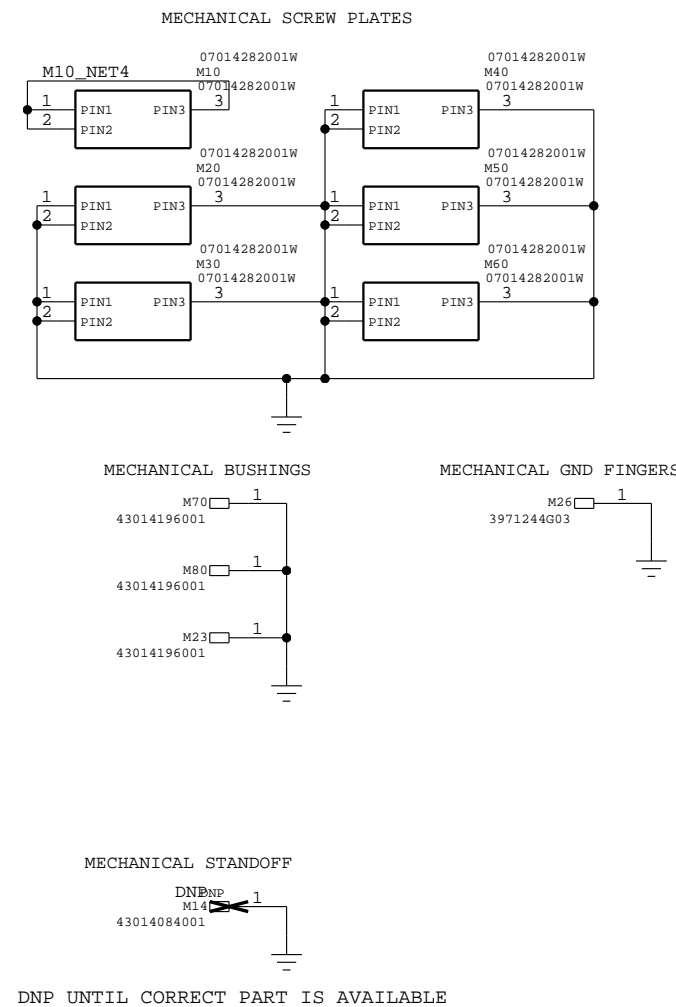
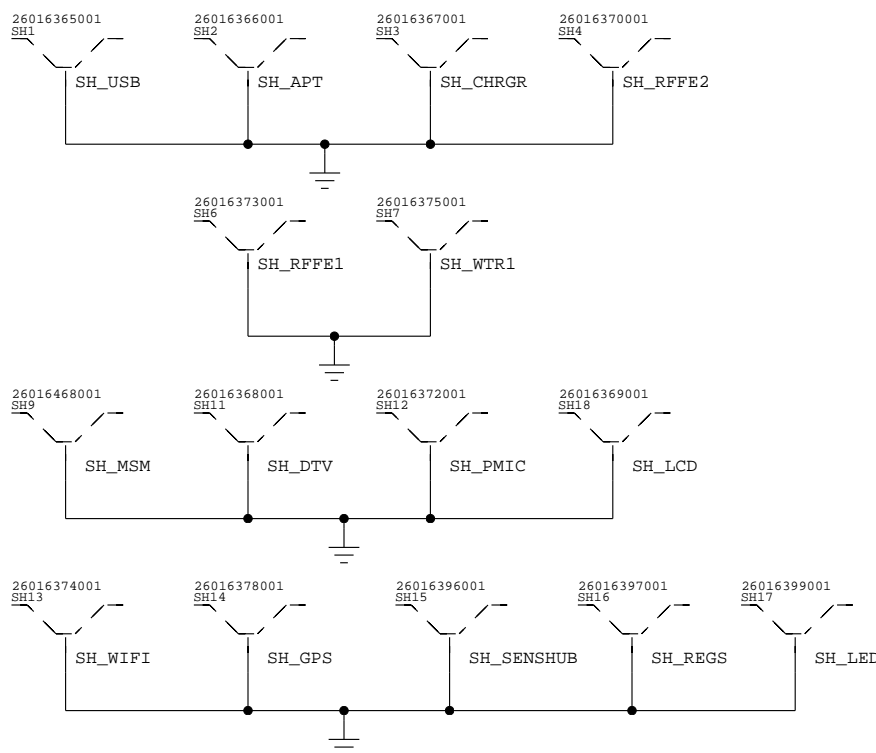




# CALLISTO A ME/SHIELDS

## CALLISTO 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:
- 9000-9999: PRODUCT-SPECIFIC (FILTERING, 100PF CAPS)



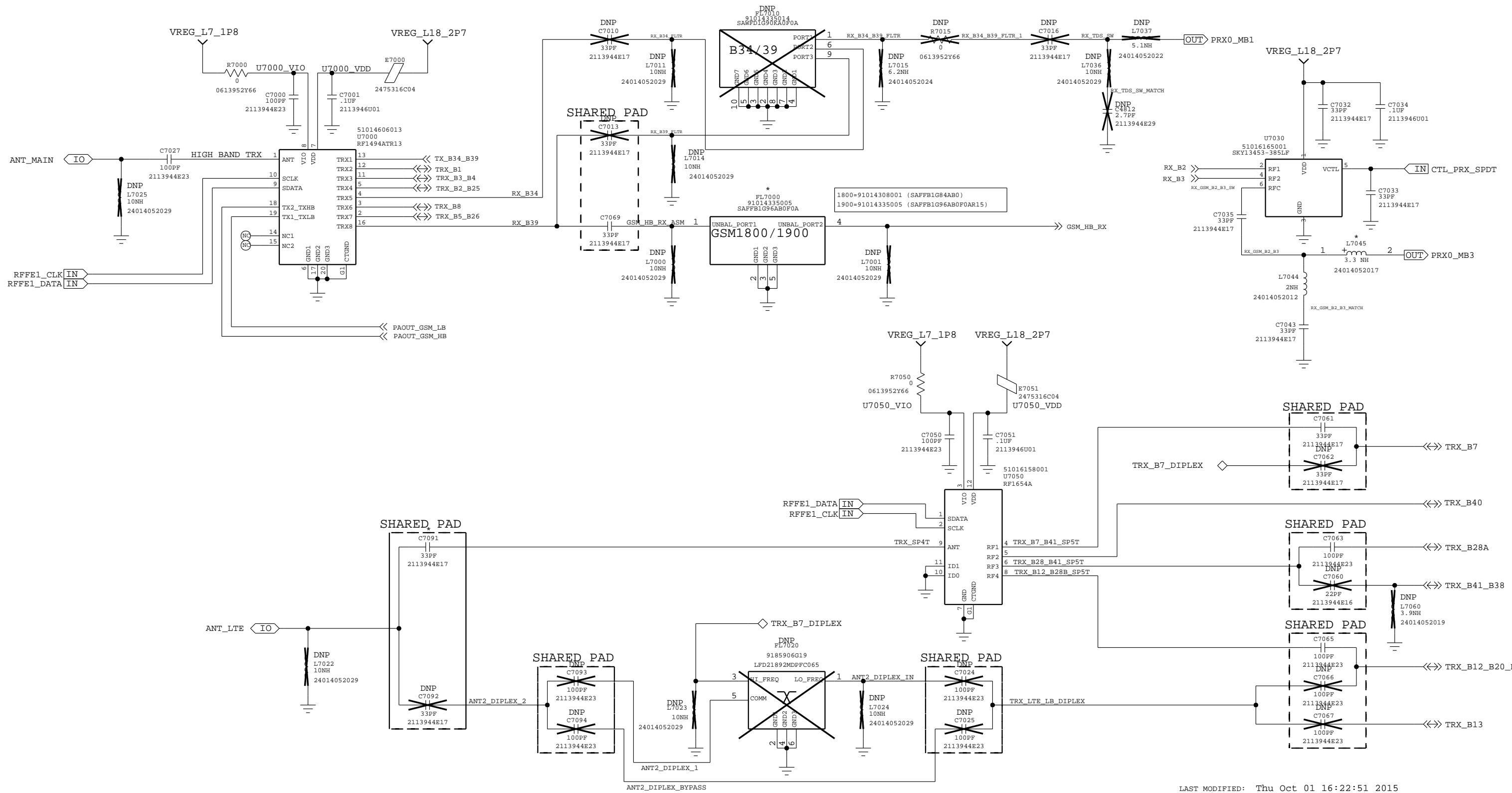
MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER:		BLOCK TITLE:	
LAST MODIFIED BY: Thu Oct 01 16:22:36 2015		84016525	
MOTOROLA CONFIDENTIAL RESTRICTED 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		PROJECT NAME	REV
		B 84016525.cpm	C
CAD FILE NAME:		PAGE 2 OF 47	

# RFFE:SP10T+SP4T

REF 7000-7099

REVISIONS				
REV	ECN	DESCRIPTION	MADE BY	APPROVED



LAST MODIFIED: Thu Oct 01 16:22:51 2015

DRAWING NUMBER: <b>84</b>			
DRAWN BY:	DATE:	TITLE:	REV C
LEAD ENGINEER:	DATE:		SIZE B
ASSY NUMBER:	PCB FILE NAME:	PAGE 3 OF 47	

MOTOROLA CONFIDENTIAL RESTRICTED



# RFFE:HBPA

REF 7300-7399

D

C

B

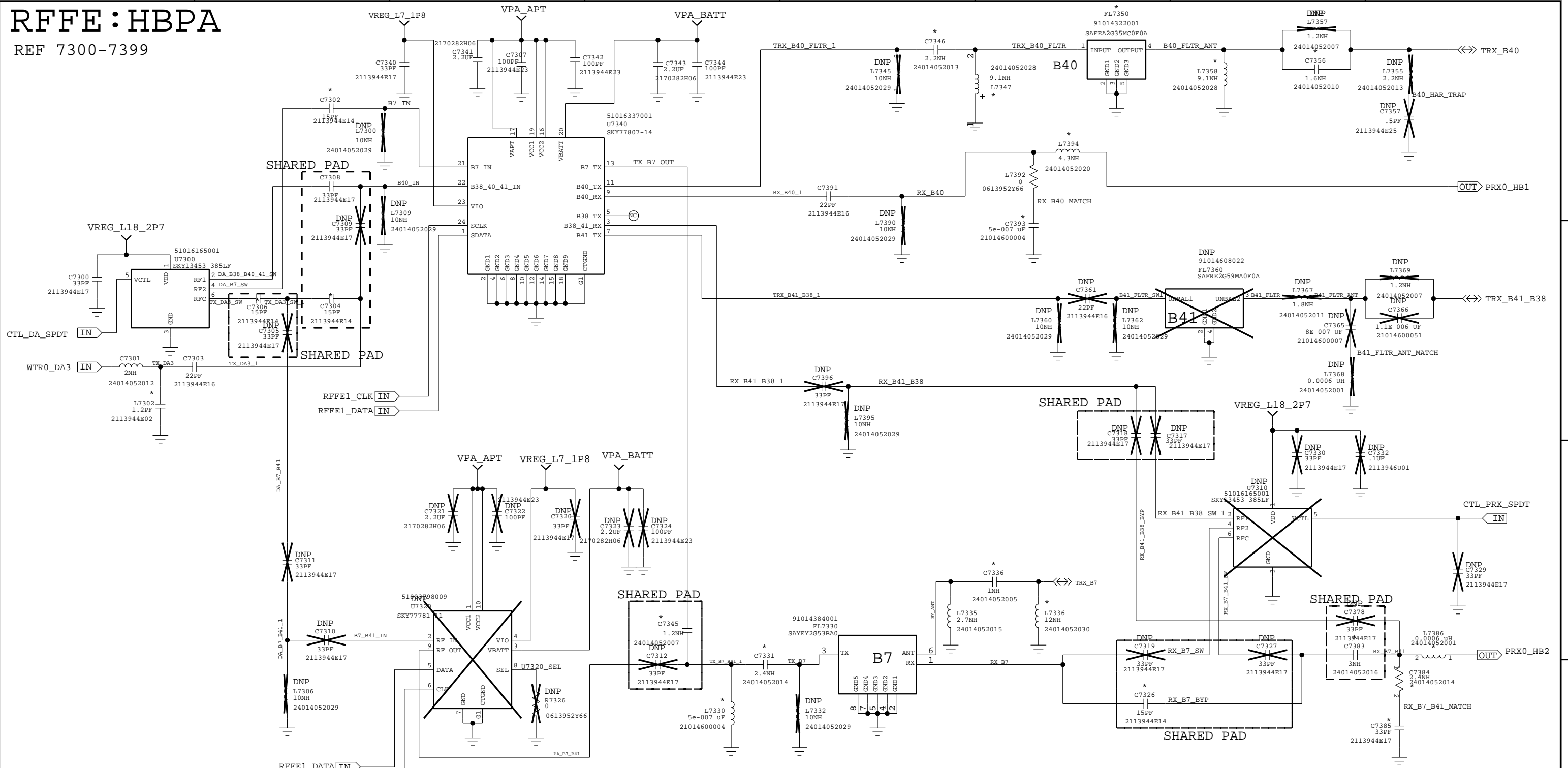
A

D

C

B

A

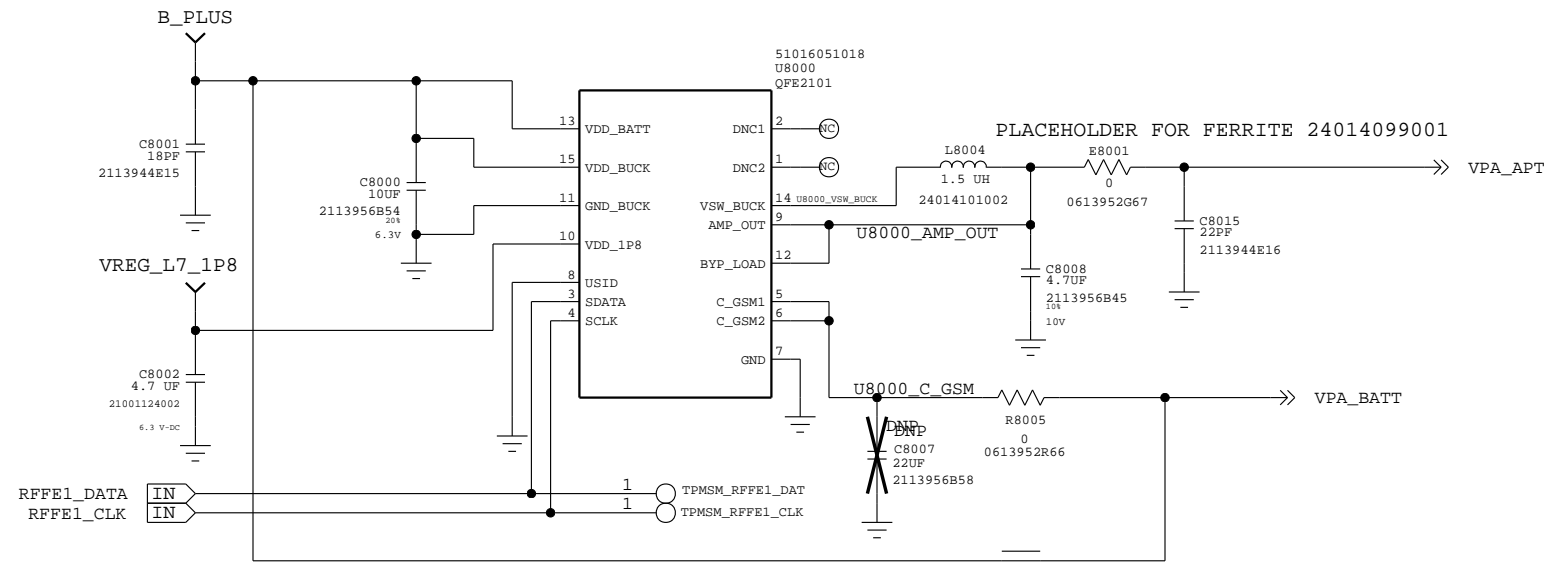


FOR MULTIPLE VENDOR CAPATIBILITY  
B7=SKY7781-11, R7326=PLACED

APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI Thu Oct 01 16:22:46 2015		block_rffe	
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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		CAD FILE NAME:	
		PAGE 5 OF 47	



RFFE:QFE2101  
REF 8000-8020



BYPASS OPTION FOR VPA\_VBATT  
DNP APPROPRIATELY

APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI Thu Oct 01 16:22:52 2015		block_rffe	
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		CAD FILE NAME:	
		PAGE 7 OF 47	

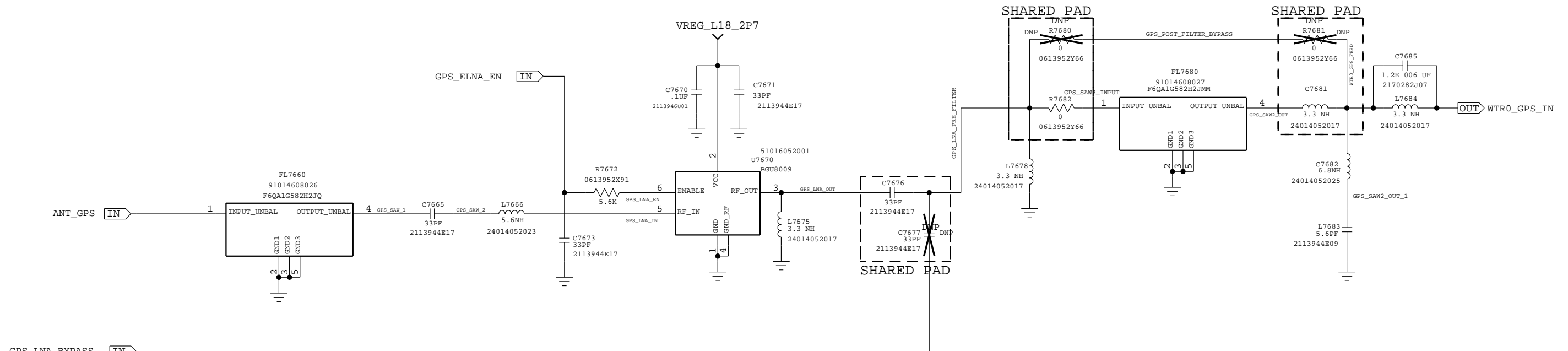




# RFFE: GPS

REF 7650-7699

## GPS



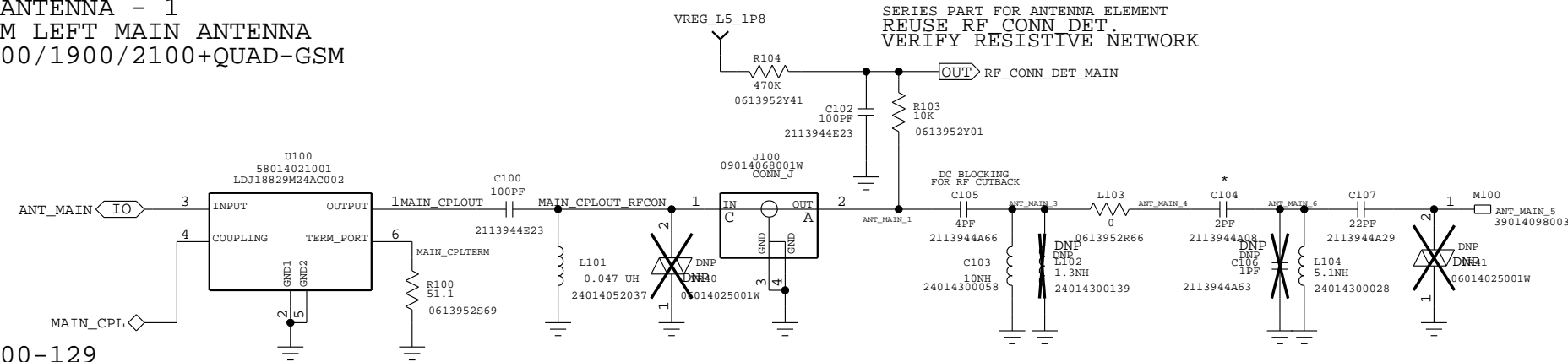
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LAST MODIFIED BY: MMI Wed Apr 07 06:22:48 2015		block_rffe	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME B 84016525.cpm	REV C
		CAD FILE NAME:	
		PAGE 9 OF 47	

# ANTENNAS

REF 000-499

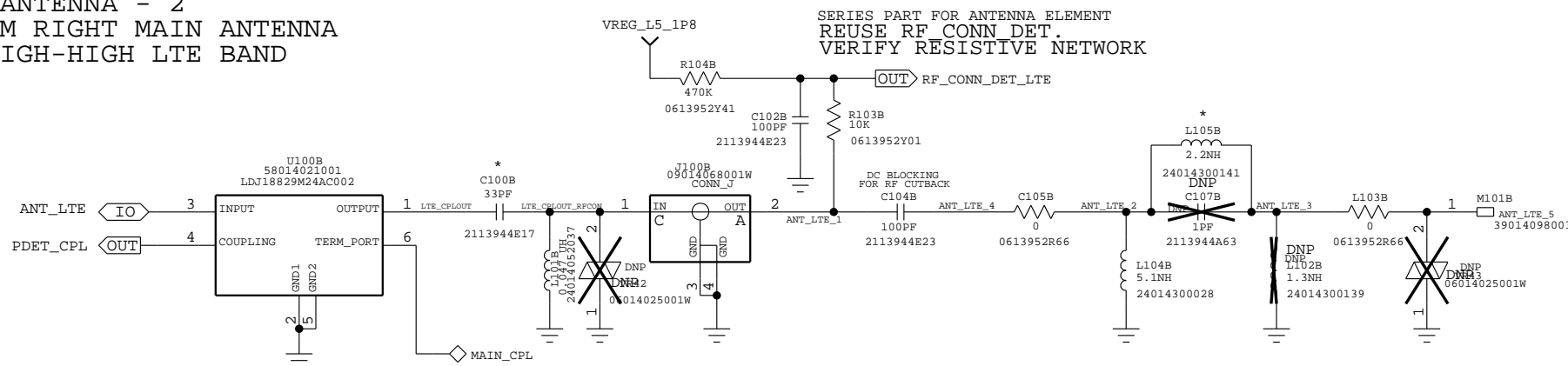
REVISIONS				
REV	ECN	DESCRIPTION	MADE BY	APPROVED

MAIN ANTENNA - 1  
BOTTOM LEFT MAIN ANTENNA  
850/900/1900/2100+QUAD-GSM



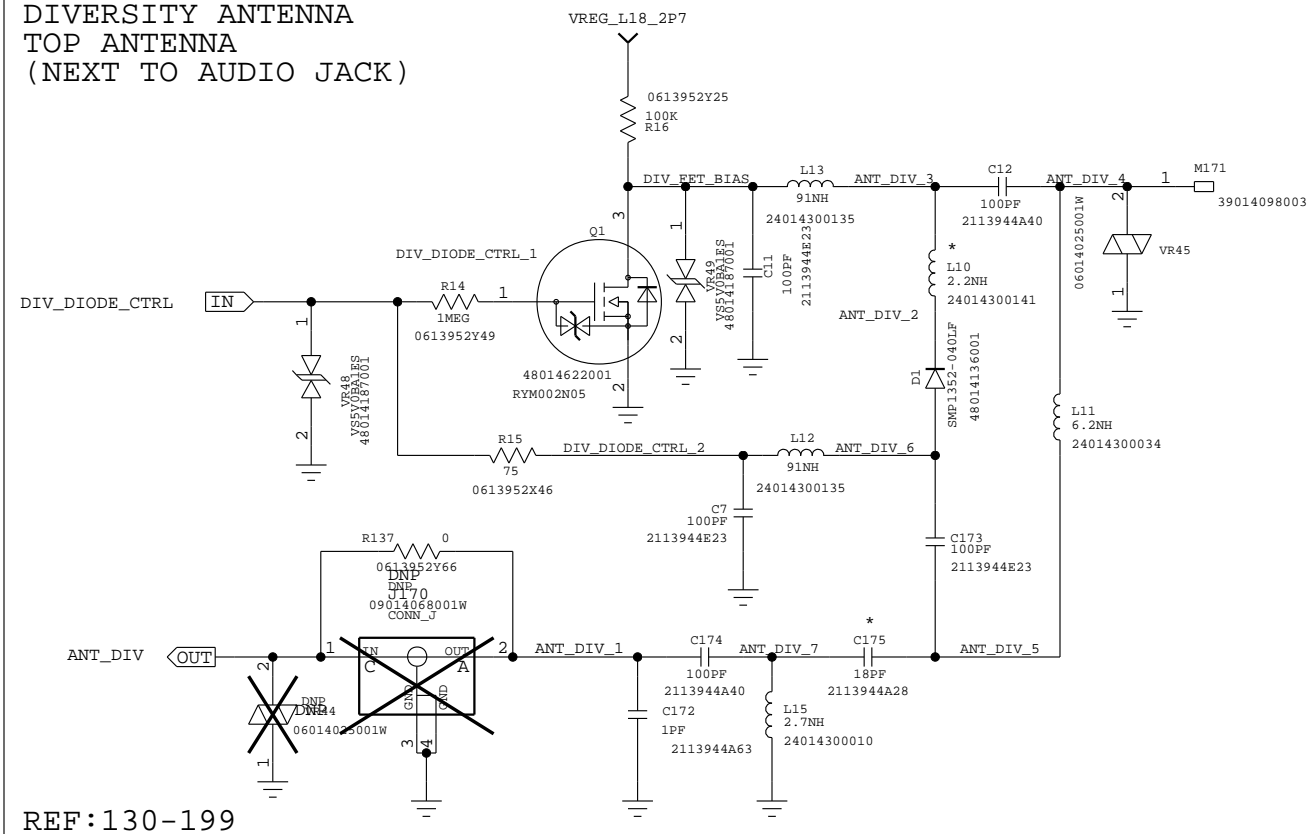
REF:100-129

MAIN ANTENNA - 2  
BOTTOM RIGHT MAIN ANTENNA  
LOW/HIGH-HIGH LTE BAND

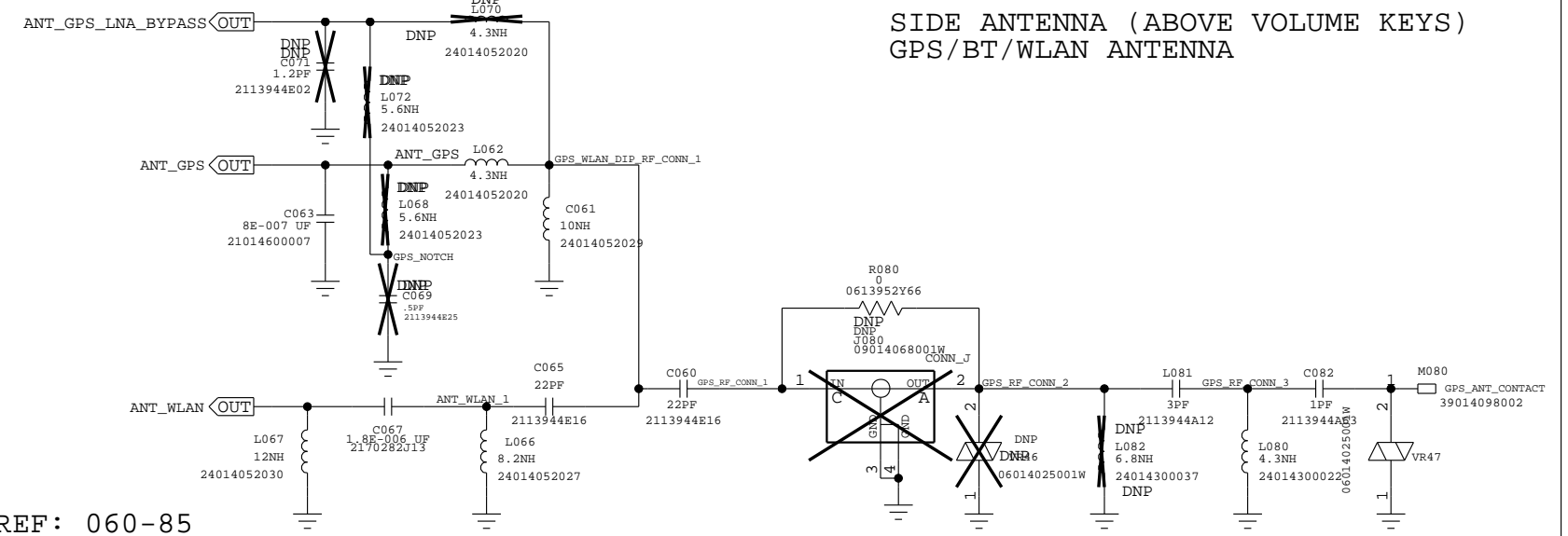


REF:100B-129B

DIVERSITY ANTENNA  
TOP ANTENNA  
(NEXT TO AUDIO JACK)



