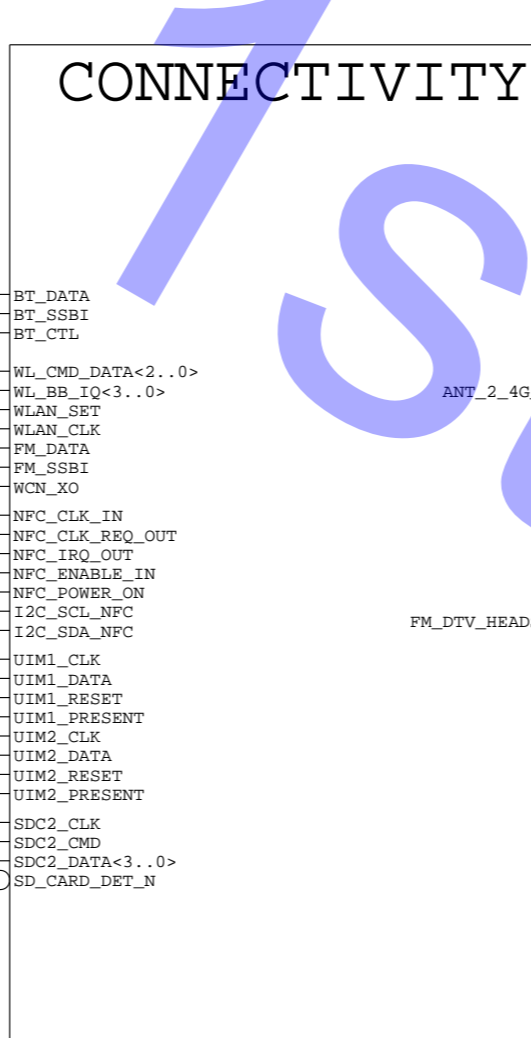
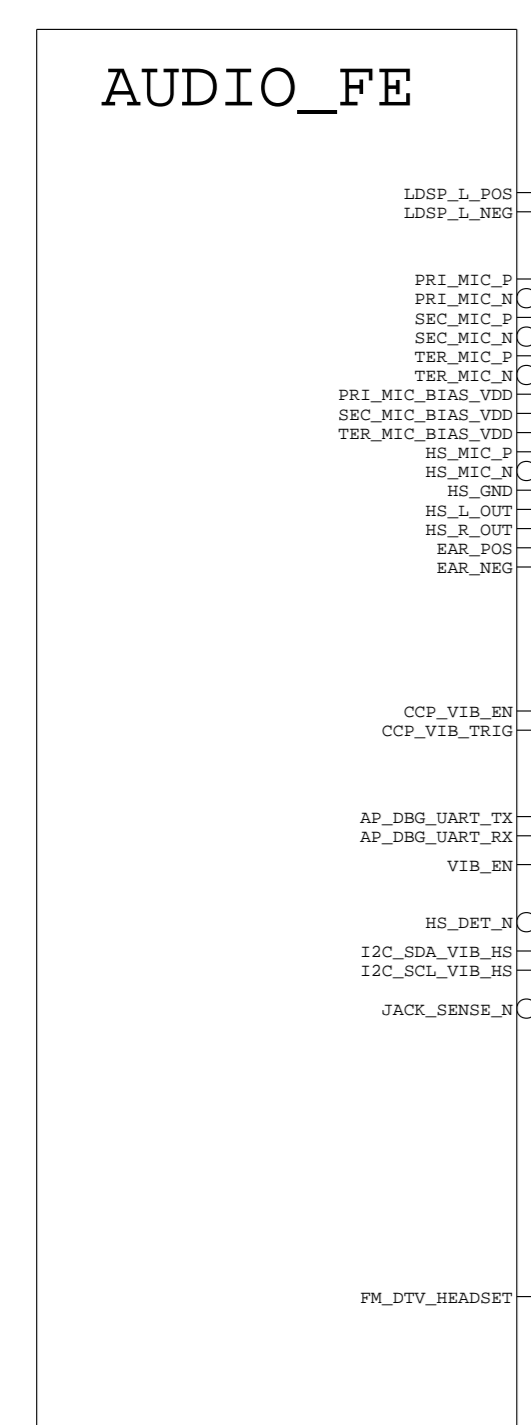


