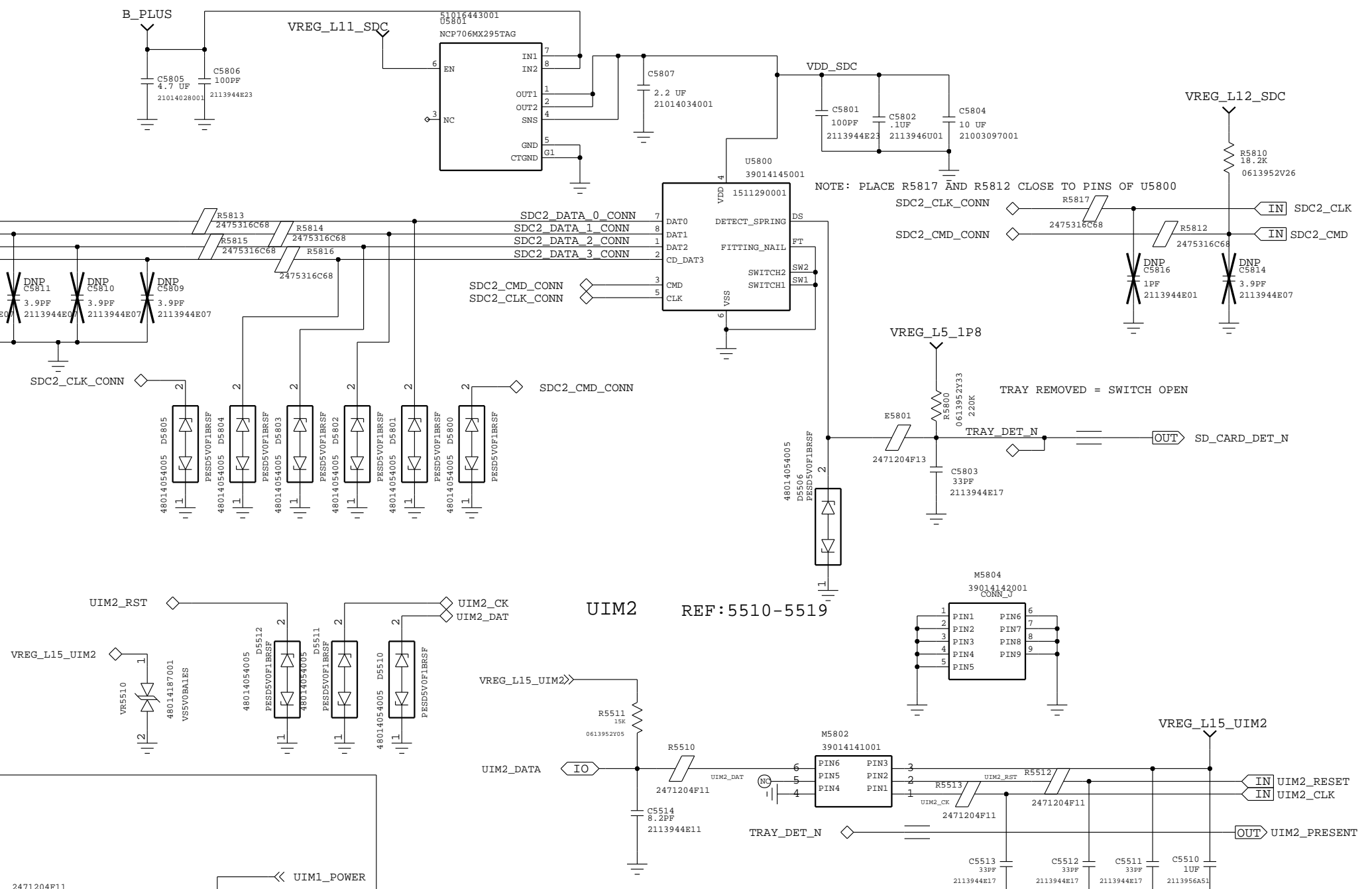
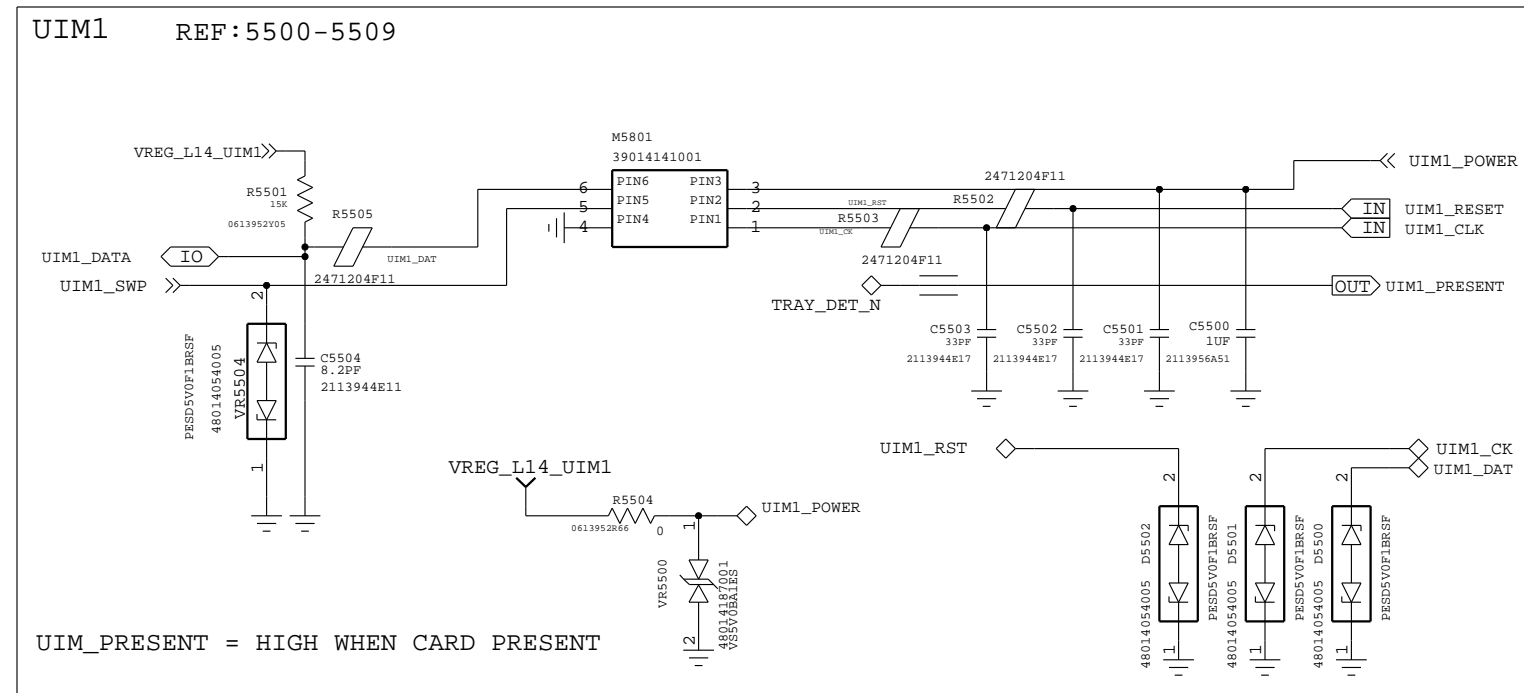
D

C

B

A

TRAY DETECT PIN DEFINITION		
TRAY DETECT PIN (DETECT SWITCH)	TRAY DETECT PIN (DETECT SWITCH)	TRAY DETECT PIN (DETECT SWITCH)
WITHOUT TRAY (NORMAL SHORT)	TRAY EJECTED POSITION	TRAY MATED POSITION

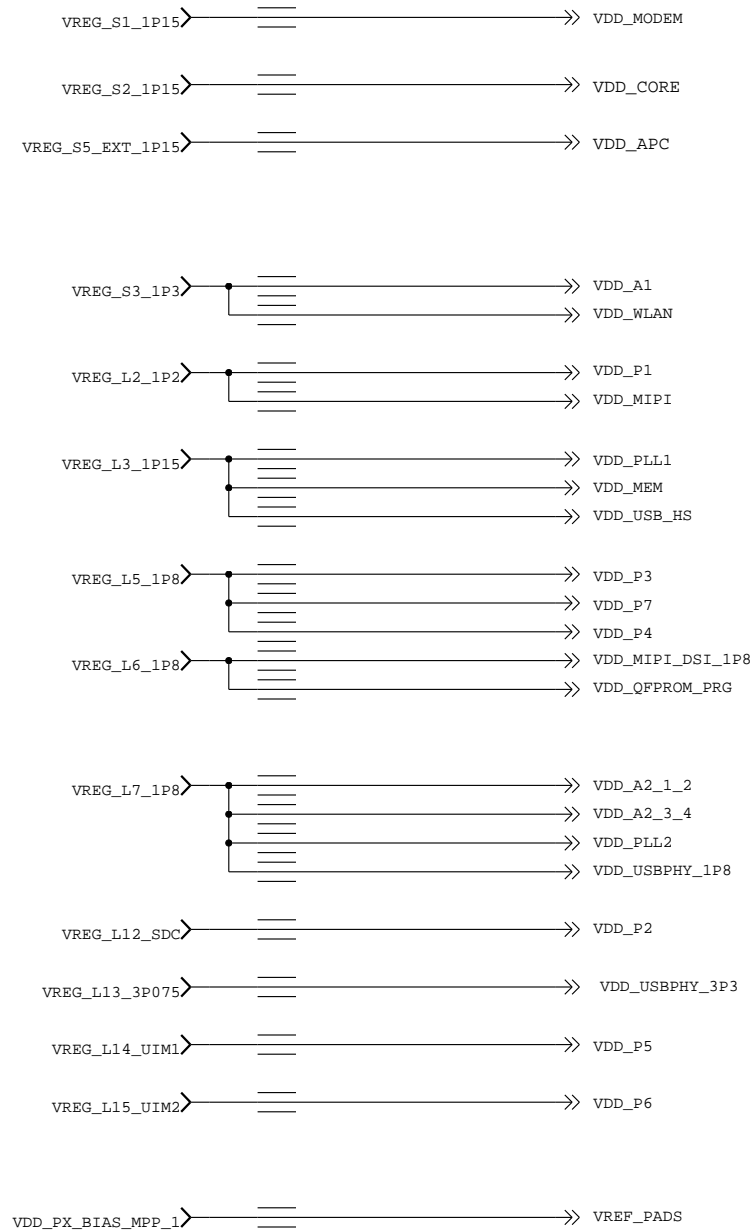



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: FROEHLING		BLOCK TITLE:	
LAST MODIFIED BY: FROEHLING Tue Jun 02 15:20:36 2015		connectivity	
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		B 84016439001_a.cpm	01
CAD FILE NAME:		PAGE 16 OF 51	

MSM: POWER

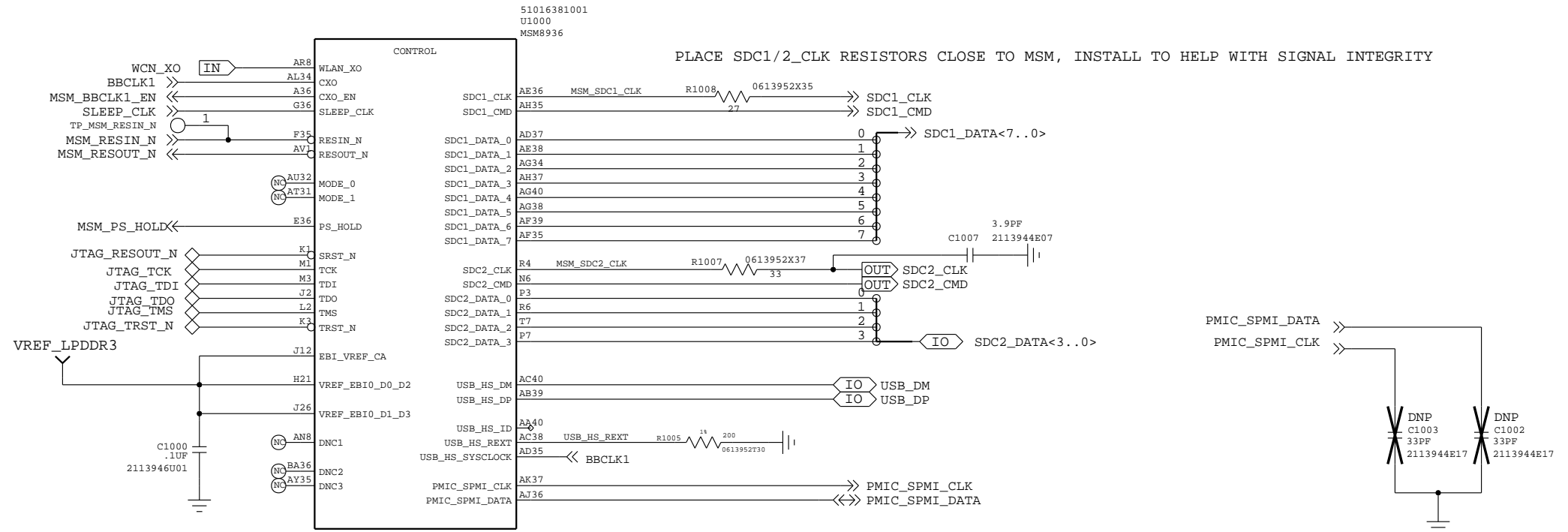
REF: 1000-1999

SUPPLIES



APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: NATE CONNELL		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:06 2015		ap_pmic	
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		CAD FILE NAME:	
		PAGE 17 OF 51	

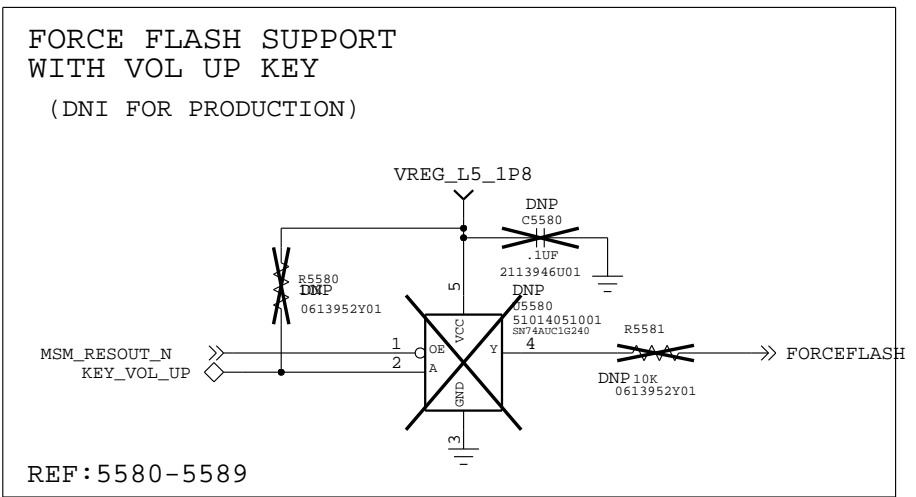
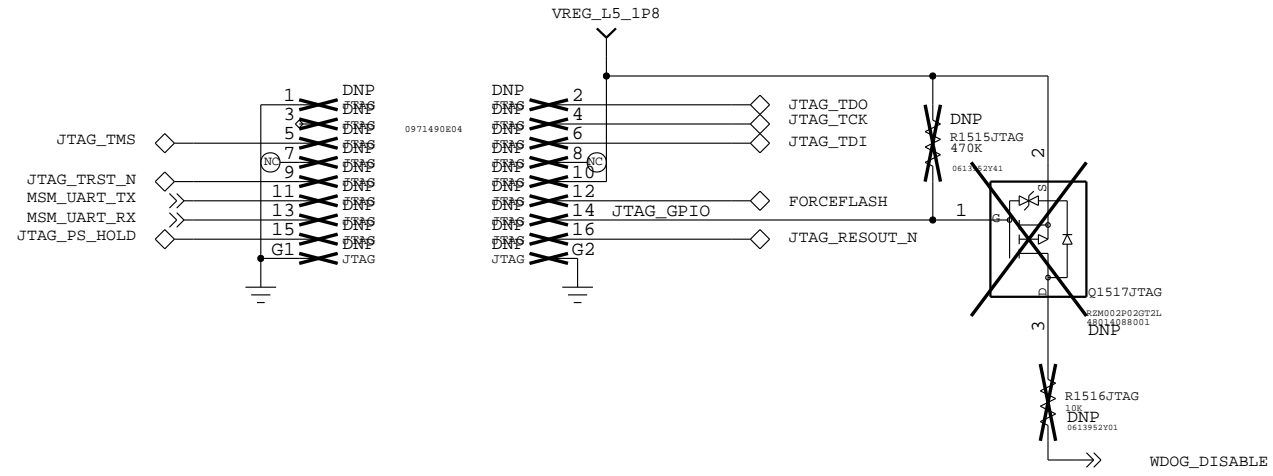
MSM: CTRL
REF 1000-1099



PLACE SDC1/2_CLK RESISTORS CLOSE TO MSM, INSTALL TO HELP WITH SIGNAL INTEGRITY

FOR BBCLK1, AD35 WILL BE THE FIRST LOAD AND AL34 IS THE FINAL LOAD

JTAG:MINI

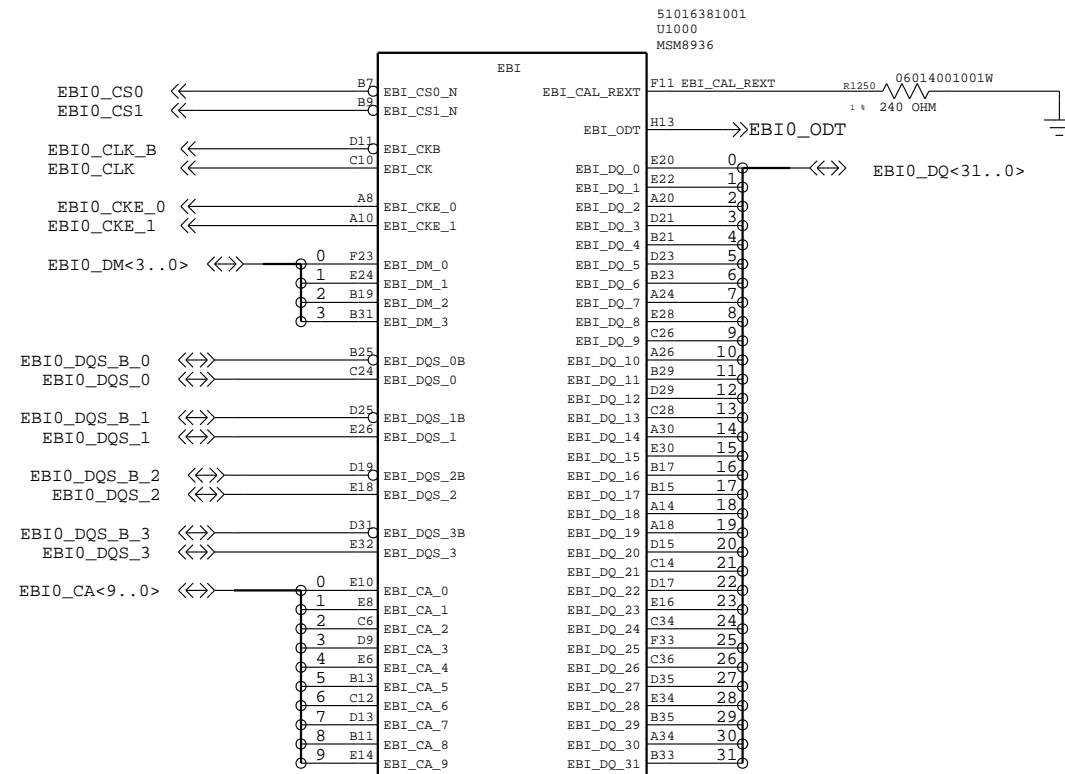
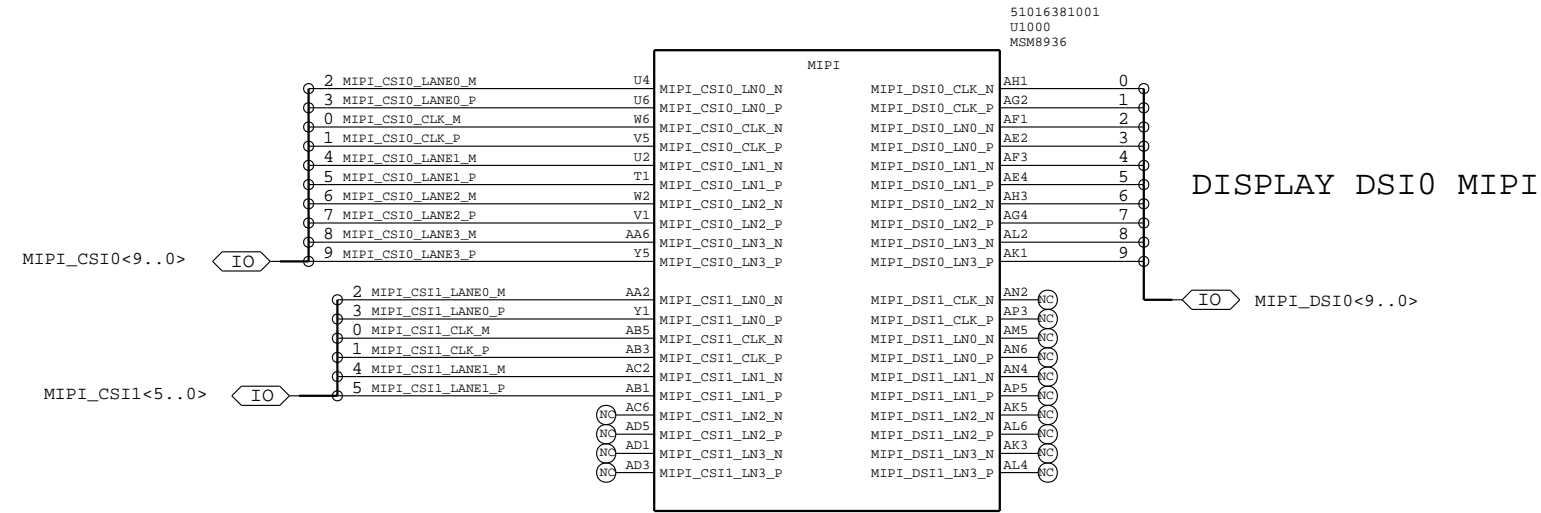


REF:5580-5589

APPROVALS		MOTOROLA MOBILE DEVICES	
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		B 84016439001_a.cpm	01
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MSM: MIPI/DSI/CSI/EBIO