REF:130-199



REF: 060-85

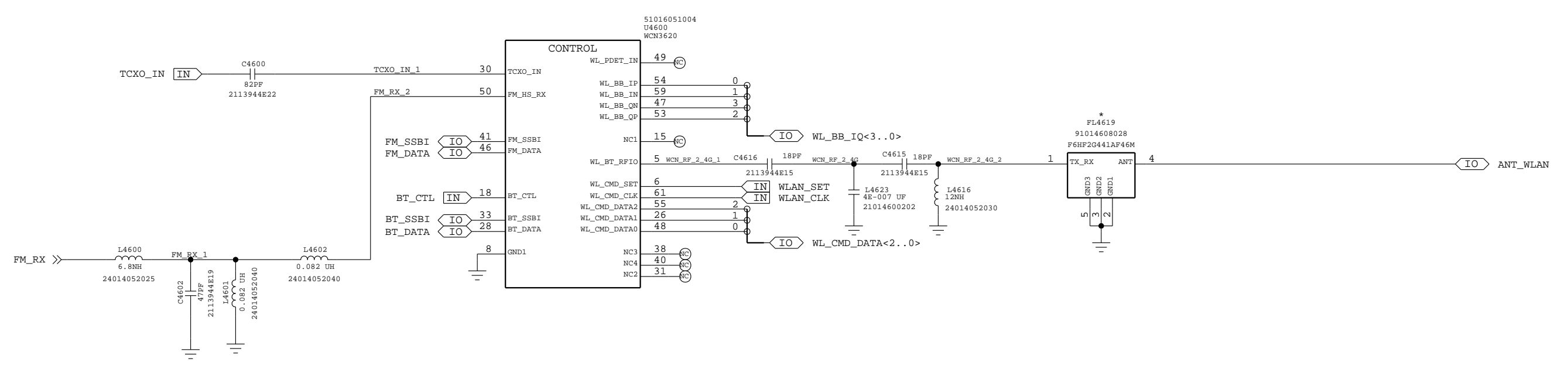
SIDE ANTENNA (ABOVE VOLUME KEYS)  
GPS/BT/WLAN ANTENNA

LAST MODIFIED: Thu Oct 01 16:22:53 2015

DRAWING NUMBER: <b>84</b>			
DRAWN BY:	DATE:		
LEAD ENGINEER:	DATE:		SIZE B
ASSY NUMBER:	PCB FILE NAME:	PAGE 10 OF 47	

# WCN3620 RF/CTRL

REF 4600-4699

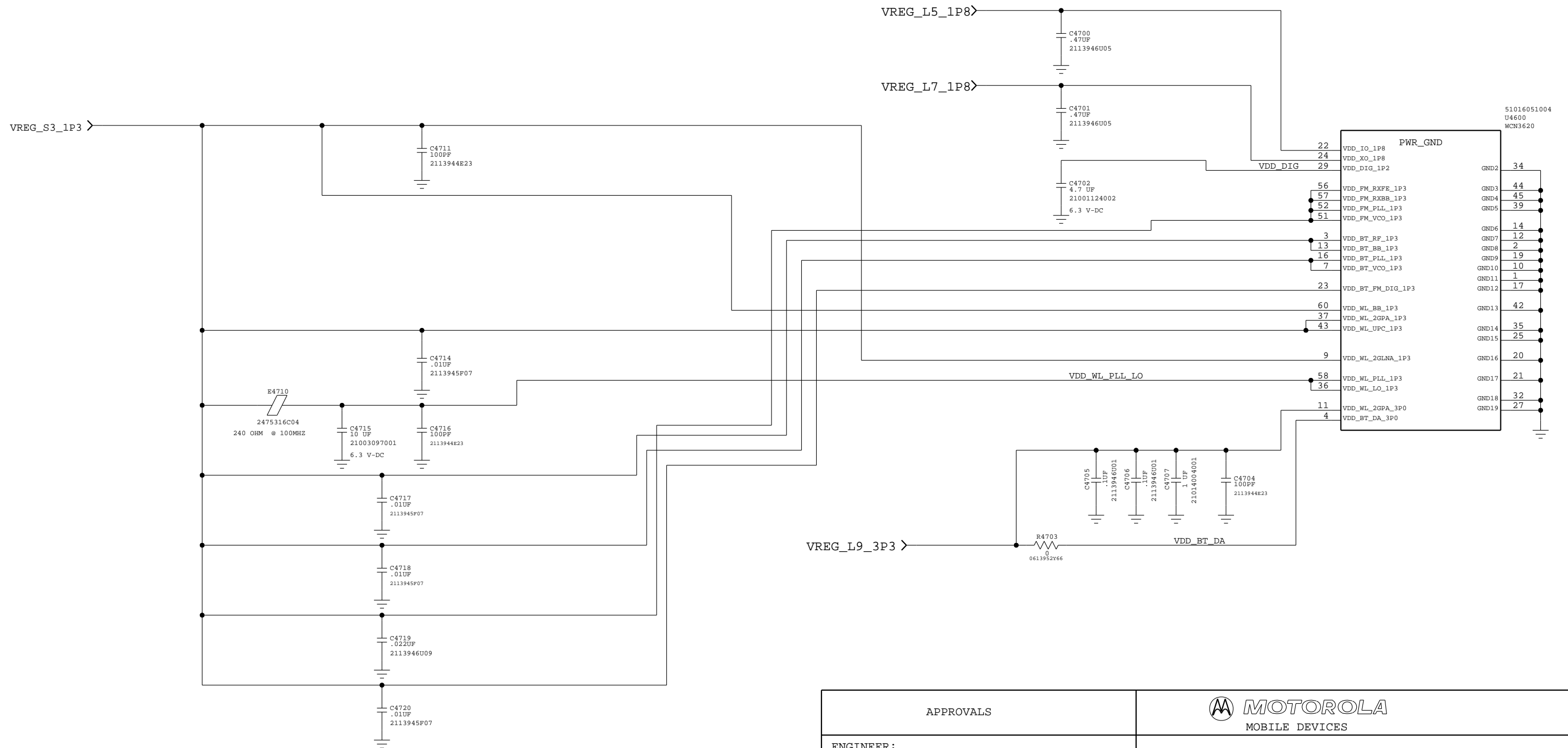


BASED ON 80-WL006-44 REV C

APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FROEHLING Thu Oct 01 16:22:54 2015		connectivity	
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		CAD FILE NAME :	
		PAGE 11 OF 47	

# WCN3620 POWER

REF 4700-4749

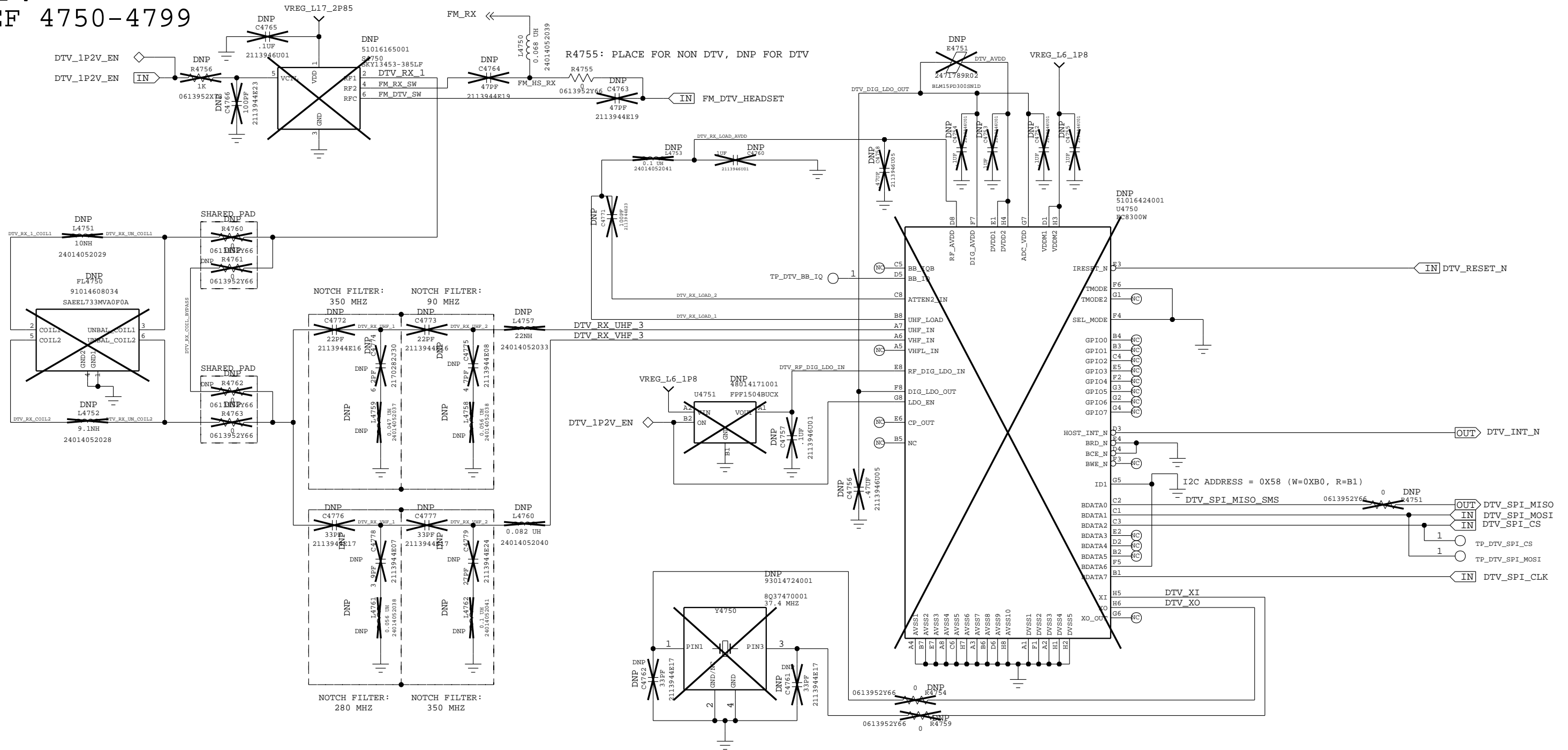


BASED ON 80-WL006-44 REV C

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ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FROEHLING Thu Oct 01 16:22:56 2015		connectivity	
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		CAD FILE NAME :	PAGE 12 OF 47

# DTV

## REF 4750-4799



### APPROVALS

ENGINEER :

LAST MODIFIED BY: GSHIMON  
Thu Oct 01 16:22:55 2015

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BLOCK TITLE:

connectivity

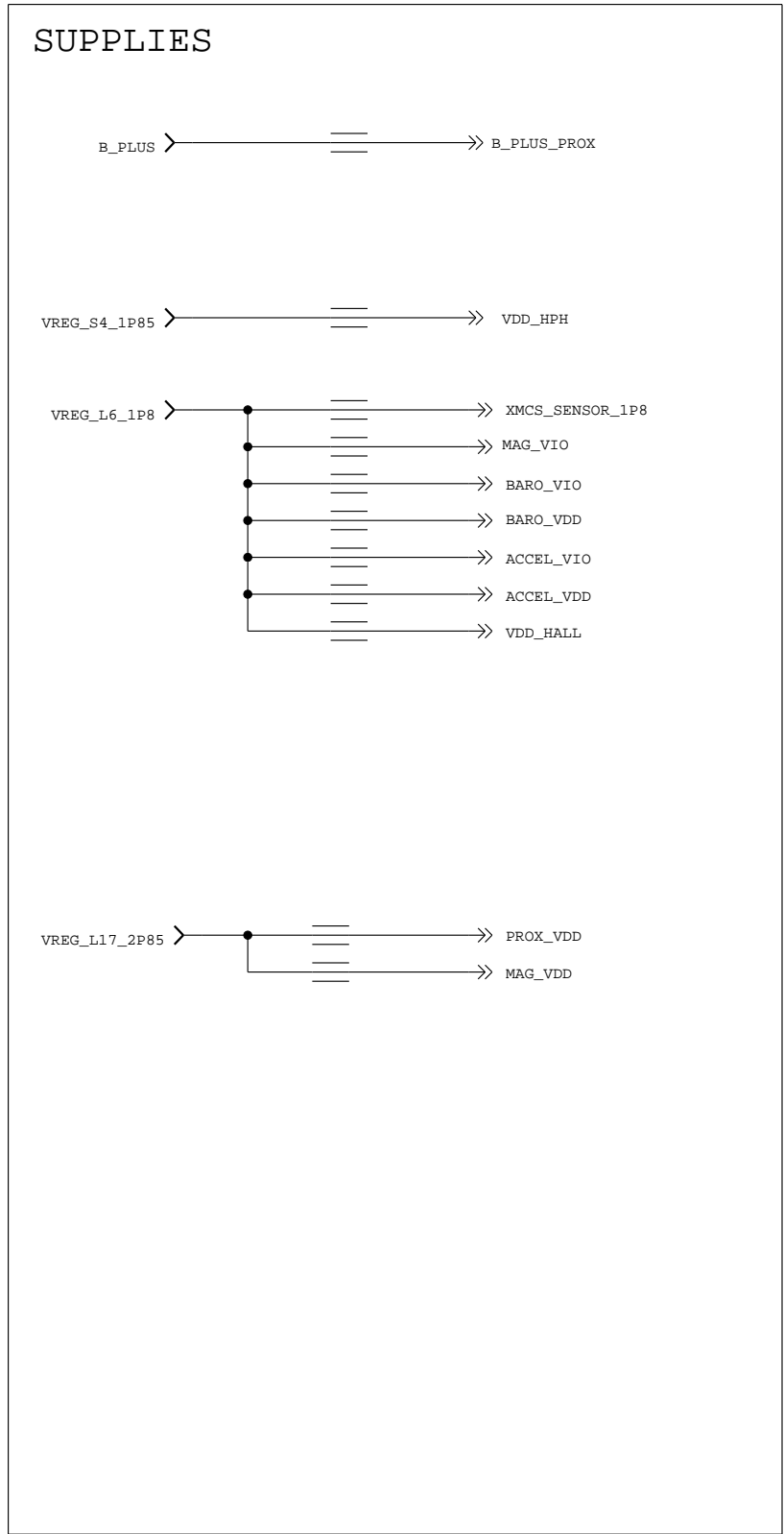
PROJECT NAME  
B 84016525.cpm

CAD FILE NAME:

REV  
C

# XMCS: POWER

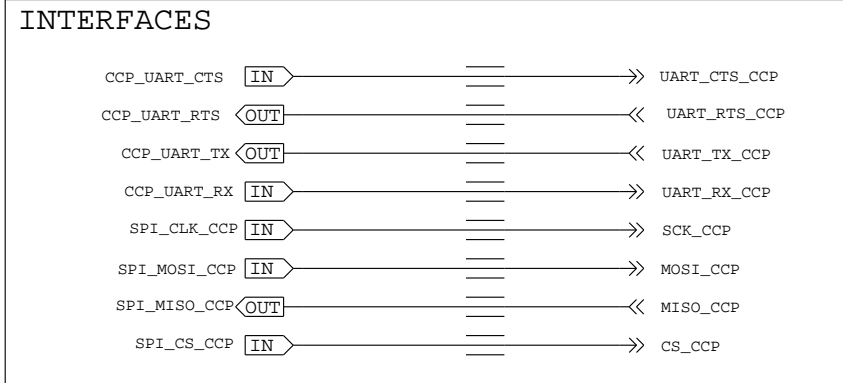
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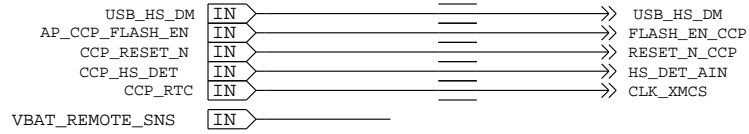
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ENGINEER: NATE CONNELL		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Tue Aug 11 13:53:04 2015		<b>xmcs</b>	
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		CAD FILE NAME:	
		PAGE 14 OF 47	

# XMCS: PORTS

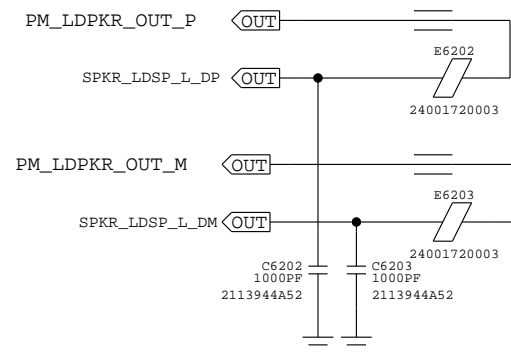
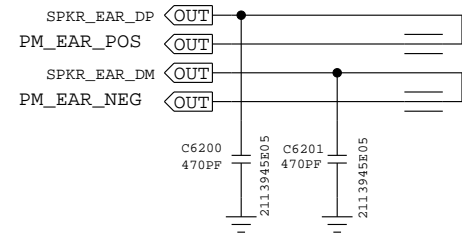
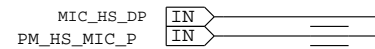
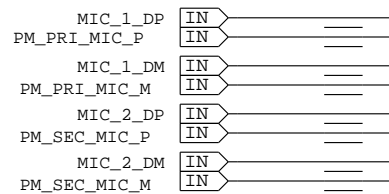
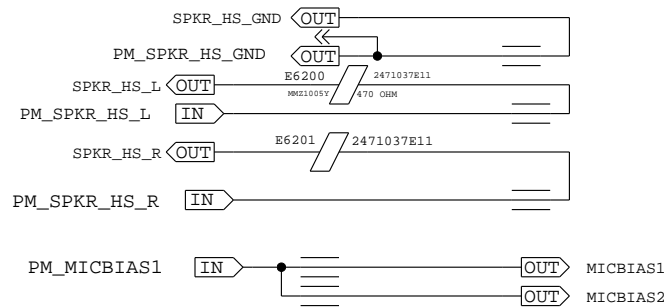
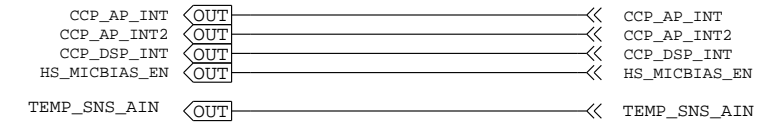
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### INPUTS



### OUTPUTS



### APPROVALS

ENGINEER: RAUL LOPEZ  
 LAST MODIFIED BY: NATE CONNELL  
 Thu Oct 01 16:22:58 2015

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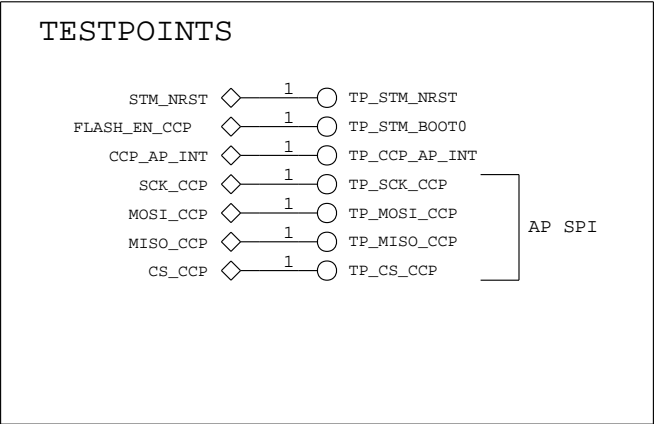
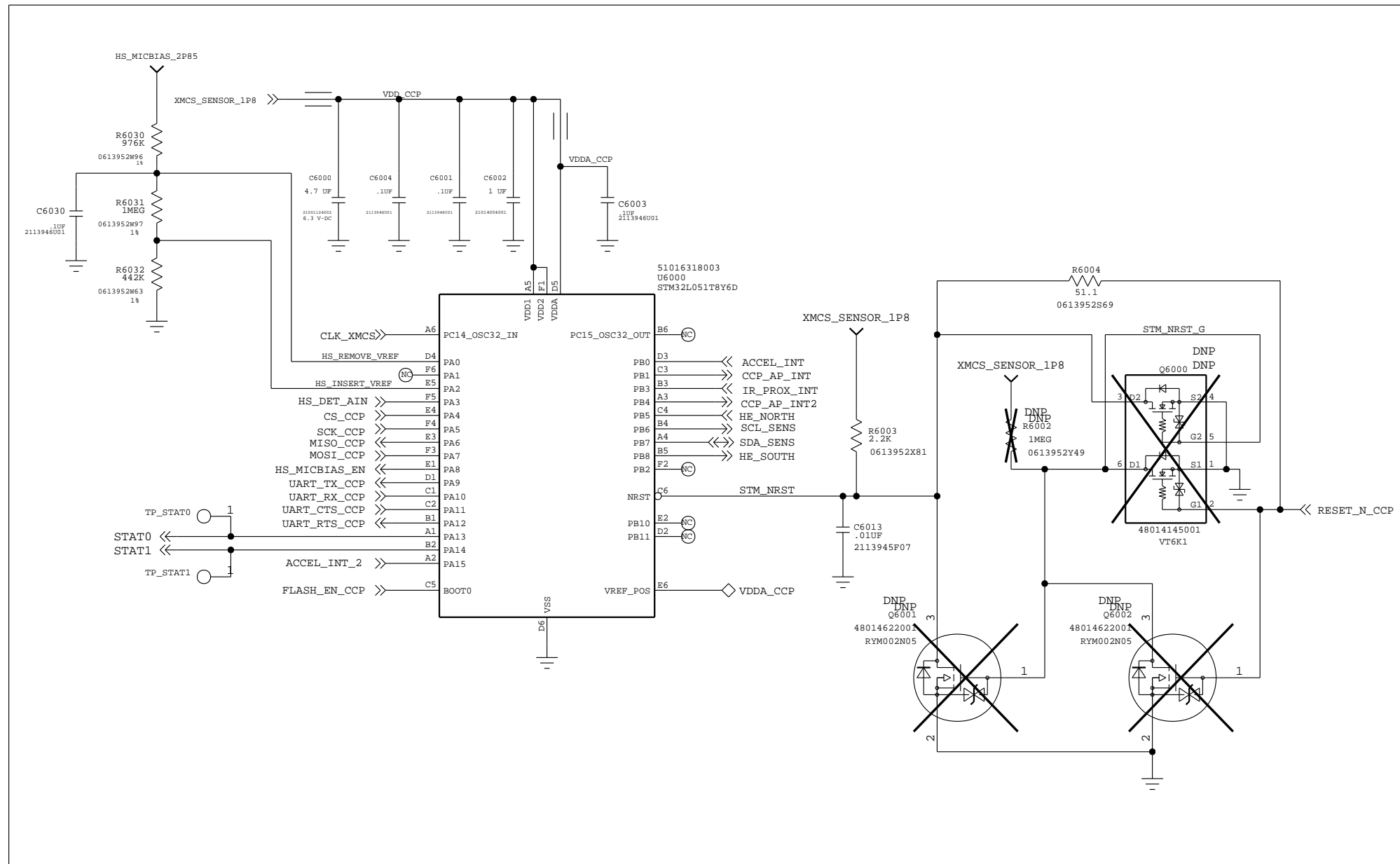
PROJECT NAME  
 84016525.cpm

REV  
 C

CAD FILE NAME:

# XMCS: CCP

REF: 6000-6049



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: JOHN GORSICA		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Thu Oct 01 16:22:56 2015		xmcs	
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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		CAD FILE NAME:	
		PAGE 16 OF 47	

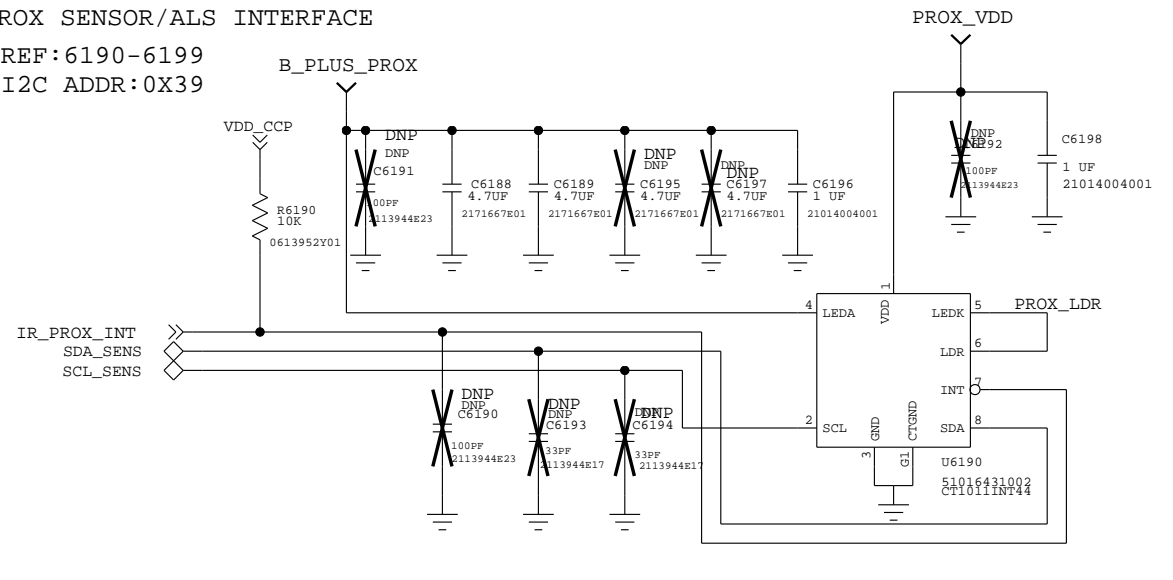


# SENSORS

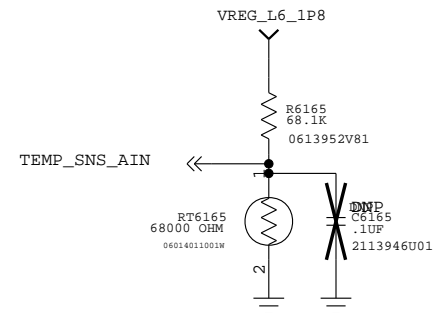
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## PROX SENSOR/ALS INTERFACE