LYNX Rev A TOP SYSTEM 4.0

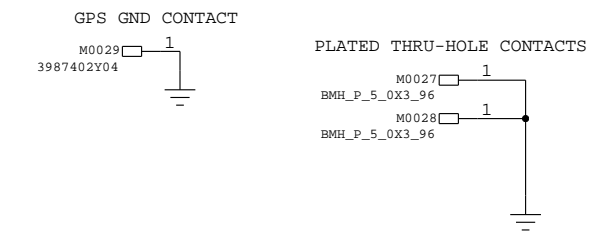
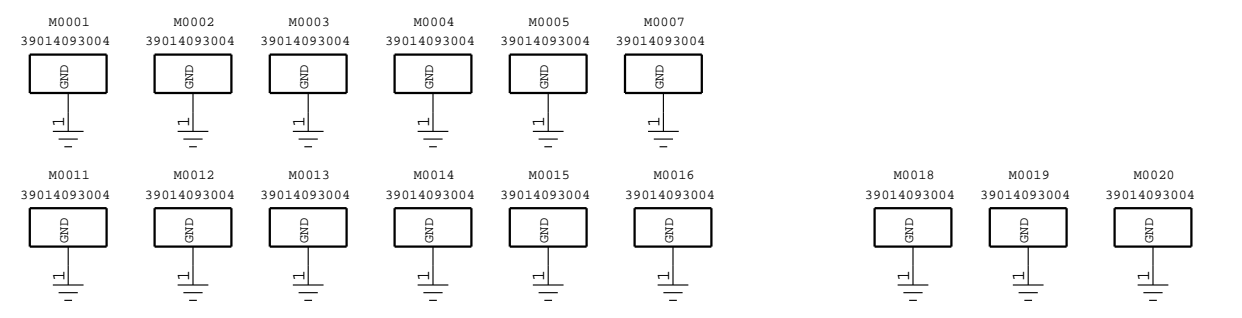
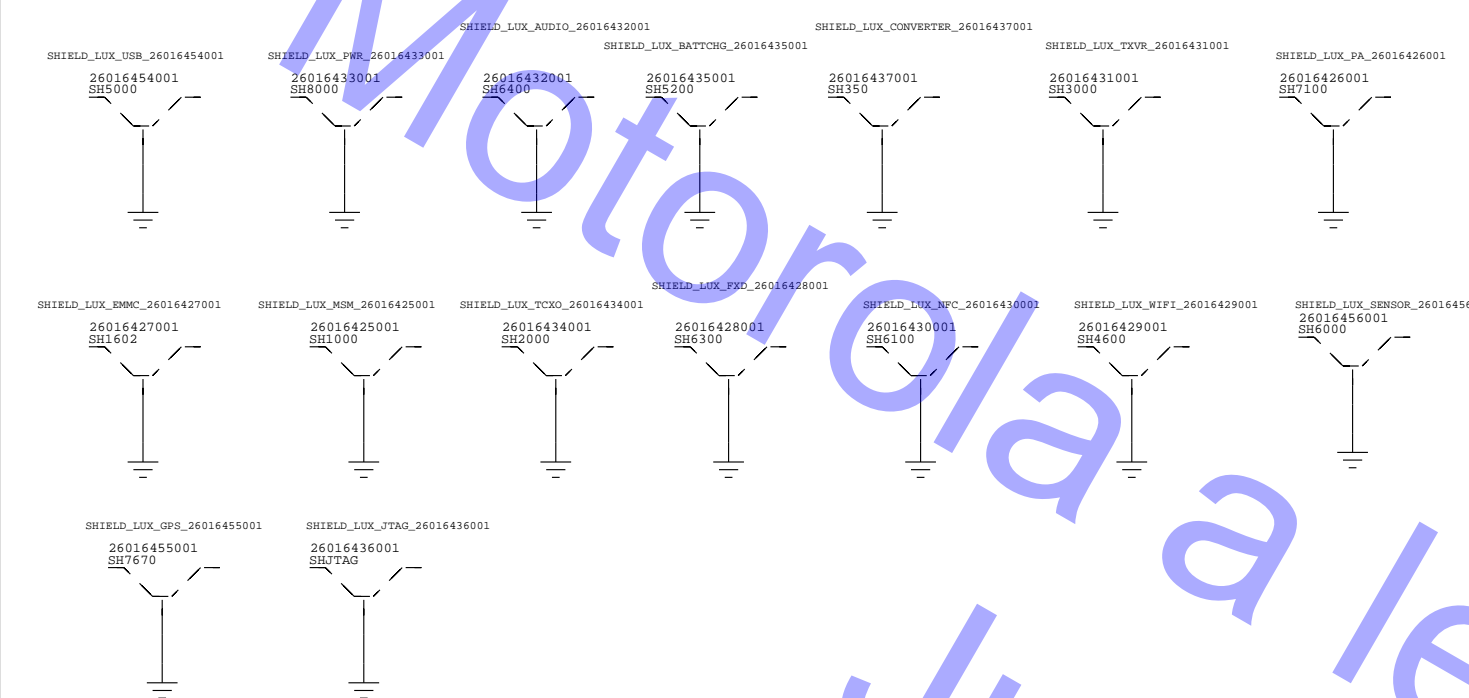
| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| ZONE | LTR | DESCRIPTION | DATE | APPROVED |
| | | | | |



MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

| APPROVALS | | MOTOROLA MOBILE DEVICES | |
|--|--|-------------------------|-------------------|
| ENGINEER: MOTOROLA MOBILITY | | BLOCK TITLE: | 84016439001_a |
| LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:34 2015 | | PROJECT NAME: | 84016439001_a.cpm |
| MOTOROLA CONFIDENTIAL RESTRICTED | | REV | 01 |
| THE DRAWING OF THIS PRINT AND INFORMATION THEREON ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCLOSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION. | | CAD FILE NAME: | |
| | | | PAGE 1 OF 51 |