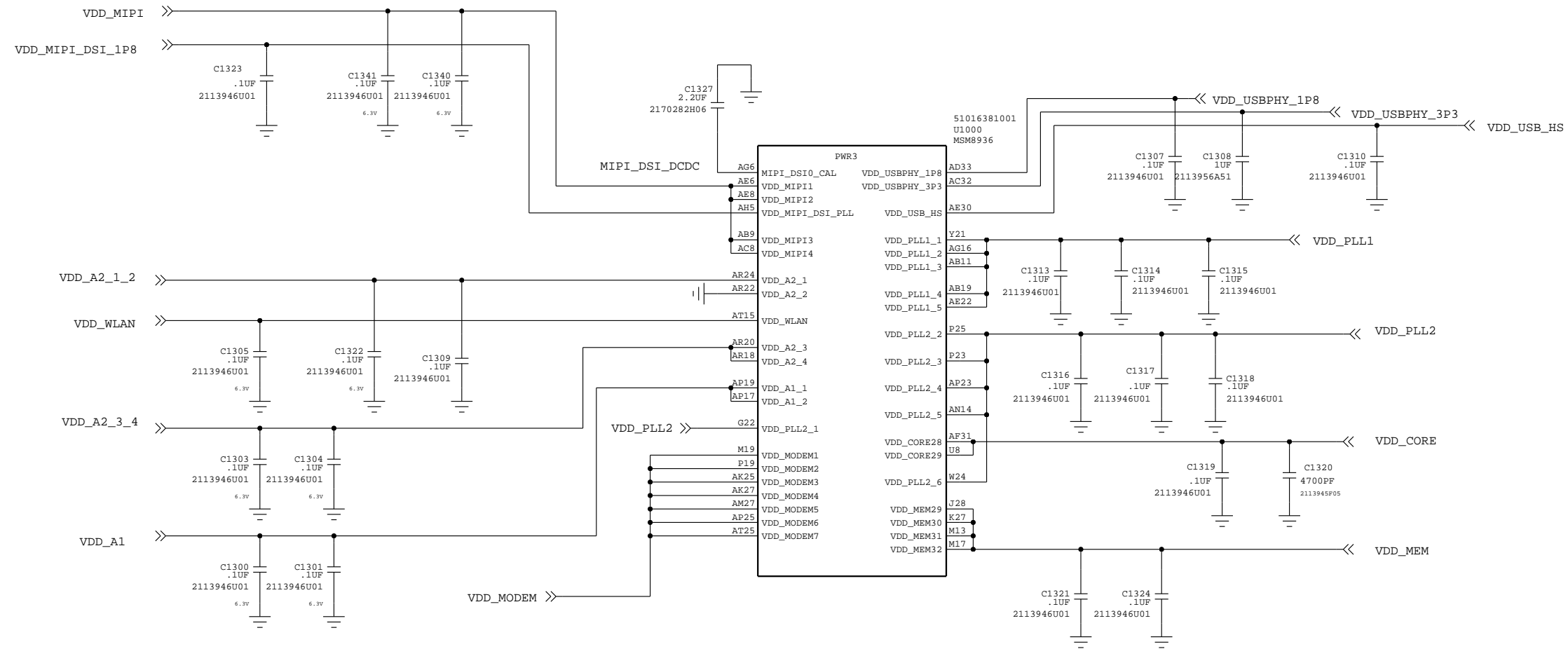
REF 1200-1299



APPROVALS		MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY :		ap_pmic	
Mon Apr 27 11:29:07 2015			
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		01	
		PAGE 19 OF 51	

MSM: PWR1

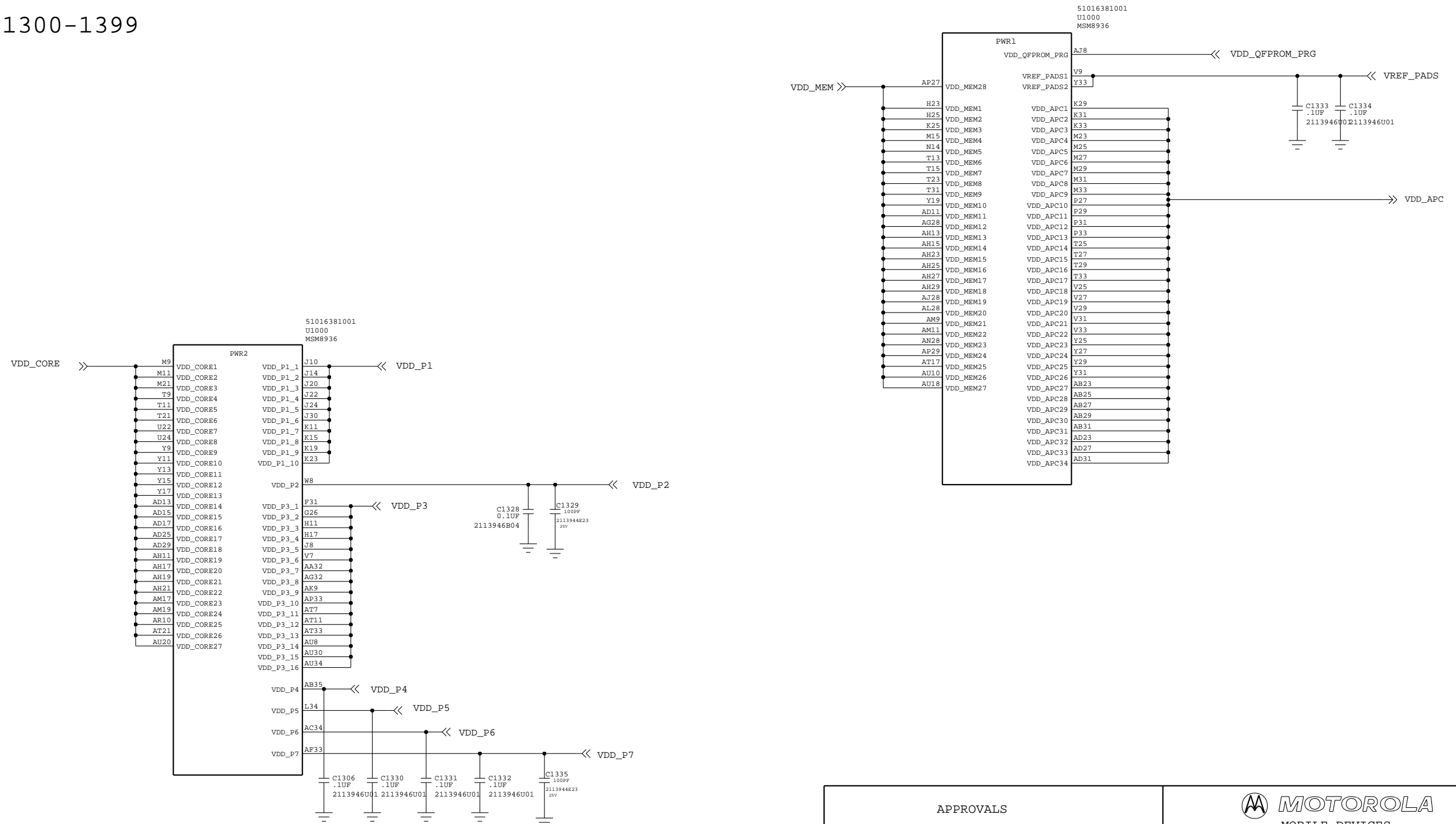
REF 1300-1399



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FAN021 Mon Apr 27 11:29:08 2015		ap_pmic	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME B 84016439001_a.cpm	REV 01
		CAD FILE NAME :	
		PAGE 21 OF 51	

MSM: PWR2

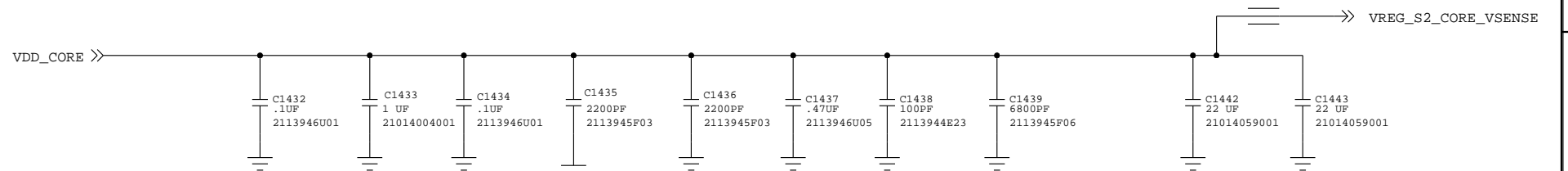
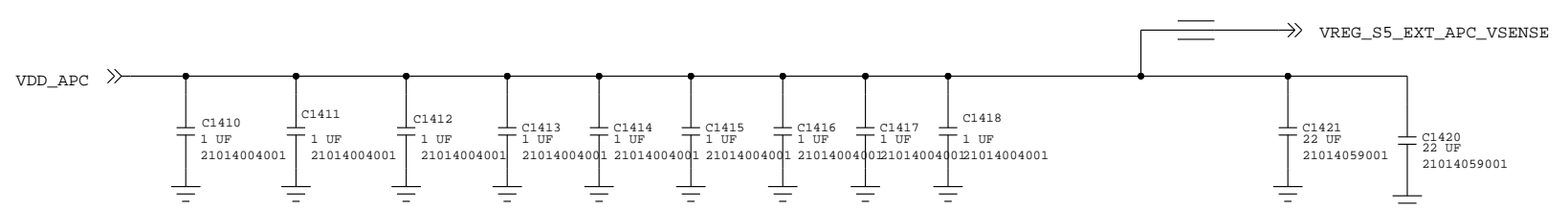
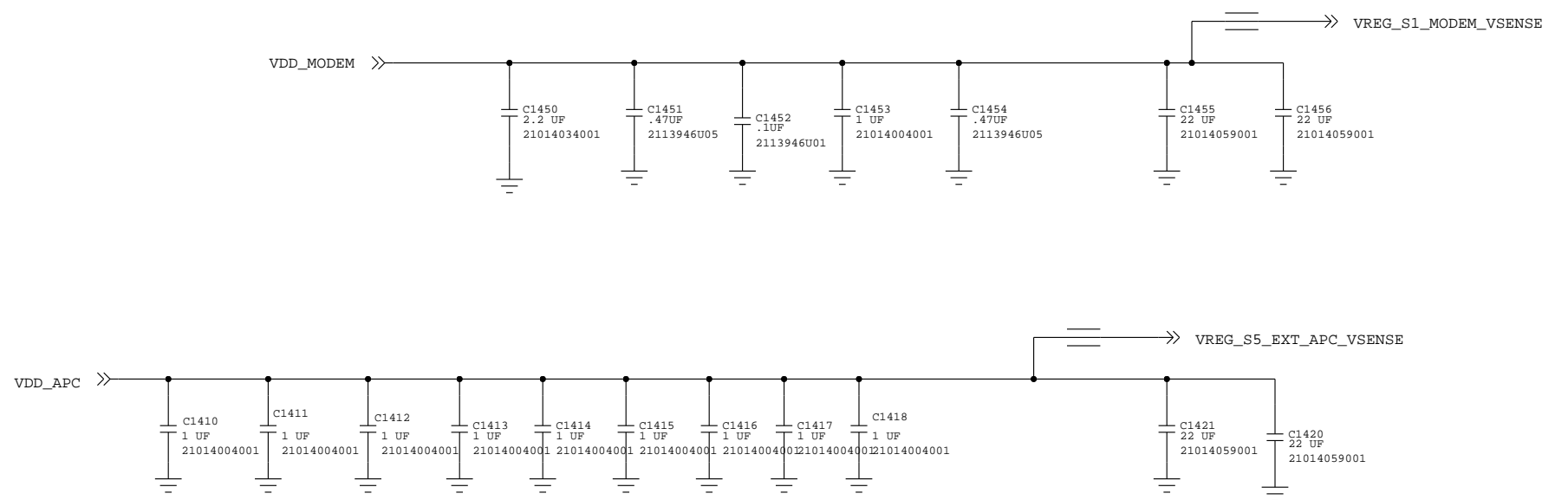
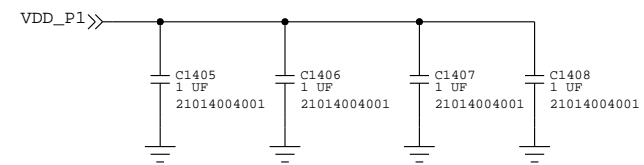
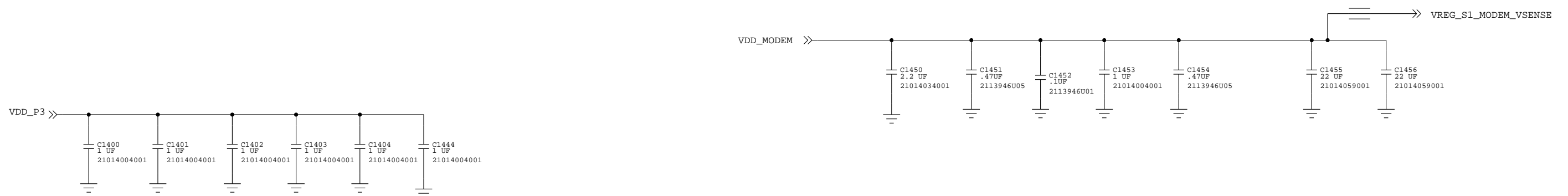
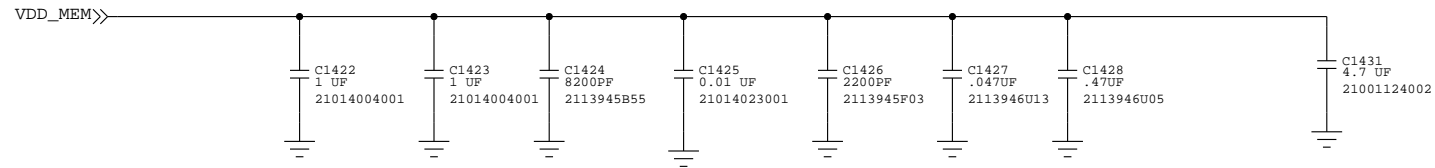
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APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FAN021 Tue Apr 28 09:32:52 2015		ap_pmic	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME B 84016439001_a.cpm	REV 01
		CAD FILE NAME :	
		PAGE 22 OF 51	

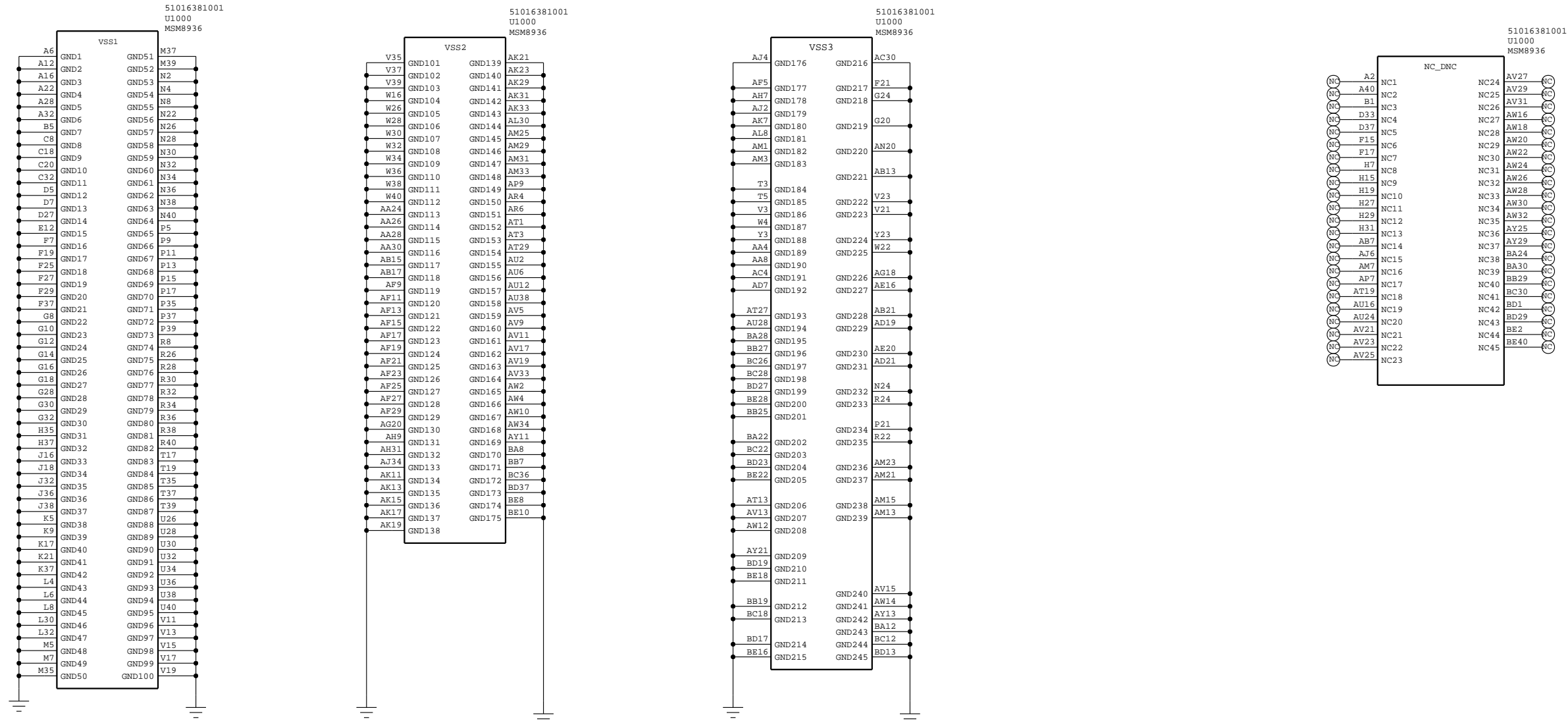
MSM: BYPASS CAPS

REF 1400-1499



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY:FAN021 Mon Apr 27 11:29:09 2015		ap_pmic	
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		CAD FILE NAME :	
		PAGE 23 OF 51	

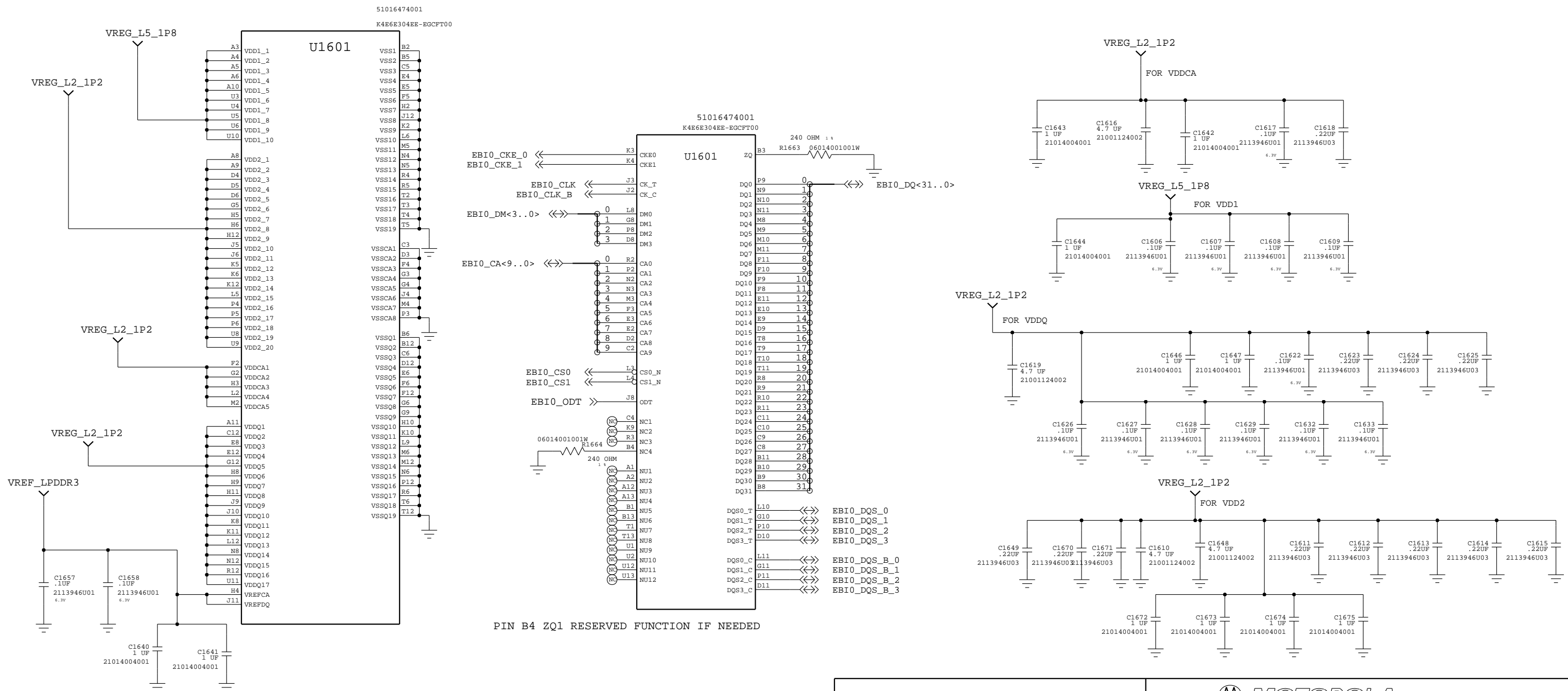
MSM: GROUND



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FAN021 Mon Apr 27 11:29:10 2015		ap_pmic	
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		CAD FILE NAME :	
		PAGE 24 OF 51	

LDDR3 SDRAM

REF: 1600-1699

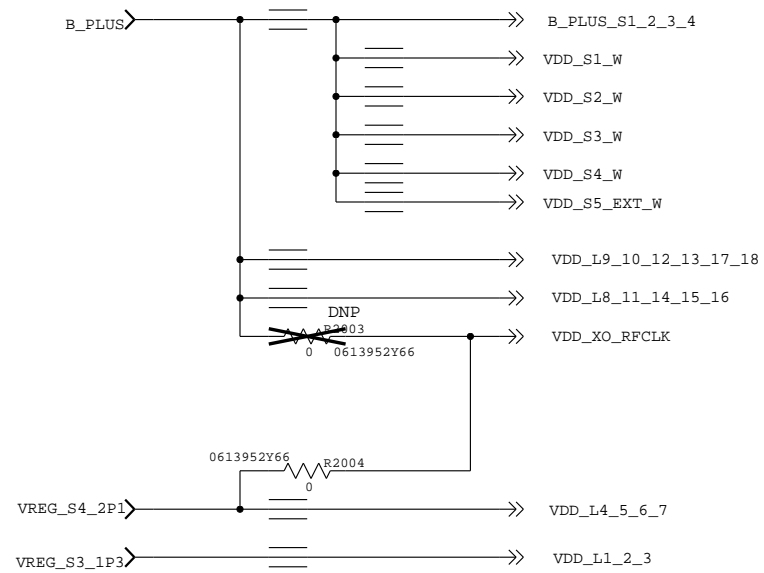


APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: W00281		BLOCK TITLE:	
LAST MODIFIED BY: W00281 Mon Apr 27 11:29:11 2015		ap_pmic	
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		84016439001_a.cpm	
		REV	
		01	
		PAGE 25 OF 51	