REF: 6190-6199  
I2C ADDR: 0X39

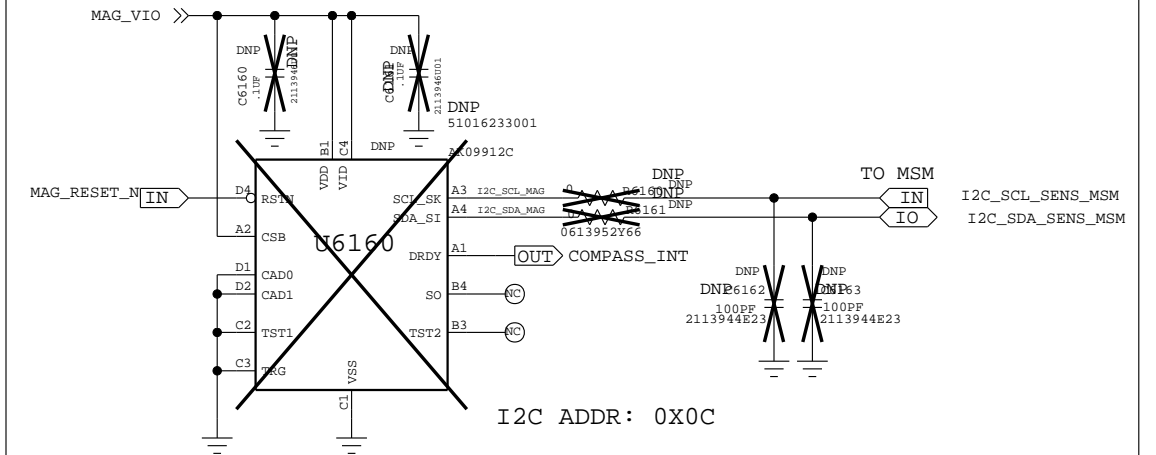


## BOARD TEMP SENSOR



## MAGNETOMETER

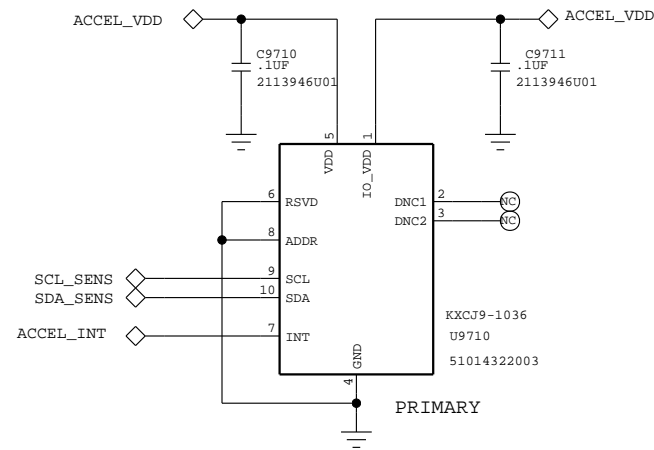
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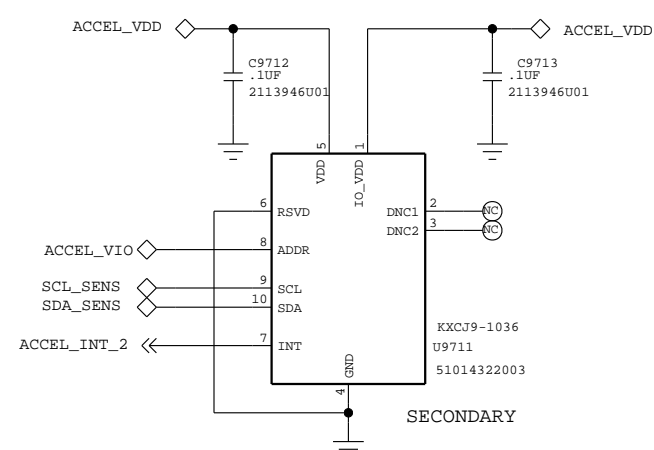
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REF: 9710-9719

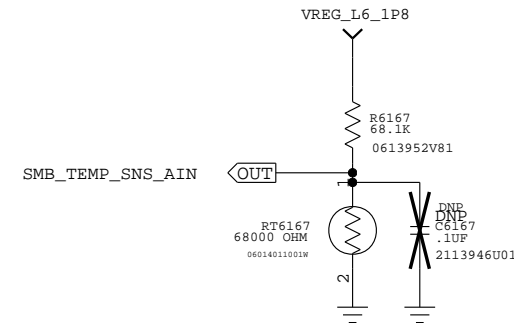
I2C ADDR: 0X0E



I2C ADDR: 0X0F

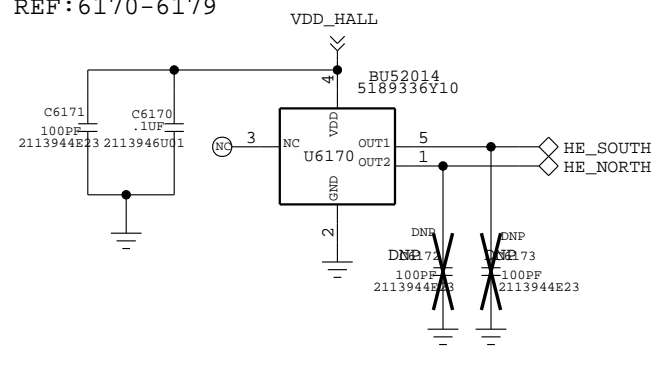


## CHRG TEMP SENSOR

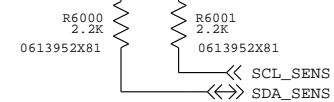


## HALL EFFECT

REF: 6170-6179



XMCS\_SENSOR\_1P8



JOHN GORSICA/NATE CONNELL  
APPROVALS

ENGINEER: C HERNANDEZ

LAST MODIFIED BY: C HERNANDEZ  
Thu Oct 01 16:22:57 2015

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**MOTOROLA**  
MOBILE DEVICES

BLOCK TITLE:

**xmcs**

PROJECT NAME  
84016525.APRAGOOCHIE

REV  
01

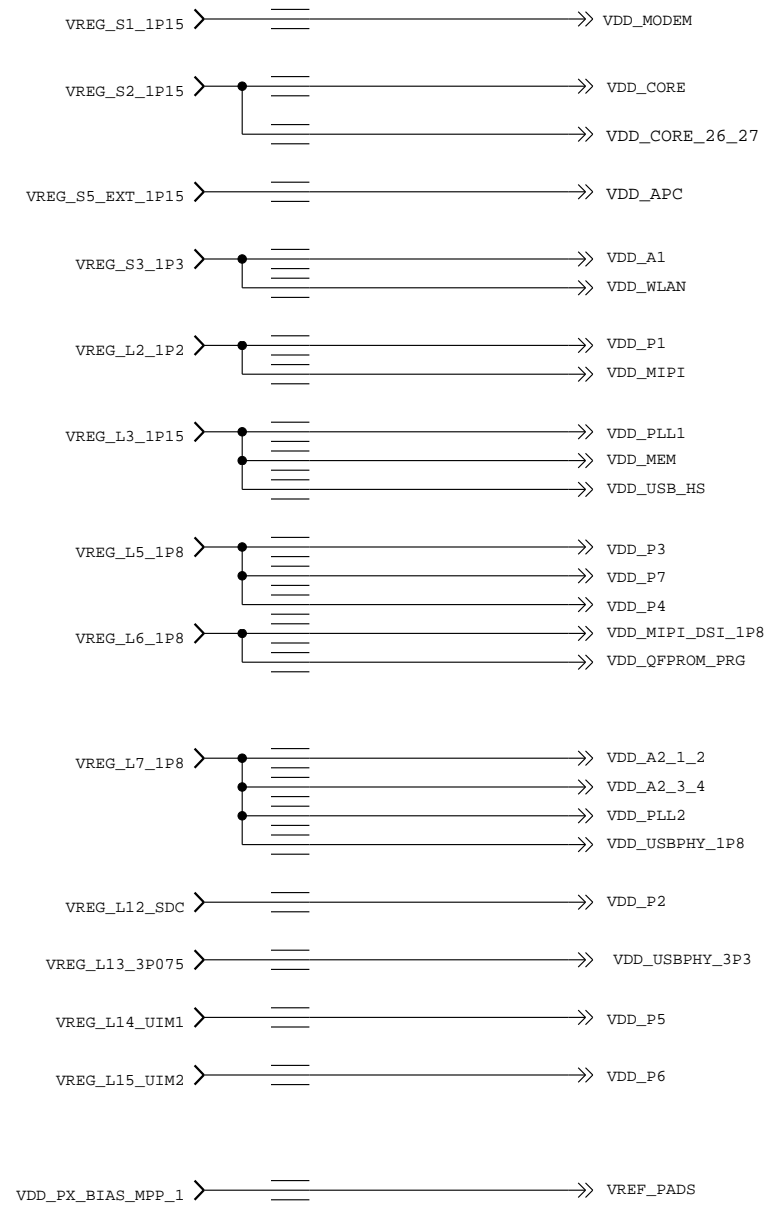
CAD FILE NAME:


PAGE 17 OF 47

# MSM: POWER

REF: 1000-1999

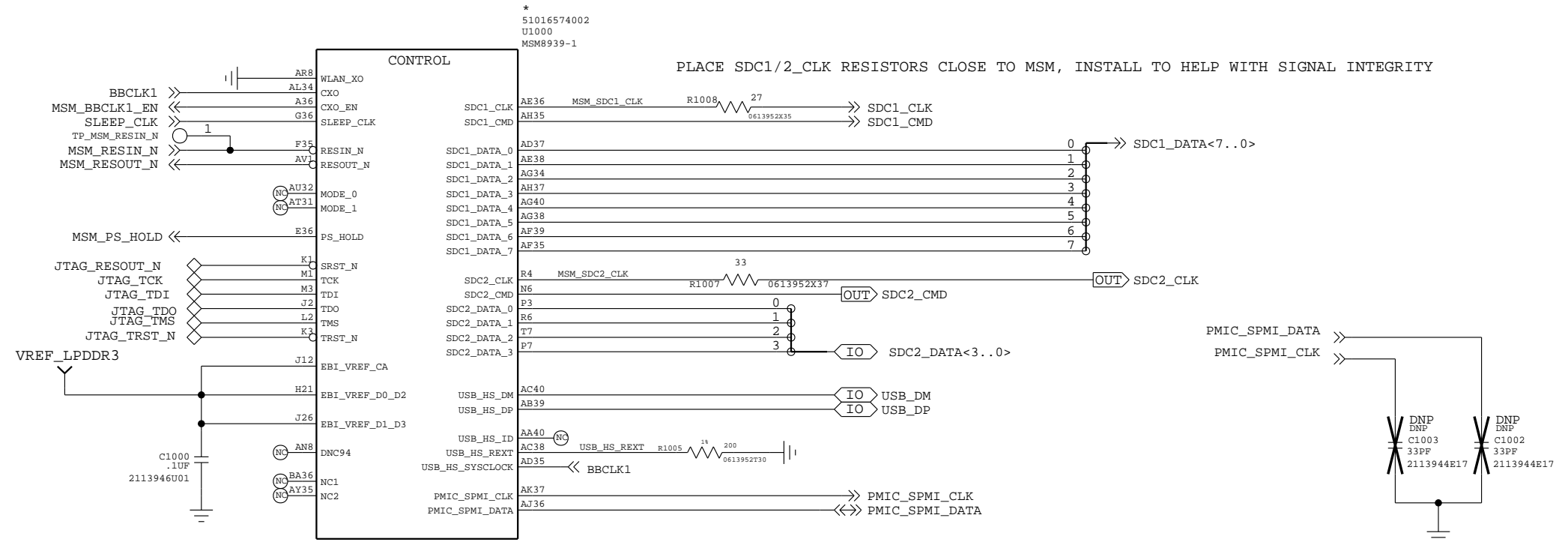
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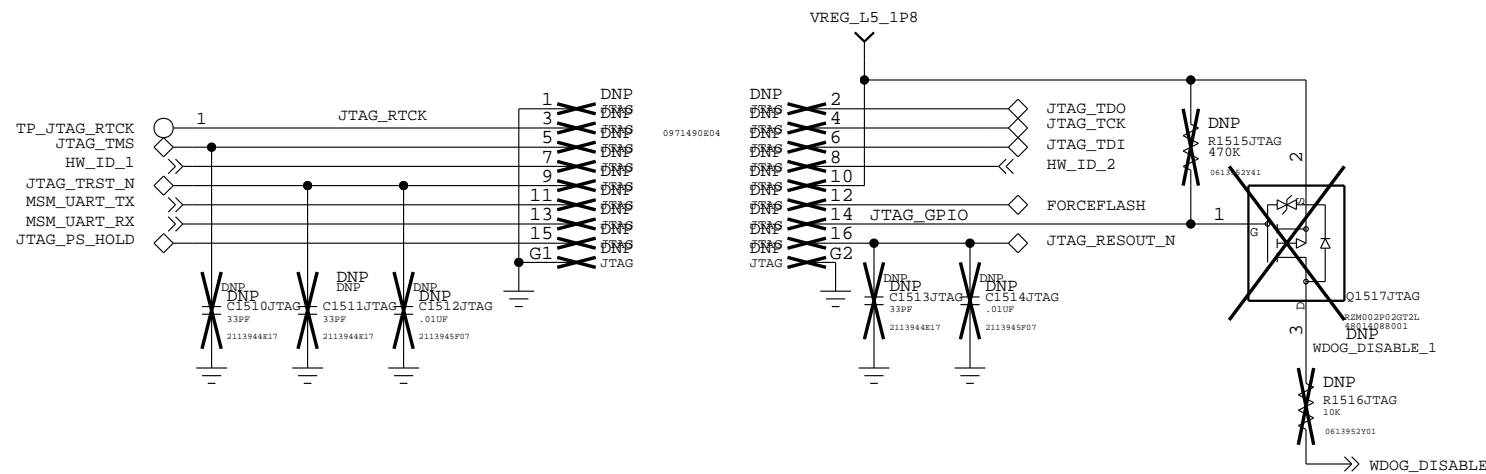
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ENGINEER: NATE CONNELL		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Tue Aug 11 13:52:53 2015		ap_pmic	
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		CAD FILE NAME:	
		PAGE 18 OF 47	

# MSM: CTRL

## REF 1000-1099

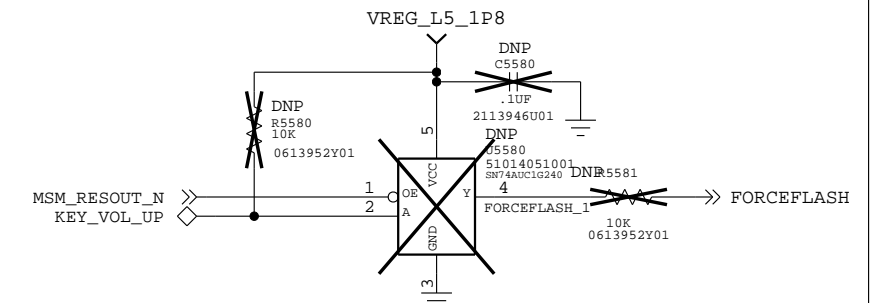


JTAG:MINI



### FORCE FLASH SUPPORT WITH VOL UP KEY

(DNI FOR PRODUCTION)

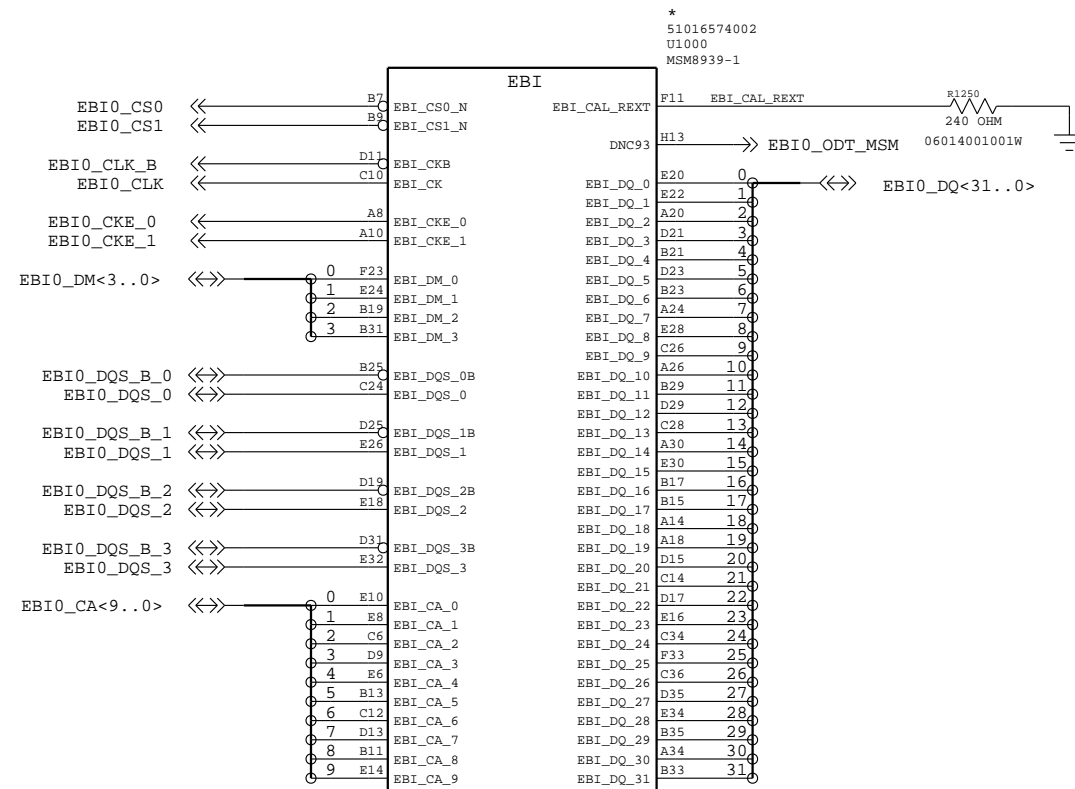
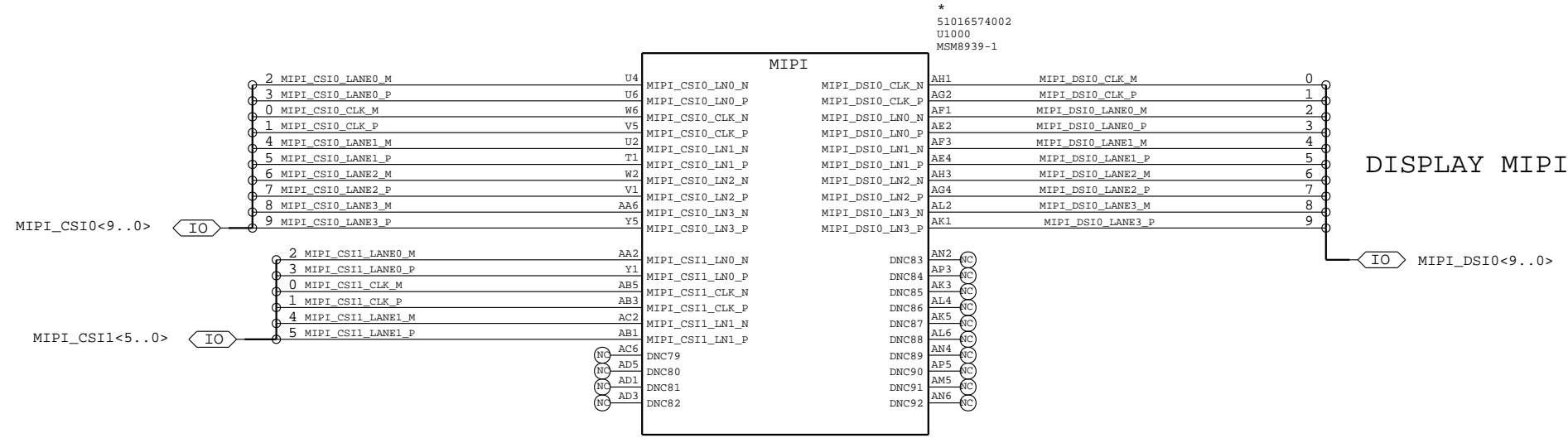


REF:5580-5589

APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FAN021 Thu Oct 01 16:22:59 2015		ap_pmic	
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		B 84016525.cpm	C
CAD FILE NAME :		PAGE 19 OF 47	

# MSM: MIPI/DSI/CSI/EBIO

REF 1200-1299



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY :		ap_pmic	
Thu Oct 01 16:23:10 2015			
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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		CAD FILE NAME :	PAGE 20 OF 47

# MSM: GPIO (0-101)

REF 1200-1299

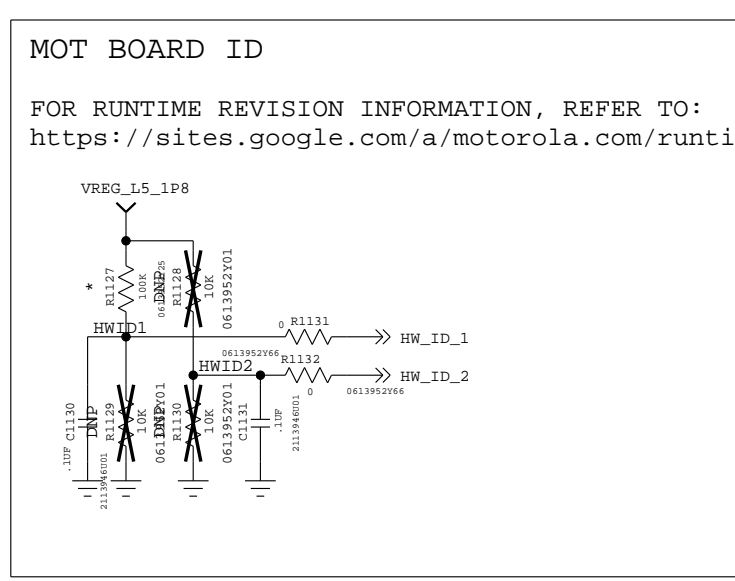
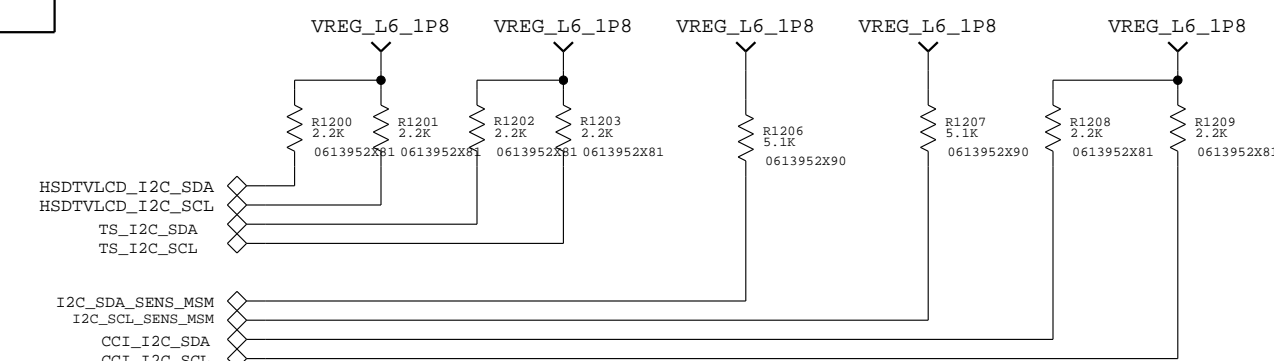
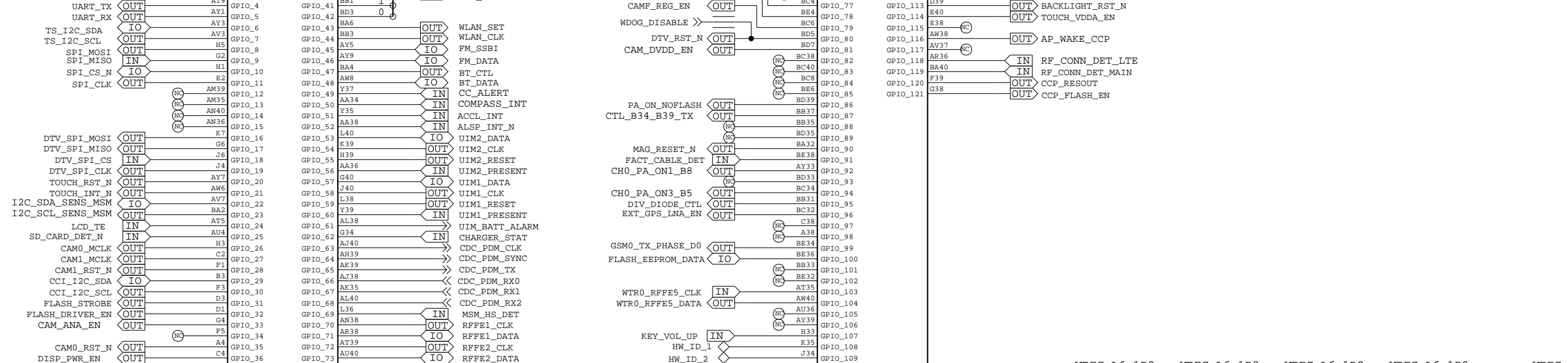
8 7 6 5 4 3 2 1

D

C

B

A



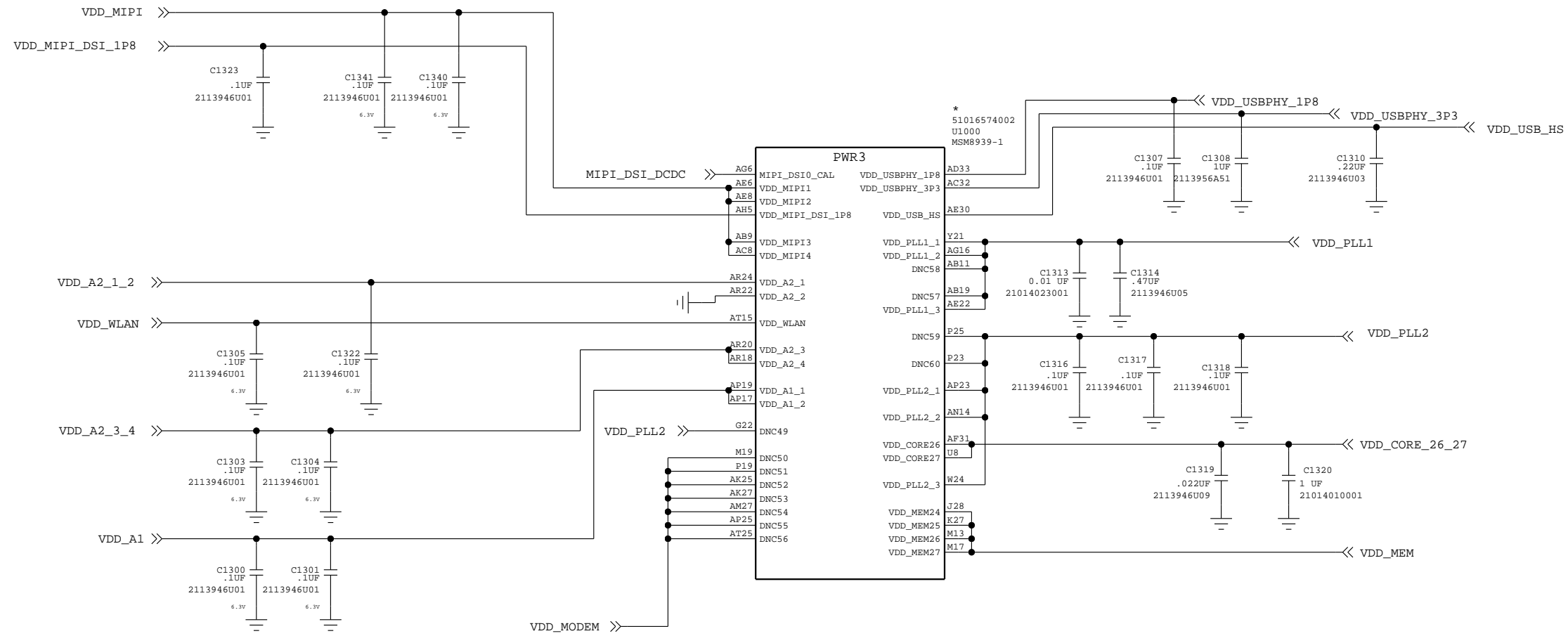
**MOT BOARD ID**  
 FOR RUNTIME REVISION INFORMATION, REFER TO:  
<https://sites.google.com/a/motorola.com/runtime-product-ids>

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LAST MODIFIED BY: FAN021 Thu Oct 01 16:23:03 2015		ap_pmic	
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CAD FILE NAME:		PAGE 21 OF 47	