LYNX ME / SHIELDS



LYNX REFERENCE DESIGNATOR RANGES BY BLOCK

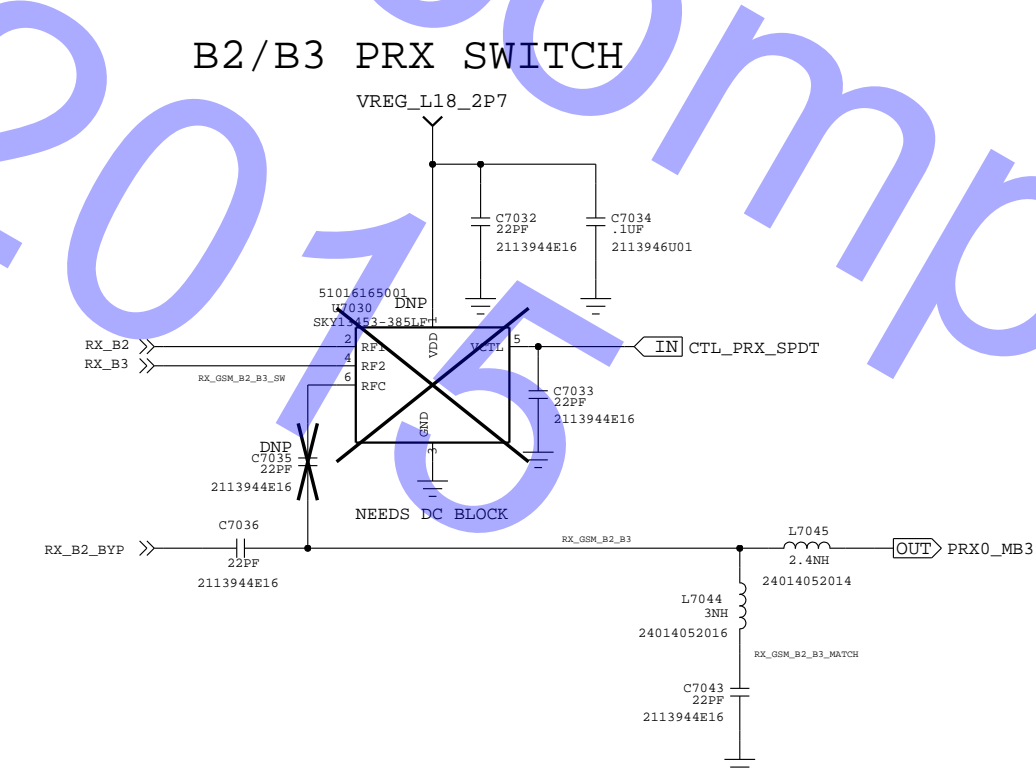
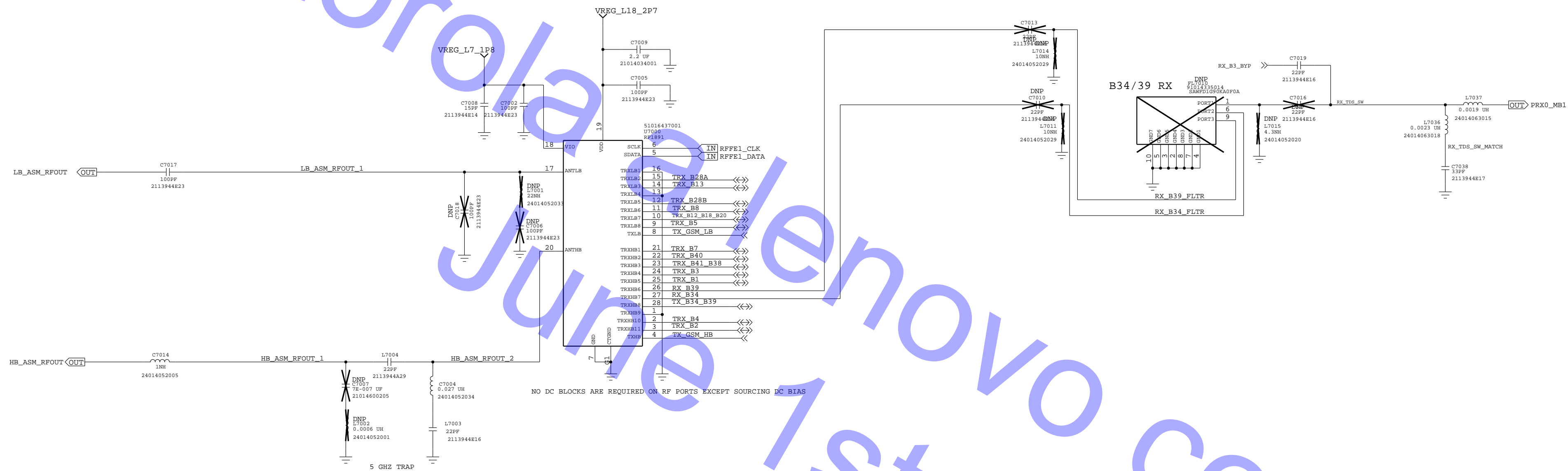
- 000 - 499: ANTENNA
- 500 - 599: USER INPUT
- 600 - 799: POWER
- 1000-2999:
- 1600-1699: MEMORY
- 2000-2999: PM8916
- 3000-3199: WTR4905
- 4000-4499: CONNECTIVITY
- 4500-4999: AUDIO FE
- 5300-5399: DISPLAY
- 5500-5999: CAMERA
- 6000-6999: [REDACTED]
- 7000-7799, 8000-8020: RFFE
- 7800-7899: WTR2605-DSDA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

| | | | | | |
|--|--|-----------------------------------|-----------|----------------|--|
| MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED | | | | | |
| APPROVALS | MOTOROLA MOBILE DEVICES | | | | |
| ENGINEER: | BLOCK TITLE: 84016439001_a | | | | |
| LAST MODIFIED BY: Mon Apr 27 11:29:34 2015 | | | | | |
| 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> | <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">PROJECT NAME 84016439001_a.cpm</td> <td style="width: 50%;">REV 01</td> </tr> <tr> <td colspan="2">CAD FILE NAME:</td> </tr> </table> | PROJECT NAME 84016439001_a.cpm | REV 01 | CAD FILE NAME: | |
| PROJECT NAME 84016439001_a.cpm | REV 01 | | | | |
| CAD FILE NAME: | | | | | |
| | PAGE 2 OF 51 | | | | |

RFFE: TRX SWITCH

REF 7000-7099

| REVISIONS | | | | |
|-----------|-----|-------------|---------|----------|
| REV | ECN | DESCRIPTION | MADE BY | APPROVED |
| | | | | |