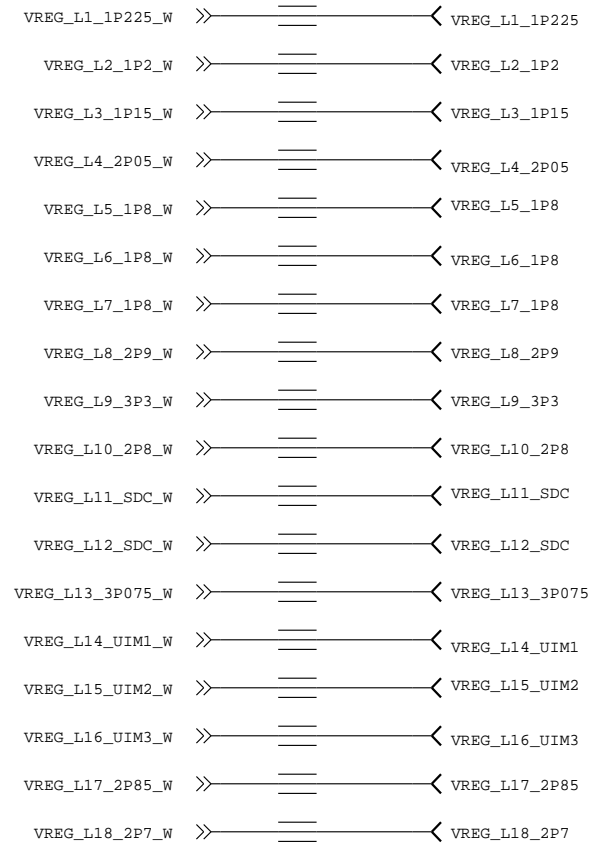
PM8916: POWER

REF: 2000-2999

SUPPLIES



OUTPUTS



APPROVALS

ENGINEER: NATE CONNELL

LAST MODIFIED BY: NATE CONNELL
Mon Apr 27 11:29:12 2015

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BLOCK TITLE:

ap_pmic

PROJECT NAME
B 84016439001_a.cpm

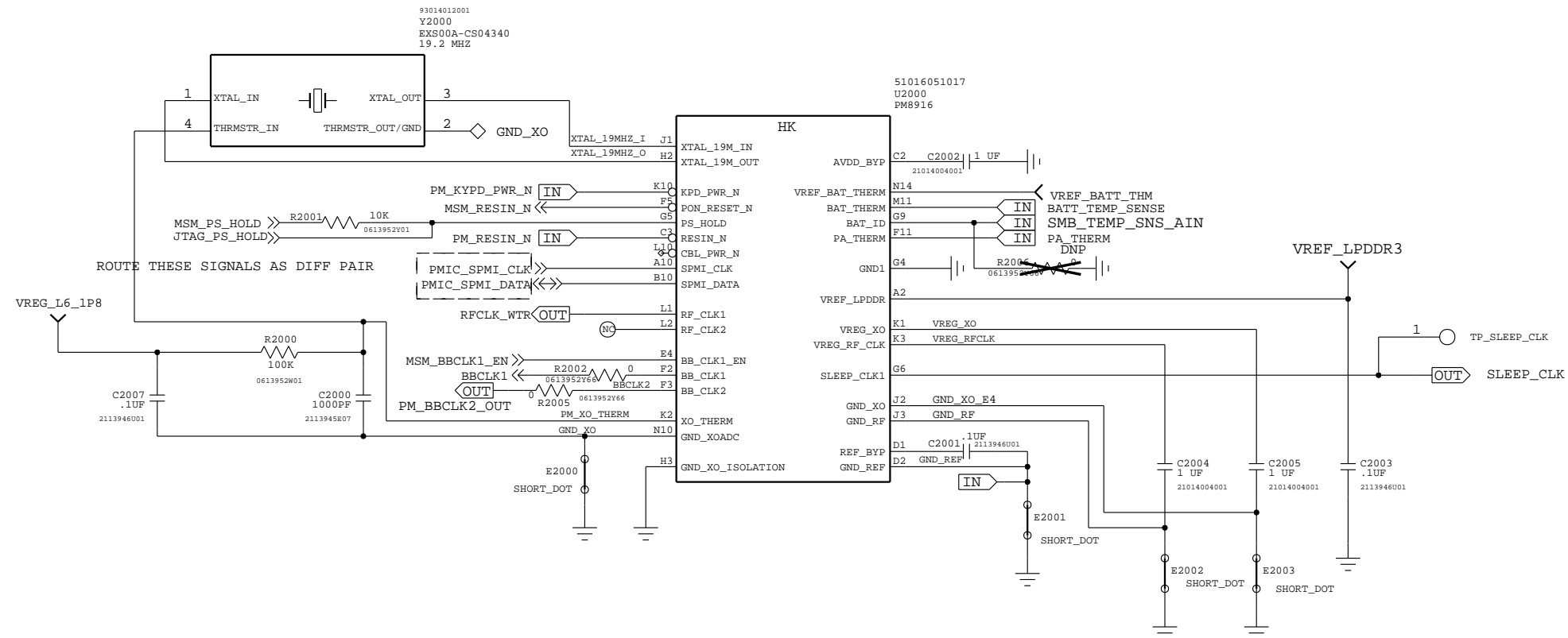
REV
01

CAD FILE NAME:

PAGE 27 OF 51

PM8916: HK

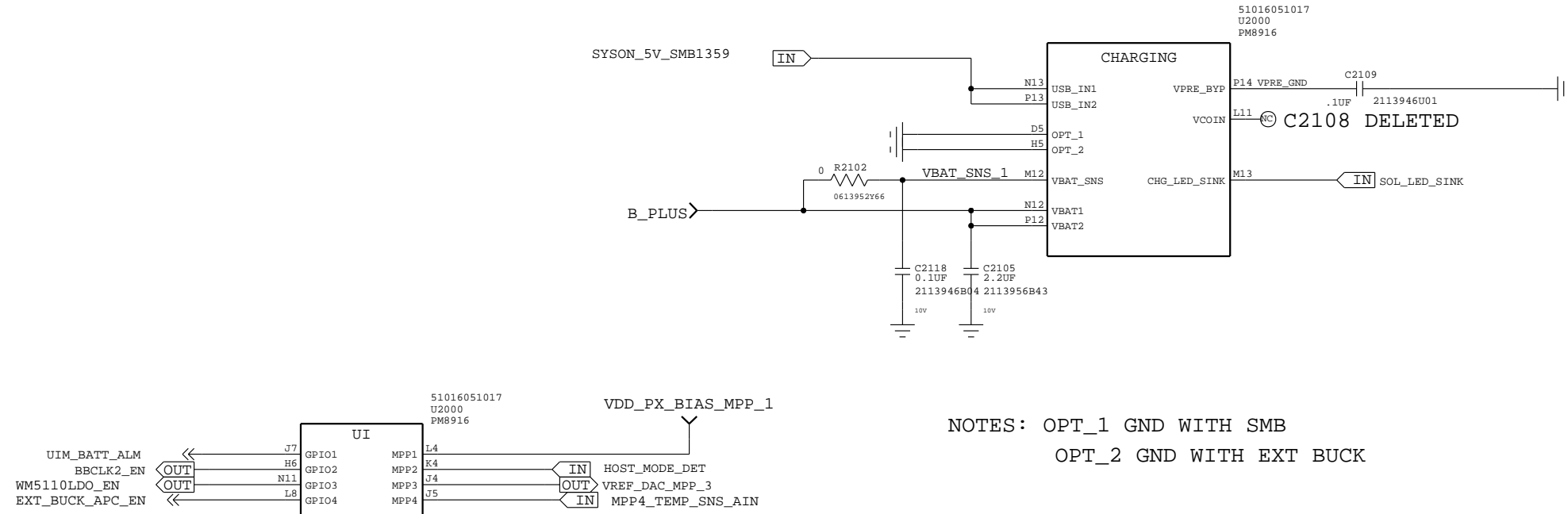
REF: 2000-2999



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: XIAOYU WANG		BLOCK TITLE:	
LAST MODIFIED BY: MMI Mon Apr 27 11:29:13 2015		ap_pmic	
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		CAD FILE NAME:	
		PAGE 28 OF 51	

PM8916: CHRGM/LED/GPIO

REF: 2000-2999

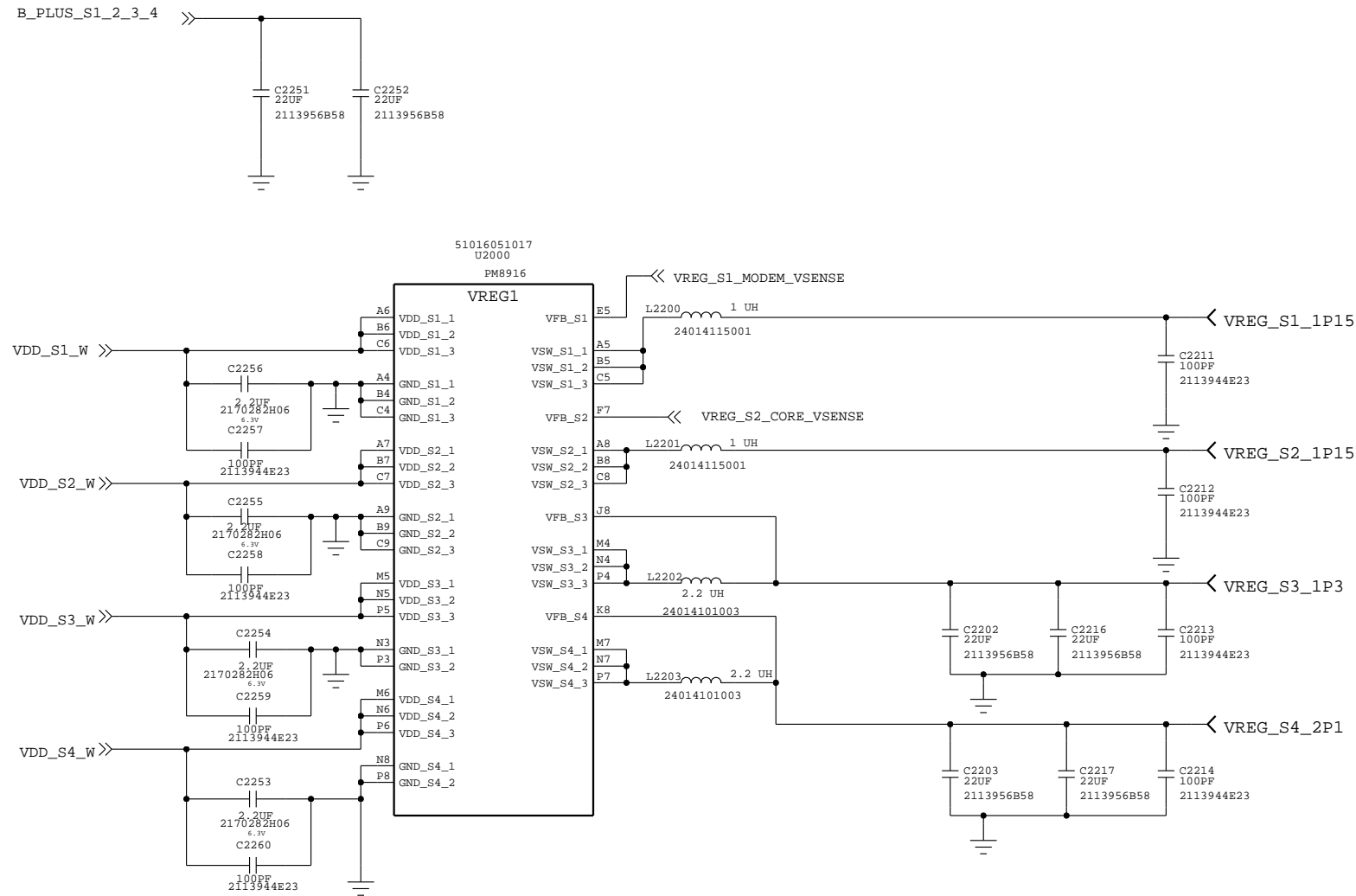


NOTES: OPT_1 GND WITH SMB
OPT_2 GND WITH EXT BUCK

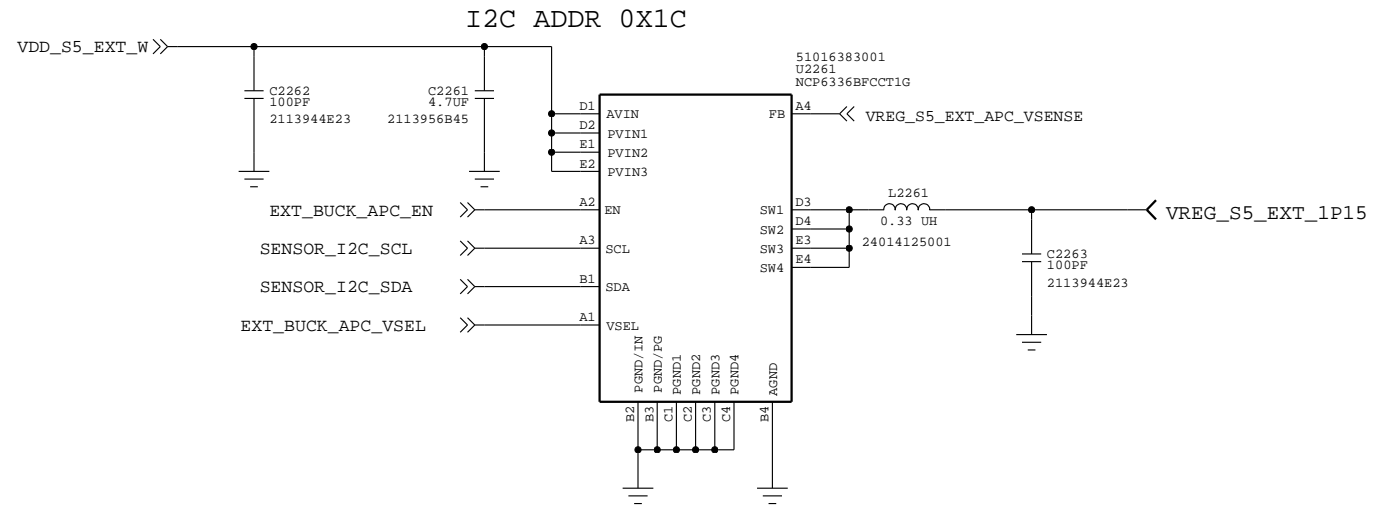
APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI Mon Apr 27 11:29:13 2015		ap_pmic	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME	REV
		B 84016439001_a.cpm	01
CAD FILE NAME:		PAGE 29 OF 51	

PM8916: SMPS

REF: 2000-2999



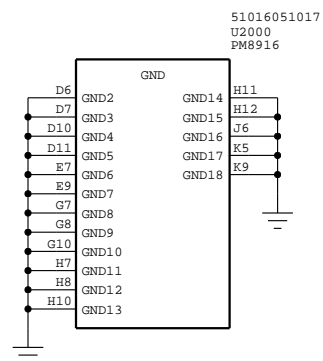
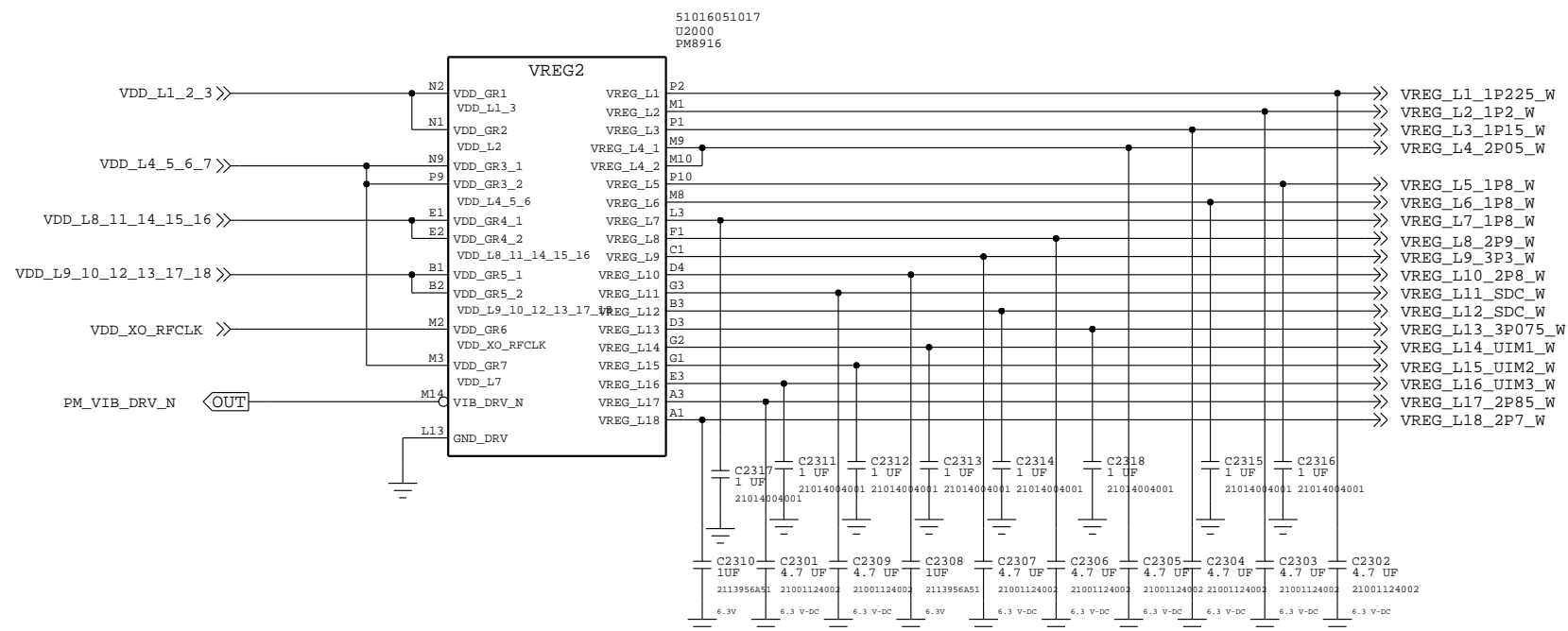
NOTE: PLACE INPUT CAPS CLOSE TO RESPECTIVE VIN PINS
 EACH CAP GND SHOULD BE STAR-ROUTED
 APC EXT-BUCK REGULATOR



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: XIAOYU WANG		BLOCK TITLE:	
LAST MODIFIED BY: MMI Mon Apr 27 11:29:14 2015		ap_pmic	
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CAD FILE NAME:		PAGE 30 OF 51	

PM8916: VREGS

REF: 2000-2999



PSEUDO CAPLESS LDOS

L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18

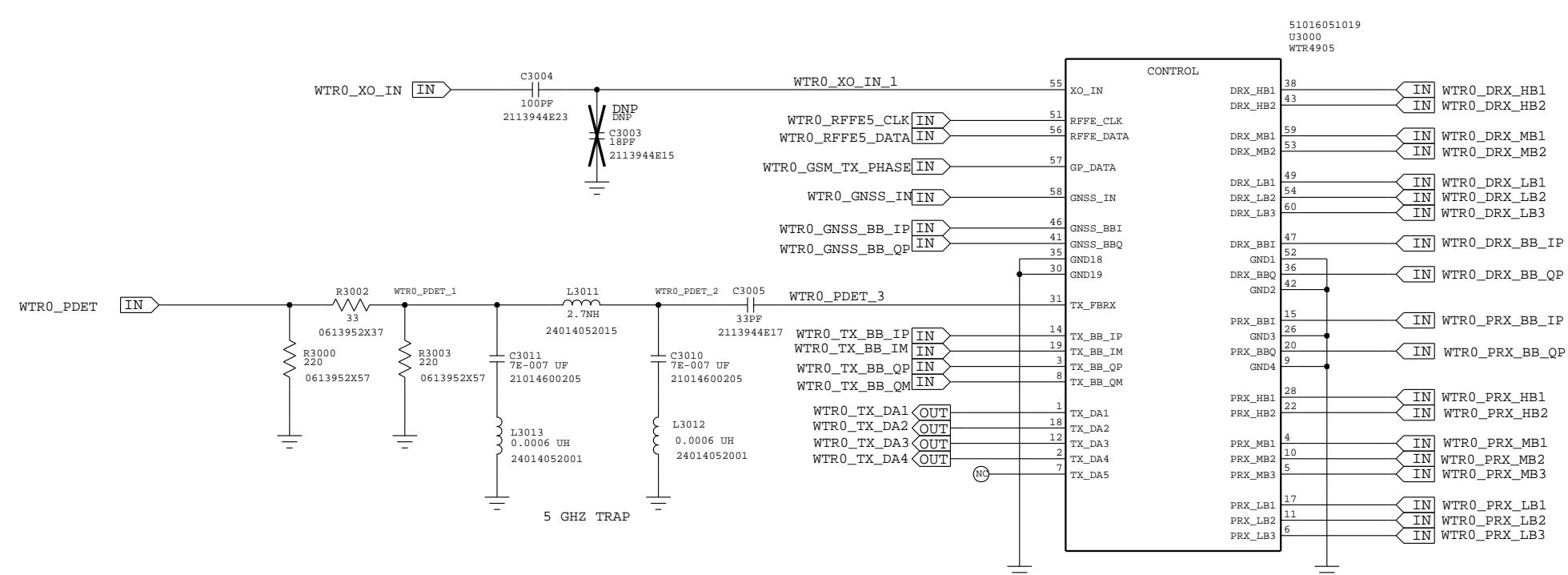
L8, L9, L11, L17 EACH SHALL HAVE TOTAL EFFECTIVE OUTPUT CAPACITANCE OF 4.7UF
 REST OF THE LDOS SHALL HAVE TOTAL EFFECTIVE OUTPUT CAPACITANCE OF 1.0UF

NOTE: IF A DECOUPLING CAP OF A PSEUDO CAPLESS LDO DOES NOT ADD TO 1UF ON THE LOAD SIDE, INSTALL THE CAP CLOSE TO THE PMIC

APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: XIAOYU WANG		BLOCK TITLE:	
LAST MODIFIED BY: MMI Mon Apr 27 11:29:15 2015		ap_pmic	
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		CAD FILE NAME:	
		PAGE 31 OF 51	

WTR4905 BB RF

REF 3000-3099



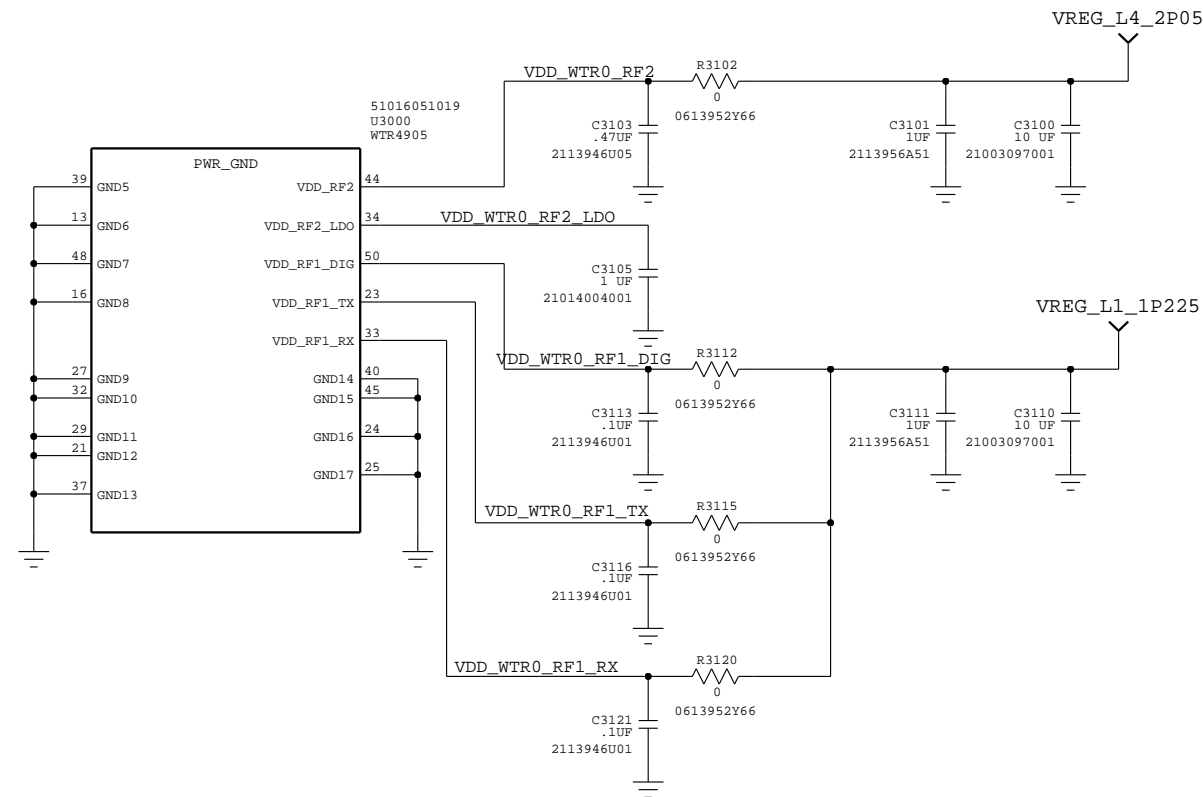
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APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: Mon Apr 27 11:29:04 2015		block_wtr4905	
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		CAD FILE NAME:	
		PAGE 32 OF 51	

BASED ON 80-NL713-44 REV. A

WTR4905 POWER

REF 3100-3199



MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI Mon Apr 27 11:29:05 2015		block_wtr4905	
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		B 84016439001_a.cpm	01
CAD FILE NAME:		PAGE 33 OF 51	