8 7 6 5 4 3 2 1

# MSM: PWR1

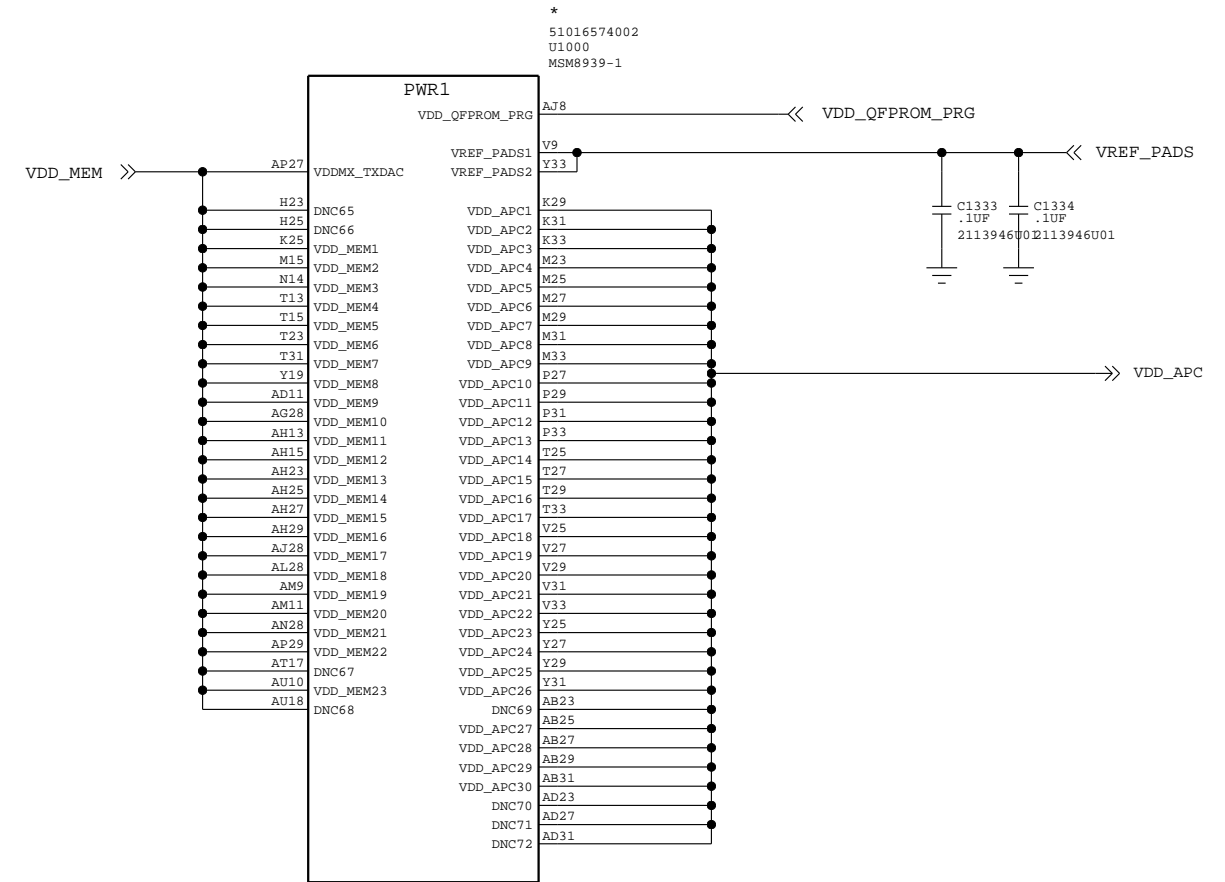
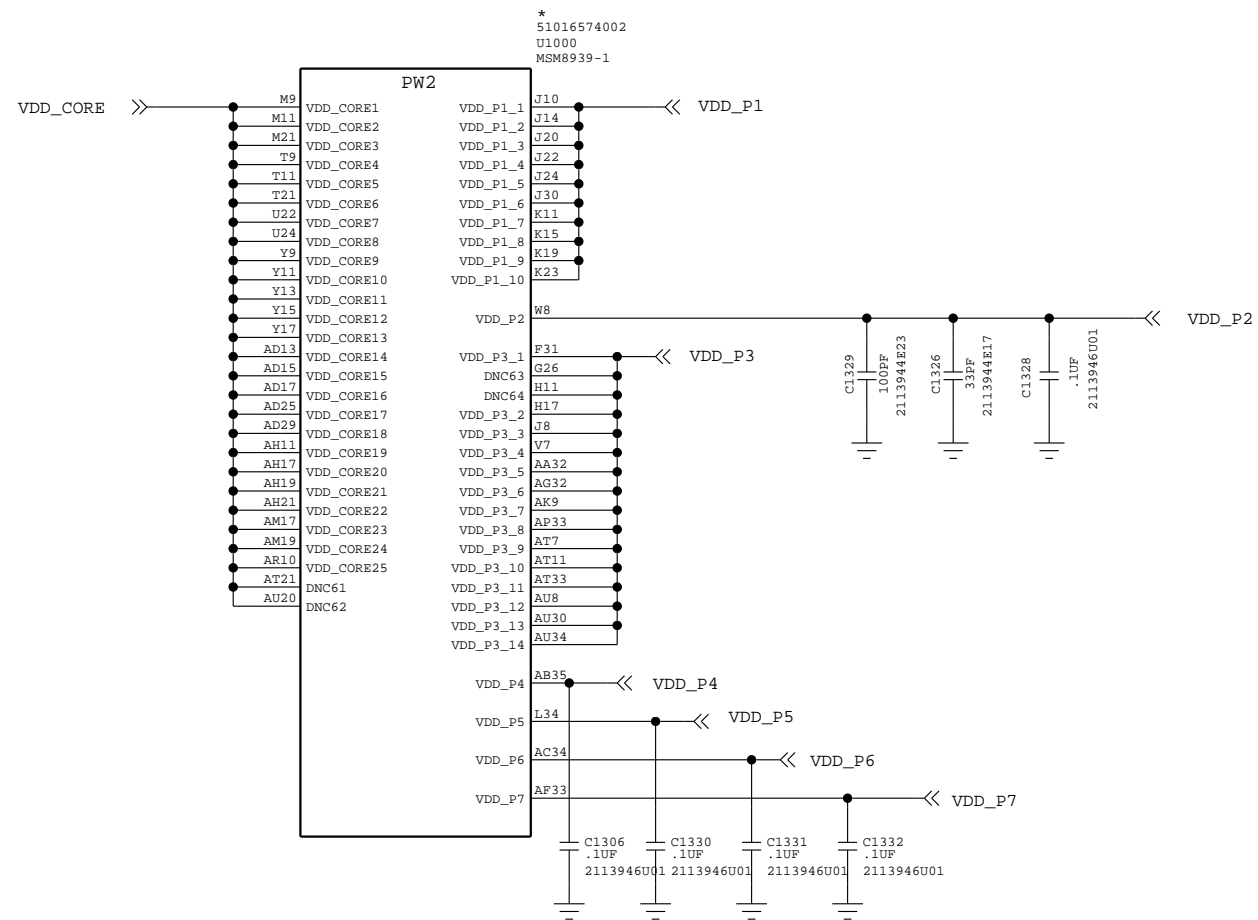
REF 1300-1399



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FAN021 Thu Oct 01 16:23:04 2015		ap_pmic	
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		CAD FILE NAME :	
		PAGE 22 OF 47	

# MSM: PWR2

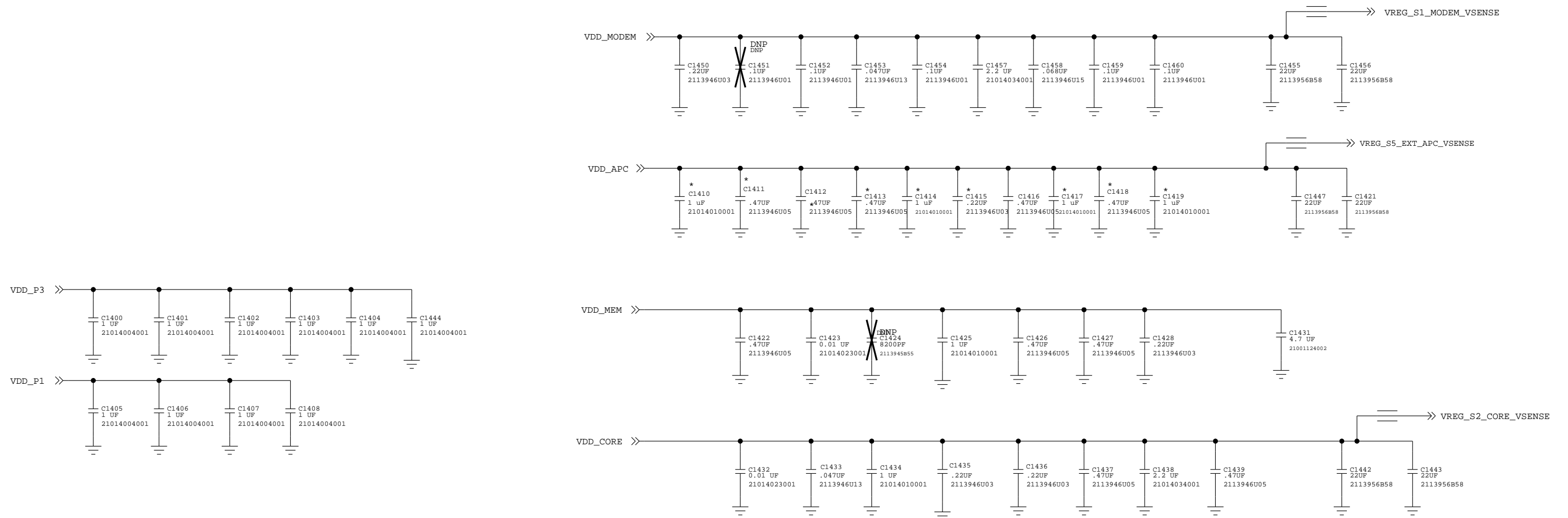
REF 1300-1399



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY: FAN021 Thu Oct 01 16:23:05 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>B</b> 84016525.cpm	REV C
		CAD FILE NAME :	
		PAGE 23 OF 47	

# MSM: BYPASS CAPS

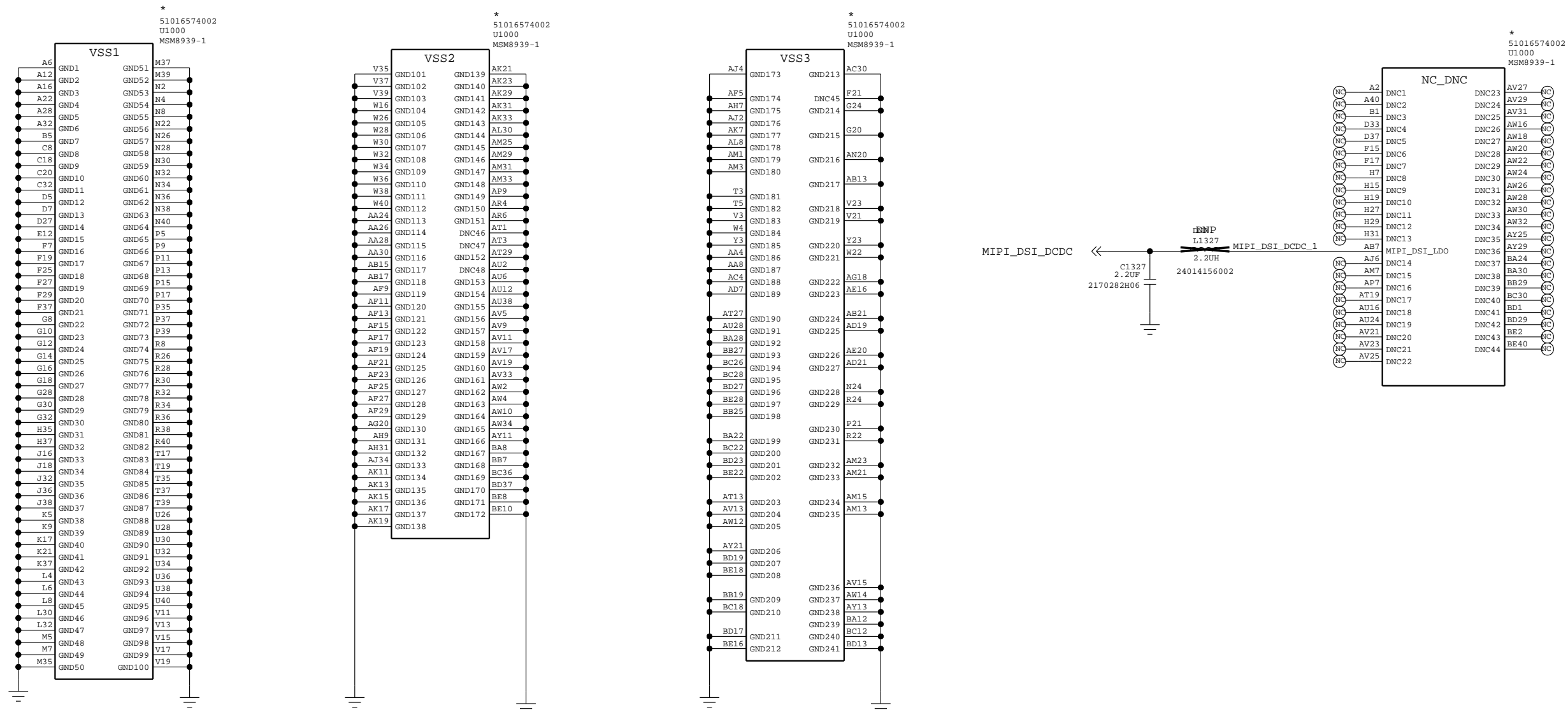
REF 1400-1499



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER :		BLOCK TITLE :	
LAST MODIFIED BY FAN021 Fri Oct 09 16:32:25 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 84016525.cpm	REV C
		CAD FILE NAME :	PAGE 24 OF 47



# MSM: GROUND



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER:		BLOCK TITLE:	
LAST MODIFIED BY: FAN021 Thu Oct 01 16:23:11 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 84016525.cpm	REV C
		CAD FILE NAME:	
		PAGE 25 OF 47	

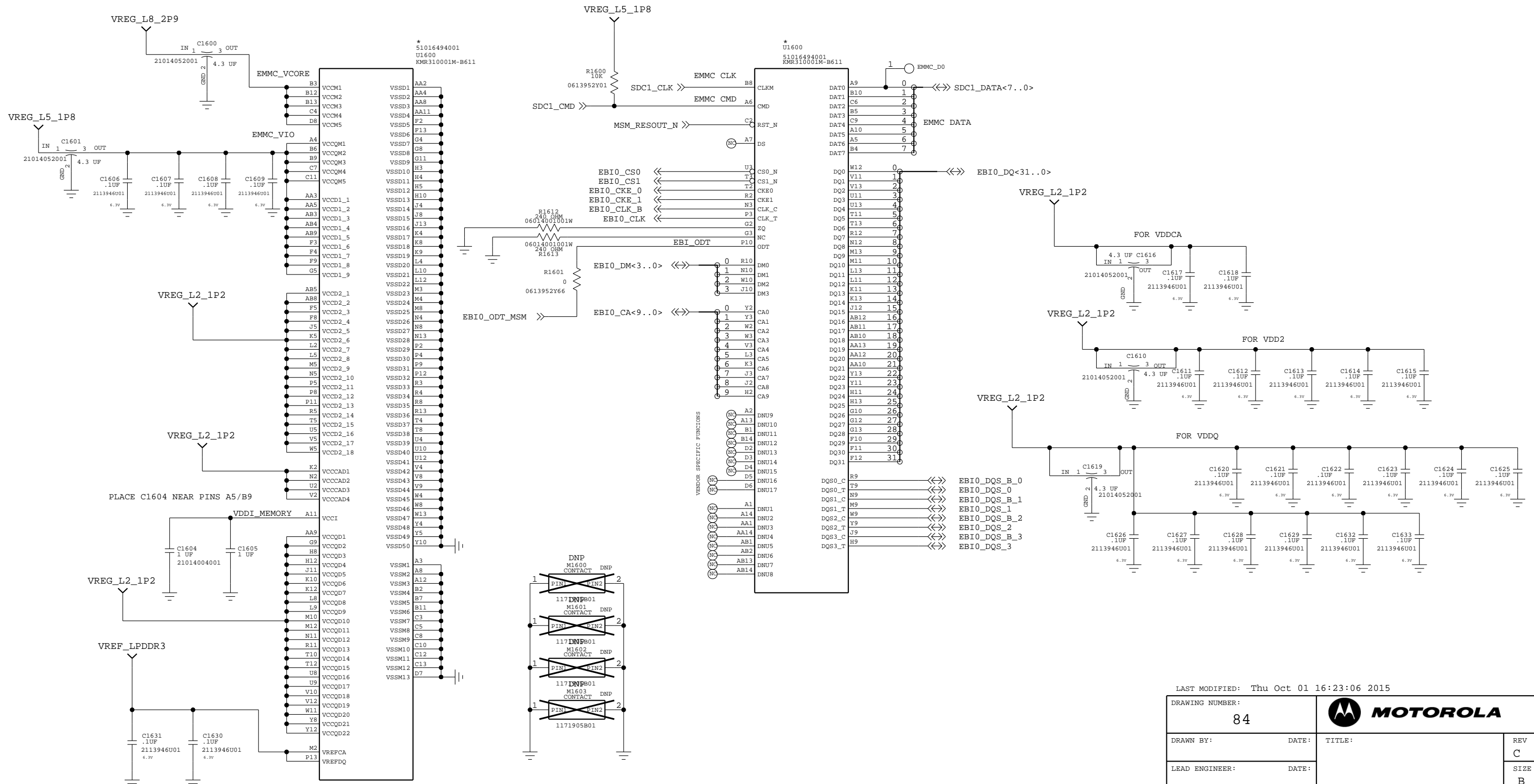
# MEMORY MCP

REF: 1600-1699

MCP: 8GB NAND, 8GBIT LPDDR3

### REVISIONS

REV	ECN	DESCRIPTION	MADE BY	APPROVED

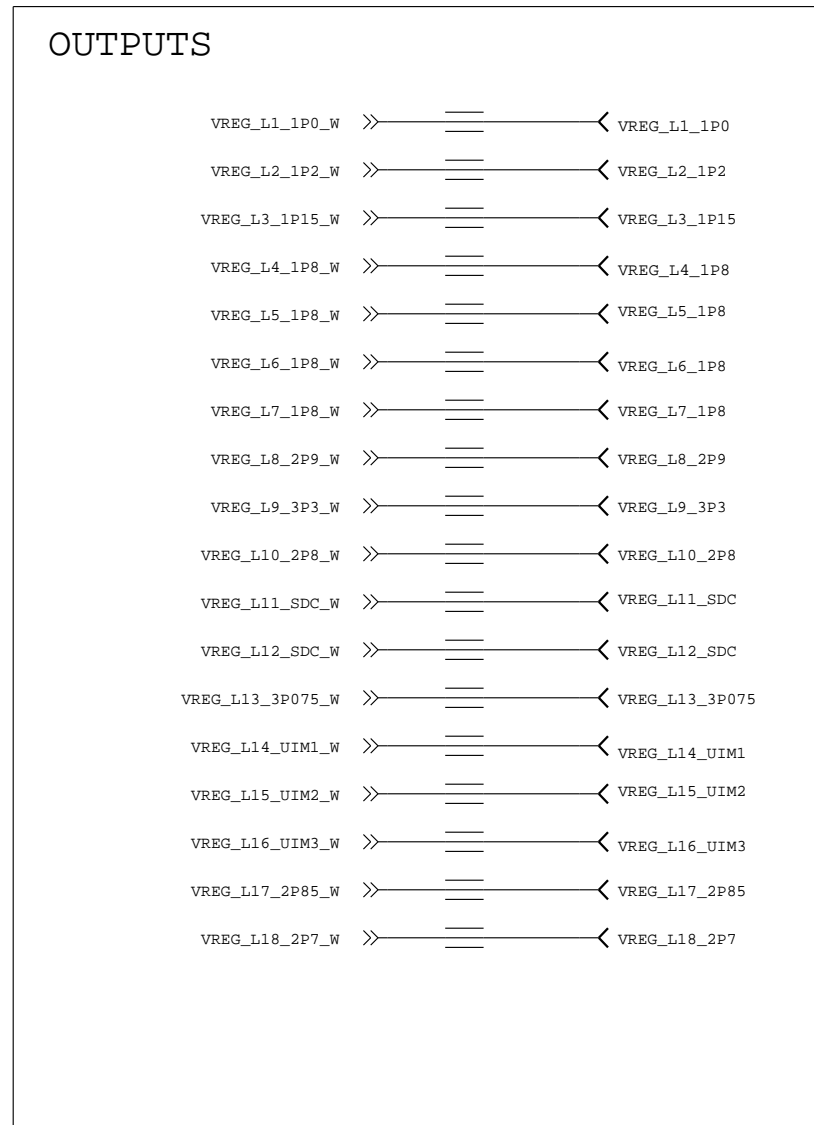
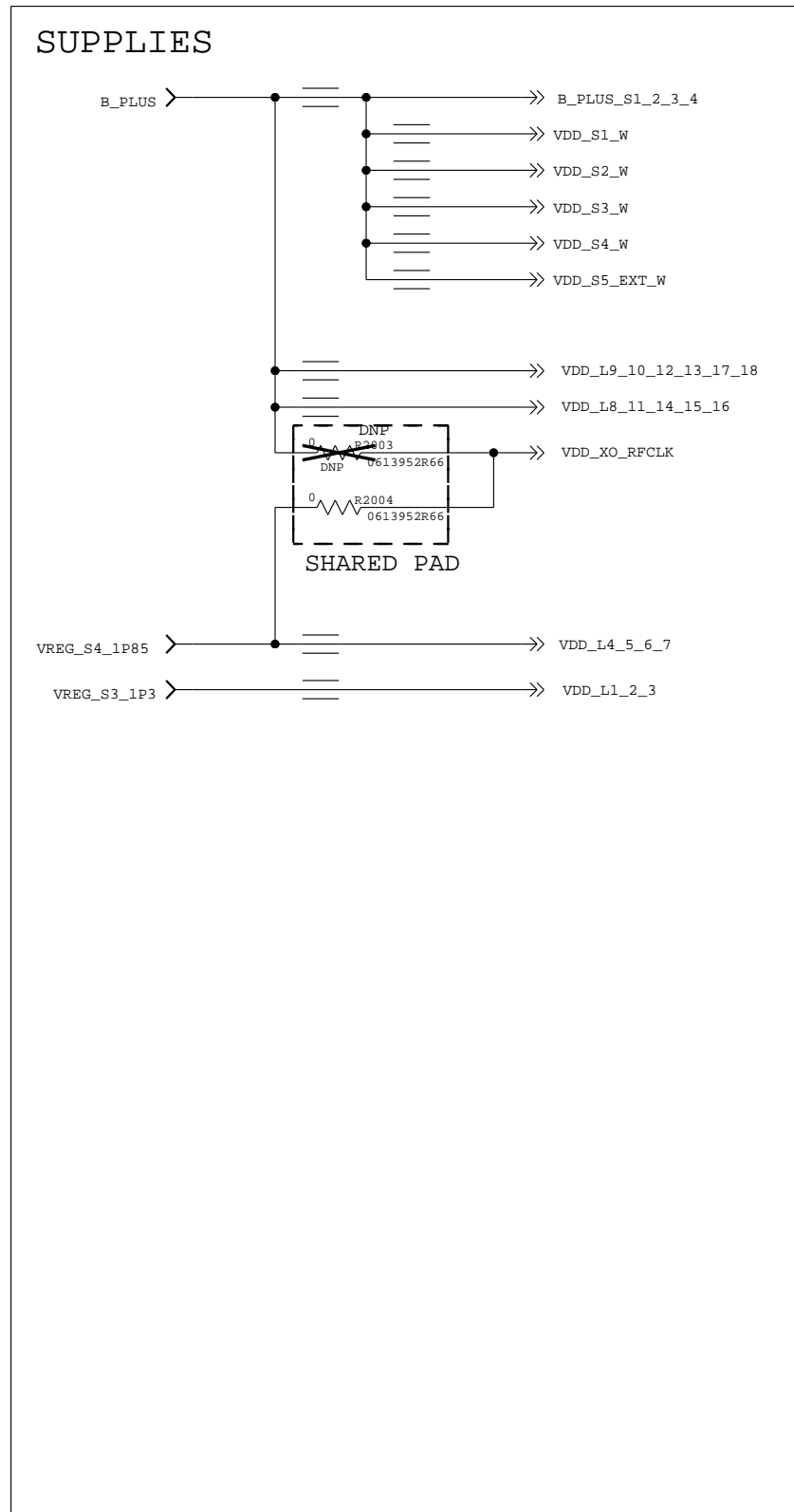


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LAST MODIFIED: Thu Oct 01 16:23:06 2015			
DRAWING NUMBER: 84			
DRAWN BY:	DATE:	TITLE:	REV: C
LEAD ENGINEER:	DATE:		SIZE: B
ASSY NUMBER:	PCB FILE NAME:	PAGE 26 OF 47	

# PM8916: POWER

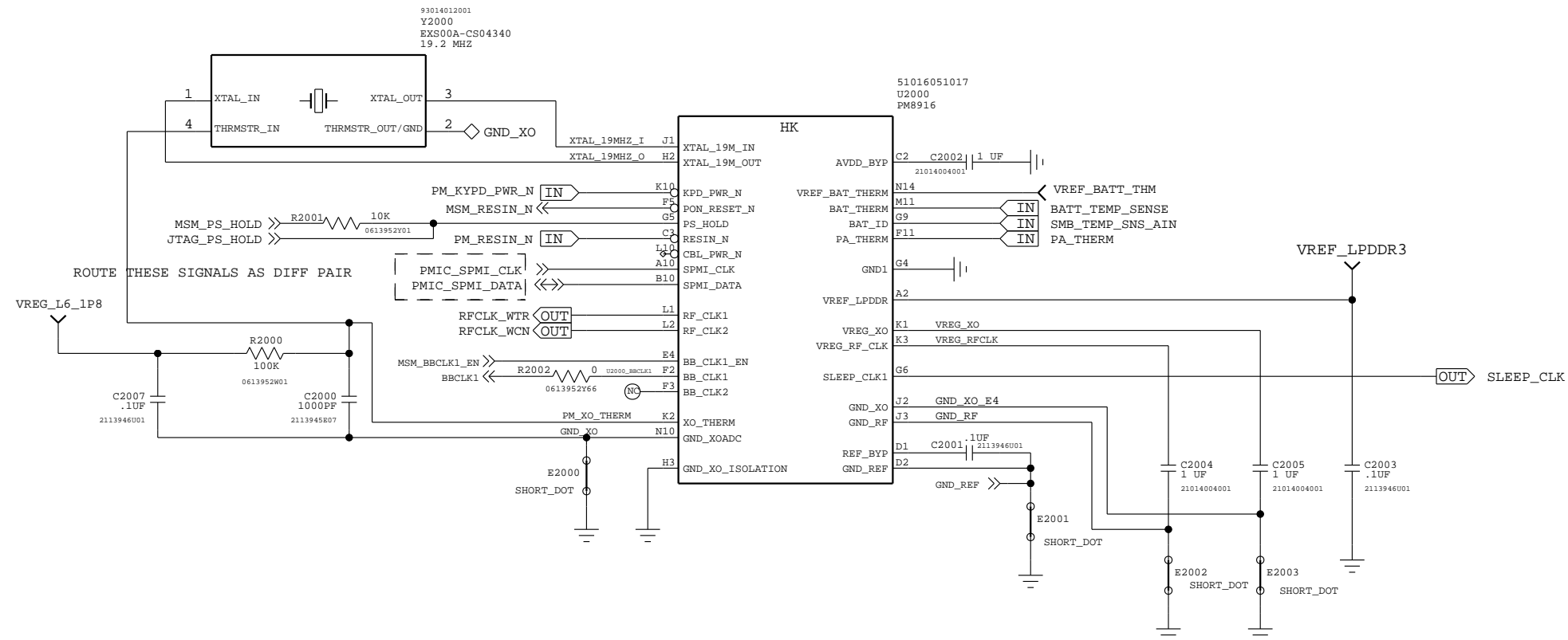
REF: 2000-2999



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: NATE CONNELL		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Thu Oct 01 16:23:09 2015		<b>ap_pmic</b>	
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 84016525.cpm	REV C
		CAD FILE NAME:	
		PAGE 27 OF 47	