SKY13453-385LF Truth Table

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

LAST MODIFIED: Mon Apr 27 11:29:28 2015

DRAWING NUMBER: 84

DRAWN BY: DATE: TITLE: REV 01

LEAD ENGINEER: DATE: SIZE C

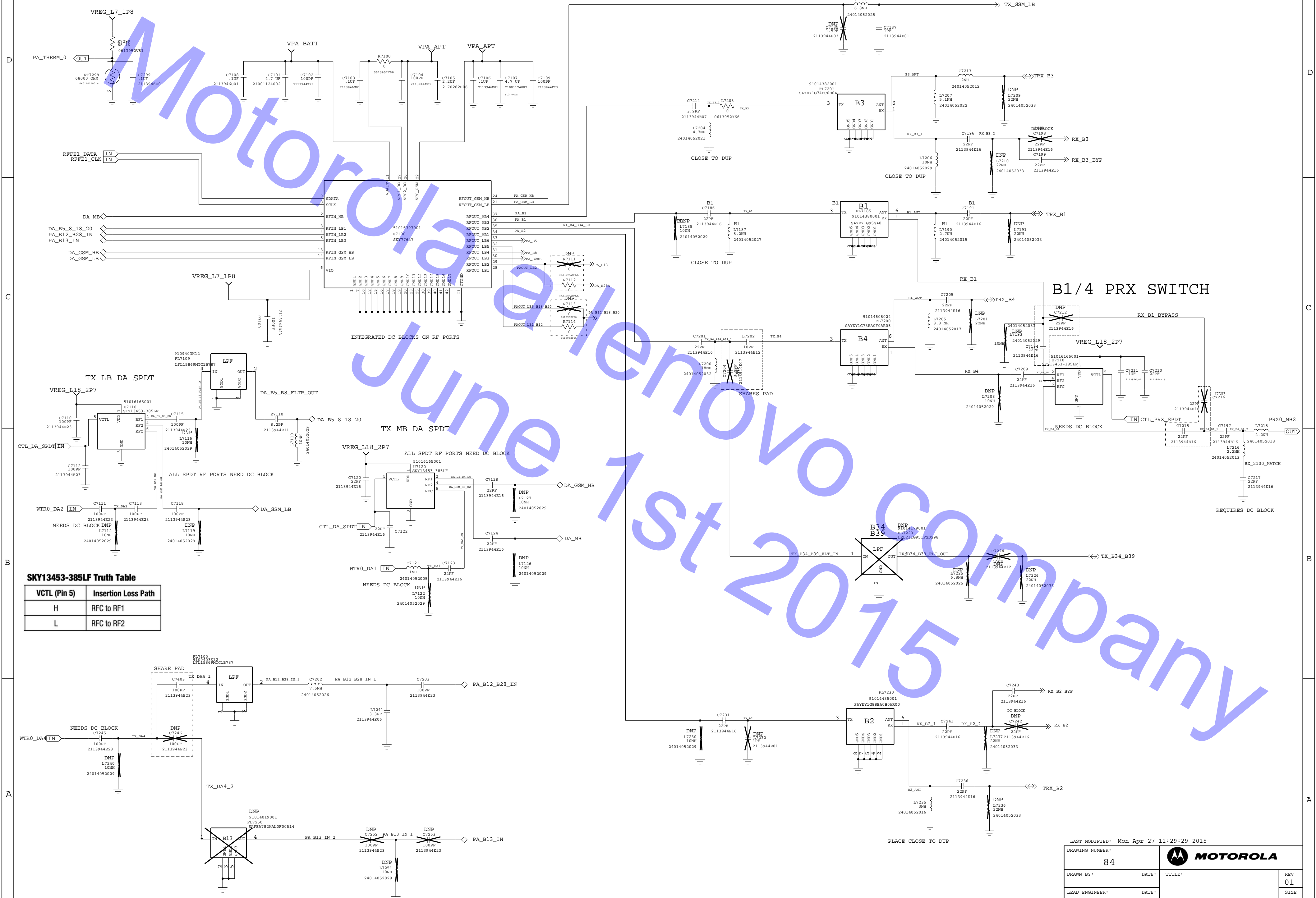
ASSY NUMBER: PCB FILE NAME: PAGE 3 OF 51

MOTOROLA

RFFE:MMMBPA

REF 7100-7299

| REVISIONS | | | | |
|-----------|-----|-------------|---------|----------|
| REV | ECN | DESCRIPTION | MADE BY | APPROVED |
| | | | | |



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

| | |
|------------------------------|----------------|
| DRAWING NUMBER: 84 | MOTOROLA |
| DRAWN BY: | DATE: |
| LEAD ENGINEER: | DATE: |
| ASSY NUMBER: | PCB FILE NAME: |