BASED ON 80-NL713-44 REV. A

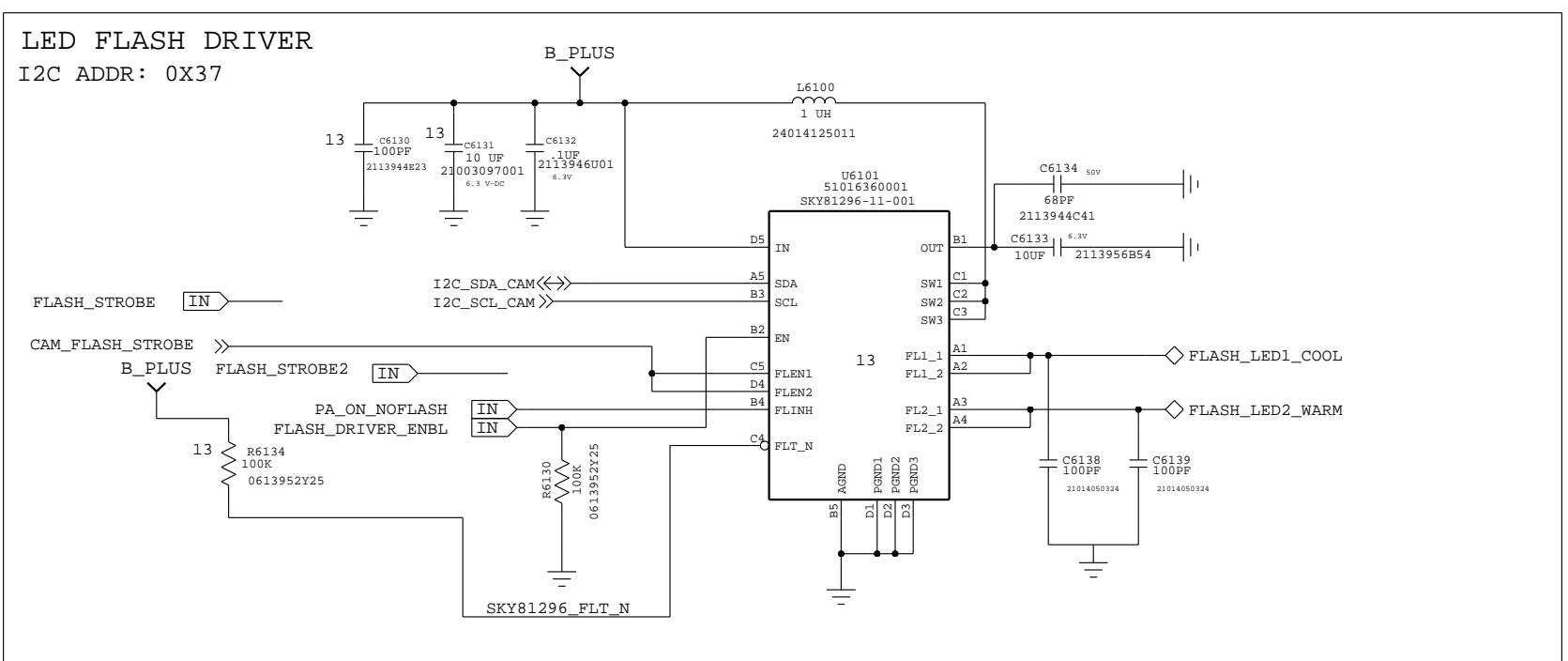
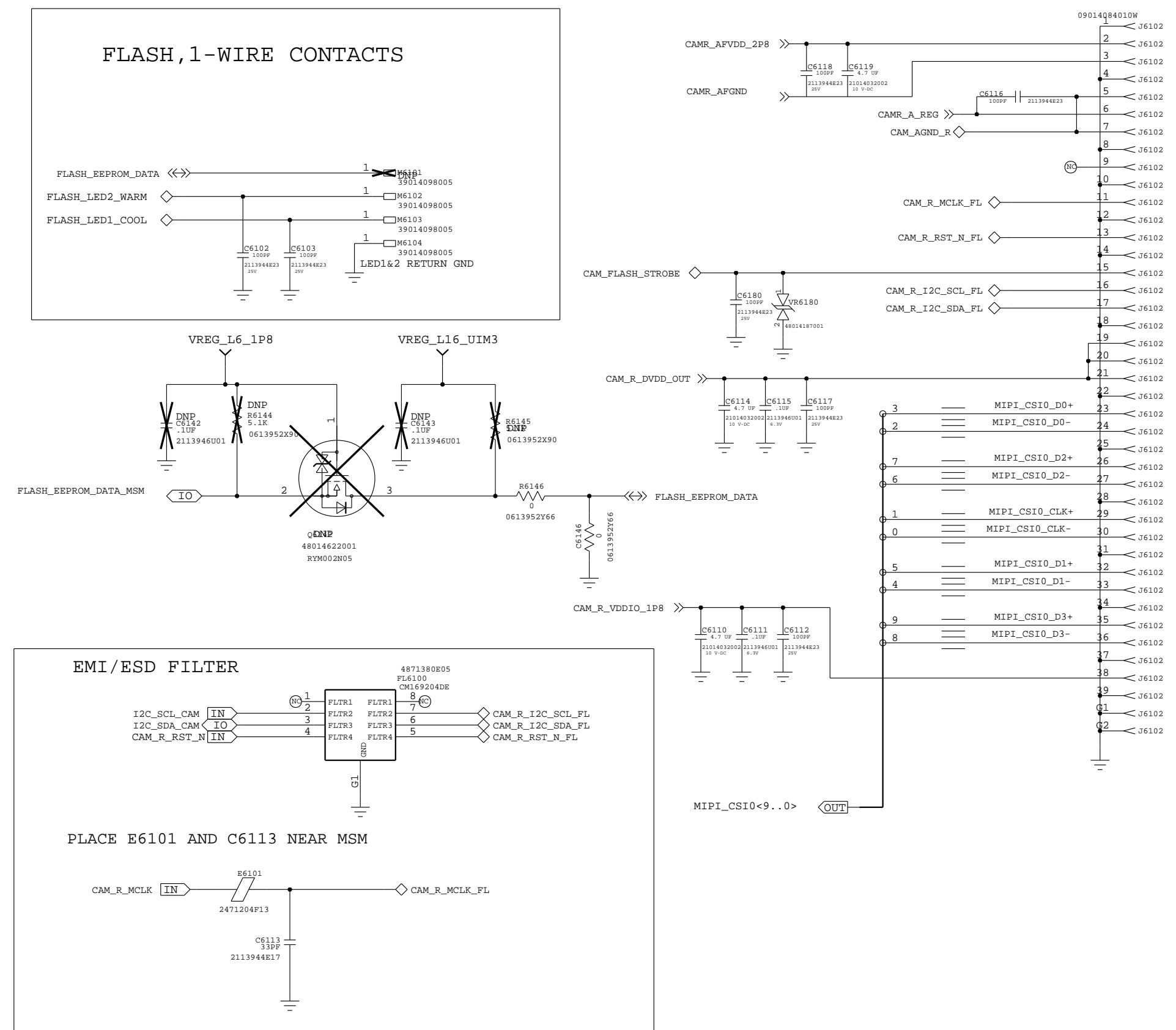
REAR CAMERA

REF: 6100-6149

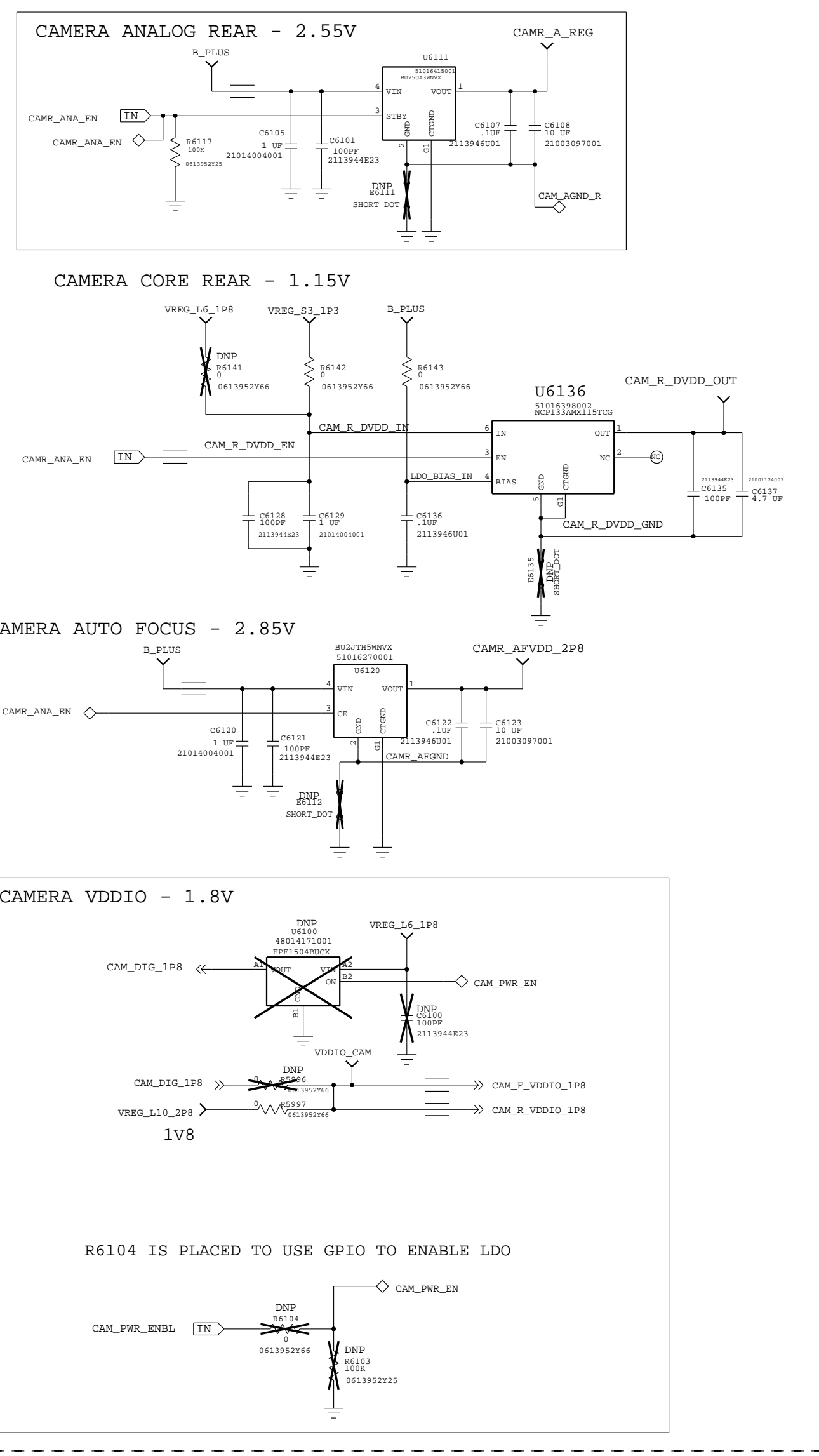
REAR CAM I2C ADDR:
 0X1A (SENSOR)
 0X50 (EPROM)
 0X72 (AUTOF)

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

IMAGER FLEX CONNECTOR



POWER REGULATORS



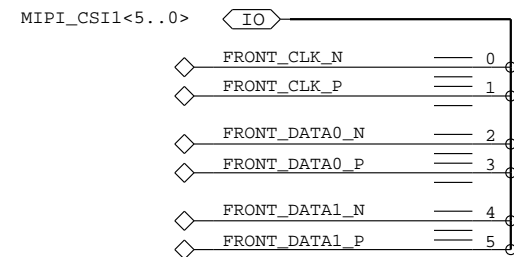
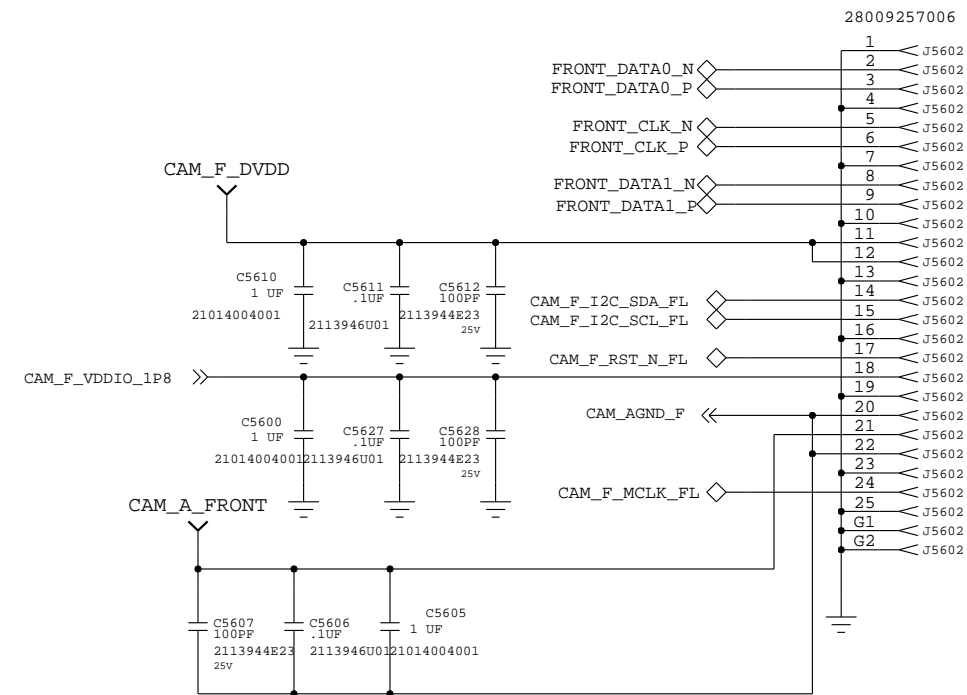
APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: W00281		BLOCK TITLE: user_interface	
LAST MODIFIED BY: W00281 Mon Apr 27 11:45:31 2015		PROJECT NAME 84016439001_a.cpm	
MOTOROLA CONFIDENTIAL RESTRICTED		REV 01	
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FRONT CAMERA

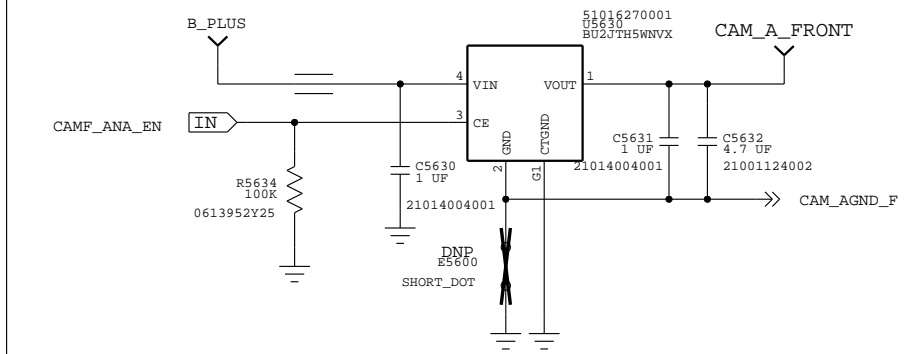
REF 5600-5649

FF CAMERA CONNECTOR

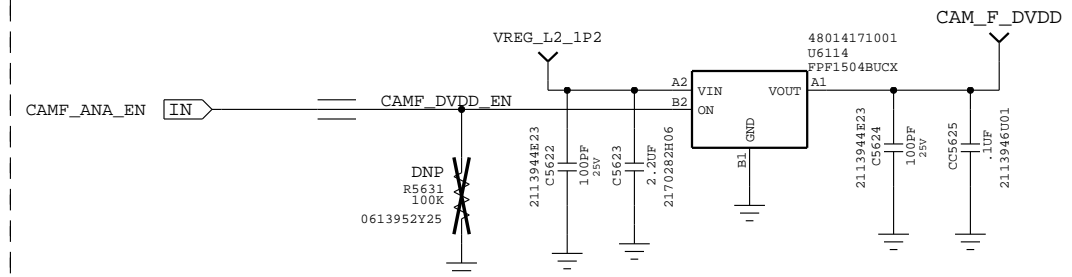
REAR CAM I2C ADDR:X10



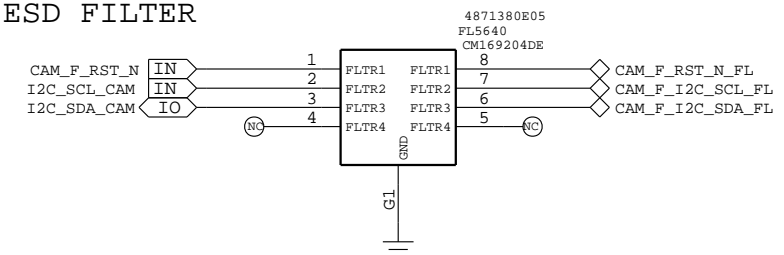
CAMERA ANALOG FRONT - 2.85V



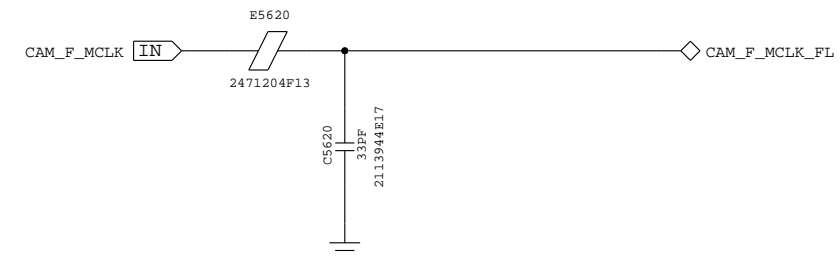
CAMERA FRONT DVDD - 1.2V



EMI/ESD FILTER



PLACE E5620 AND C5620 NEAR MSM



APPROVALS



ENGINEER: JOHN KRAMER

BLOCK TITLE:

LAST MODIFIED BY: NATE CONNELL
Mon Apr 27 11:28:59 2015

user_interface

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PROJECT NAME

REV

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B

84016439001_a.cpm

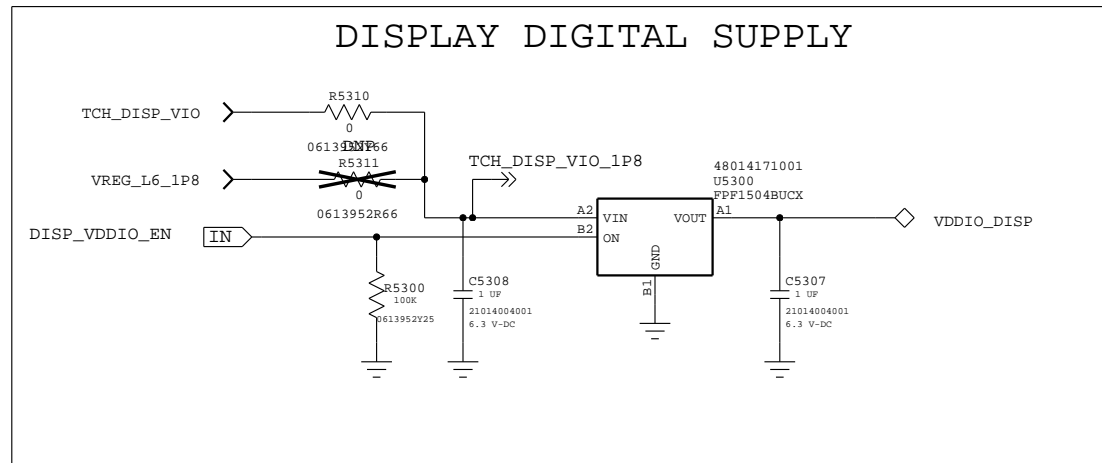
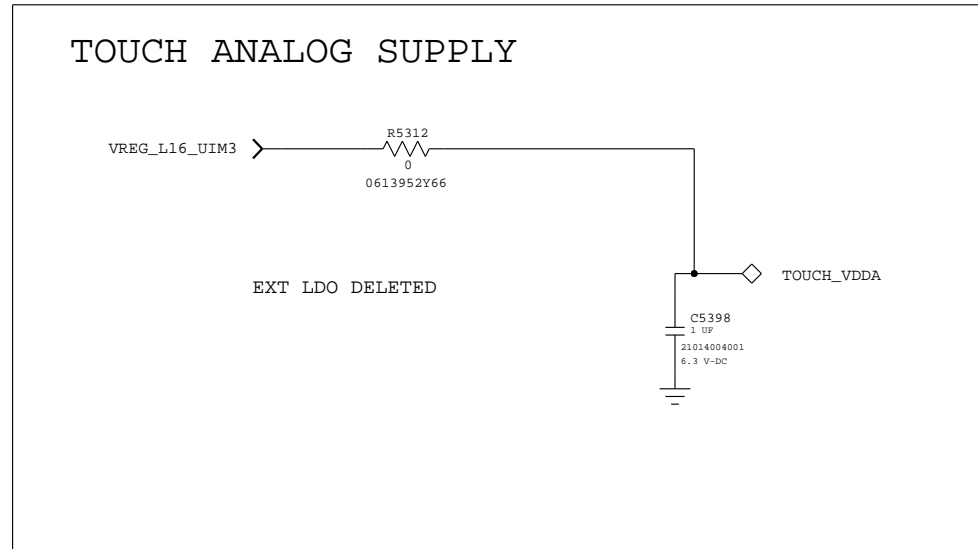
01

CAD FILE NAME:

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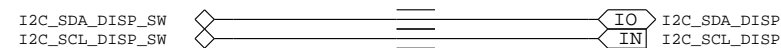
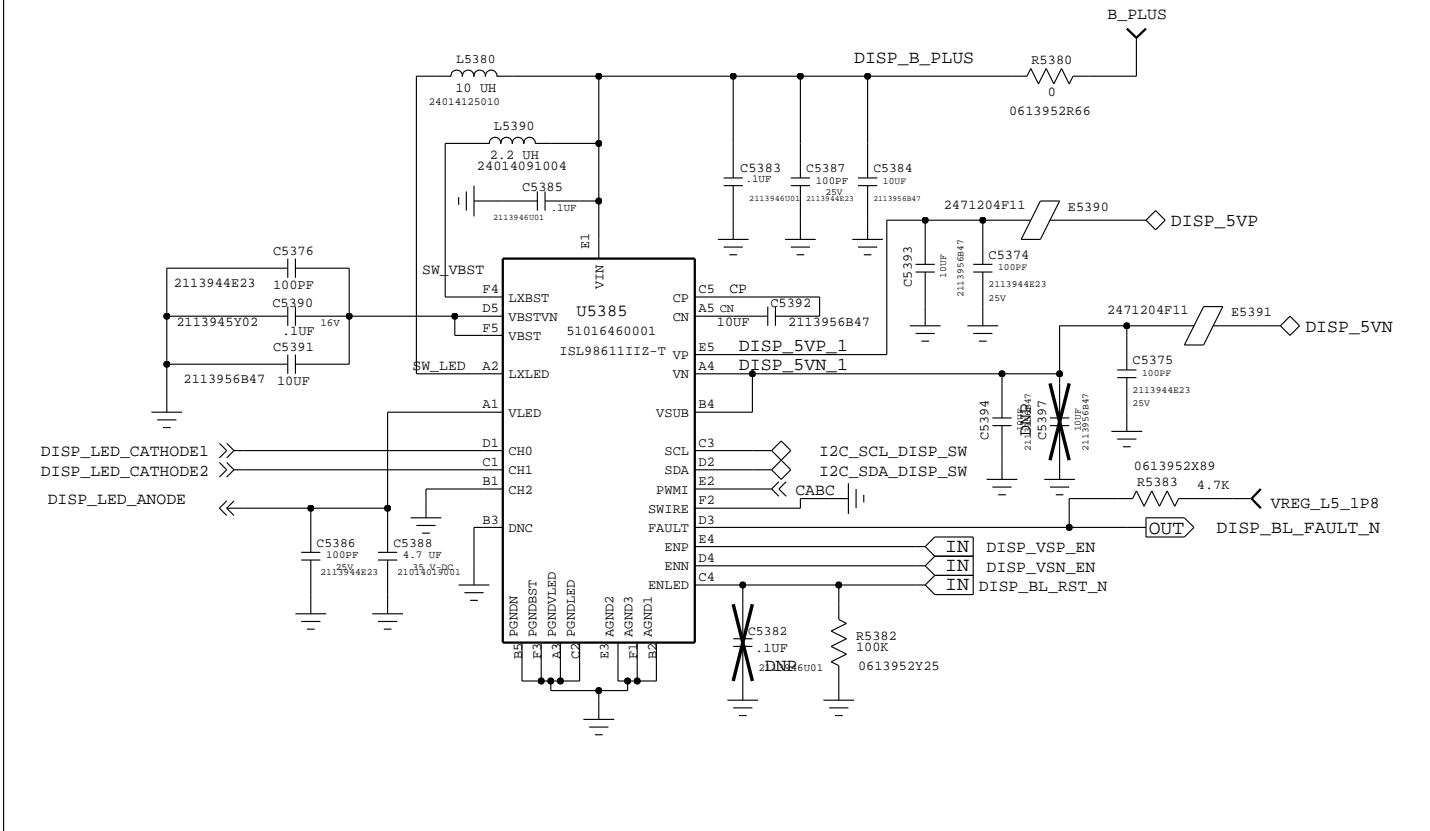
DISP: POWER