# PM8916: HK

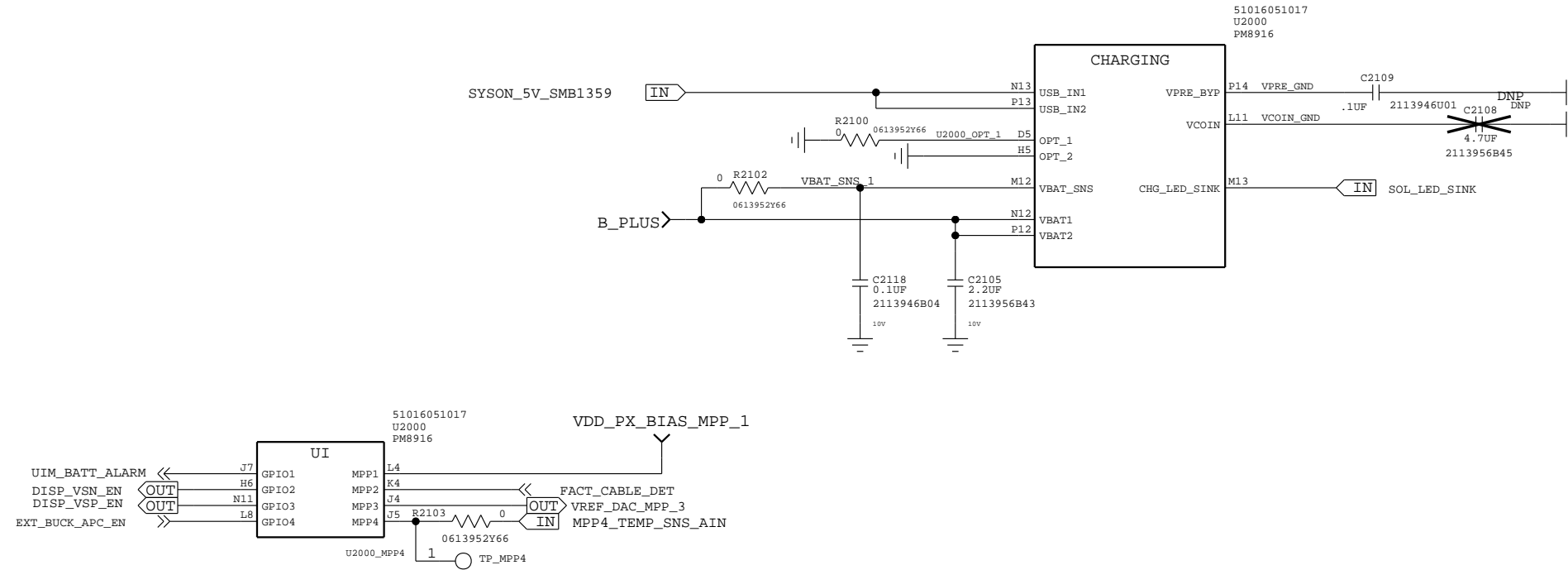
REF: 2000-2999




APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: XIAOYU WANG		BLOCK TITLE:	
LAST MODIFIED BY: MMI Thu Oct 01 16:23:00 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 84016525.cpm	REV C
		CAD FILE NAME:	
		PAGE 28 OF 47	

# PM8916: CHRГ/LED/GPIO

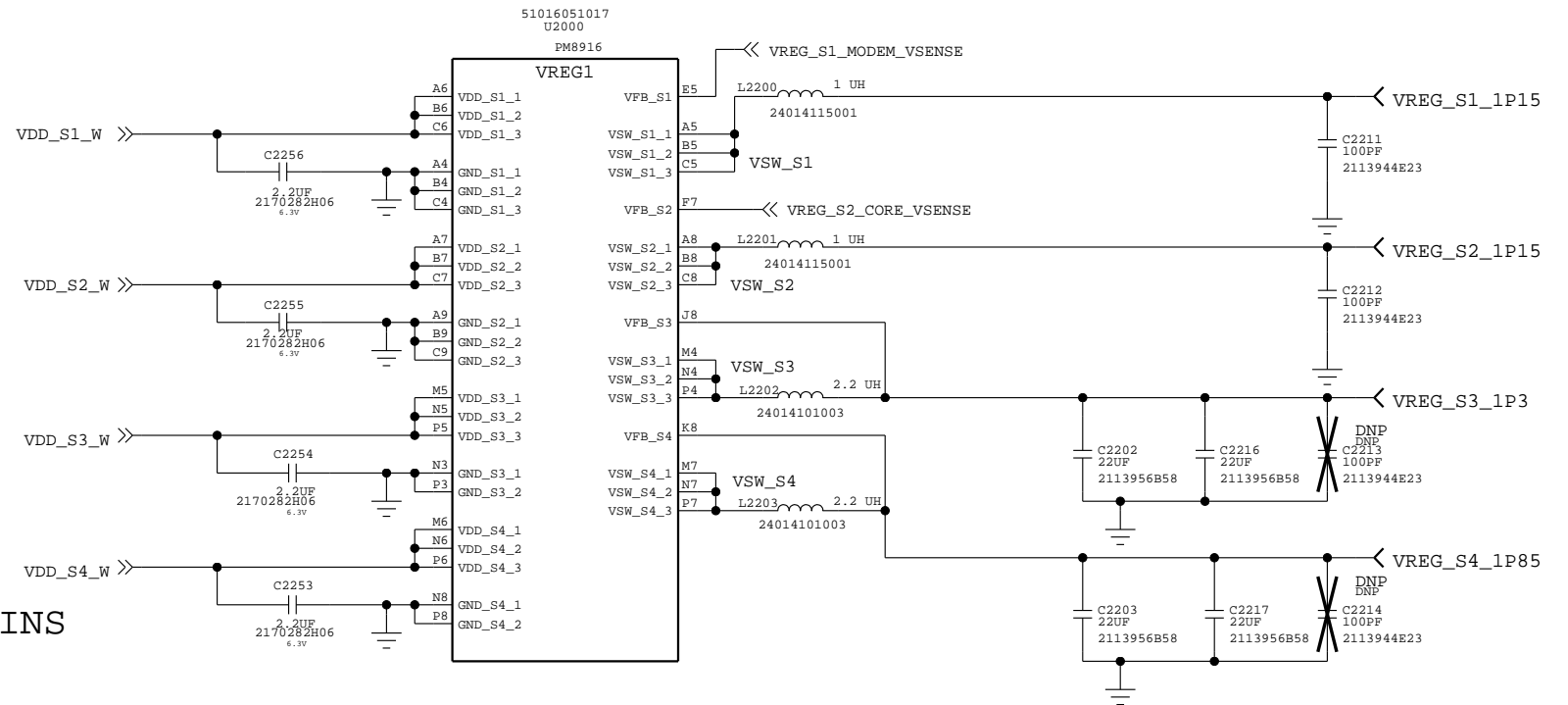
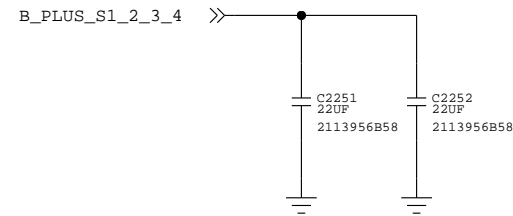
REF: 2000-2999



APPROVALS		 <b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI Thu Oct 01 16:23:08 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>B</b> 84016525.cpm	REV C
		CAD FILE NAME:	
		PAGE 29 OF 47	

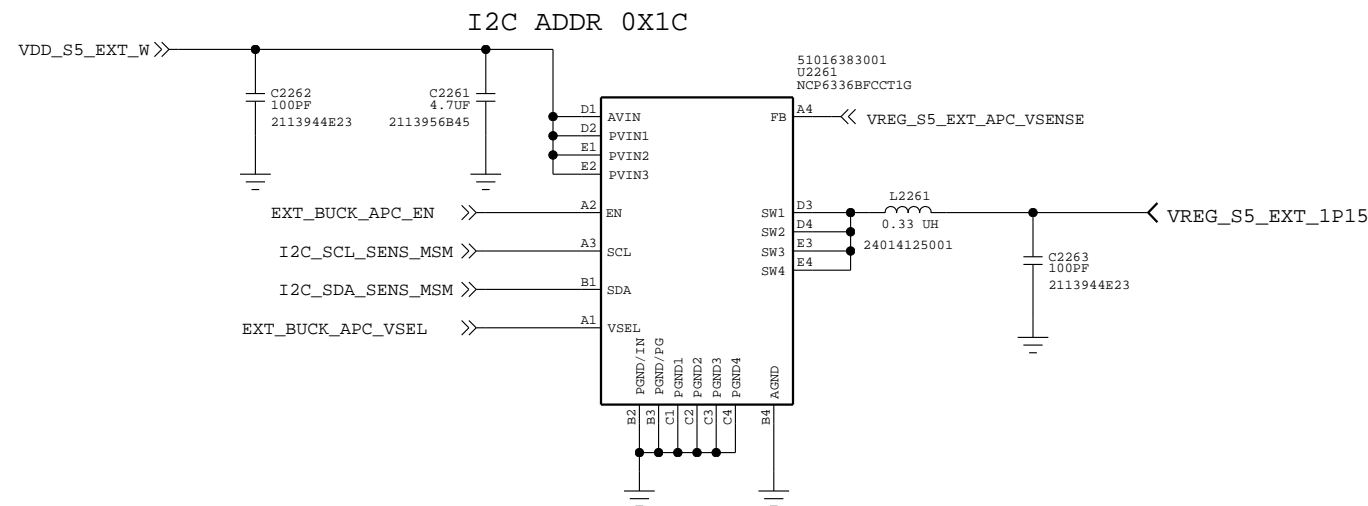
# PM8916: SMPS

REF: 2000-2999



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

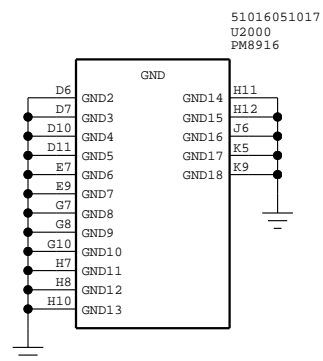
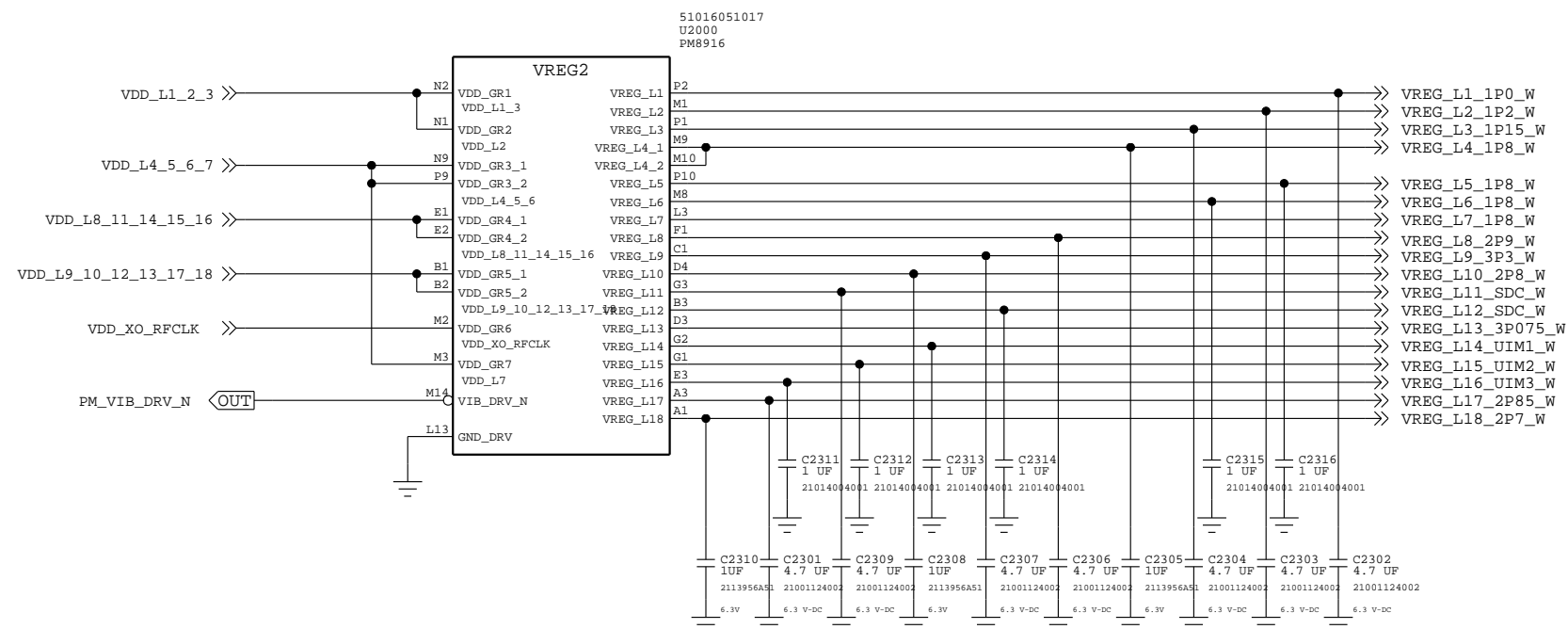
## APC EXT-BUCK REGULATOR



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: XIAOYU WANG		BLOCK TITLE:	
LAST MODIFIED BY: MMI Thu Oct 01 16:23:02 2015		ap_pmic	
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		B 84016525.cpm	C
CAD FILE NAME:		PAGE 30 OF 47	

# PM8916: VREGS

REF: 2000-2999



## PSEUDO CAPLESS LDOS

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

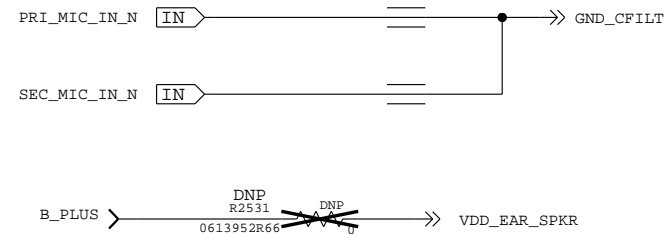
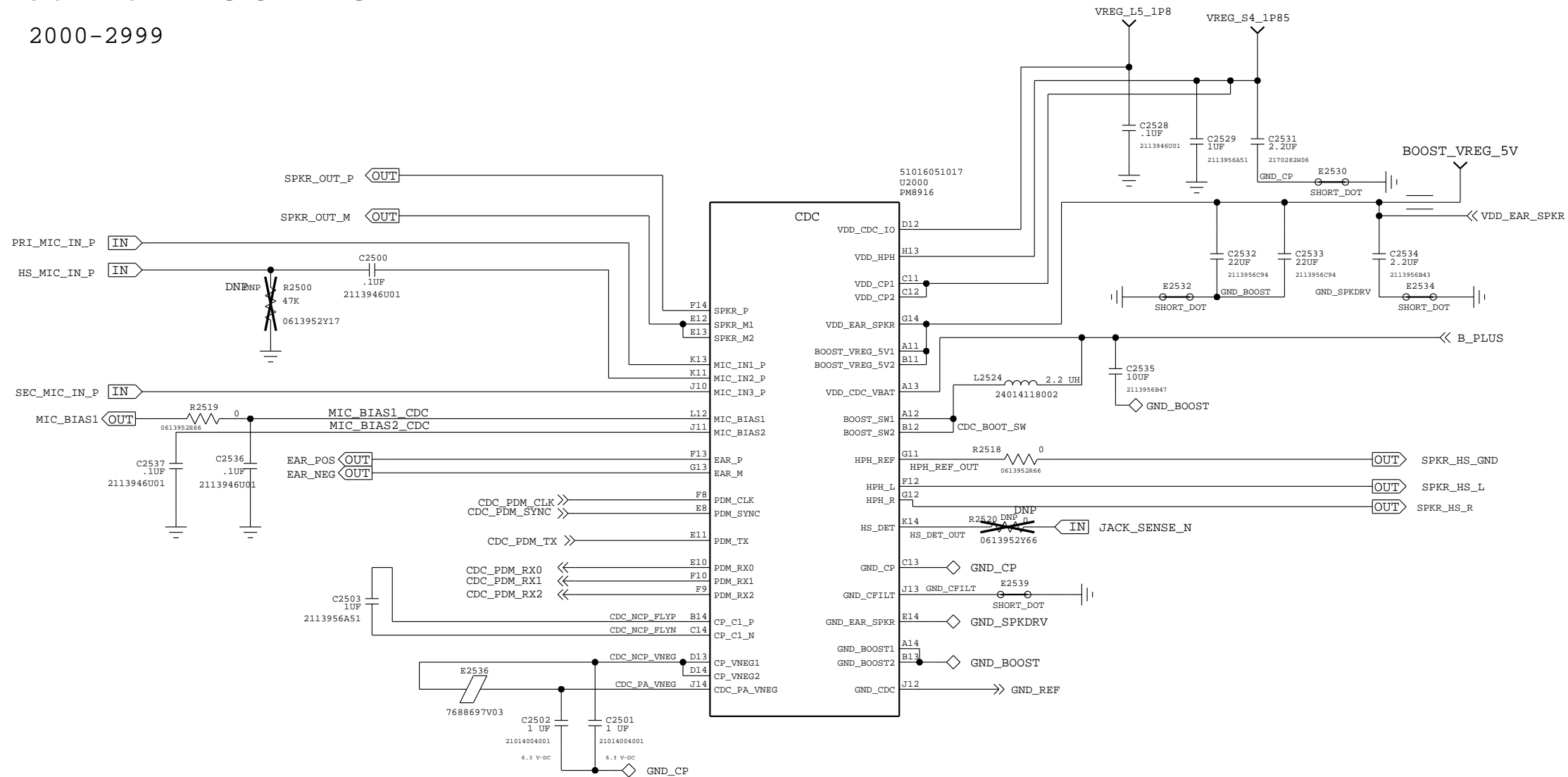
L8, L9, L11, L17 EACH SHALL HAVE TOTAL EFFECTIVE OUTPUT CAPACITANCE OF 4.7UF  
 REST OF THE LDOS SHALL HAVE TOTAL EFFECTIVE OUTPUT CAPACITANCE OF 1.0UF

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		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: XIAOYU WANG		BLOCK TITLE:	
LAST MODIFIED BY: MMI Thu Oct 01 16:23:09 2015		ap_pmic	
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		CAD FILE NAME:	
		PAGE 31 OF 47	

# PM8916: CODEC

REF 2000-2999

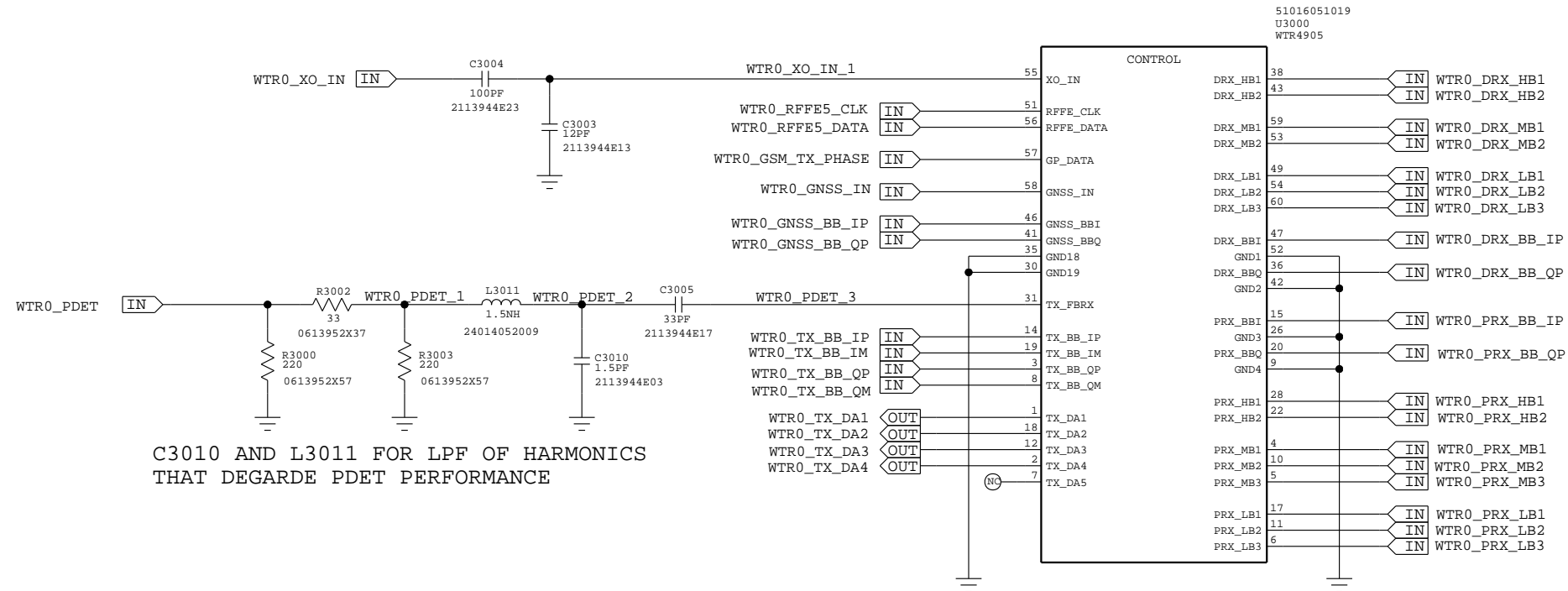


APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: XIAOYU WANG		BLOCK TITLE:	
LAST MODIFIED BY: ECB033 Thu Oct 01 16:23:01 2015		ap_pmic	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME B 84016525.cpm	REV C
		CAD FILE NAME:	
		PAGE 32 OF 47	



# WTR4905 BB RF

REF 3000-3099



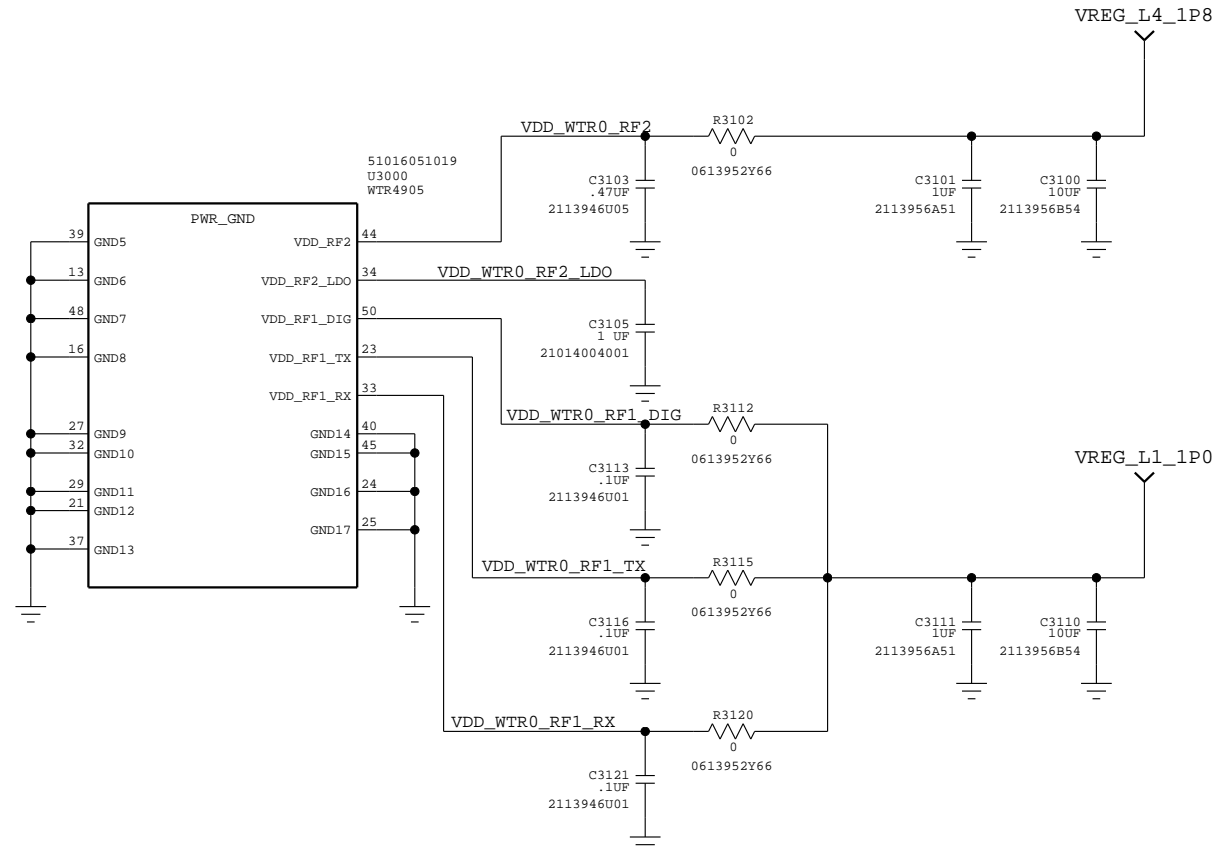
C3010 AND L3011 FOR LPF OF HARMONICS  
THAT DEGRADE PDET PERFORMANCE

MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: Thu Oct 01 16:23:13 2015		block_wtr4905	
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 84016525.cpm	REV C
		CAD FILE NAME:	PAGE 33 OF 47

BASED ON 80-NL713-44 REV. A

WTR4905 POWER  
REF 3100-3199



MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI Thu Oct 01 16:23:13 2015		block_wtr4905	
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 84016525.cpm	REV C
		CAD FILE NAME:	
		PAGE 34 OF 47	

BASED ON 80-NL713-44 REV. A

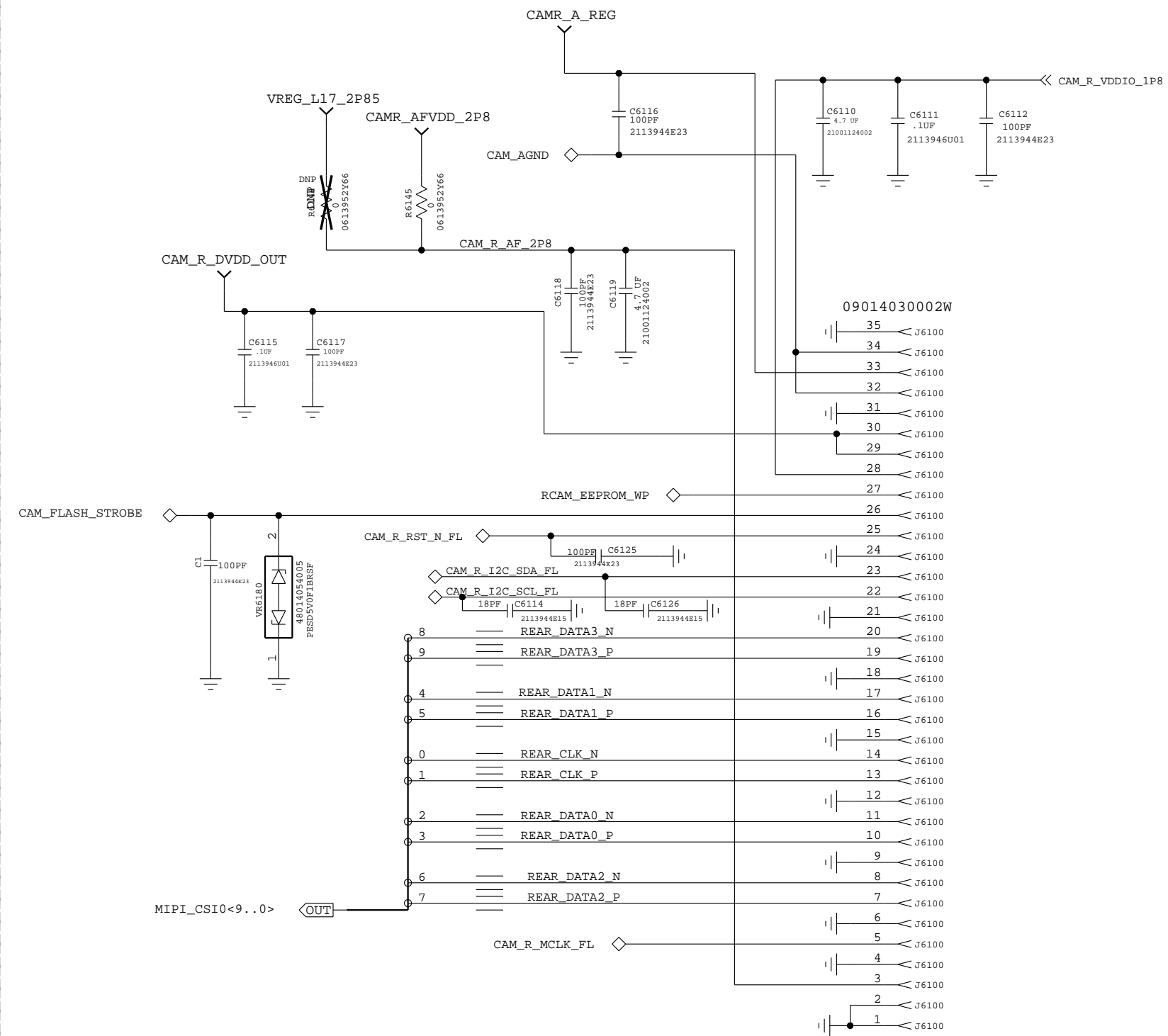
# REAR CAMERA

## REF:6100-6149

REVISIONS				
REV	ECN	DESCRIPTION	MADE BY	APPROVED

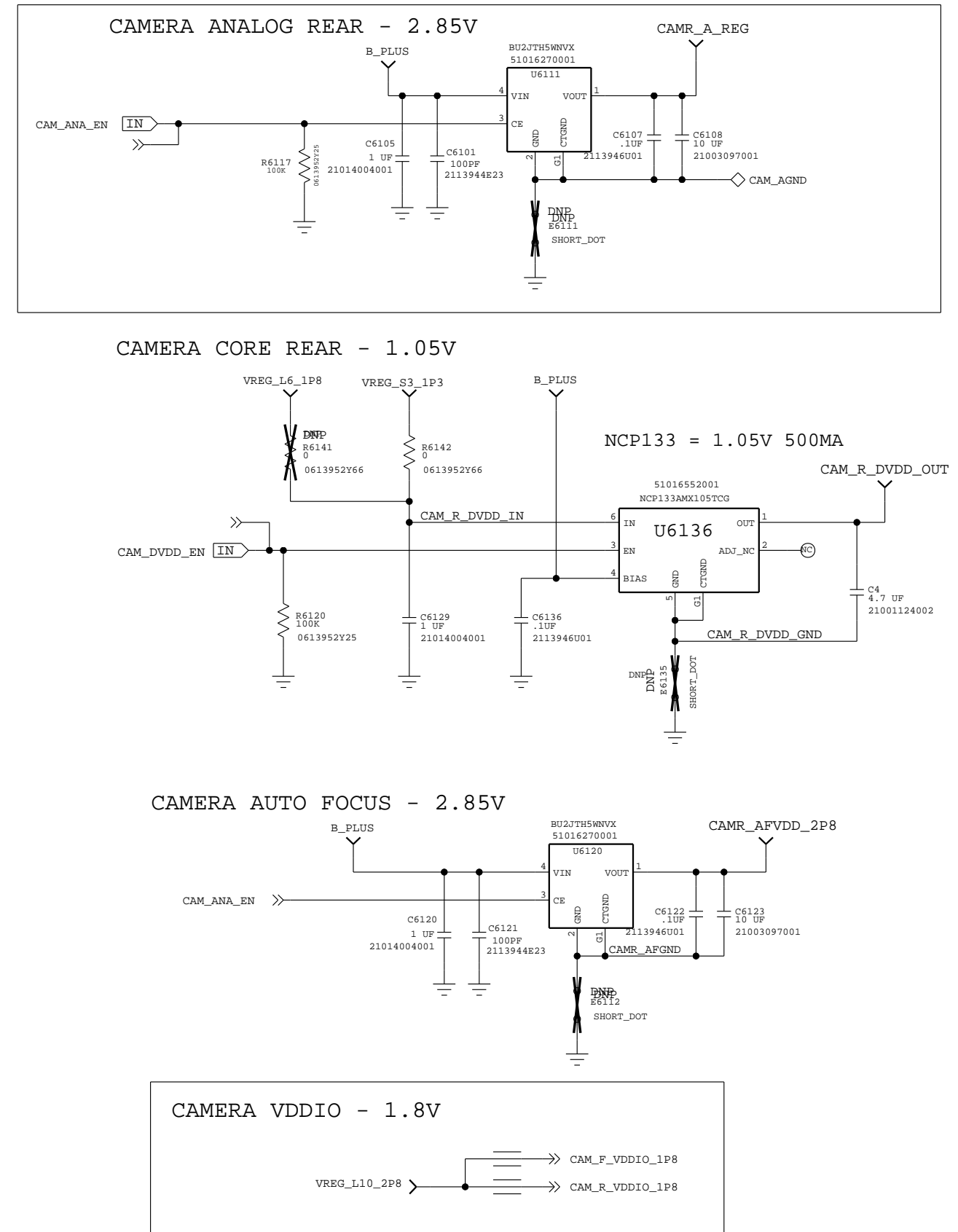
### IMAGER FLEX CONNECTOR

I2C ADDR: 0X.. (0X..)