REV 01
SIZE C
PAGE 4 OF 51

MOTOROLA CONFIDENTIAL RESTRICTED

RFFE: HBPA

REF 7300-7399

D

C

B

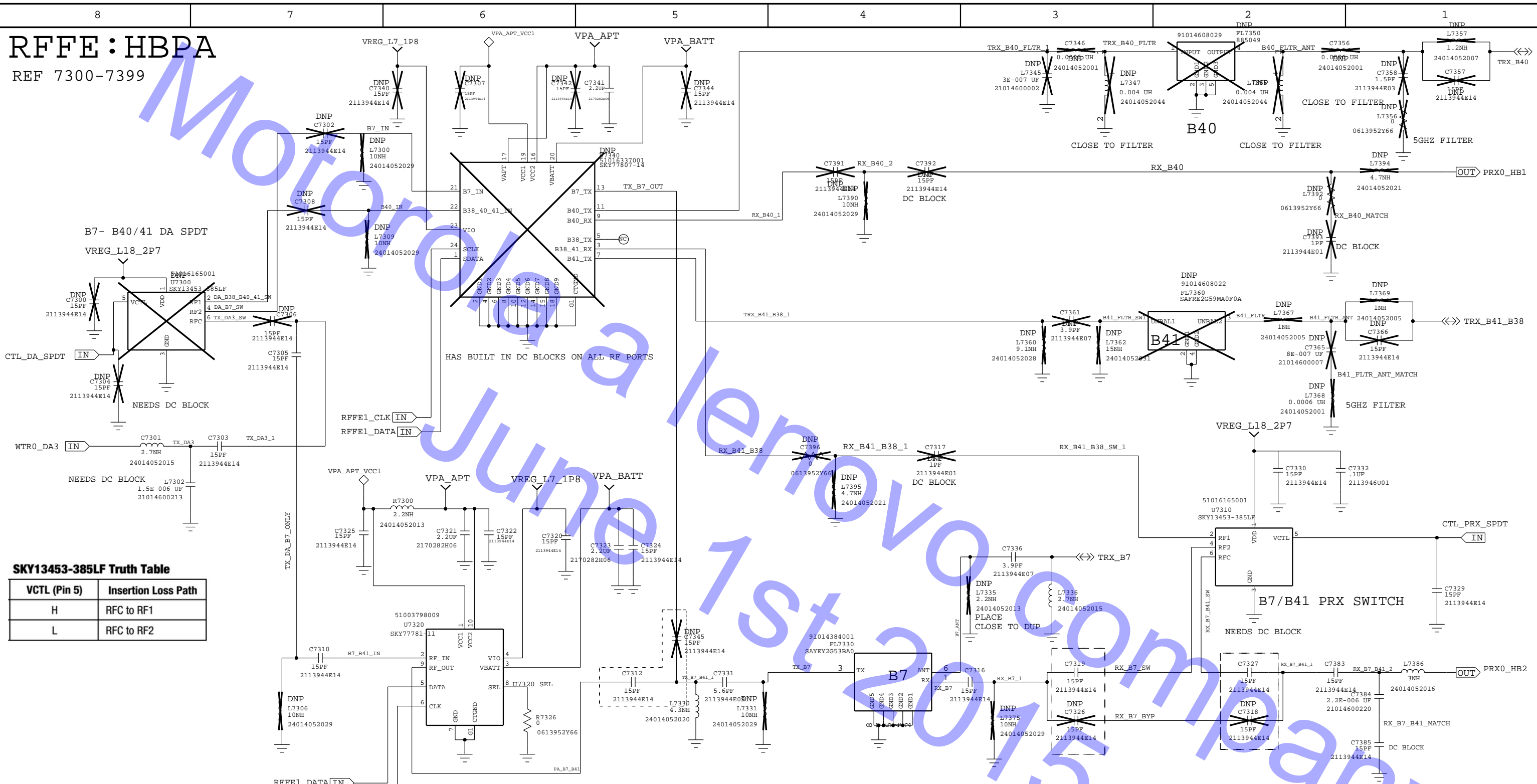
A

D

C

B

A



SKY13453-385LF Truth Table

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

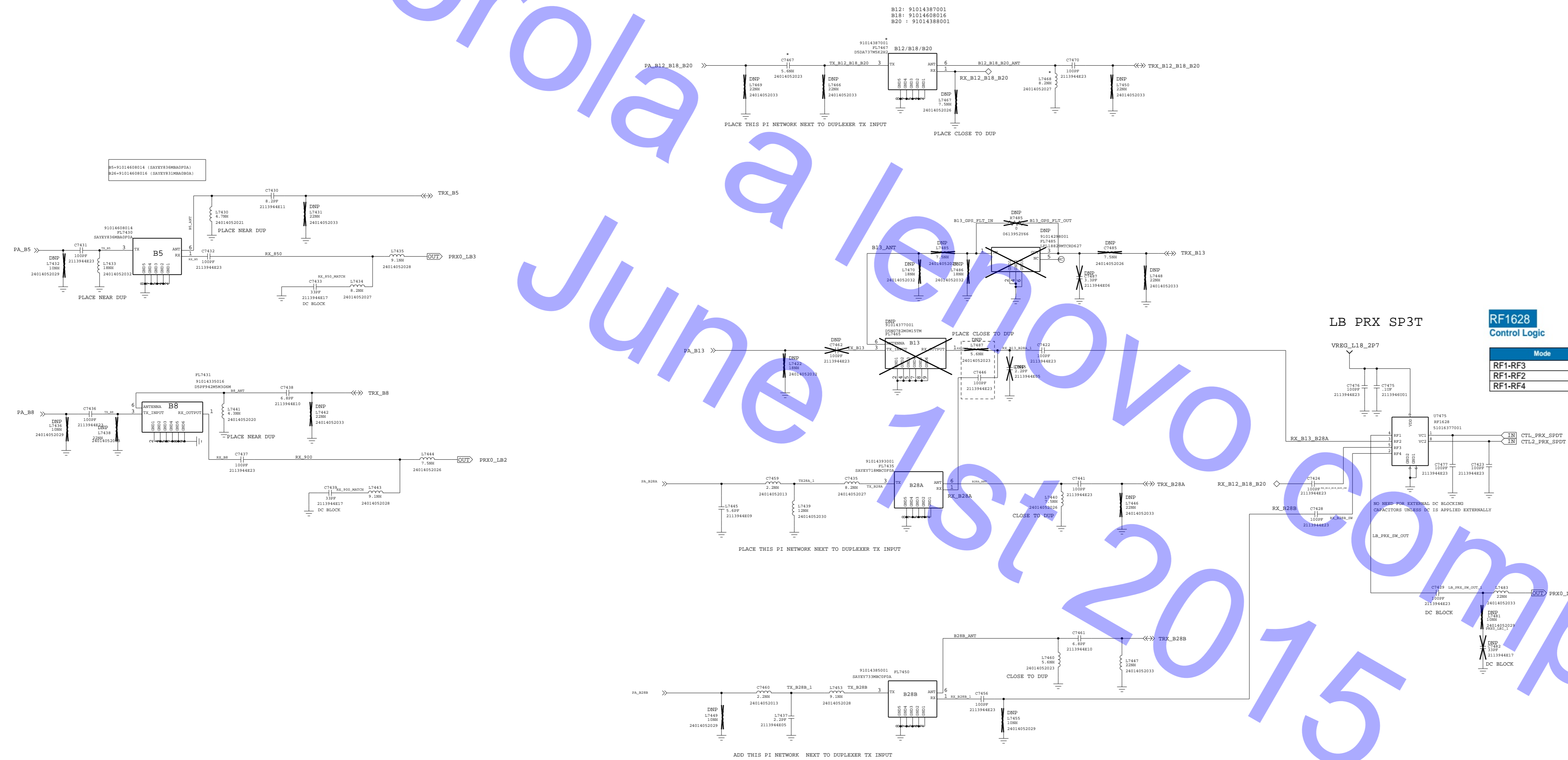
FOR MULTIPLE VENDOR CAPATIBILITY
 B7=SKY77781-11, R7326=PLACED

| | | | |
|--|--|-------------------------------------|--------------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MMI | | BLOCK TITLE: | |
| LAST MODIFIED BY: MMI | | block_rffe | |
| Wed Apr 29 15:22:07 2015 | | | |
| 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 B 84016439001_a.cpm | REV 01 |
| | | CAD FILE NAME: | PAGE 5 OF 51 |