REF: 5300-5399



DISPLAY BACK LIGHT, VP/VN

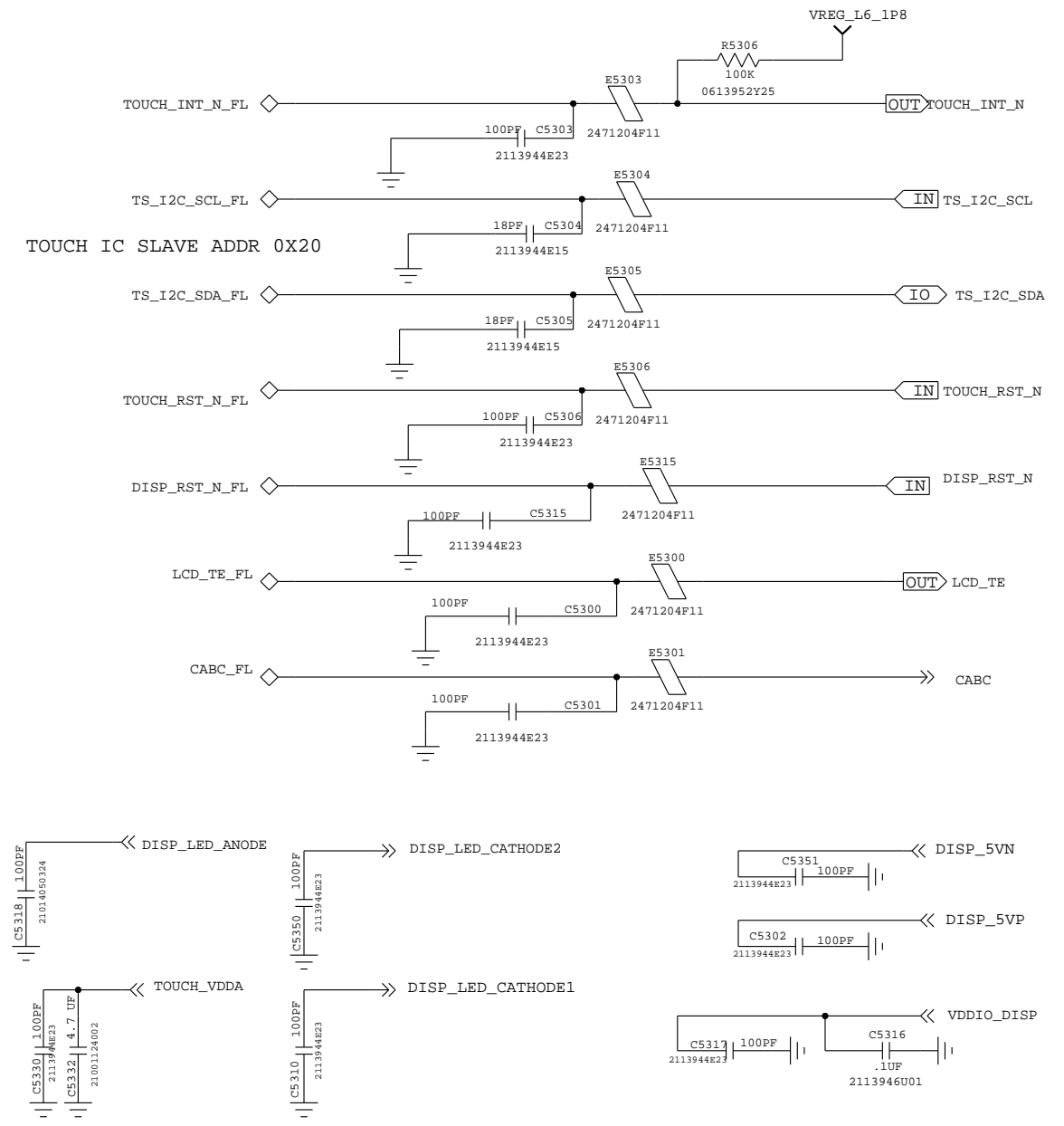
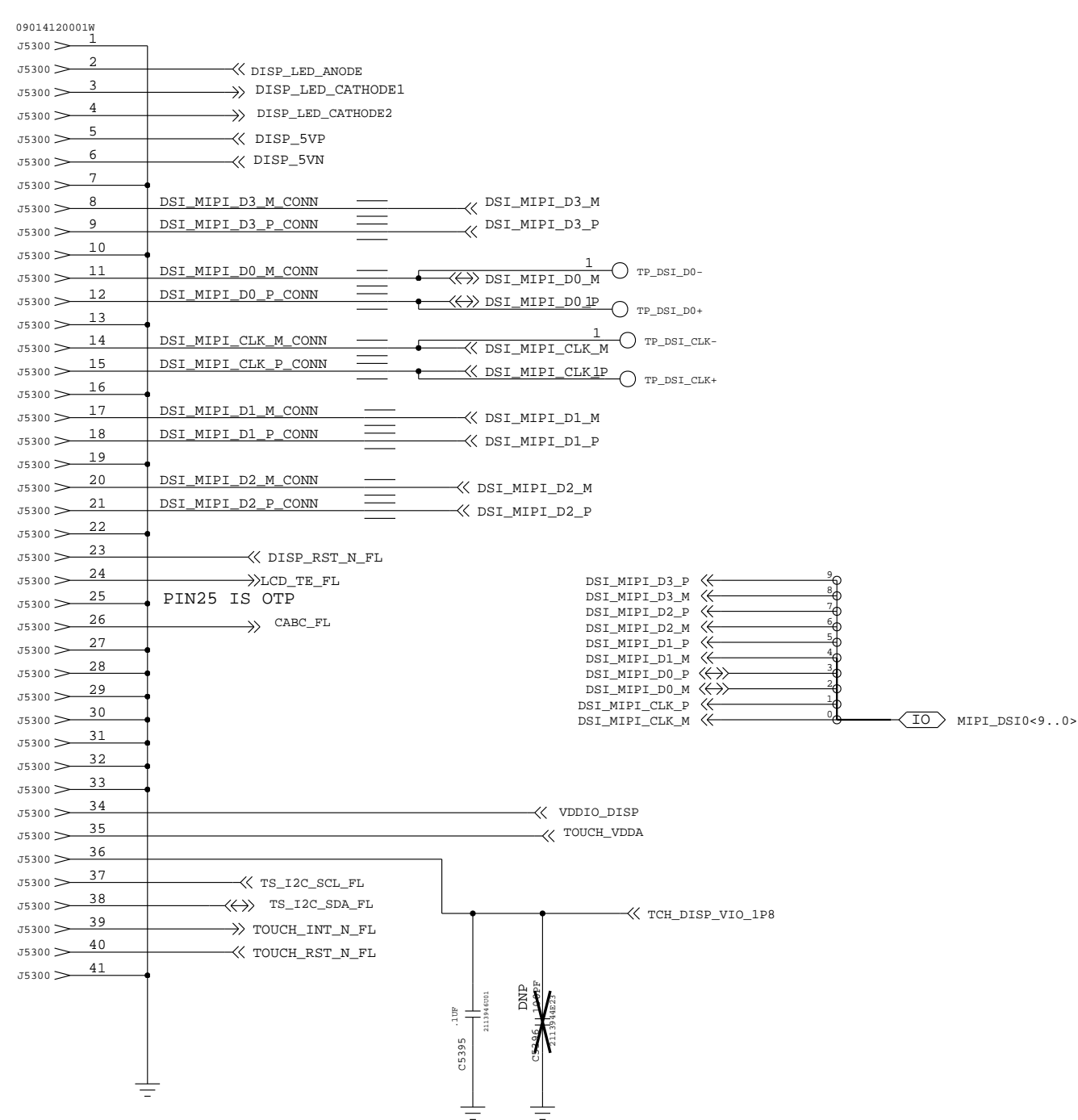
I2C ADDR: 0X29



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MIGUEL DELEON		BLOCK TITLE:	
LAST MODIFIED BY: MIGUEL DELEON Mon Apr 27 11:28:59 2015		user_interface	
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		CAD FILE NAME:	
		PAGE 36 OF 51	

DISP: CONNECTOR

REF: 5300-5399

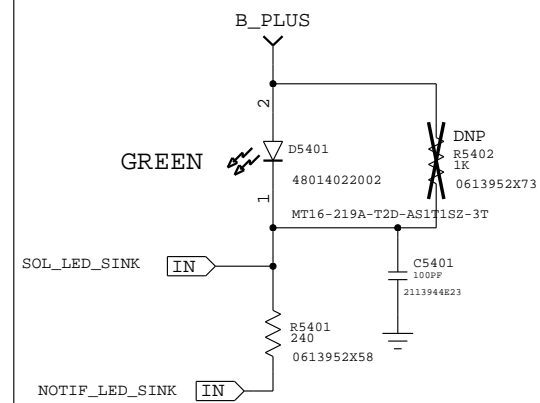


APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MIGUEL DELEON		BLOCK TITLE:	
LAST MODIFIED BY: MIGUEL DELEON Mon Apr 27 11:29:00 2015		user_interface	
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		B 84016439001_a.cpm	01
CAD FILE NAME:		PAGE 37 OF 51	

KEYS AND LEDS

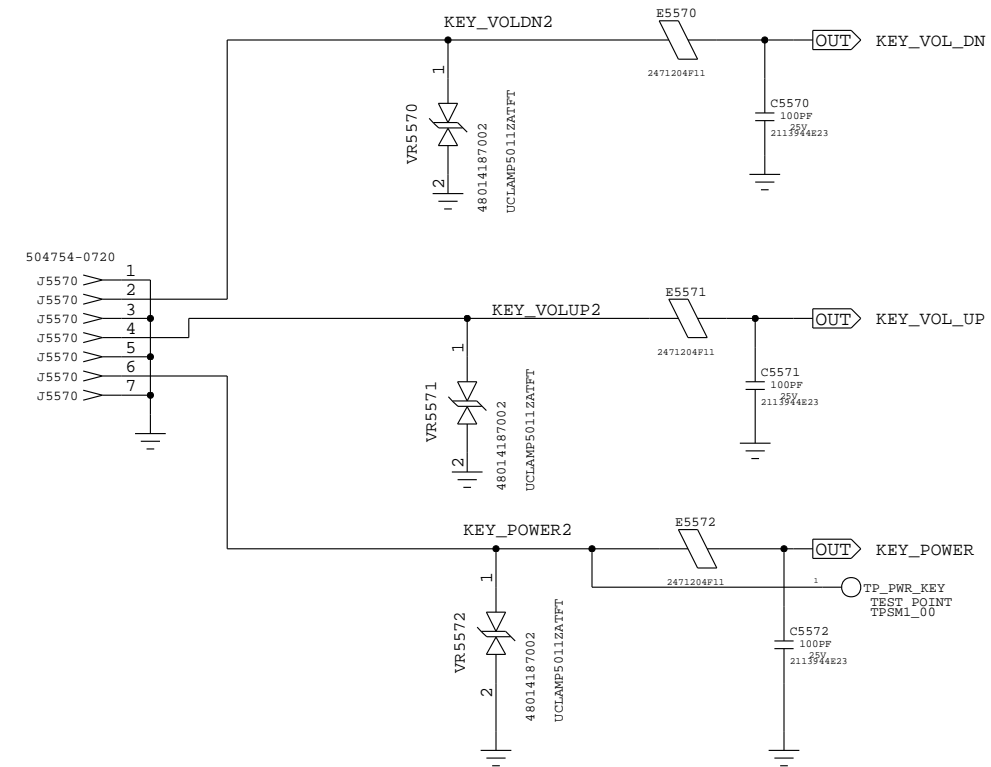
SOL + NOTIFICATION LED

REF:5400-5409



MECHANICAL KEYS

REF:5570-5579



APPROVALS

ENGINEER: CARI HERNANDEZ

LAST MODIFIED BY: CARI HERNANDEZ
Wed May 06 11:48:36 2015

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BLOCK TITLE:

user_interface

PROJECT NAME
B 84016439001_a.cpm

REV
01

CAD FILE NAME:

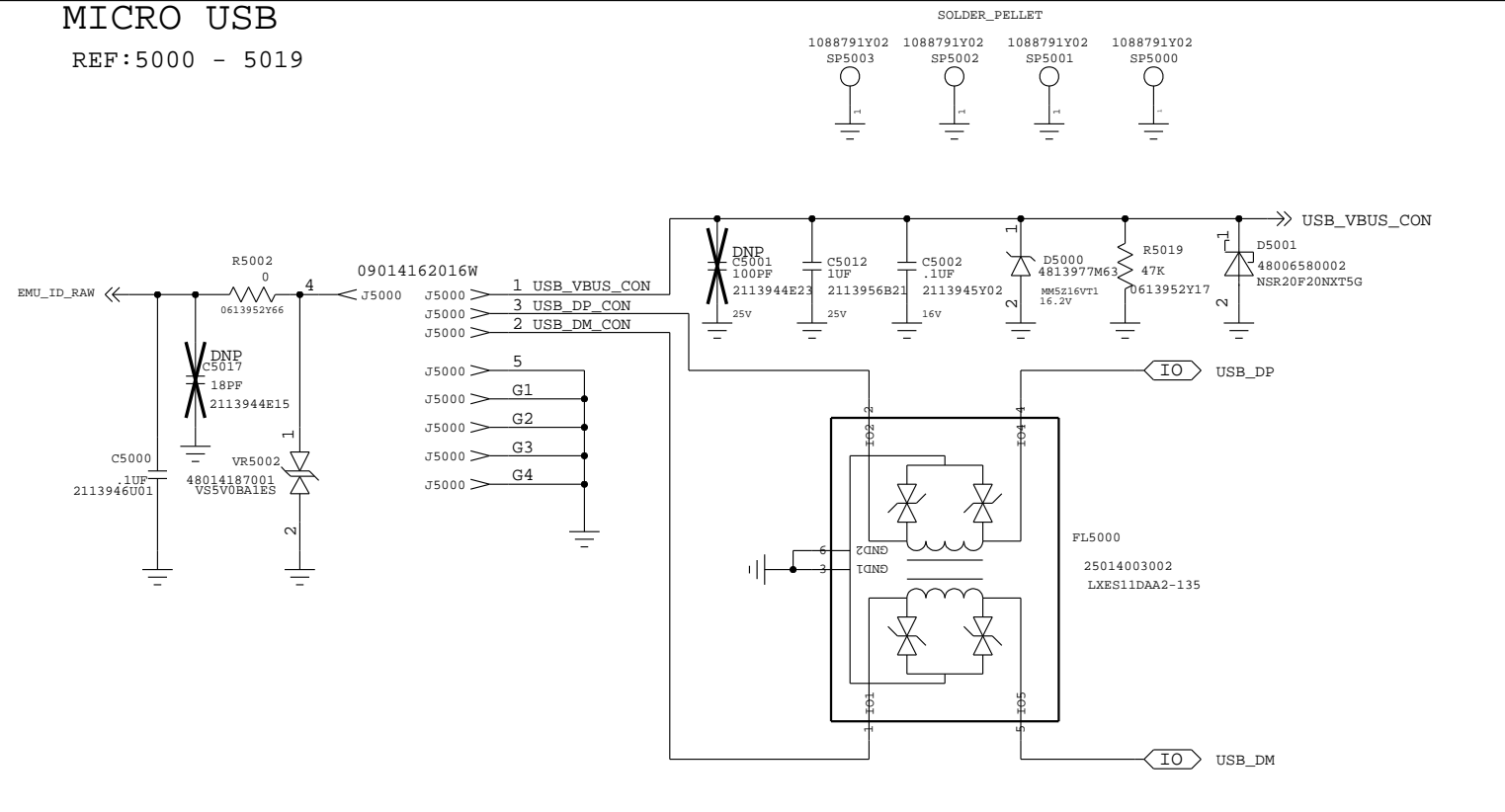
PAGE 38 OF 51

USB_BATTERY

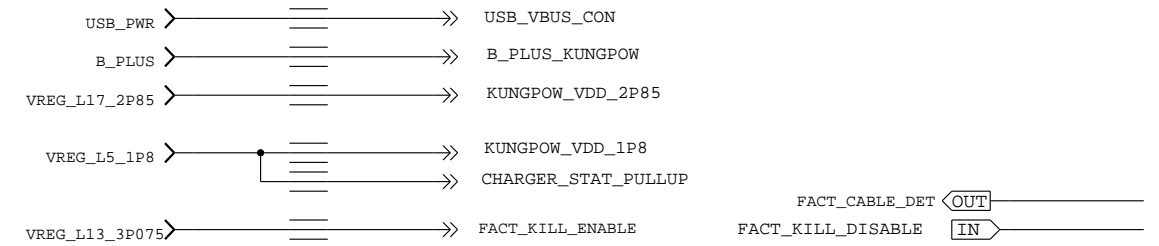
REF:5000 - 5299

MICRO USB

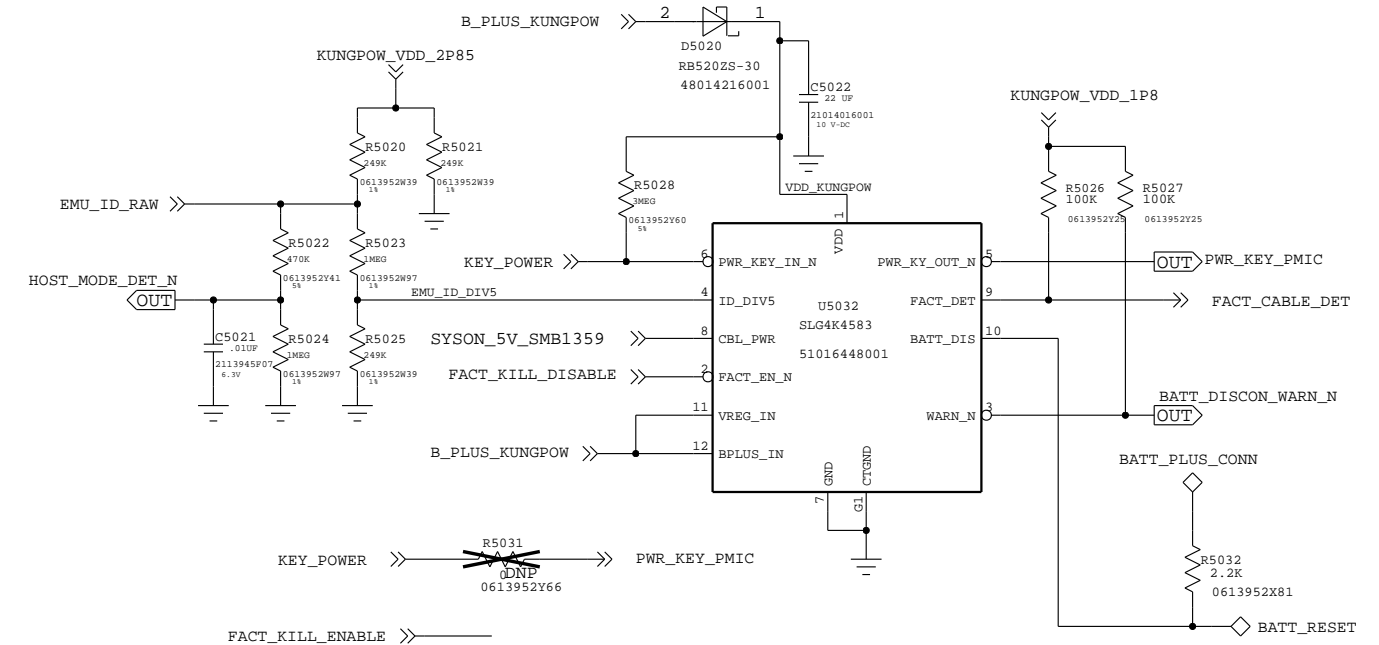
REF:5000 - 5019



SUPPLIES

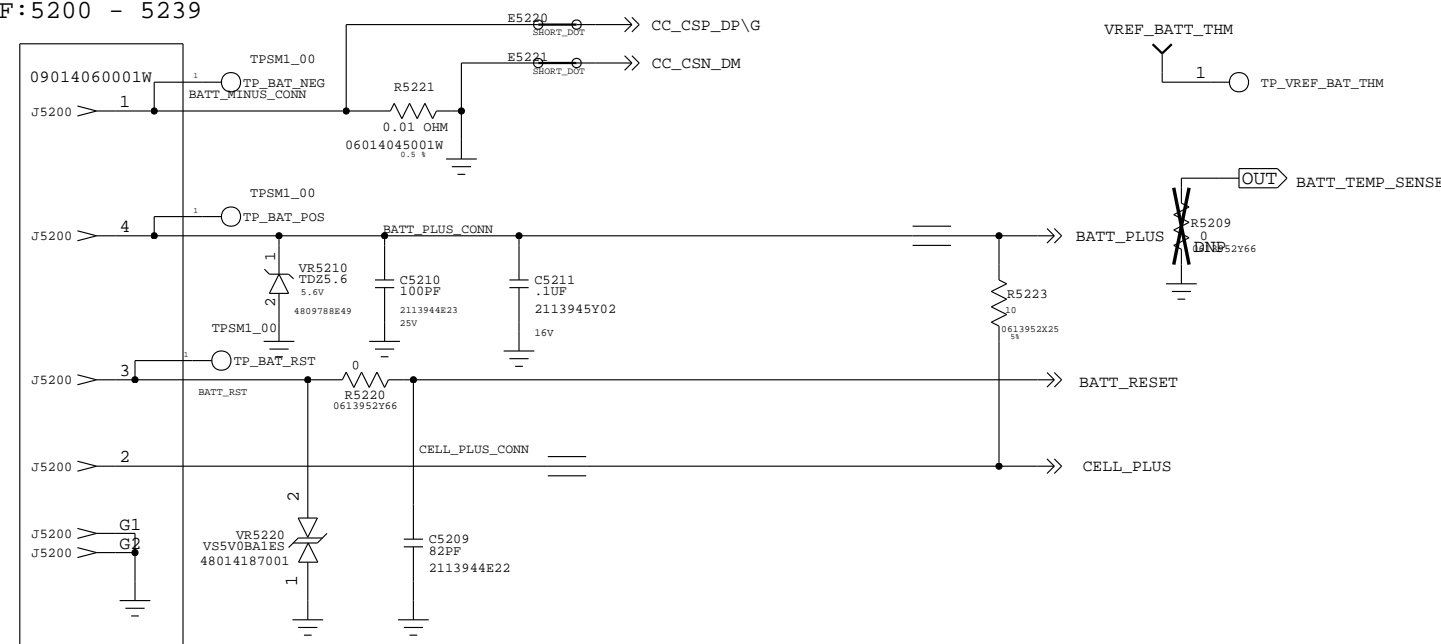


KUNG KOW BATTERY DISCONNECT



BATTERY BLOCK

REF:5200 - 5239



APPROVALS

ENGINEER: XIAOYU WANG
 LAST MODIFIED BY: NATE CONNELL
 Mon Apr 27 11:29:02 2015



BLOCK TITLE:
user_interface

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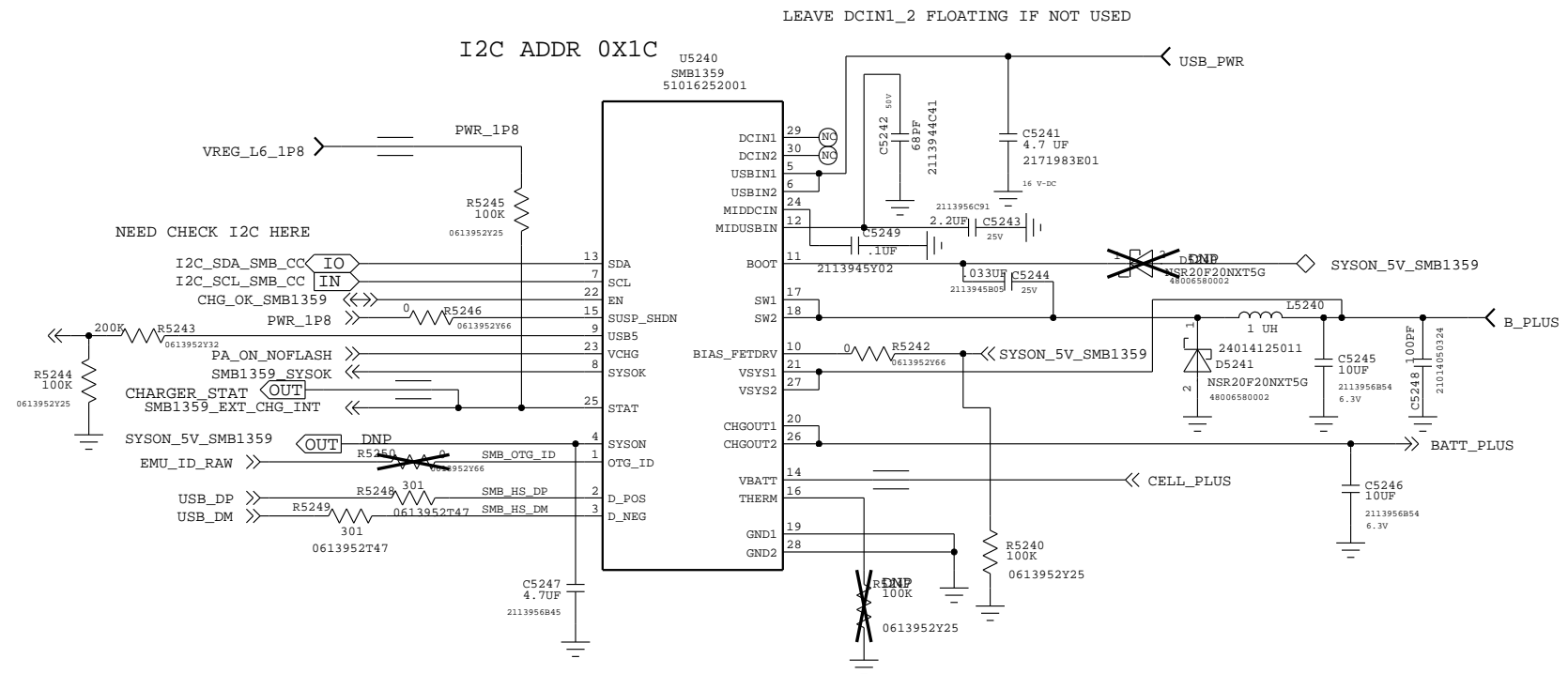
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PROJECT NAME: 84016439001_a.cpm
 REV: 01