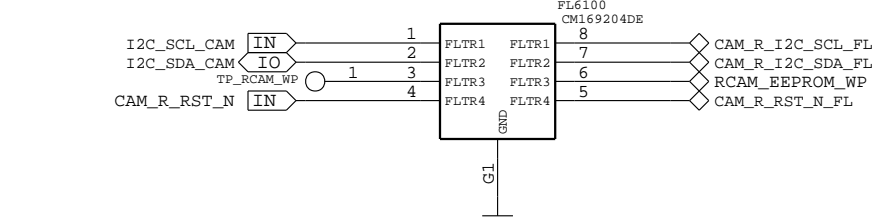
REF:6100-6110

### POWER REGULATORS

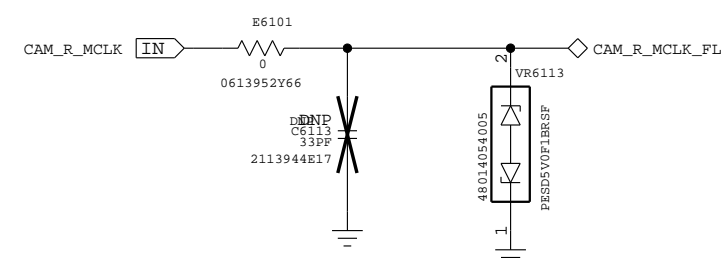


REF:6110-6120

### EMI/ESD FILTER

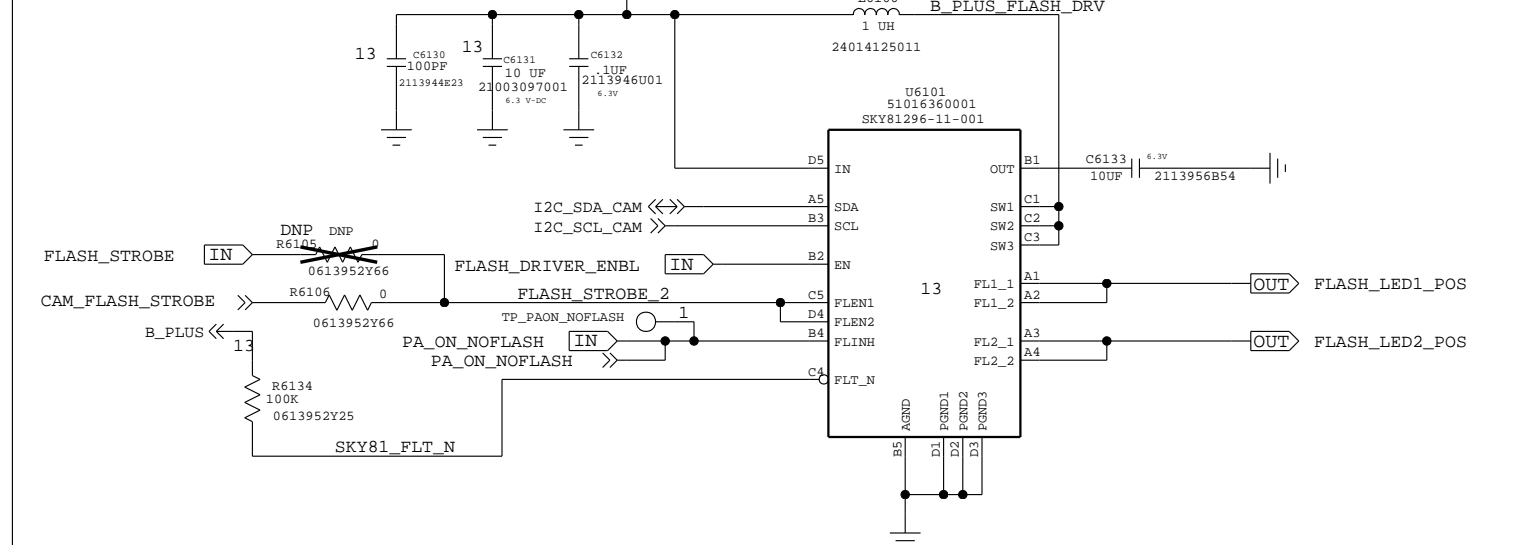


PLACE R6101 AND C6113 NEAR MSM

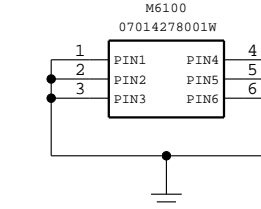


### LED FLASH DRIVER

I2C ADDR:



### REAR CAMERA PLATE



LAST MODIFIED: Thu Oct 01 16:23:22 2015

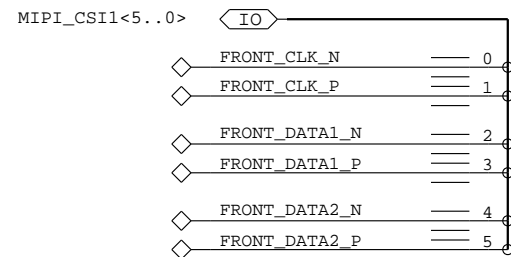
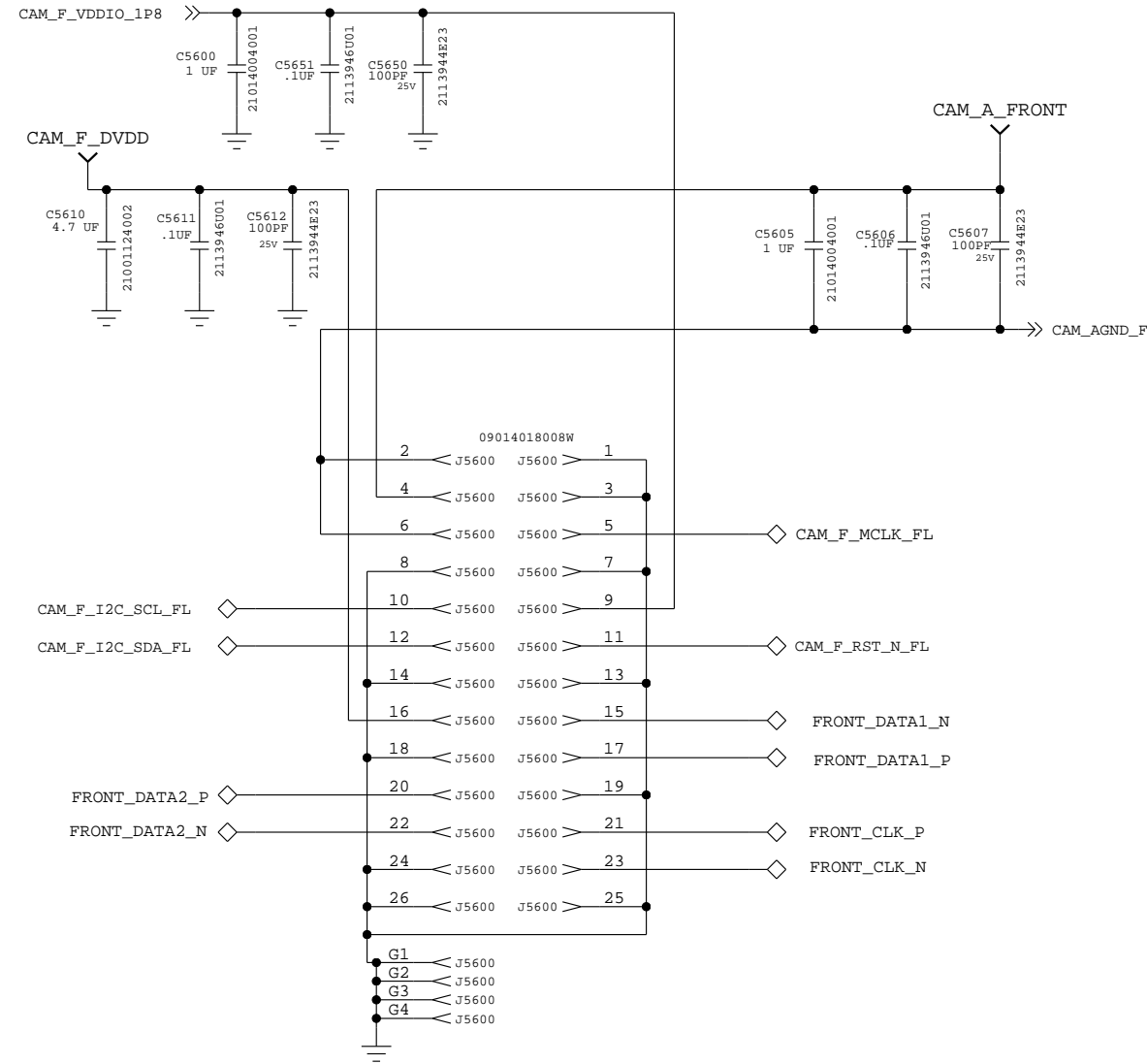
DRAWING NUMBER: <b>84</b>		TITLE: <b>MOTOROLA</b>		REV C
DRAWN BY:	DATE:	TITLE:	REV C	
LEAD ENGINEER:	DATE:			
ASSY NUMBER:	PCB FILE NAME:	PAGE 35 OF 47		

MOTOROLA CONFIDENTIAL RESTRICTED

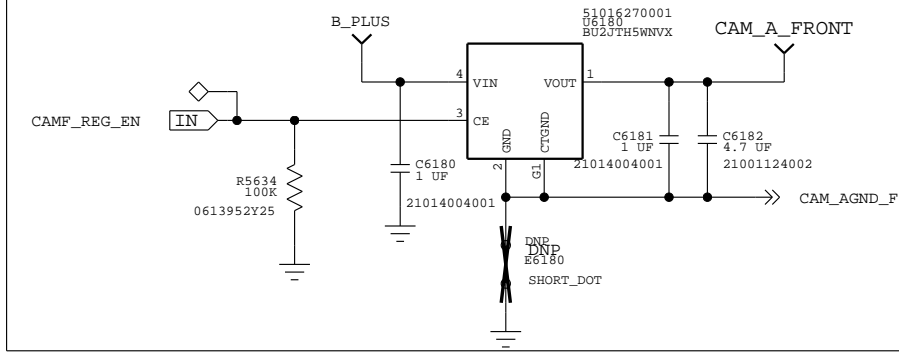
# FRONT CAMERA

REF 5600-5649

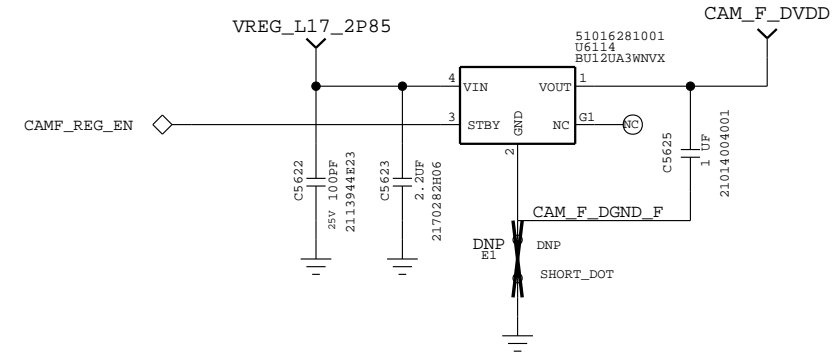
## FF CAMERA CONNECTOR



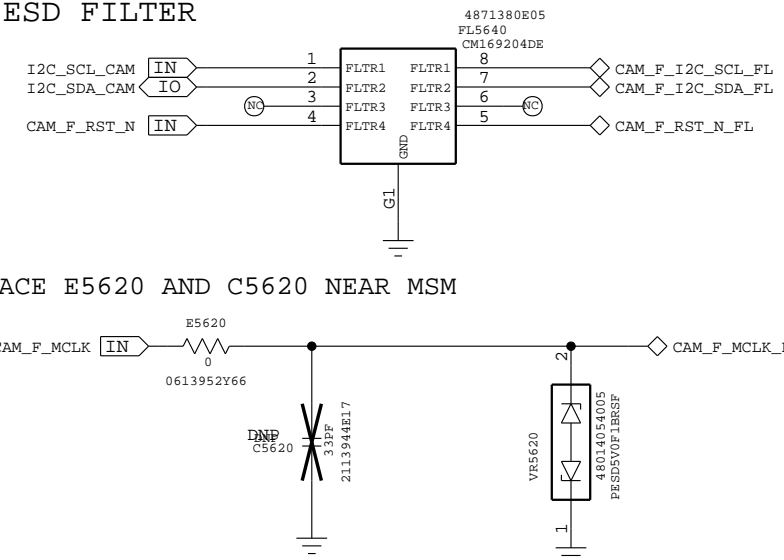
## CAMERA ANALOG FRONT - 2.85V



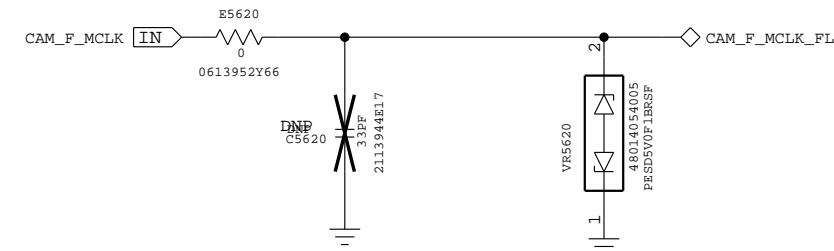
## CAMERA FRONT DVDD - 1.2V



## EMI/ESD FILTER



PLACE E5620 AND C5620 NEAR MSM



### APPROVALS

ENGINEER: JOHN KRAMER

LAST MODIFIED BY: NATE CONNELL  
Thu Oct 01 16:23:25 2015

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BLOCK TITLE:

user\_interface

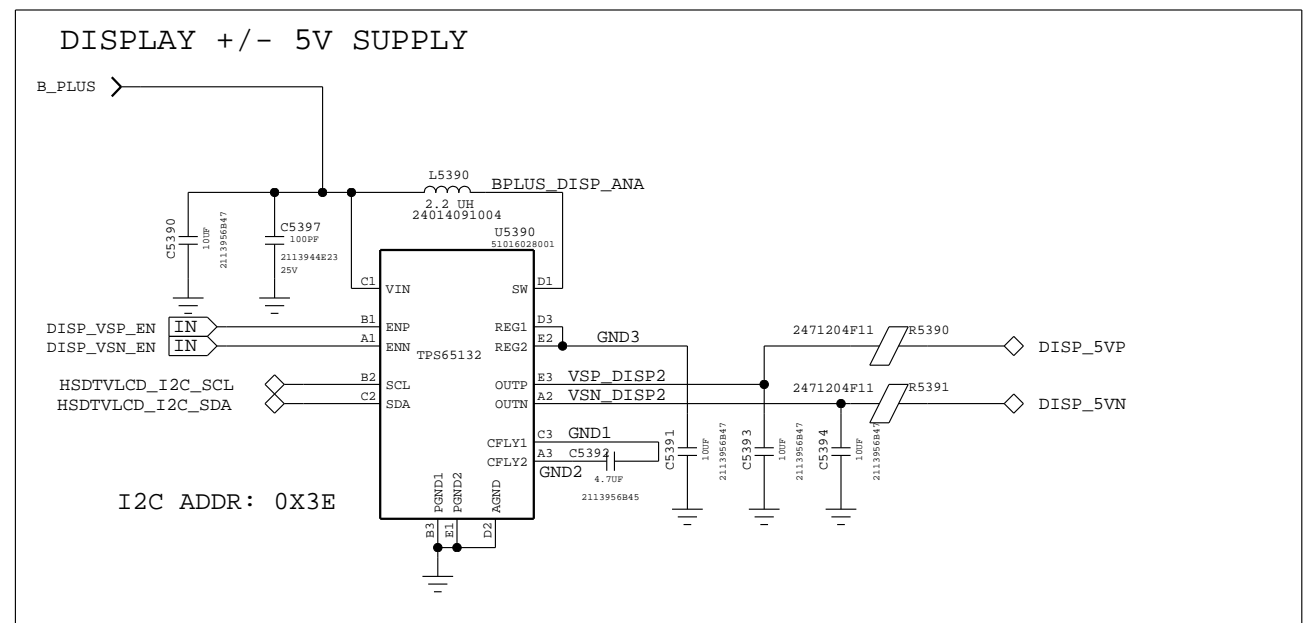
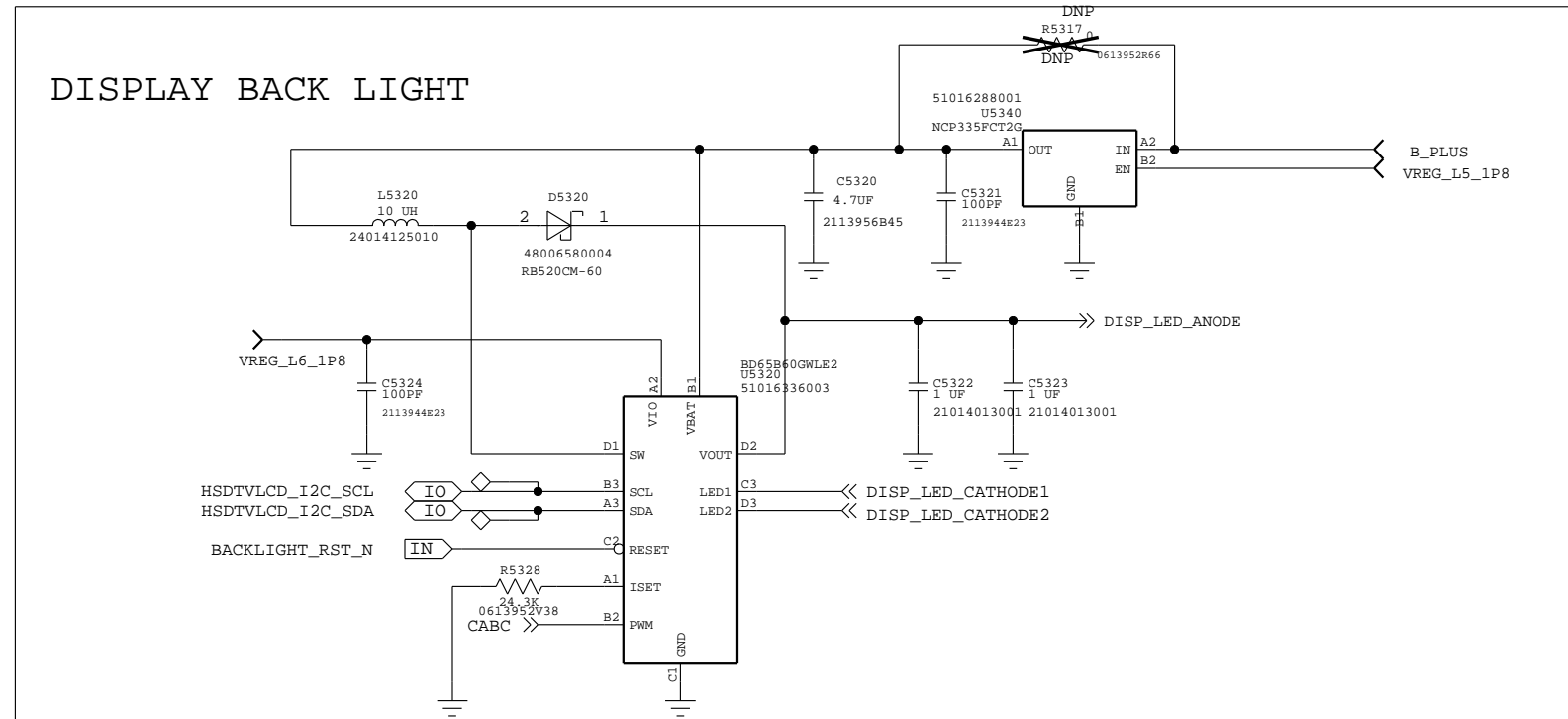
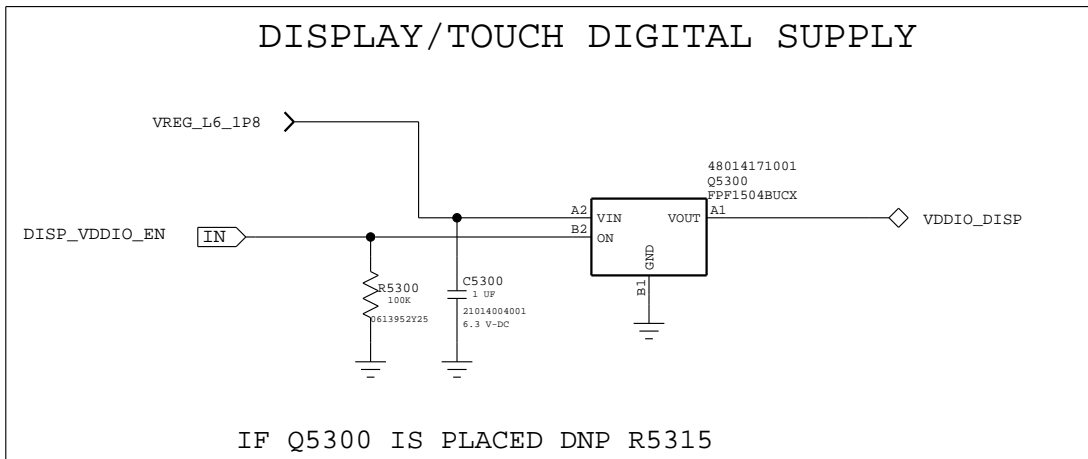
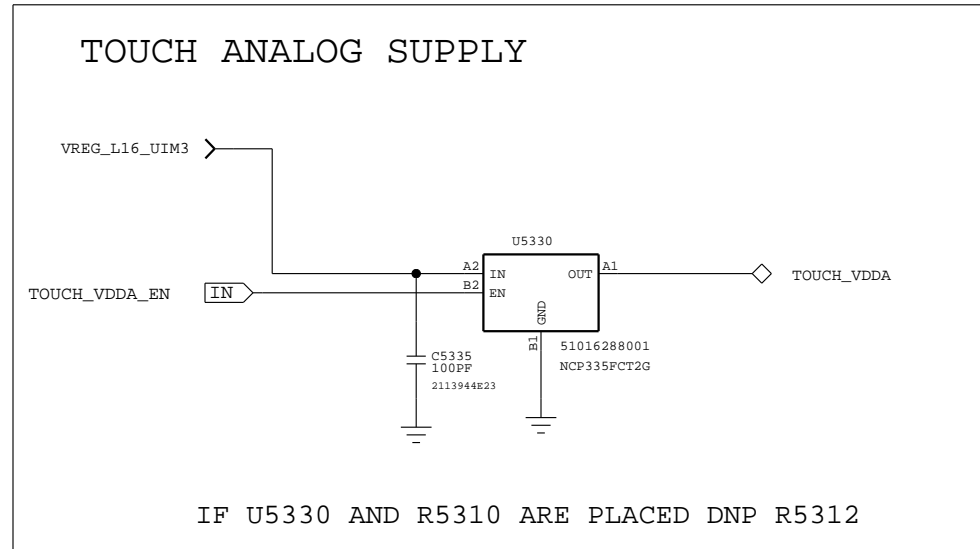
PROJECT NAME  
84016525.cpm

REV  
C

CAD FILE NAME:

# DISPLAY POWER

REF: 5300-5399

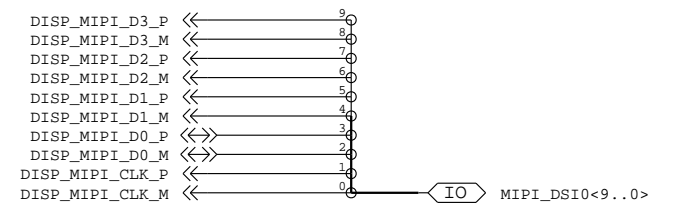
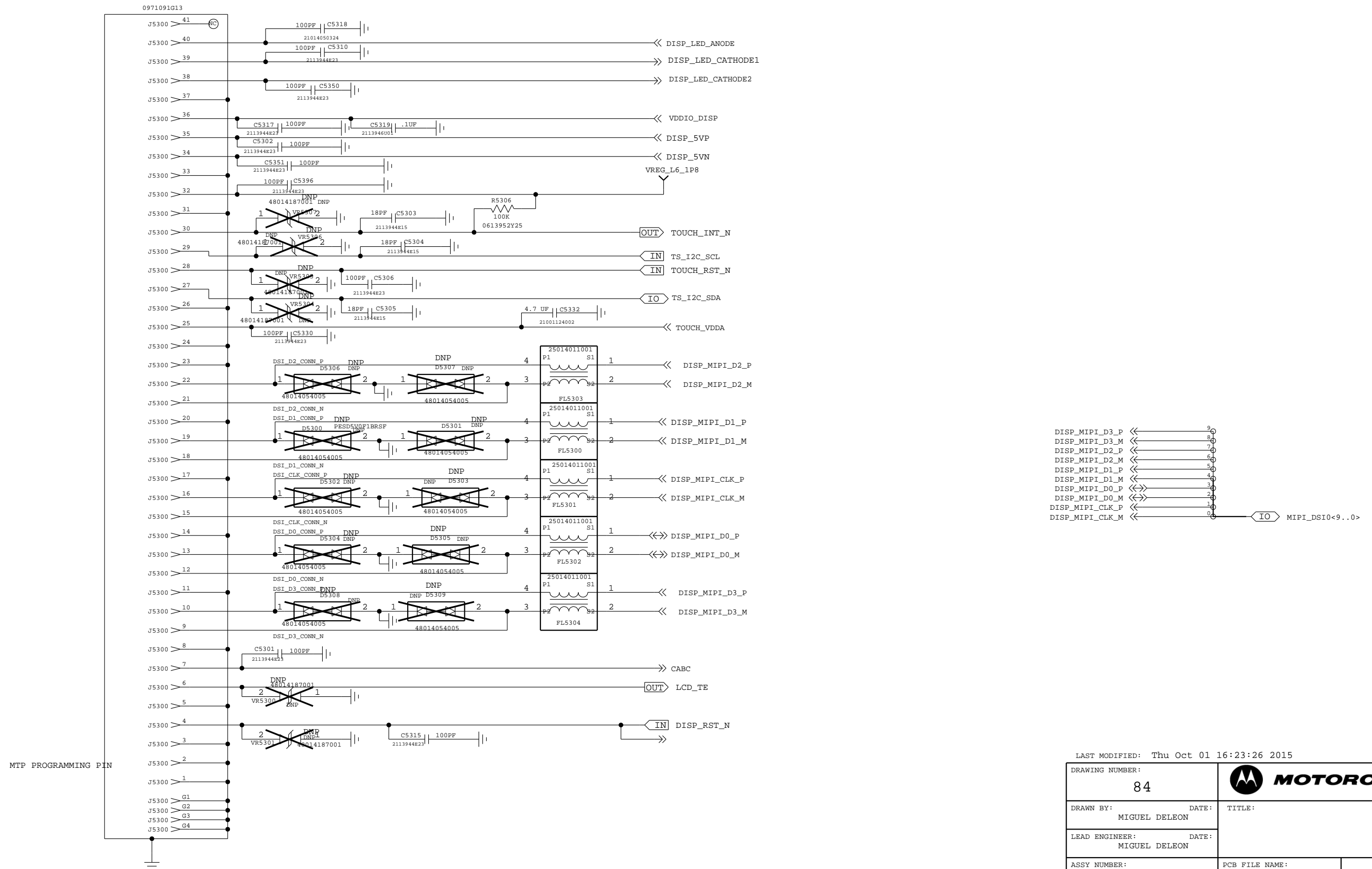


APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MIGUEL DELEON		BLOCK TITLE:	
LAST MODIFIED BY: CARI HERNANDEZ Thu Oct 01 16:54:05 2015		<b>user_interface</b>	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT.          © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME <b>B 84016525.cpm</b>	REV <b>C</b>
		CAD FILE NAME:	
		PAGE 37 OF 47	

# DISPLAY CONNECTOR

REF: 5300-5399

REVISIONS				
REV	ECN	DESCRIPTION	MADE BY	APPROVED



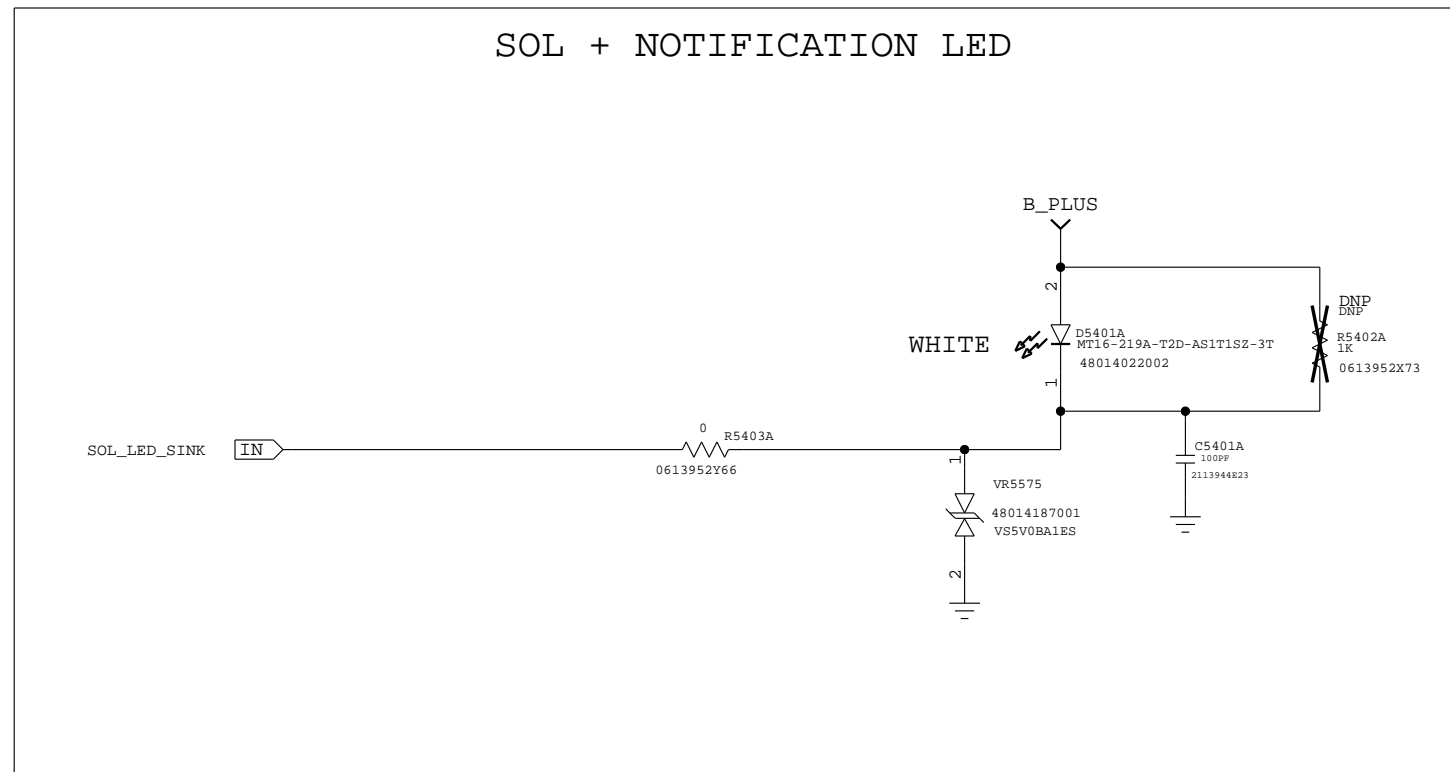
LAST MODIFIED: Thu Oct 01 16:23:26 2015

DRAWING NUMBER: <b>84</b>		<b>MOTOROLA</b>	
DRAWN BY: MIGUEL DELEON	DATE:	TITLE:	REV C
LEAD ENGINEER: MIGUEL DELEON	DATE:		SIZE B
ASSY NUMBER:	PCB FILE NAME:	PAGE 38 OF 47	

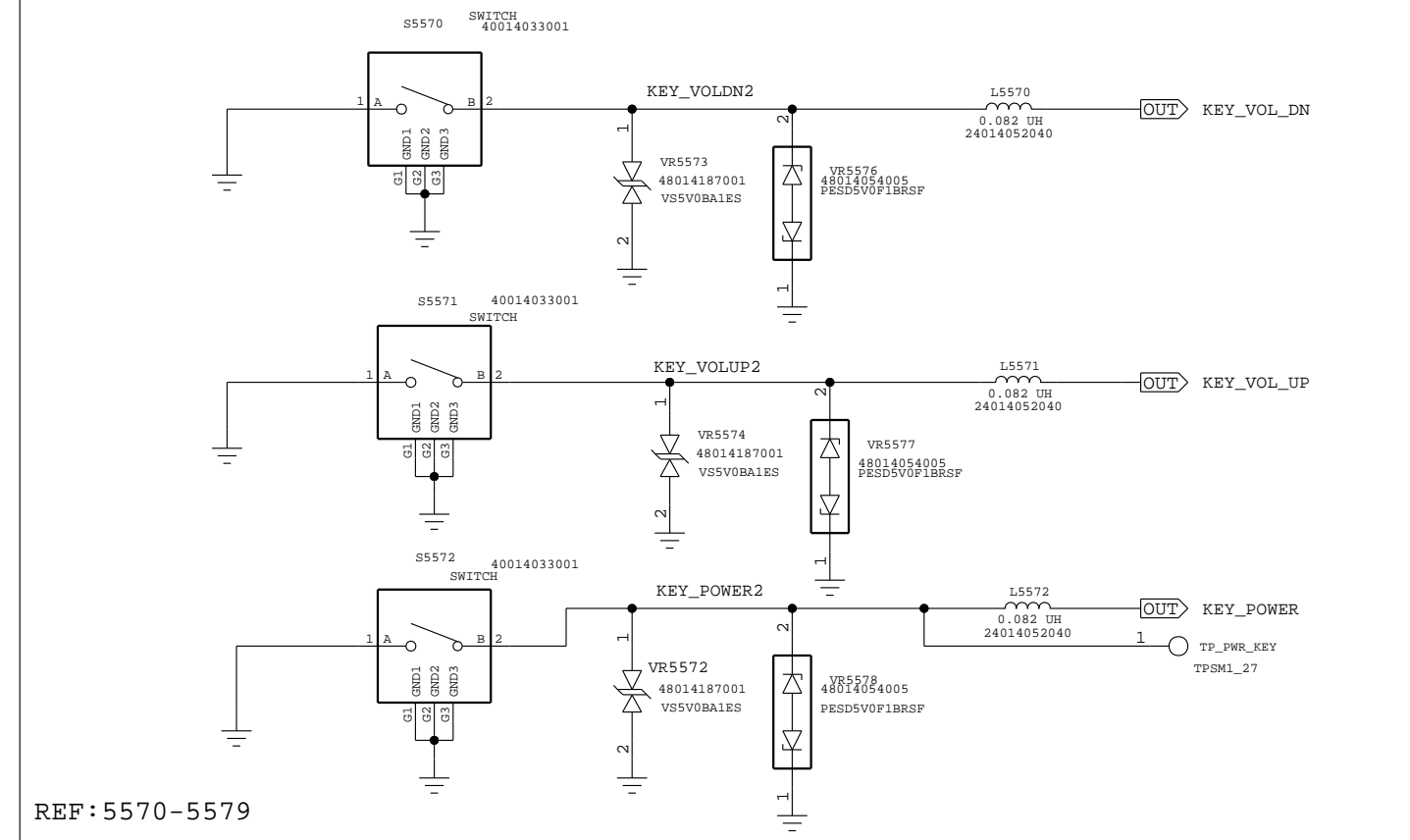
# KEYS AND LEDS

REF

## SOL + NOTIFICATION LED



## MECHANICAL KEYS



REF: 5570-5579

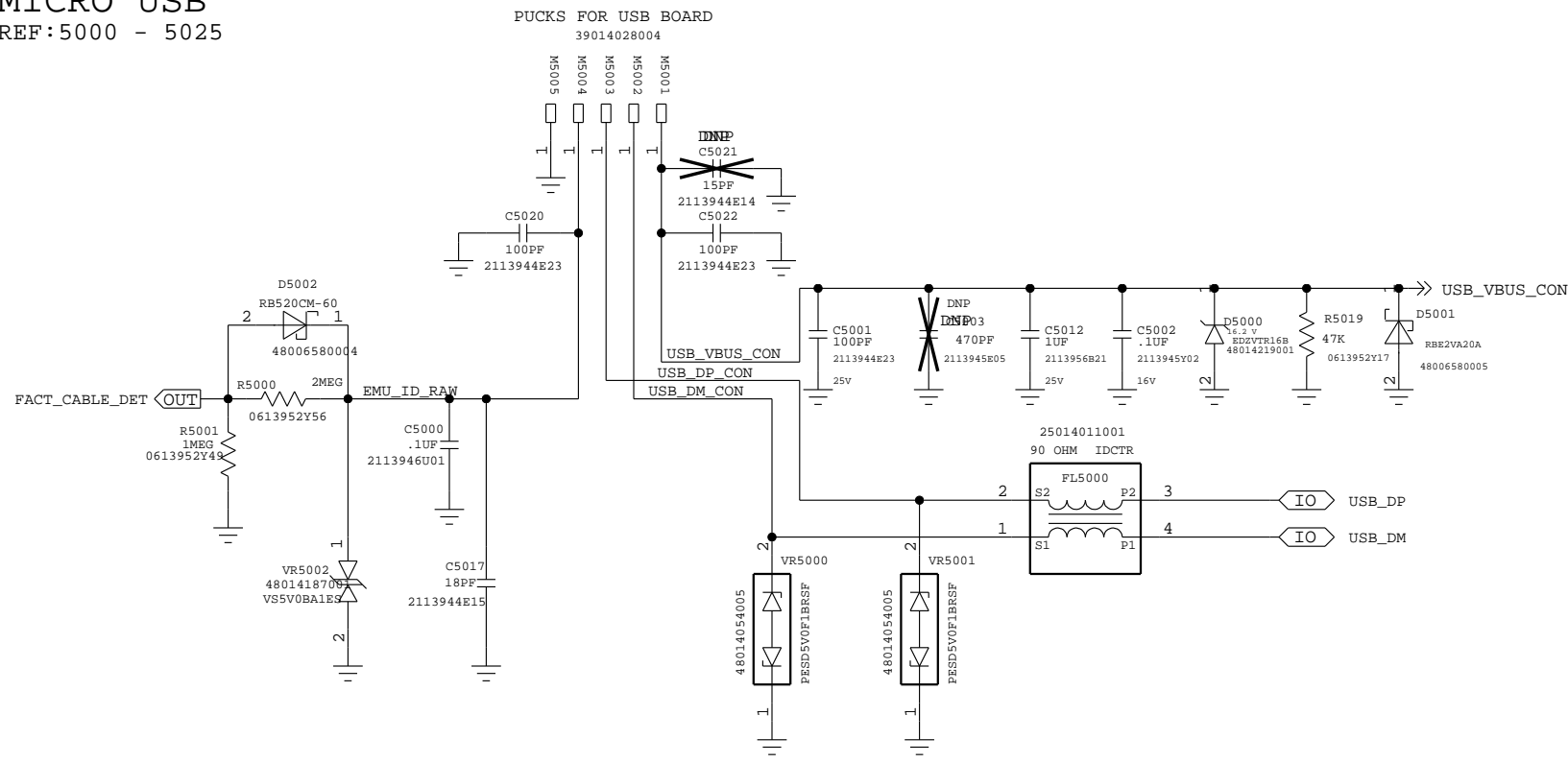
APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: CARI HERNANDEZ		BLOCK TITLE:	
LAST MODIFIED BY: CARI HERNANDEZ Thu Oct 01 16:23:21 2015		user_interface	
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		CAD FILE NAME:	
		PAGE 39 OF 47	

# USB\_BATTERY

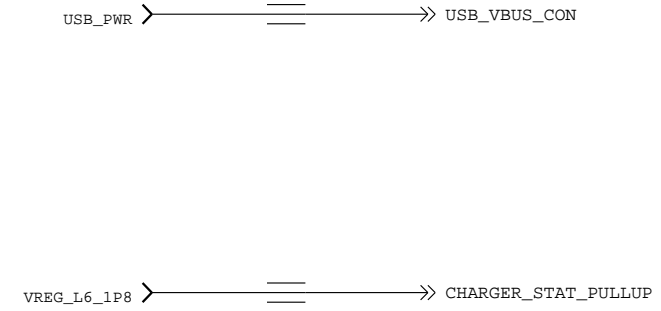
REF:5000 - 5299

## MICRO USB

REF:5000 - 5025

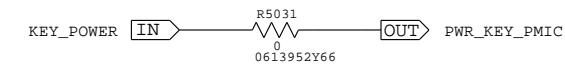


## SUPPLIES



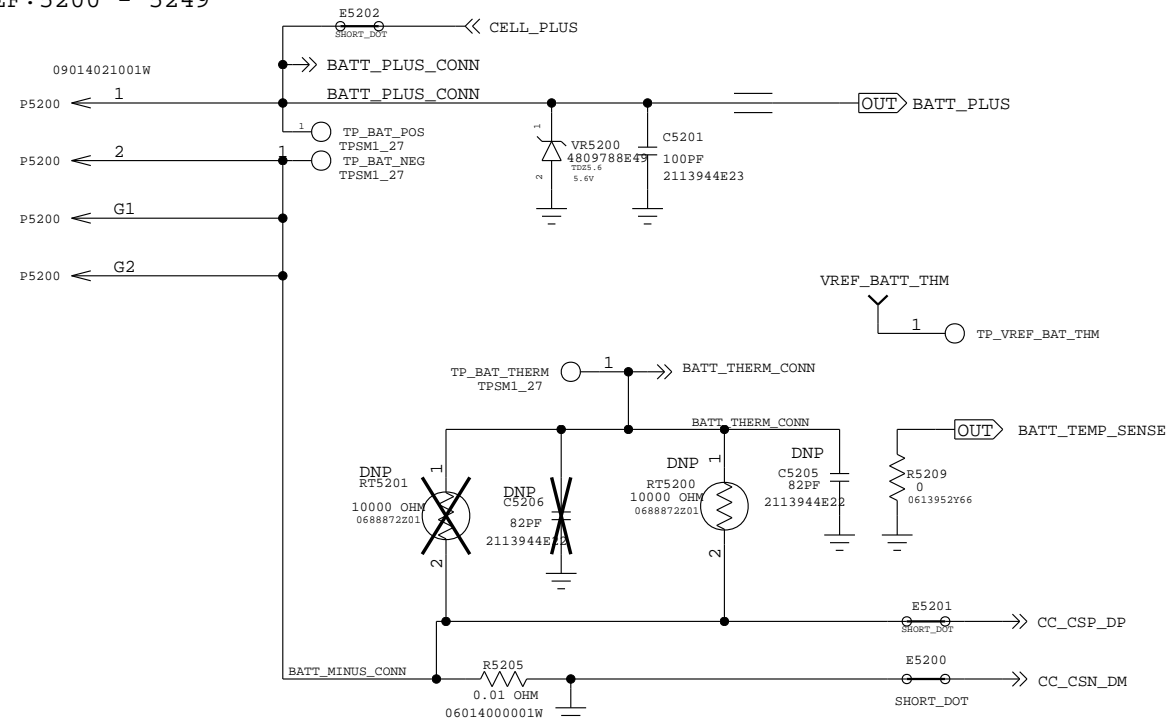
## KUNG POW BATTERY DISCONNECT

REMOVED



## BATTERY BLOCK

REF:5200 - 5249



### APPROVALS

ENGINEER: XIAOYU WANG

LAST MODIFIED BY: NATE CONNELL  
Thu Oct 01 16:23:25 2015

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BLOCK TITLE:

user\_interface

PROJECT NAME  
B 84016525.cpm

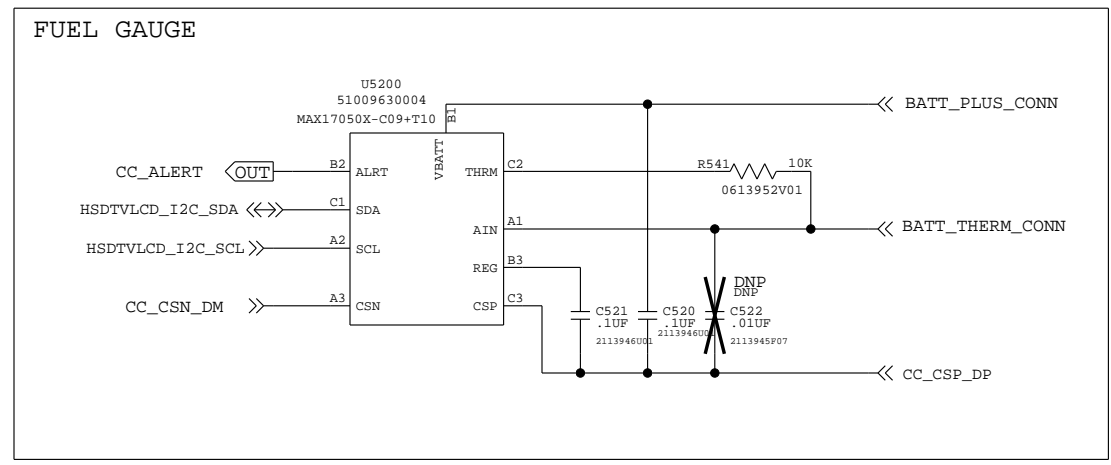
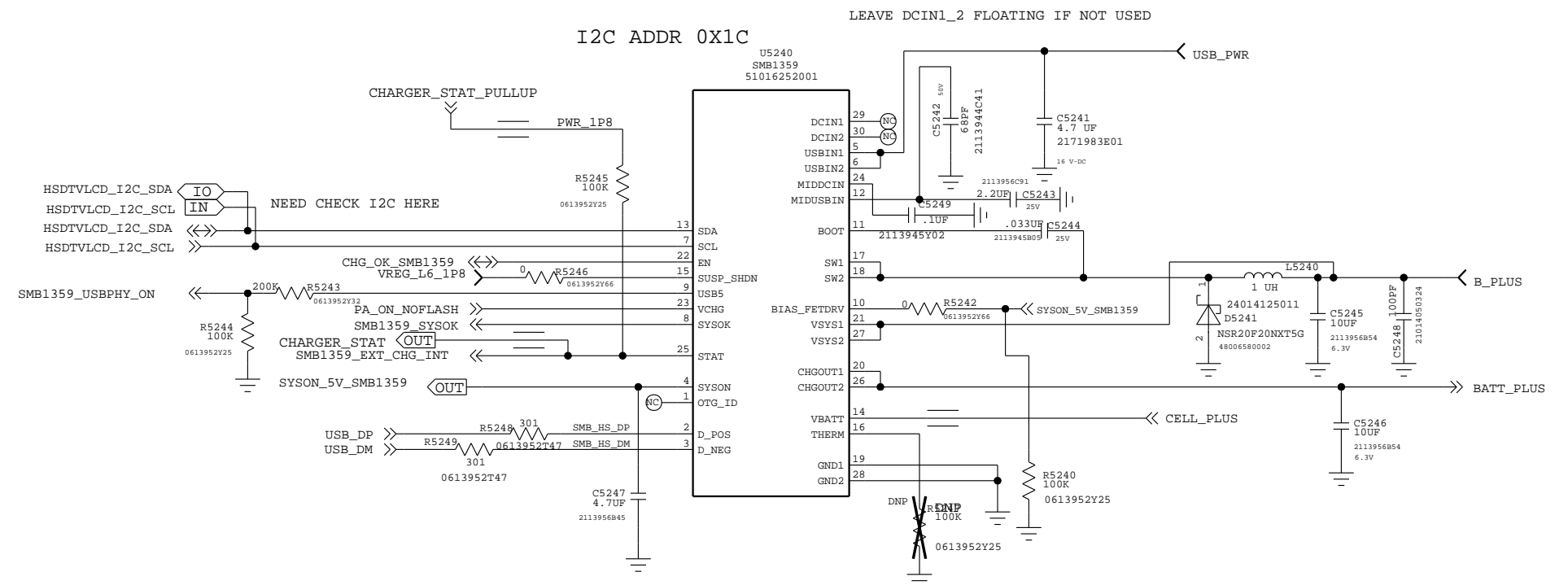
REV  
C

CAD FILE NAME:

PAGE 40 OF 47



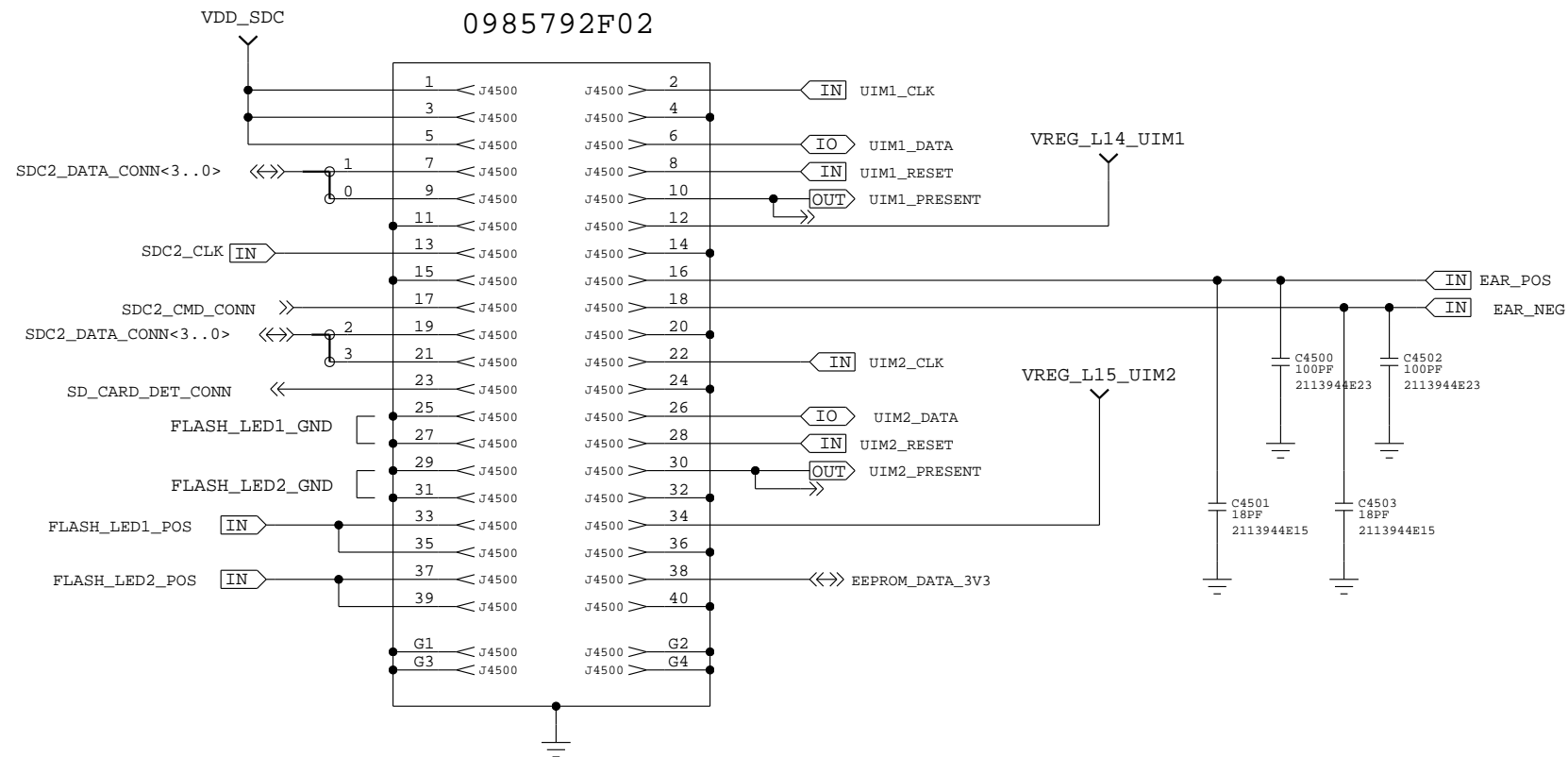
# CHARGING



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI Thu Oct 01 16:23:21 2015		user_interface	
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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		CAD FILE NAME:	PAGE 41 OF 47