RFFE : LB DUPLEXERS

REF 7400-7499

| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| ZONE | LTR | DESCRIPTION | DATE | APPROVED |
| | | | | |

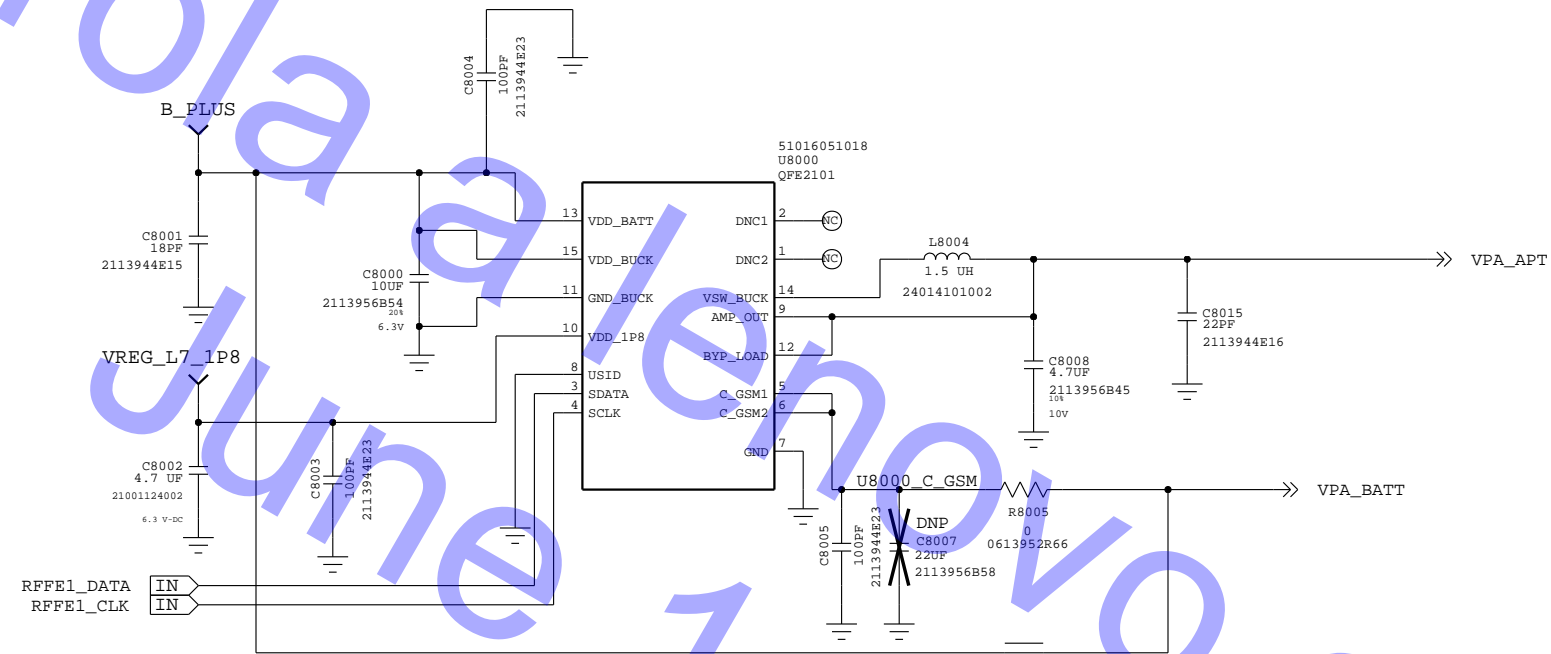


RF1628 Control Logic

| Mode | V _{c1} | V _{c2} |
|---------|-----------------|-----------------|
| RF1-RF3 | 0 | 1 |
| RF1-RF4 | 1 | 0 |
| RF1-RF4 | 1 | 1 |

| | | | |
|----------------------------------|---------------------------------|-------------------------|--|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MMI | BLOCK TITLE: block_rffe | | |
| LAST MODIFIED BY: MMI | PROJECT NAME: 84016439001_a.cpm | | |
| Mon Apr 27 11:29:30 2015 | REV: 01 | CAD FILE NAME: | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PAGE 6 OF 51 | |