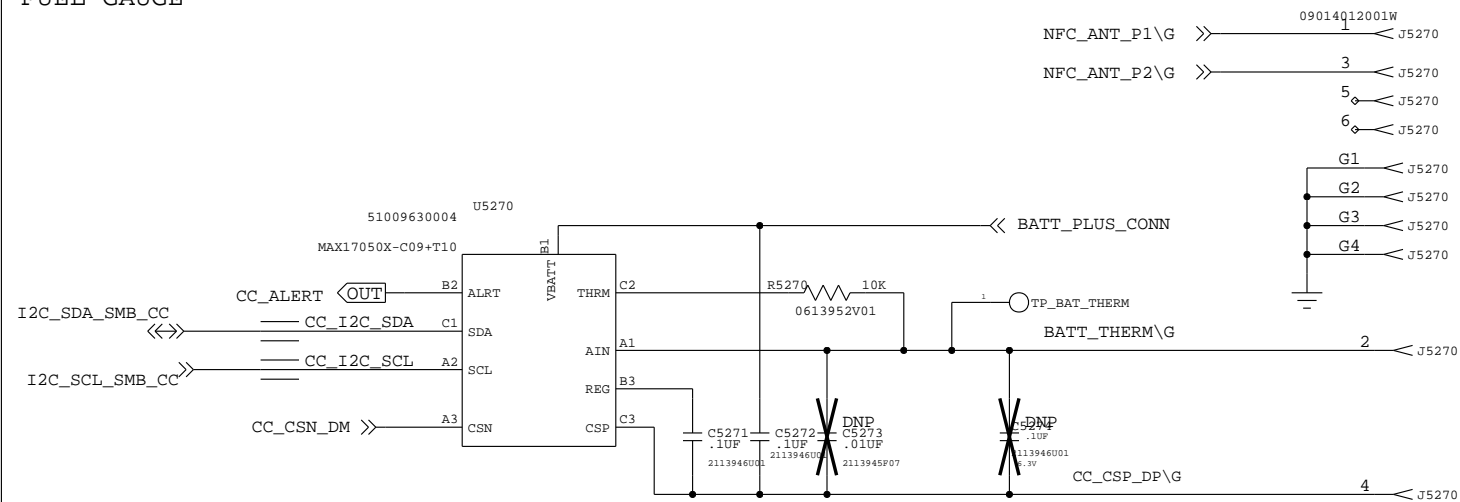
CAD FILE NAME:

CHARGING

REF: 5240 - 5279



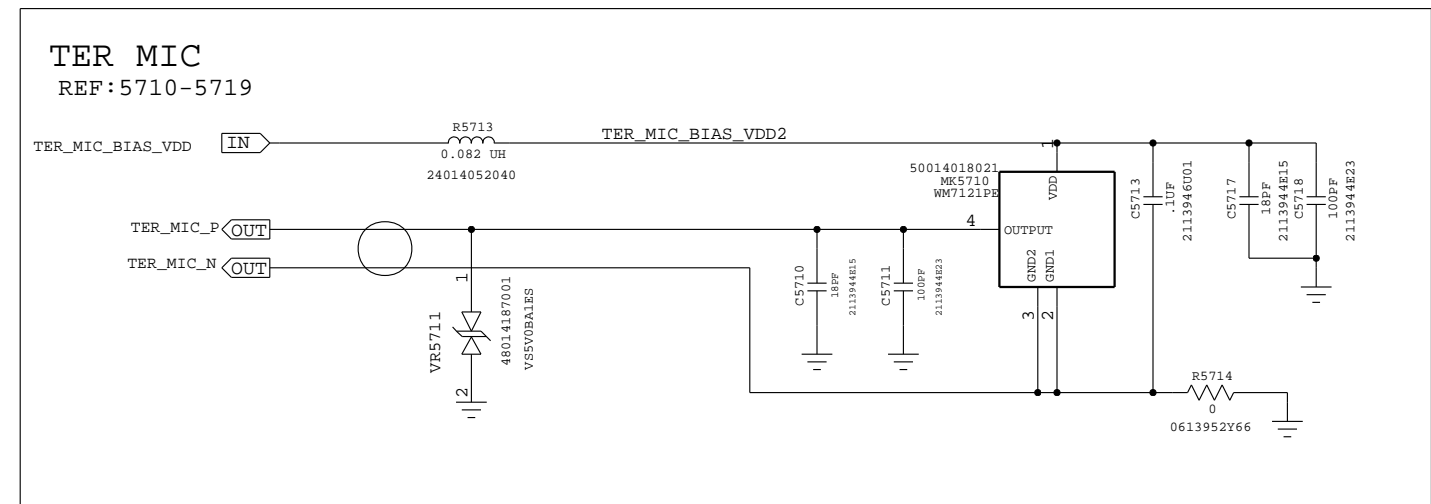
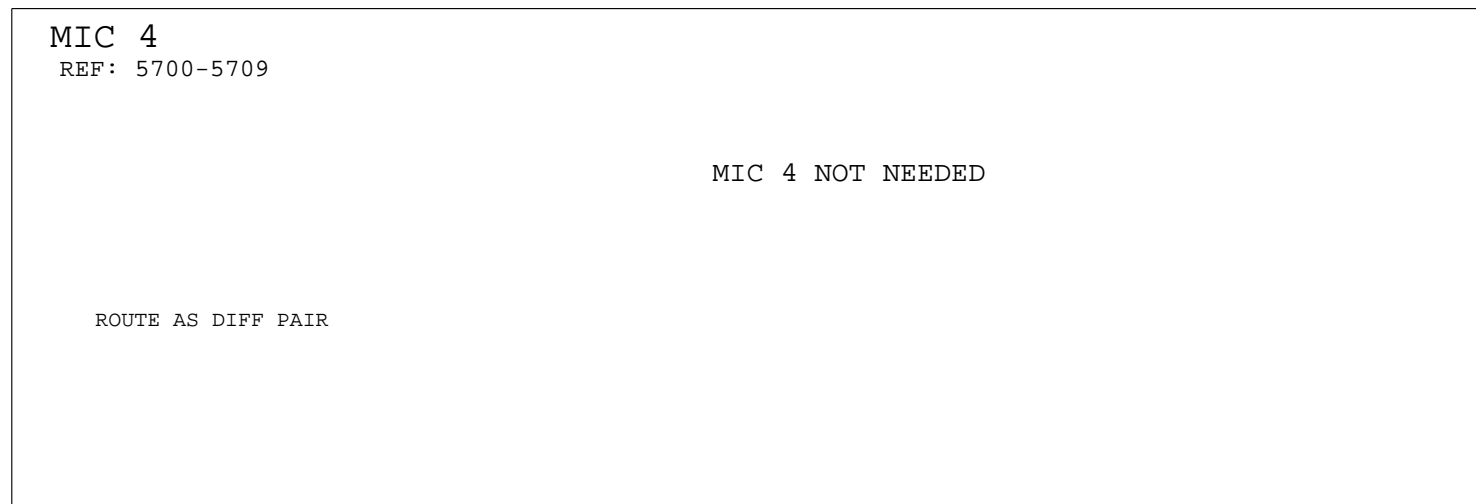
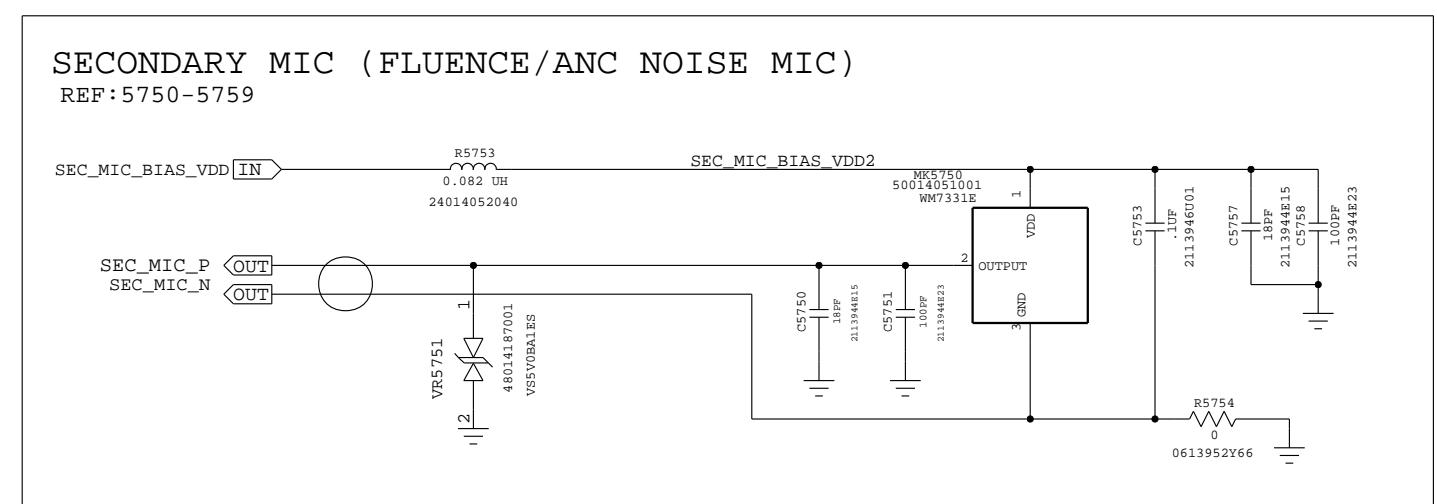
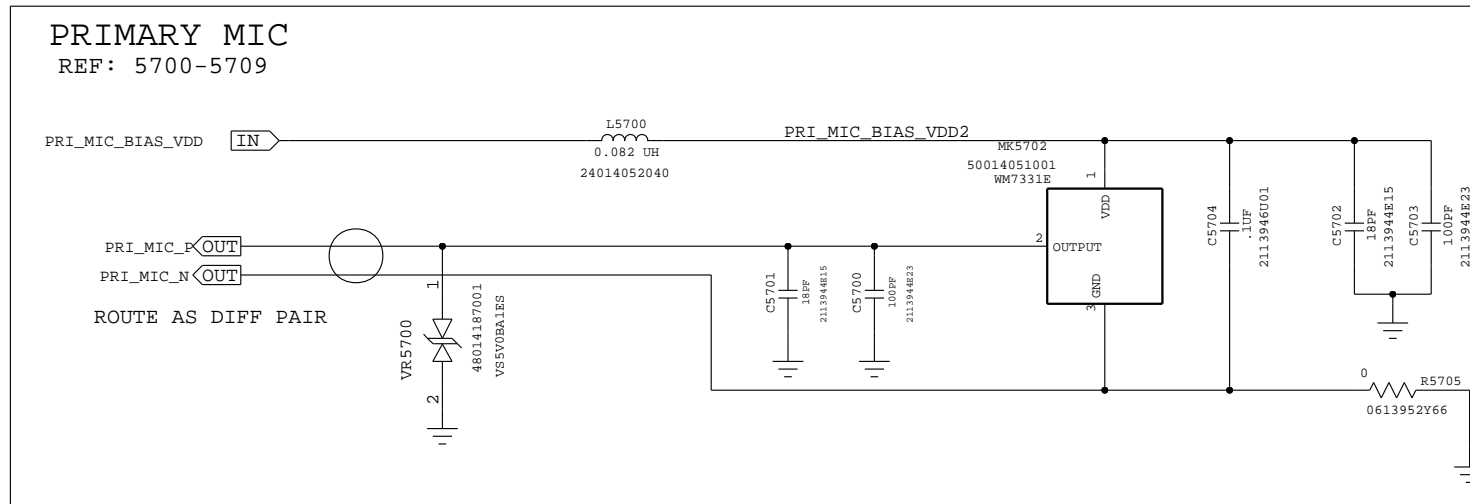
FUEL GAUGE



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI Mon Apr 27 11:29:02 2015		user_interface	
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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		CAD FILE NAME:	
		PAGE 40 OF 51	

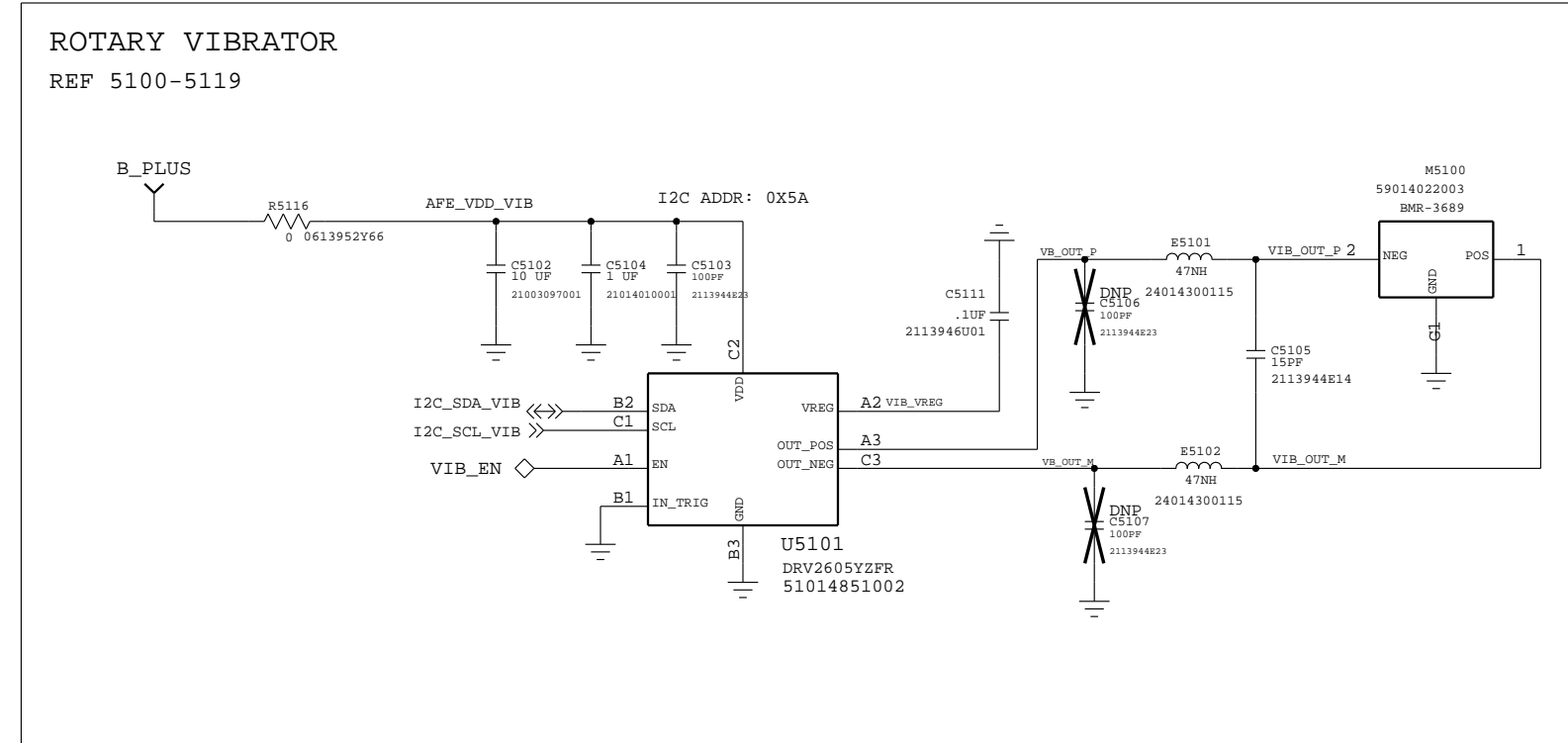
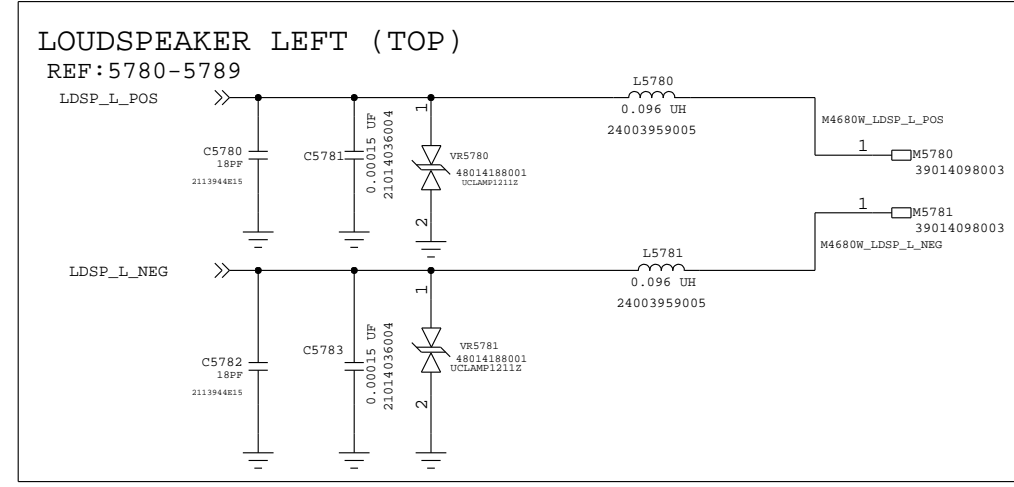
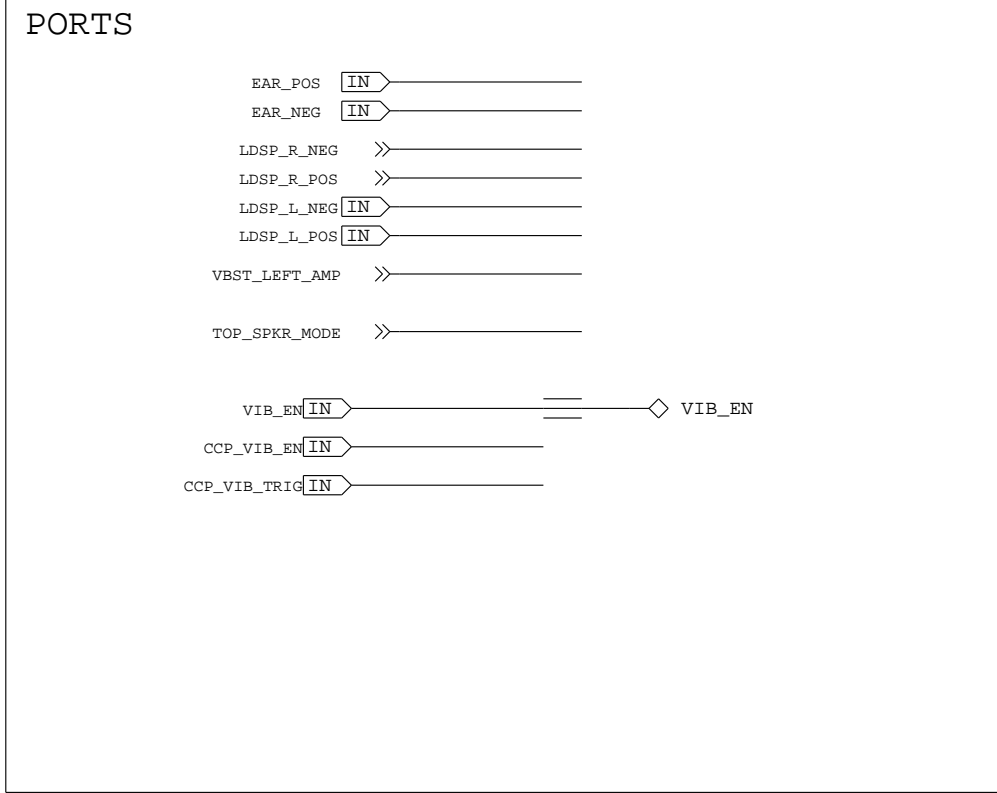
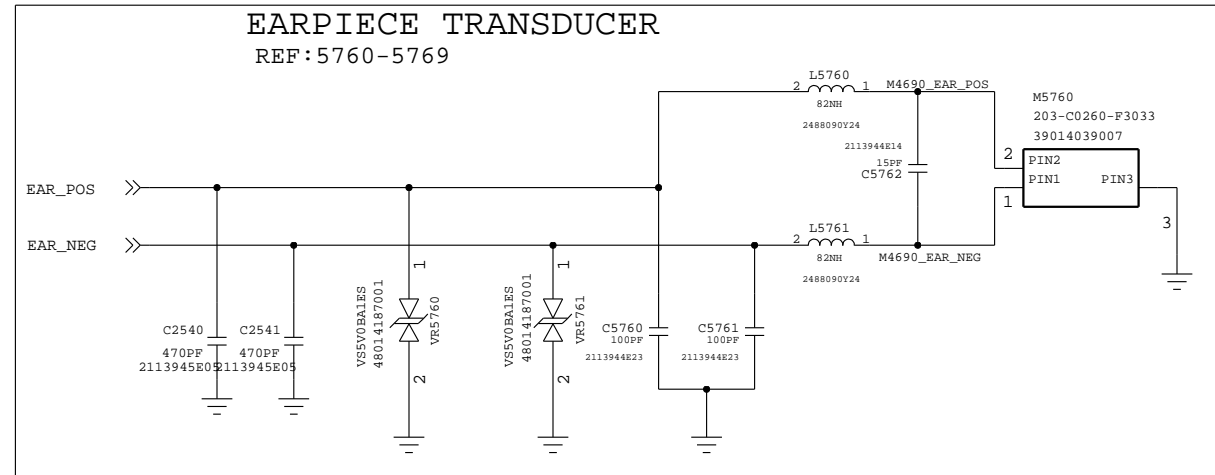
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APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: DENNIS BUDNICK		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:24 2015		audio_fe	
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		CAD FILE NAME:	
		PAGE 41 OF 51	