# DAUGHTER BOARD CONNECTOR

REF 4500-4599

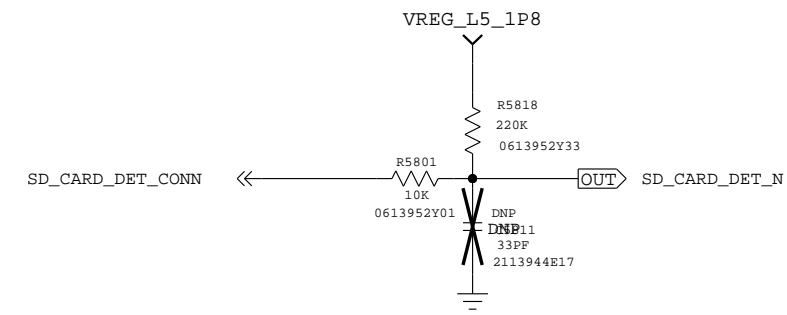
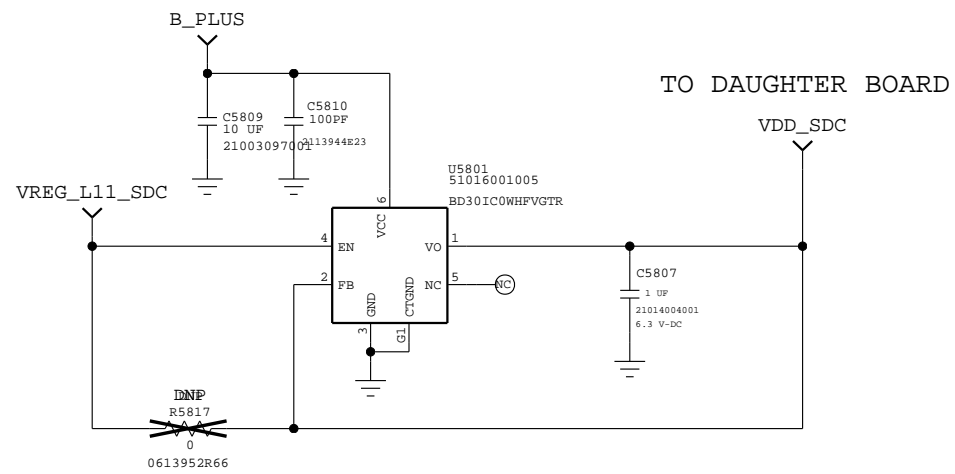


MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDR TRACKED TRACKEDANDBLOCKED

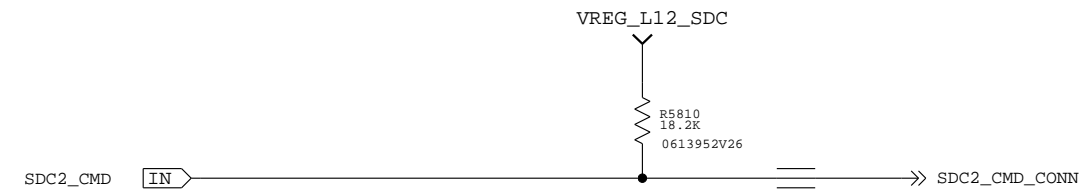
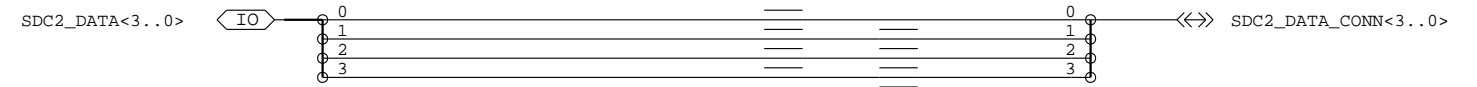
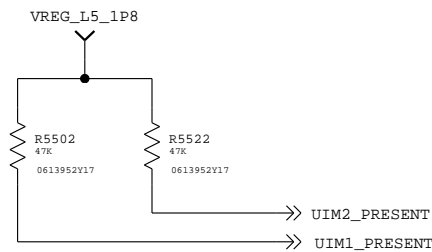
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ENGINEER: CARI HERNANDEZ		BLOCK TITLE:	
LAST MODIFIED BY: CARI HERNANDEZ Thu Oct 01 16:23:28 2015		daughter_board_conn	
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		B 84016525.cpm	C
CAD FILE NAME:		PAGE 42 OF 47	

# SIM/SD/FLASH CARD SUPPORT

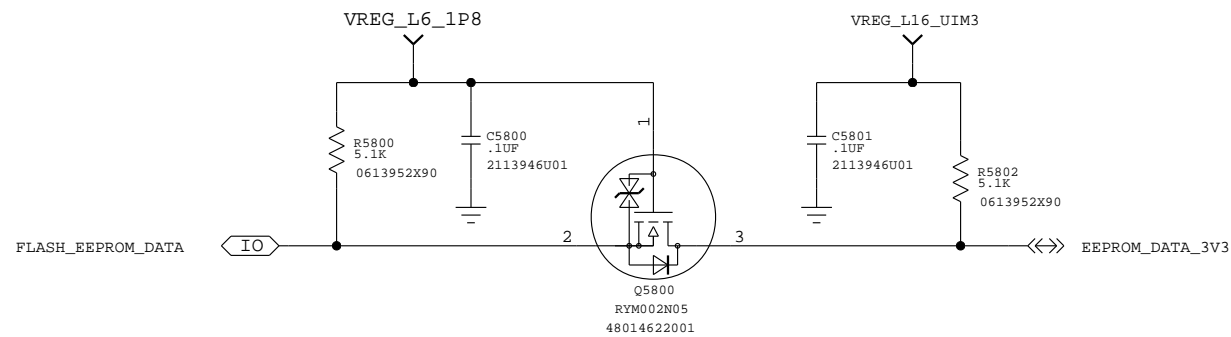
## SD CARD POWER SUPPLY



## PULLUPS FOR SIM DETECT



## LEVEL SHIFT FOR FLASH LED EEPROM DATA

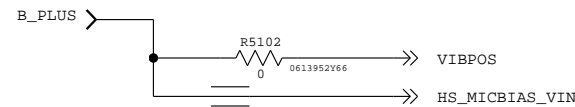
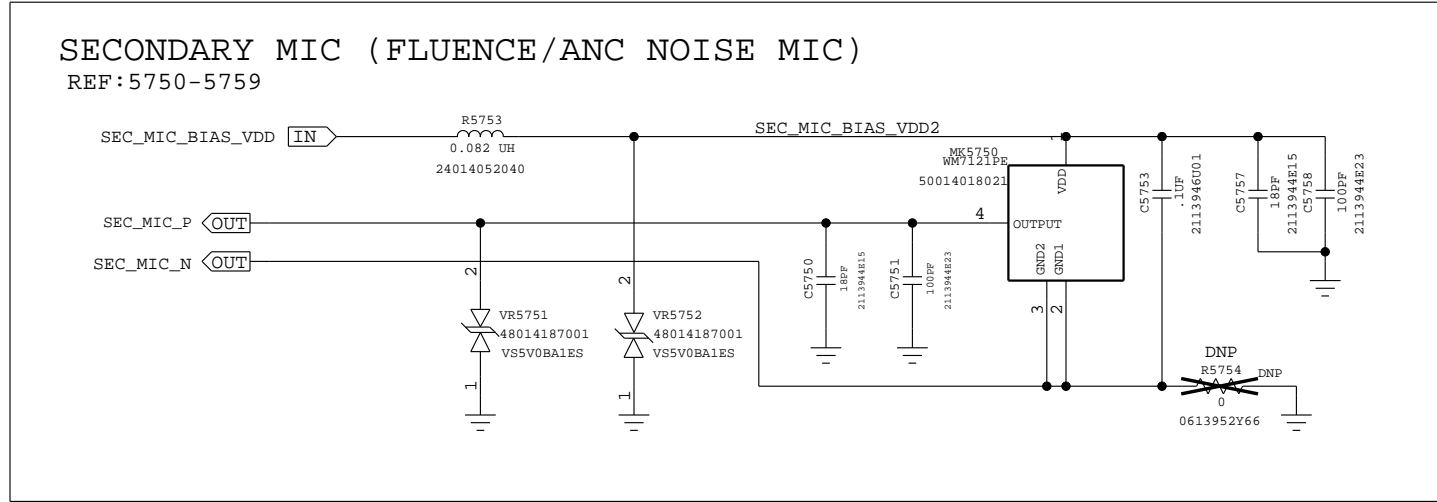
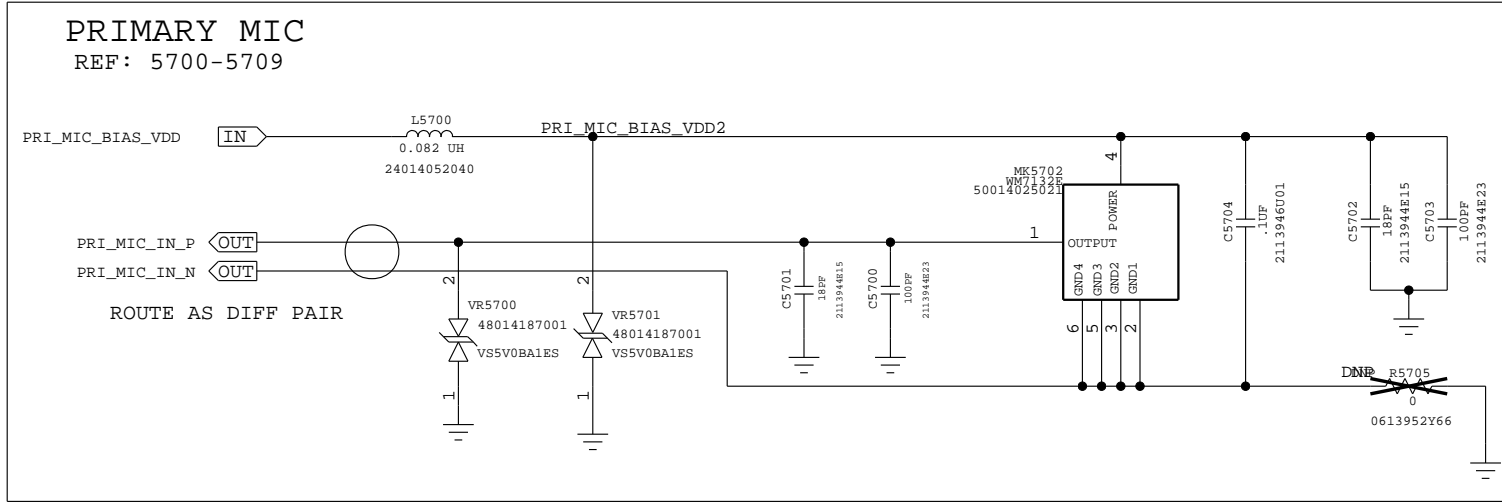


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APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: CARLOS TORRES		BLOCK TITLE:	
LAST MODIFIED BY: CARLOS TORRES Thu Oct 01 16:23:29 2015		daughter_board_conn	
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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		CAD FILE NAME:	
		PAGE 43 OF 47	

# MICS

REF: 5700-5799

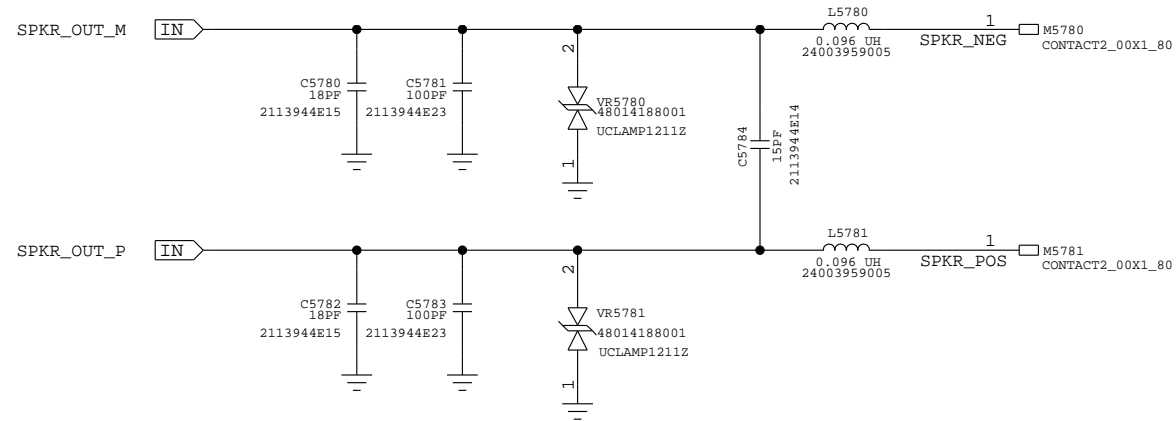


APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: DENNIS BUDNICK		BLOCK TITLE:	
LAST MODIFIED BY: NATE CONNELL Thu Oct 01 16:23:30 2015		audio_fe	
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CAD FILE NAME:		PAGE 44 OF 47	

# SPEAKER\_VIB

## LOUDSPEAKER

REF:5780-5789



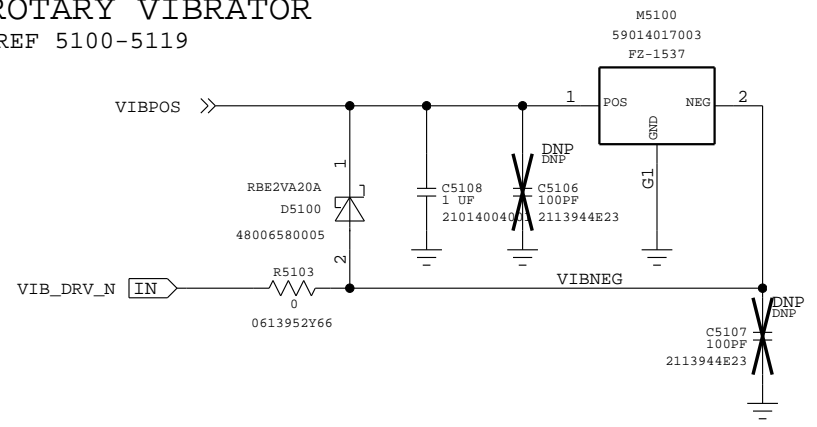
## EARPIECE TRANSDUCER

REF:5780-5789

EARPIECE MOVED TO DAUGHTER CARD

## ROTARY VIBRATOR

REF 5100-5119



### APPROVALS

ENGINEER: DENNIS BUDNICK

LAST MODIFIED BY: TIM MILLER  
Thu Oct 01 16:23:31 2015

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BLOCK TITLE:

audio\_fe

PROJECT NAME  
B 84016525.cpm

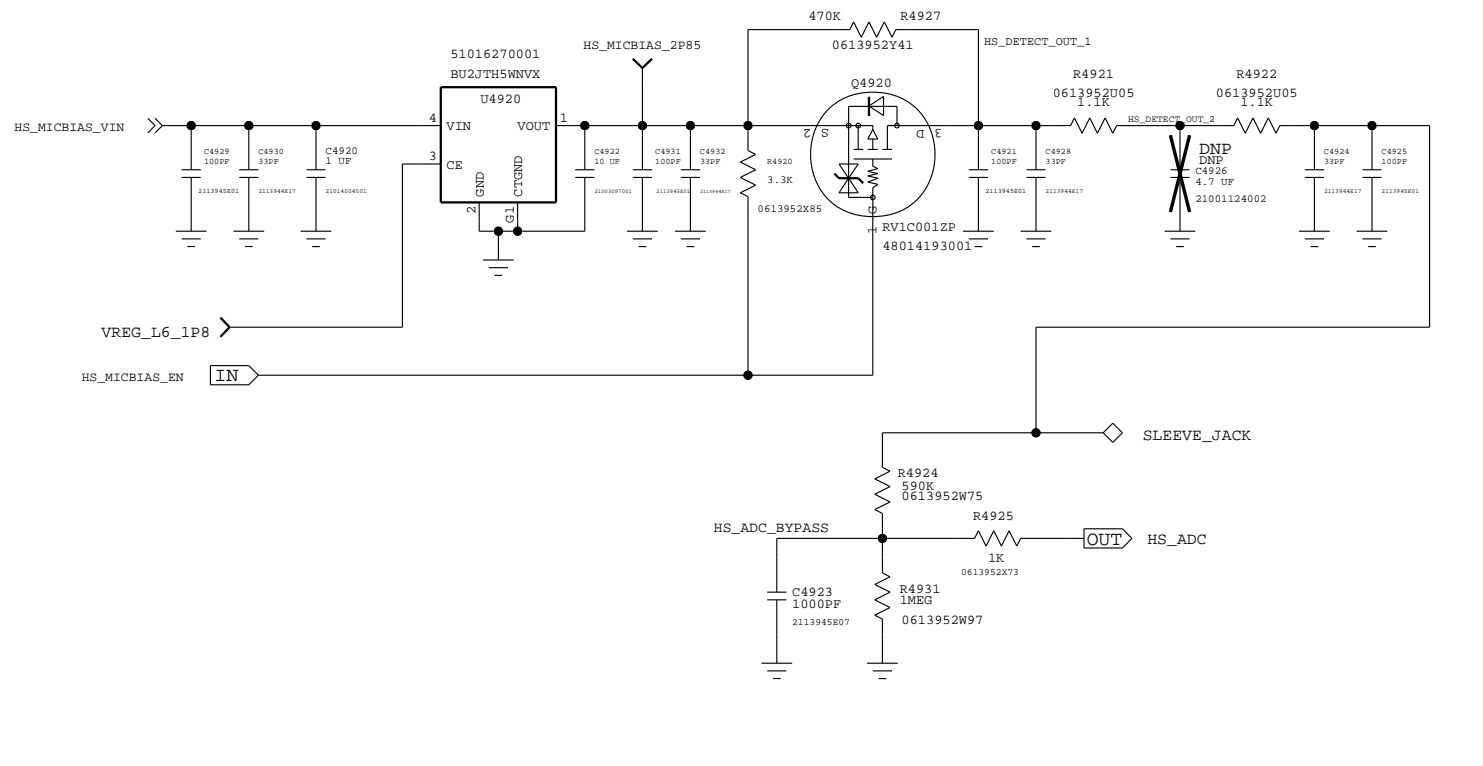
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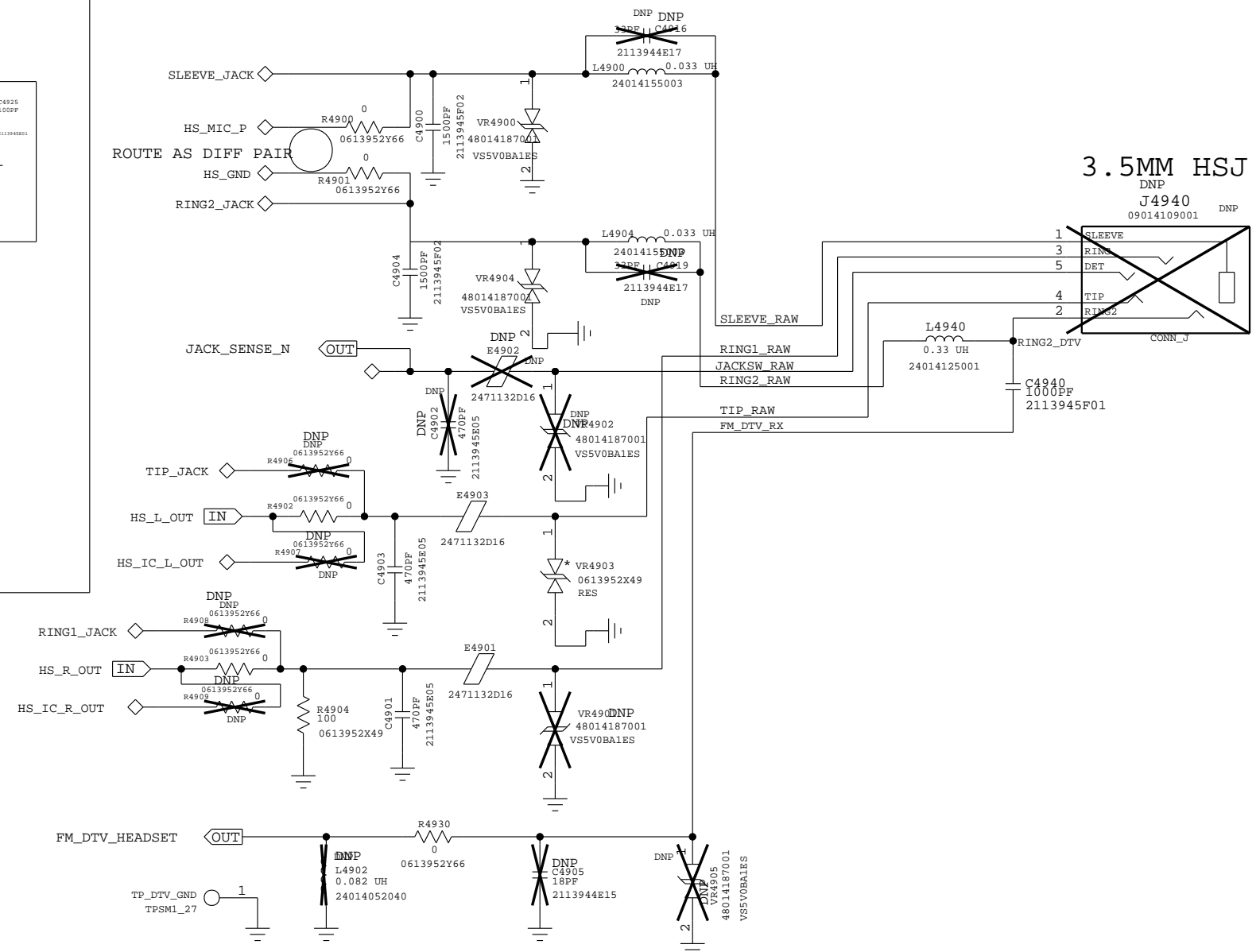
PAGE 45 OF 47

# 3.5MM HEADSET

SENSOR HUB HEADSET DETECTION CIRCUIT

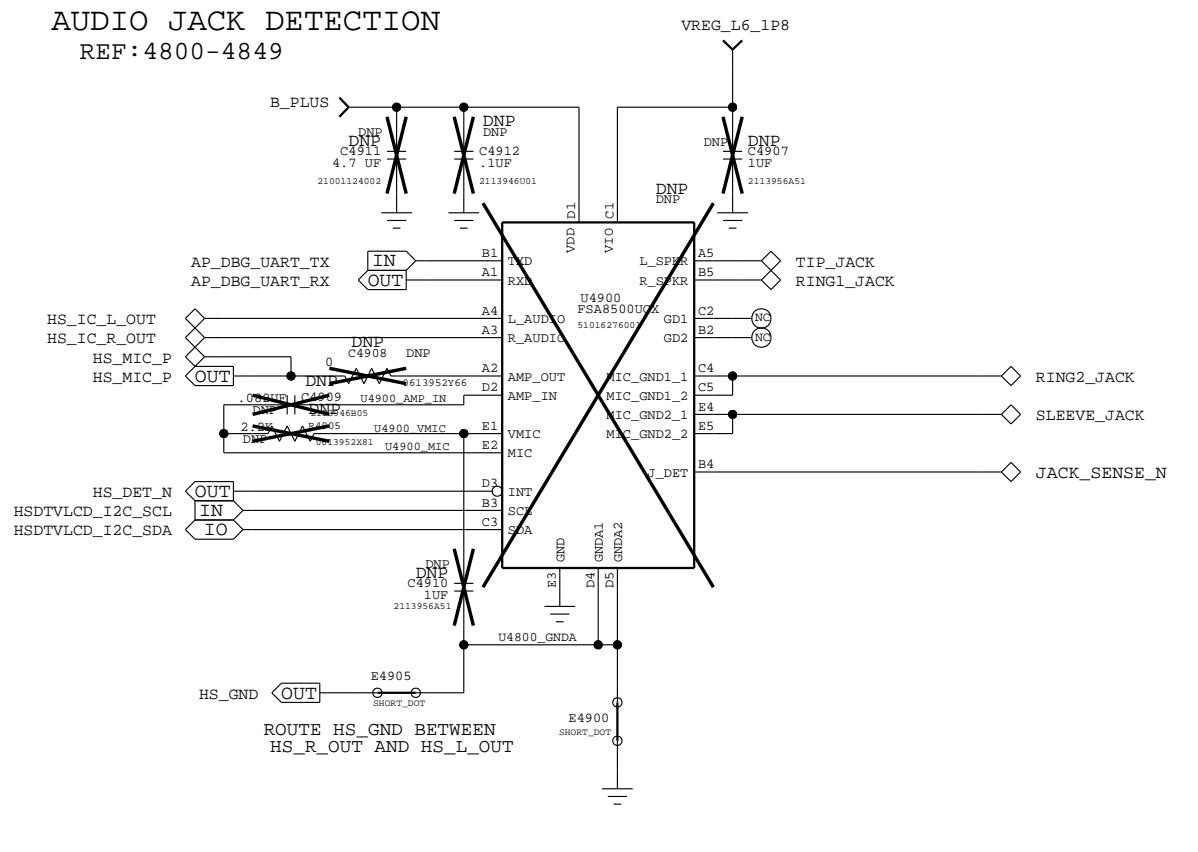


REF:4900-4949



AUDIO JACK DETECTION

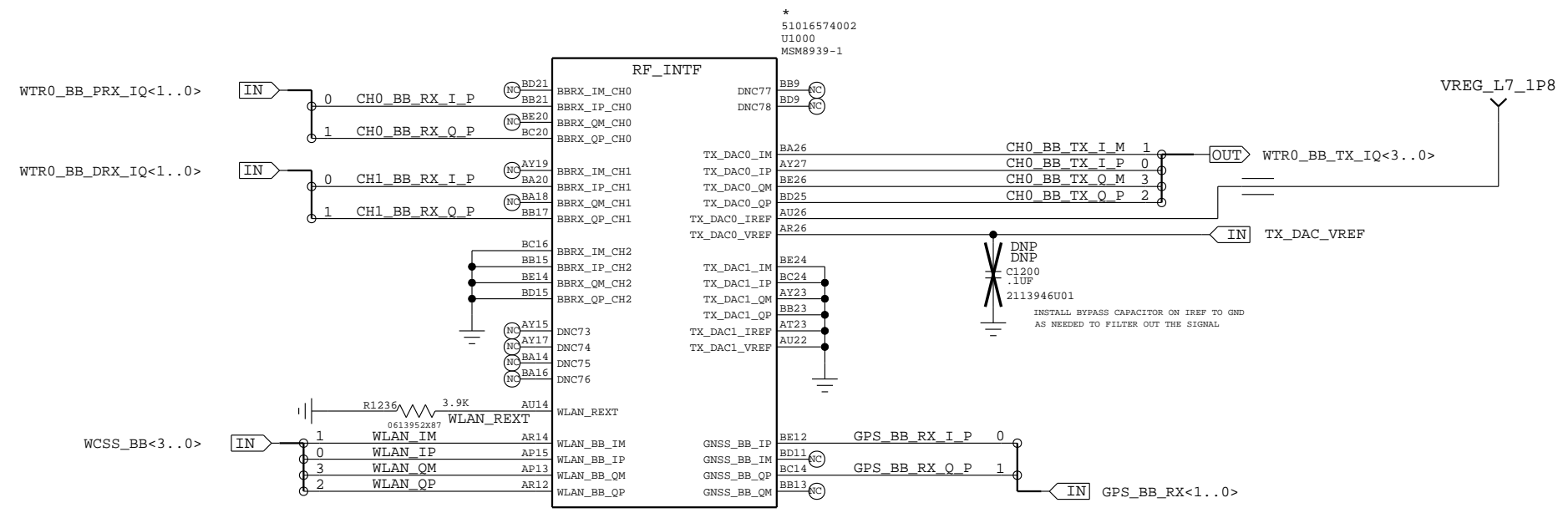
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APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MMI		BLOCK TITLE:	
LAST MODIFIED BY: MMI		audio_fe	
Fri Oct 09 16:33:15 2015			
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	REV
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		CAD FILE NAME:	
		PAGE 46 OF 47	

# MSM8X36 RF INTERFACE

## REF 1200-1299



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

APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER:		BLOCK TITLE:	
LAST MODIFIED BY: FAN021 Thu Oct 01 16:23:32 2015		<b>block_msm8x16_rf</b>	
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		CAD FILE NAME:	
		PAGE 47 OF 47	