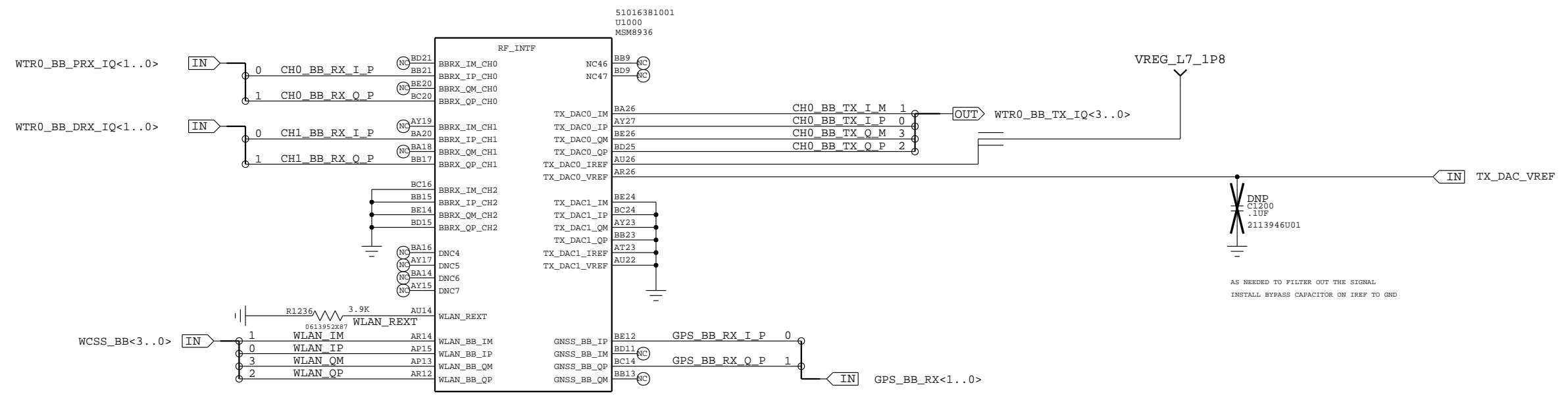
AFE: SPEAKERS



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: DENNIS BUDNICK		BLOCK TITLE:	
LAST MODIFIED BY: TIM MILLER Mon Apr 27 11:29:25 2015		audio_fe	
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		B 84016439001_a.cpm	01
CAD FILE NAME:		PAGE 42 OF 51	

MSM8X36 RF INTERFACE

REF 1200-1299



INFO: QC DOES NOT HAVE SOME BUSES SO SOME OF THE NAMES ARE COPIED FROM DVX

APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER:		BLOCK TITLE:	
LAST MODIFIED BY: FAN021 Mon Apr 27 11:28:55 2015		block_msm8x16_rf	
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		CAD FILE NAME:	
		PAGE 44 OF 51	

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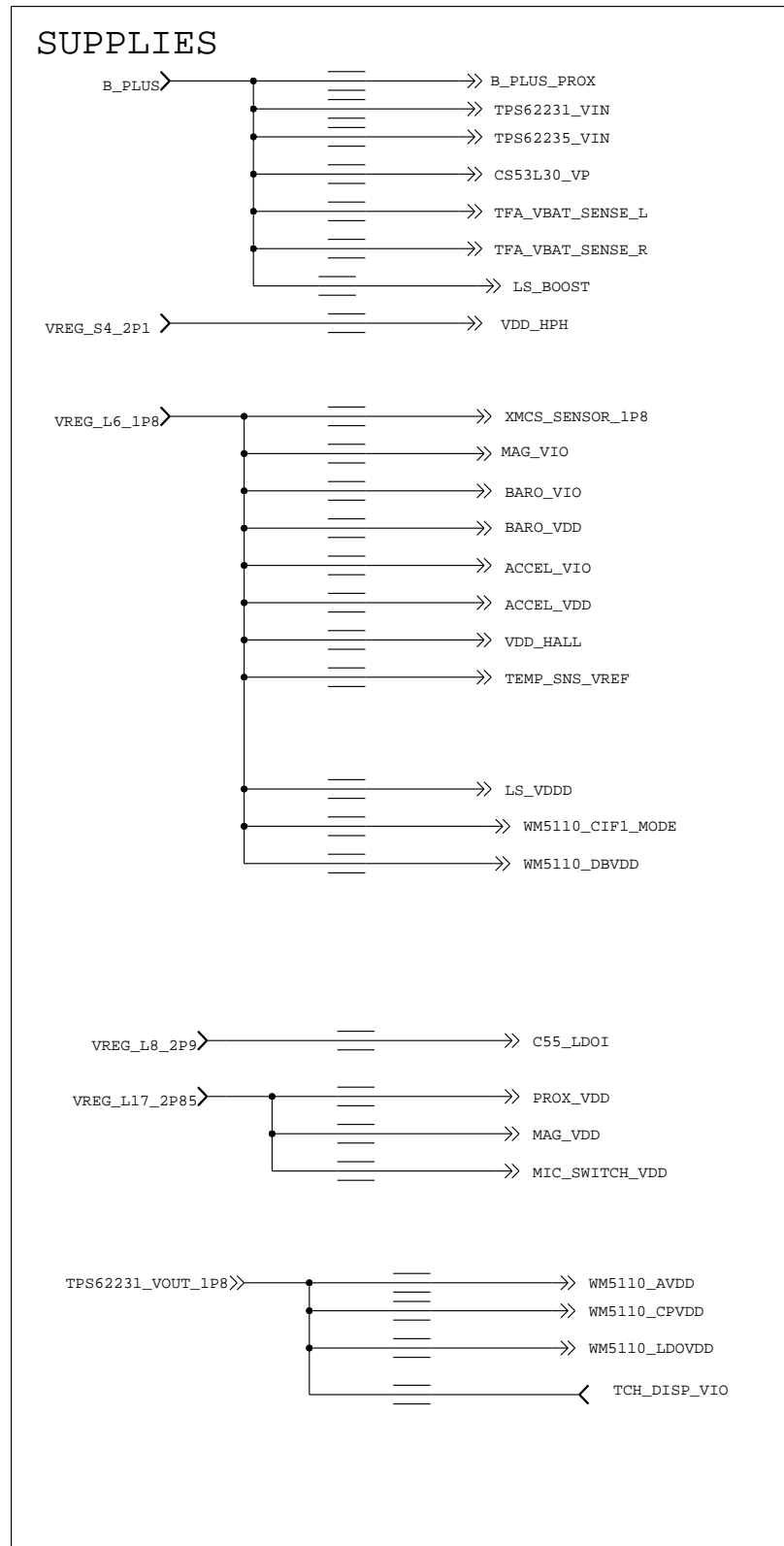
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XMCS: POWER

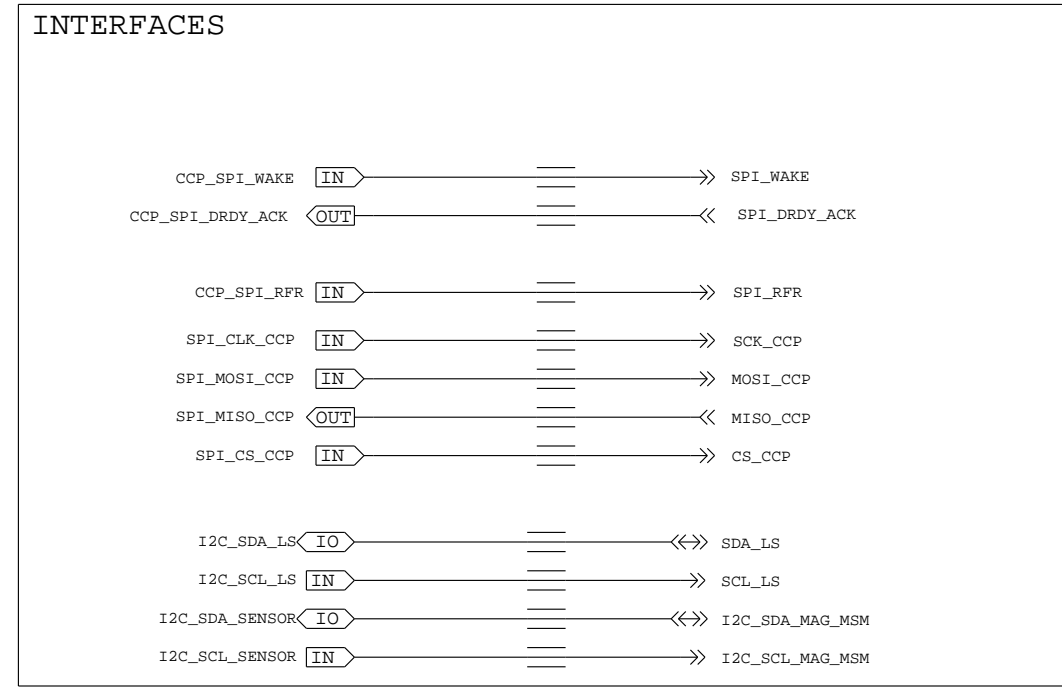
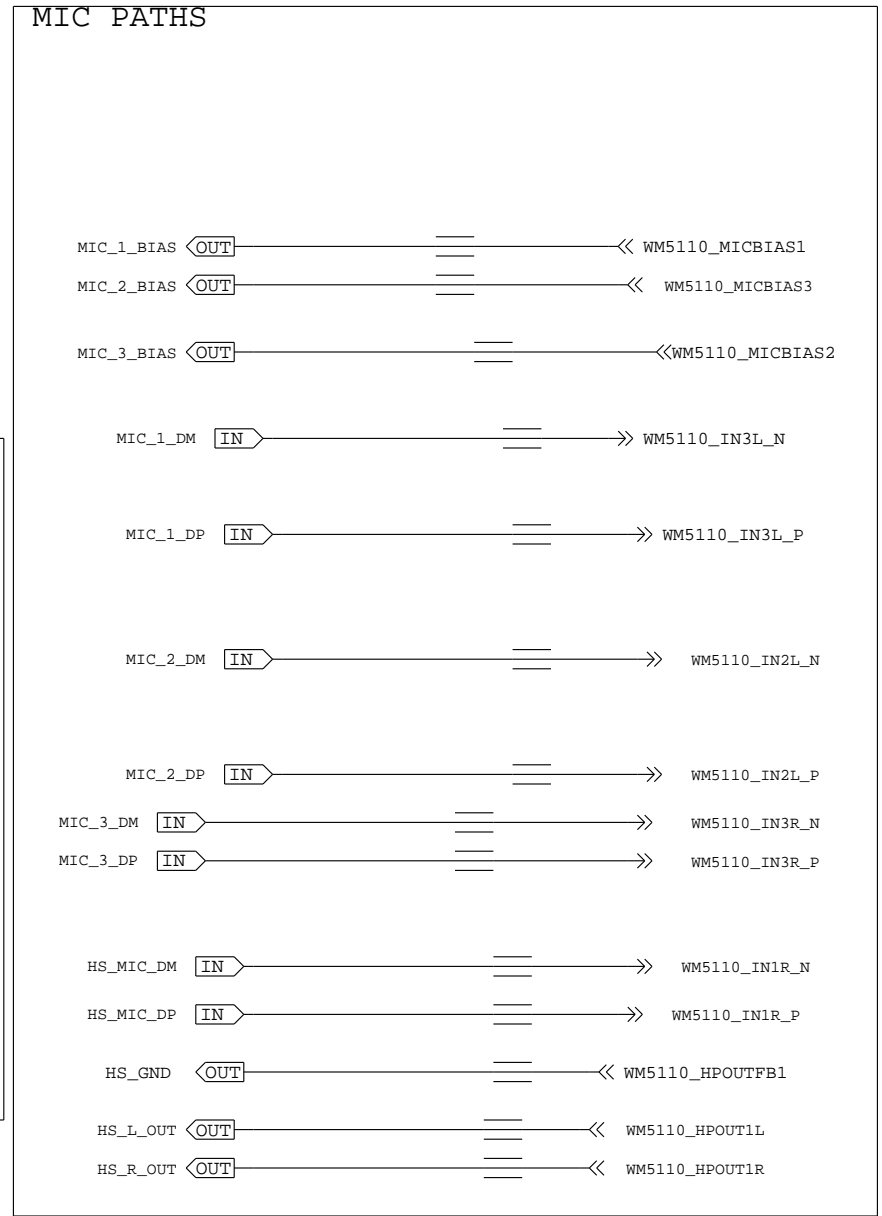
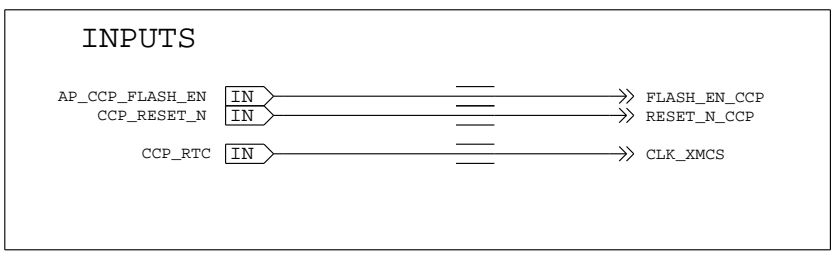
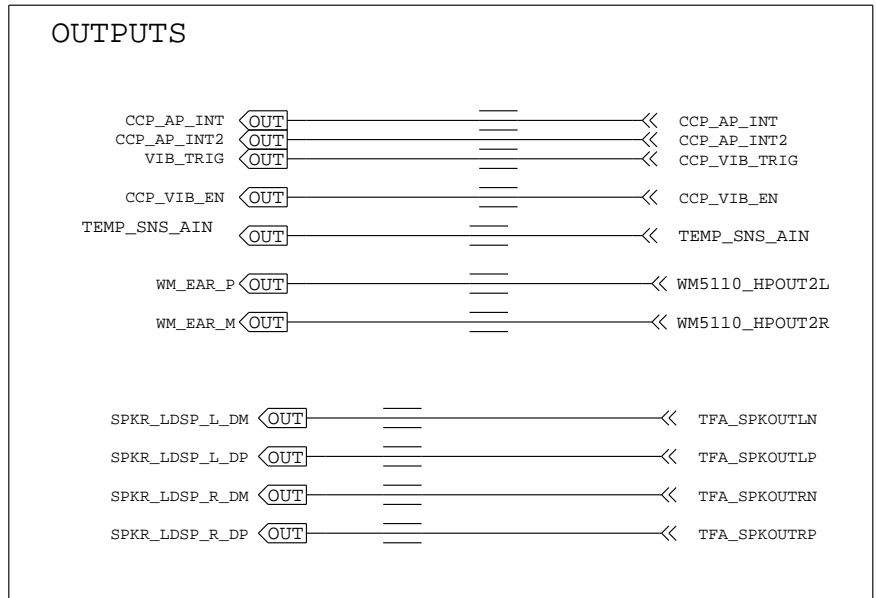
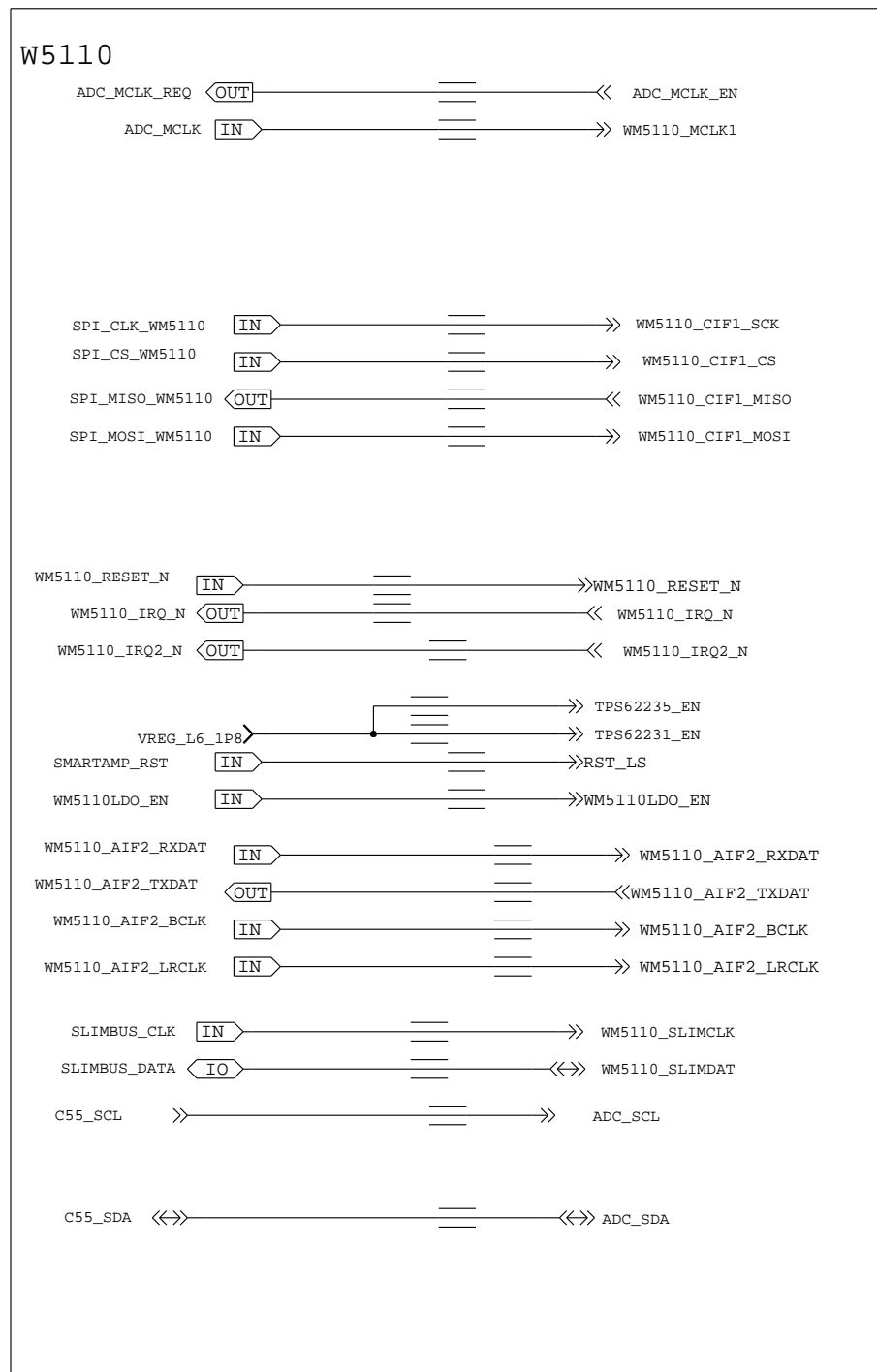
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APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: NATE CONNELL		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:16 2015		xmcs	
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		CAD FILE NAME:	
		PAGE 45 OF 51	

XMCS: PORTS

REF 6000-6999

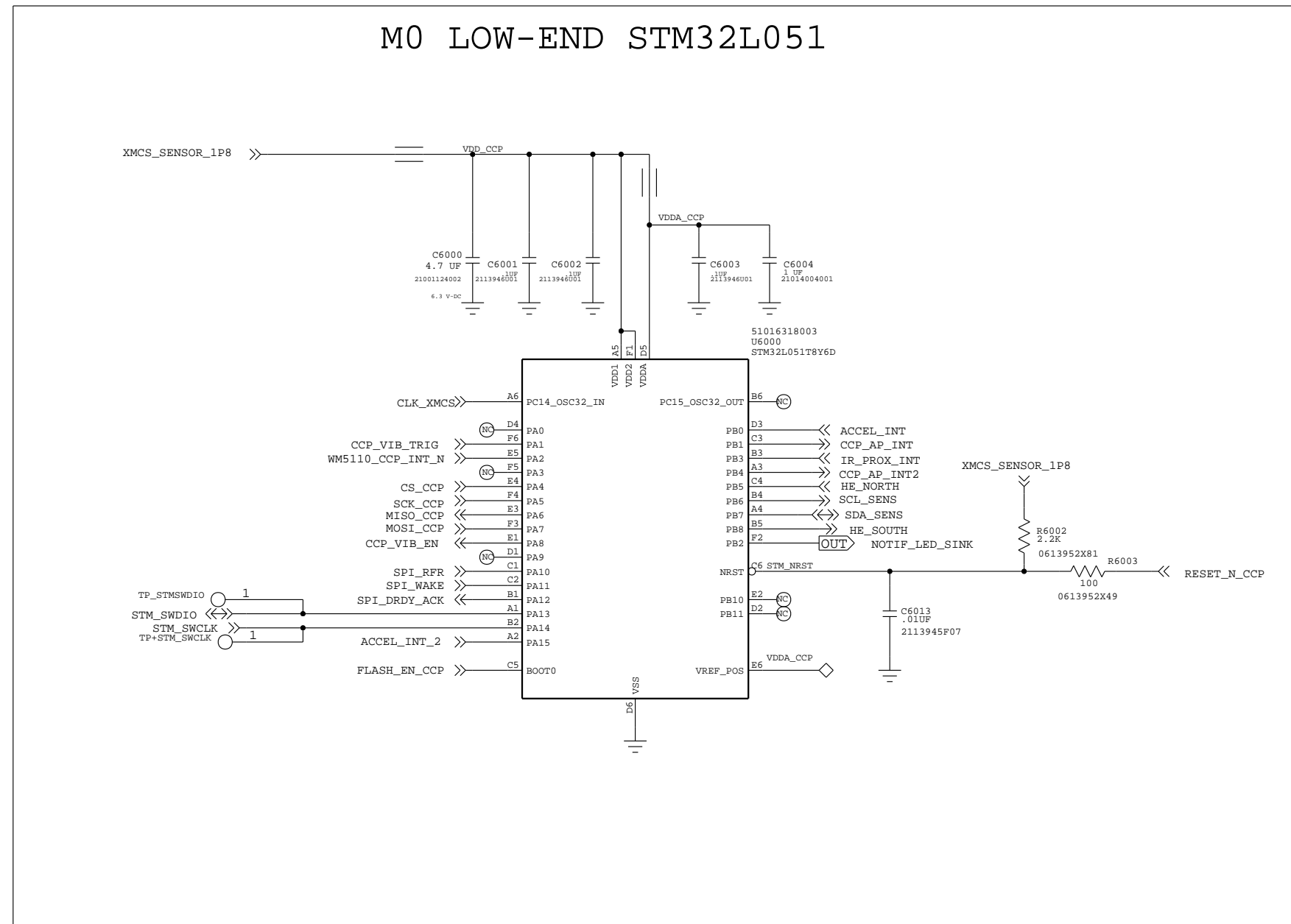


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ENGINEER: NATE CONNELL		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:17 2015		xmcs	
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		CAD FILE NAME:	
		PAGE 46 OF 51	

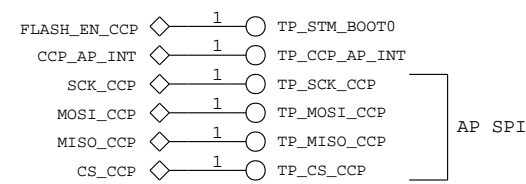
XMCS: CCP

REF: 6000-6049

M0 LOW-END STM32L051



TESTPOINTS

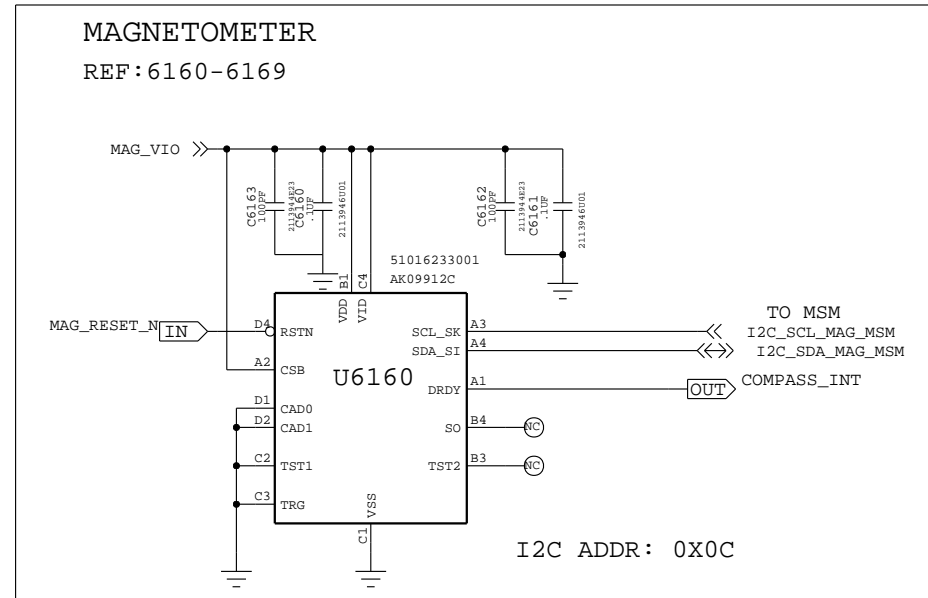


MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: JOHN GORSICA		BLOCK TITLE: xmcs	
LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:18 2015		PROJECT NAME 84016439001_a.cpm	
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		CAD FILE NAME:	
		PAGE 47 OF 51	

XMCS: SENSORS

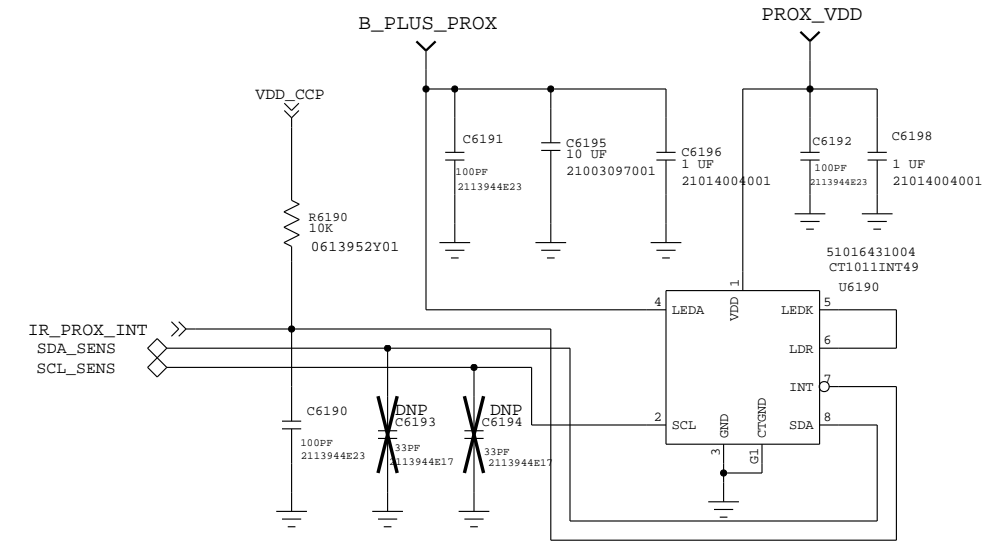
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PROX SENSOR/ALS INTERFACE

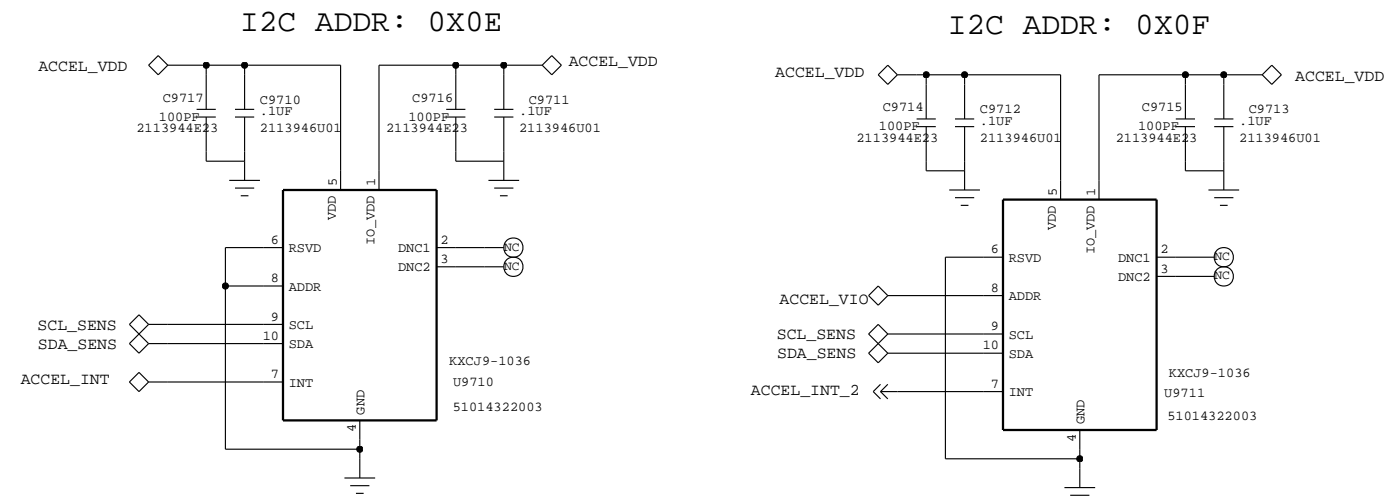
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I2C ADDR: 0X39



ACCELEROMETER

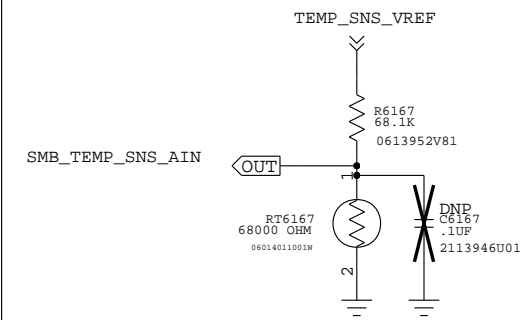
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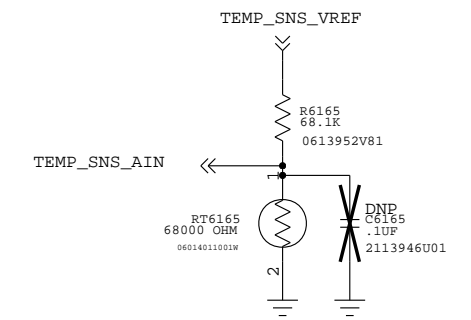
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REF: 6150-6159

CHRG TEMP SENSOR

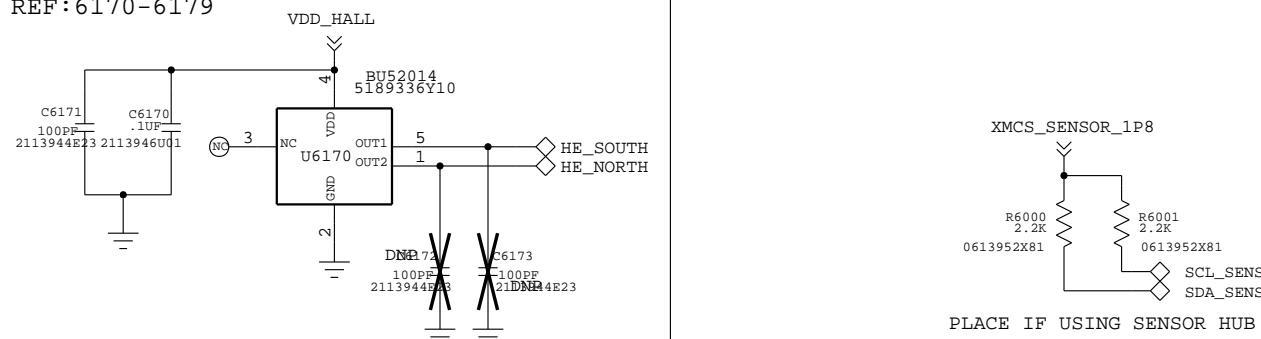


BOARD TEMP SENSOR



HALL EFFECT

REF: 6170-6179



JOHN GORSICA/NATE CONNELL APPROVALS



ENGINEER: C HERNANDEZ

BLOCK TITLE:

LAST MODIFIED BY: C HERNANDEZ

xmcs

Mon Apr 27 11:29:18 2015

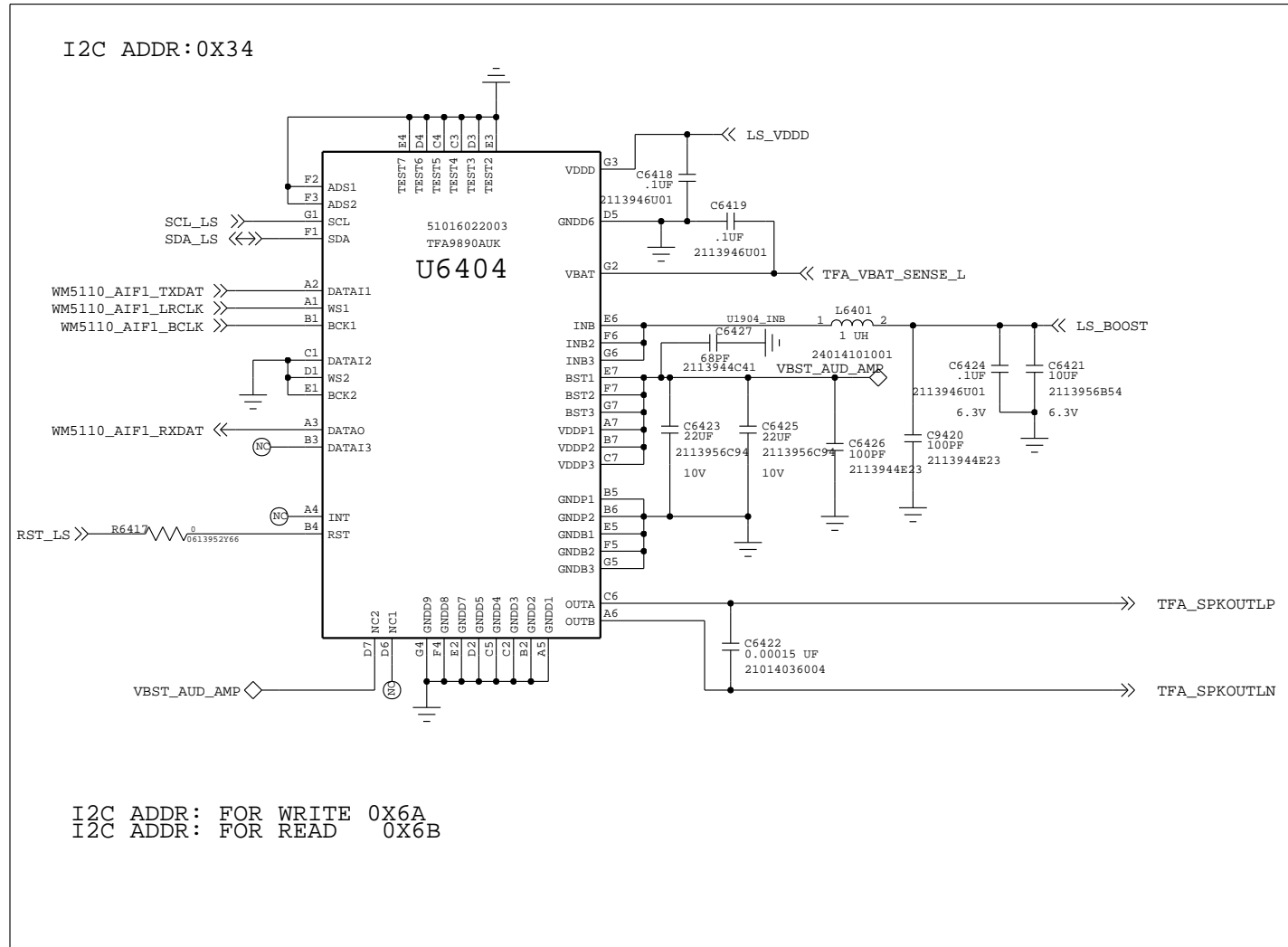
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PROJECT NAME: 8401643900BBAGOPCHIE REV: 01

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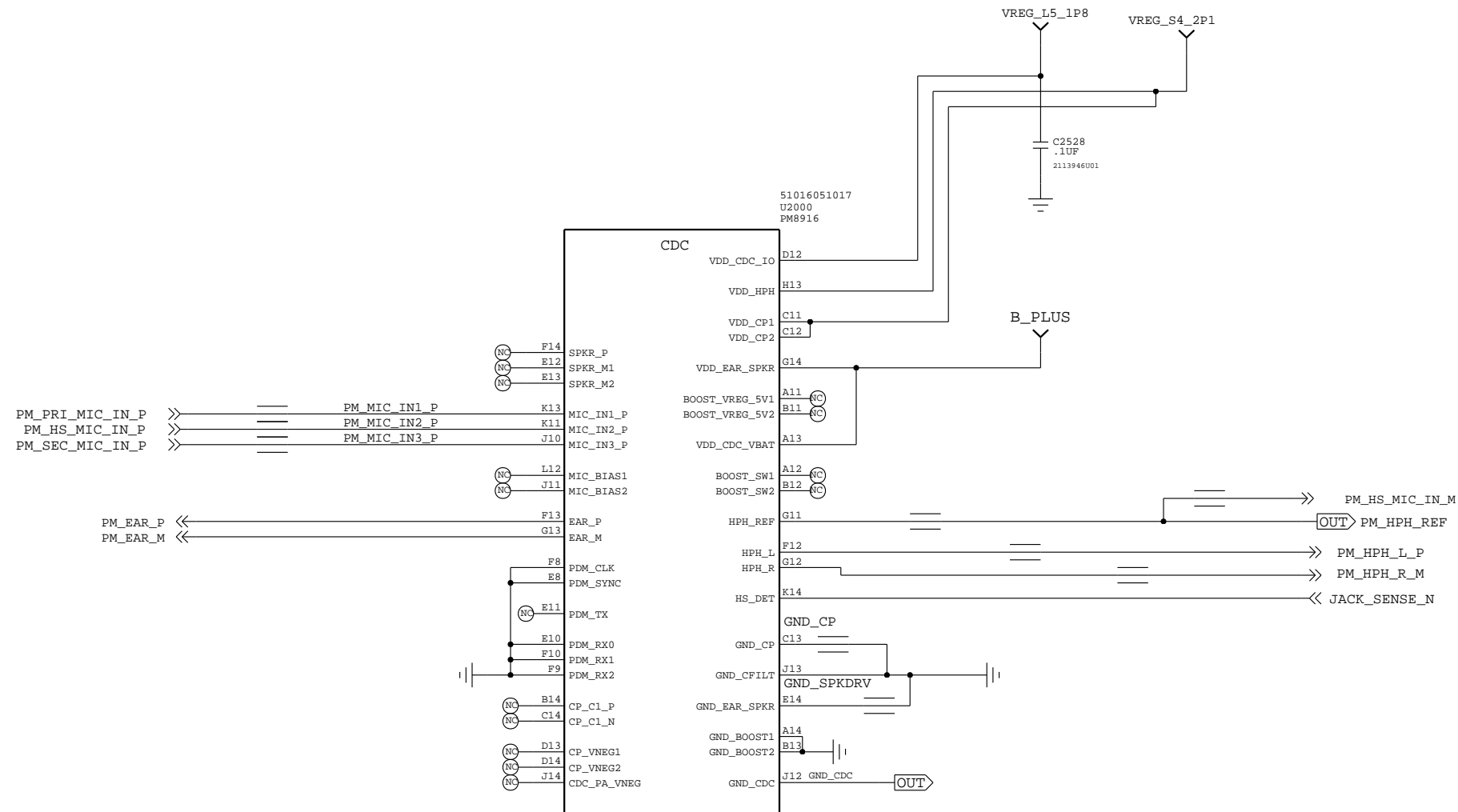
XMCS: LOUD SPEAKER
REF 6400-6499



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: W00281		BLOCK TITLE:	
LAST MODIFIED BY: W00281 Mon Apr 27 11:29:19 2015		xmcs	
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			REV 01
		CAD FILE NAME:	
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PM8916: CODEC

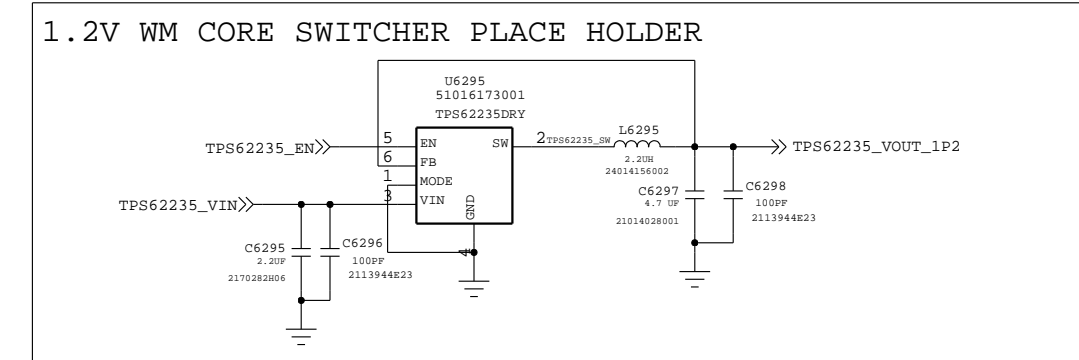
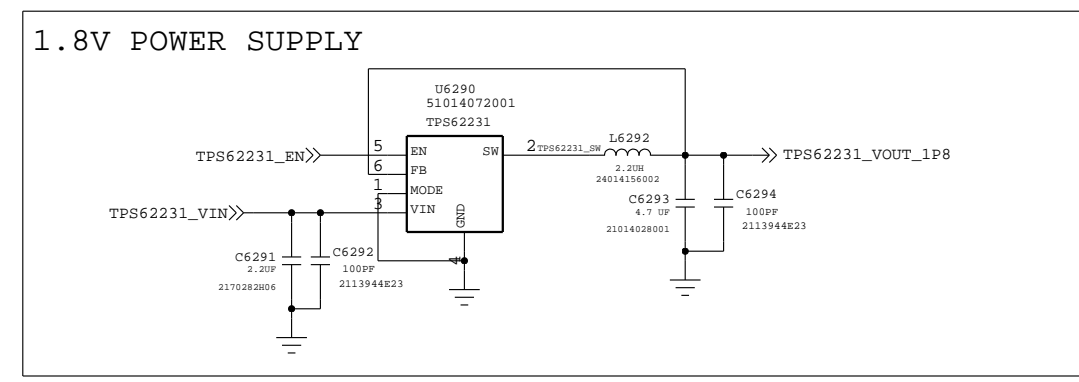
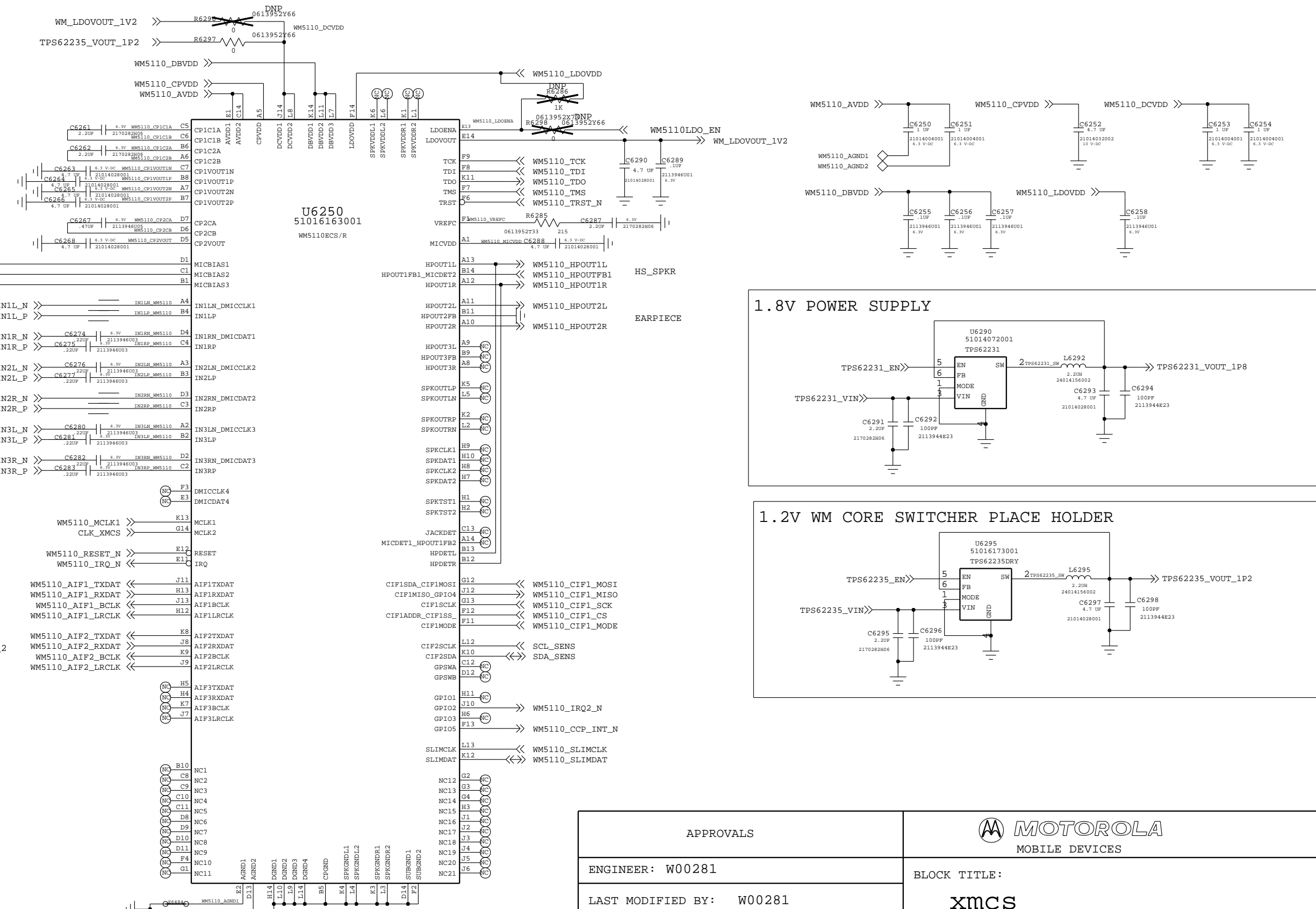
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ENGINEER: W00281		BLOCK TITLE:	
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		CAD FILE NAME:	
		PAGE 50 OF 51	

XMCS: CODEC

REF 6250-6299



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: W00281		BLOCK TITLE:	
LAST MODIFIED BY: W00281 Mon Apr 27 11:29:20 2015		xmcs	
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