RFFE:QFE2101
REF 8000-8020



BRING VIAS TO TOP LAYER FOR RFFE1_DATA AND RFFE1_CLK

BYPASS OPTION FOR VPA_VBATT
DNP APPROPRIATELY

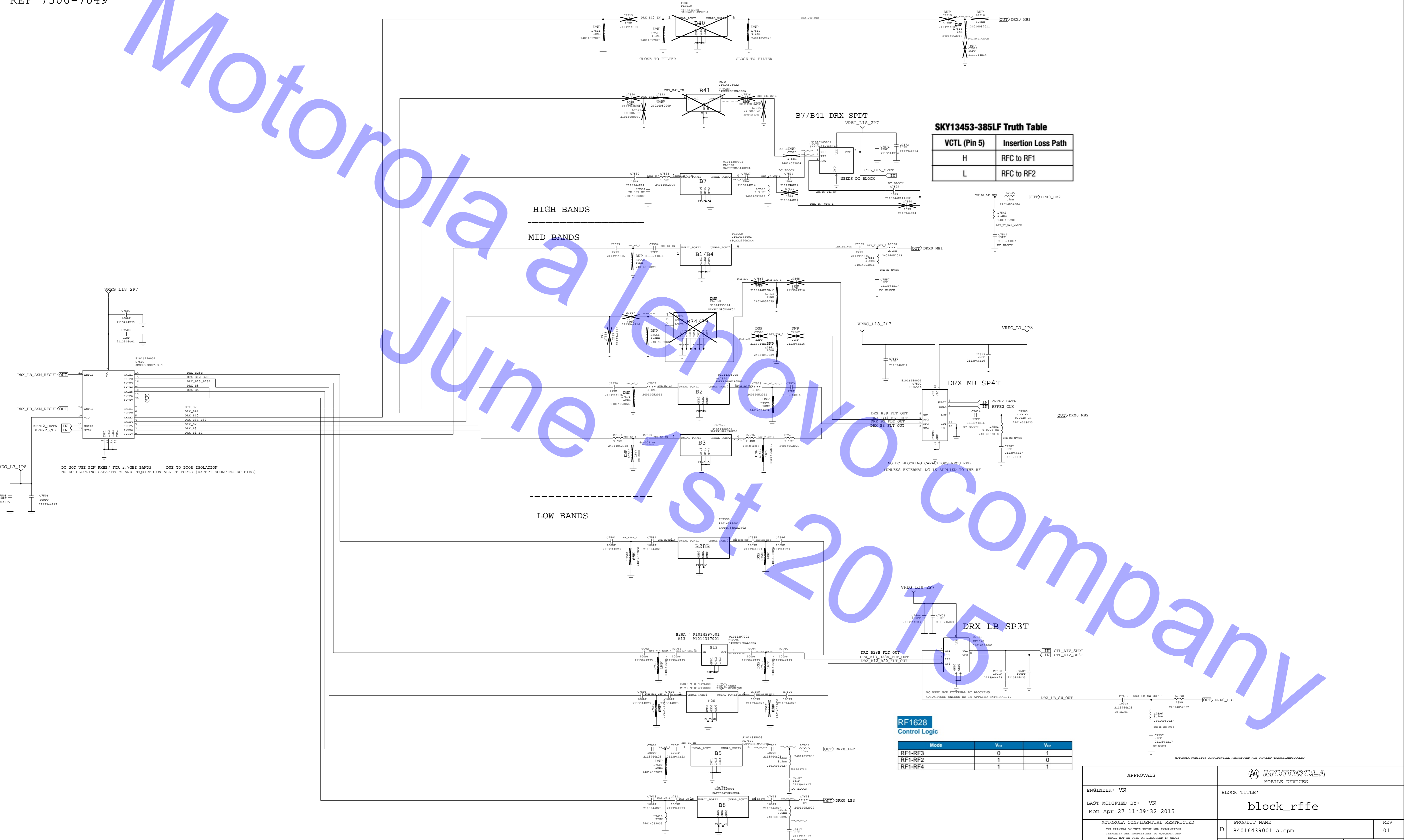
| | | | |
|--|--|-------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MMI | | BLOCK TITLE: | |
| LAST MODIFIED BY: MMI Mon Apr 27 11:29:31 2015 | | block_rffe | |
| MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION 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 84016439001_a.cpm | REV 01 |
| | | CAD FILE NAME: | |
| | | PAGE 7 OF 51 | |

RFFE : DIVERSITY

REF 7500-7649

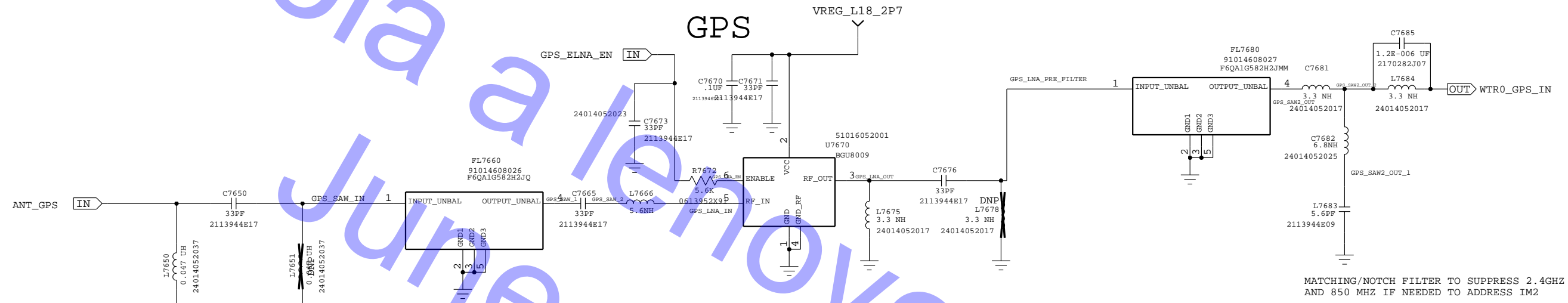
LOSSY DIVIDER
DSDA

| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| ZONE | LTR | DESCRIPTION | DATE | APPROVED |
| | | | | |
| | | | | |
| | | | | |



| 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 |
| MOTOROLA CONFIDENTIAL RESTRICTED | | CAD FILE NAME: | |
| THE DRAWING IS THE PROPERTY OF MOTOROLA AND SHALL NOT BE USED OR DISCLOSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION | | | PAGE 8 OF 51 |

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 | | block_rffe | |
| Med Apr 27 09:29:58 2013 | | | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PROJECT NAME | REV |
| <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> | | B 84016439001_a.cpm | 01 |
| | | 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

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



BLOCK TITLE:

antennas

PROJECT NAME
B 84016439001_a.cpm

REV
01

CAD FILE NAME:

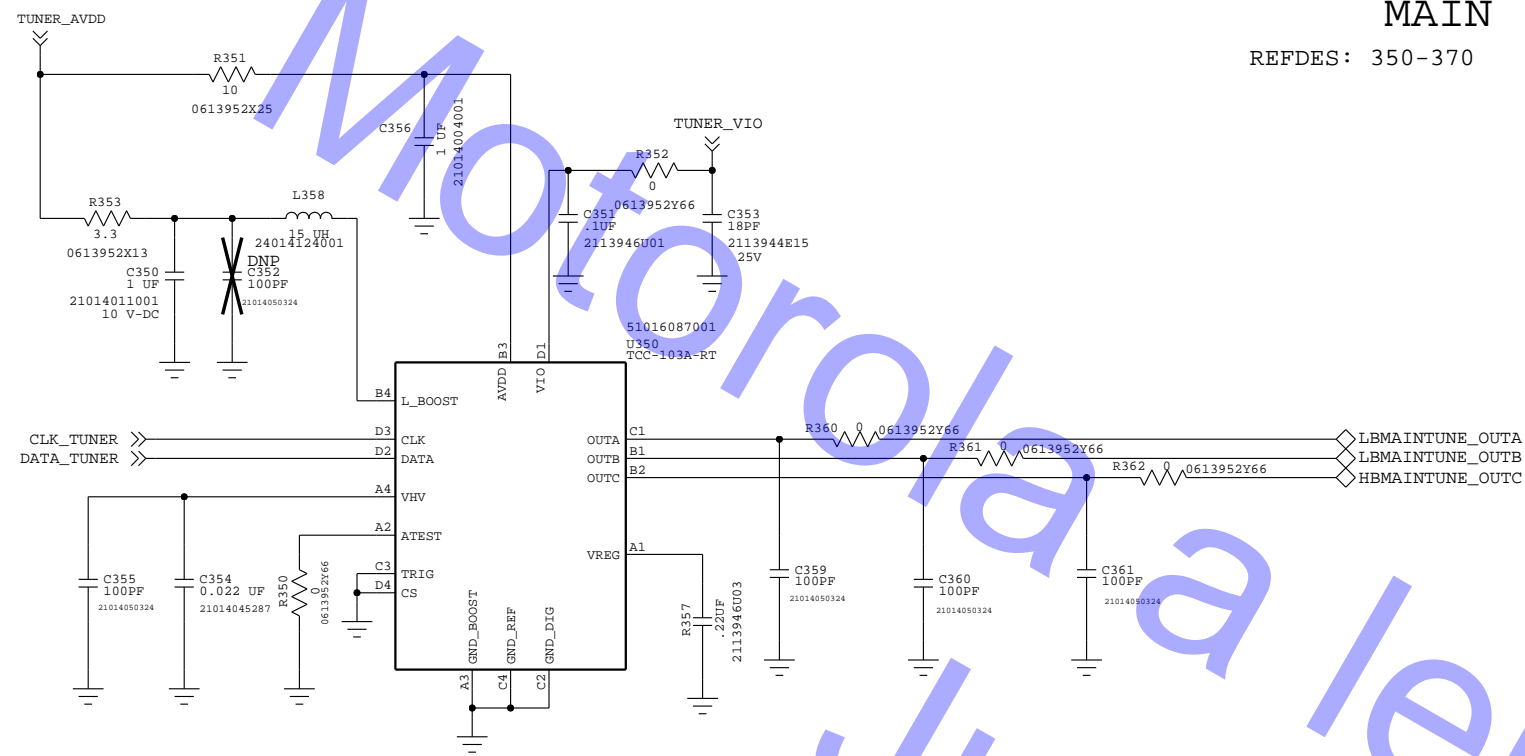
PAGE 10 OF 51

ANT: TUNERS

REF: 350-399

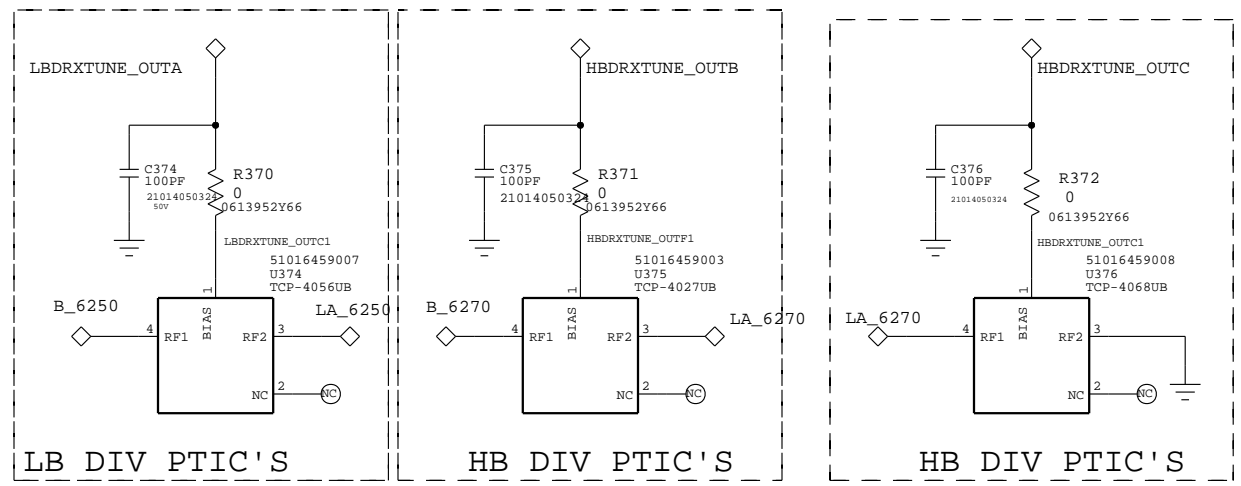
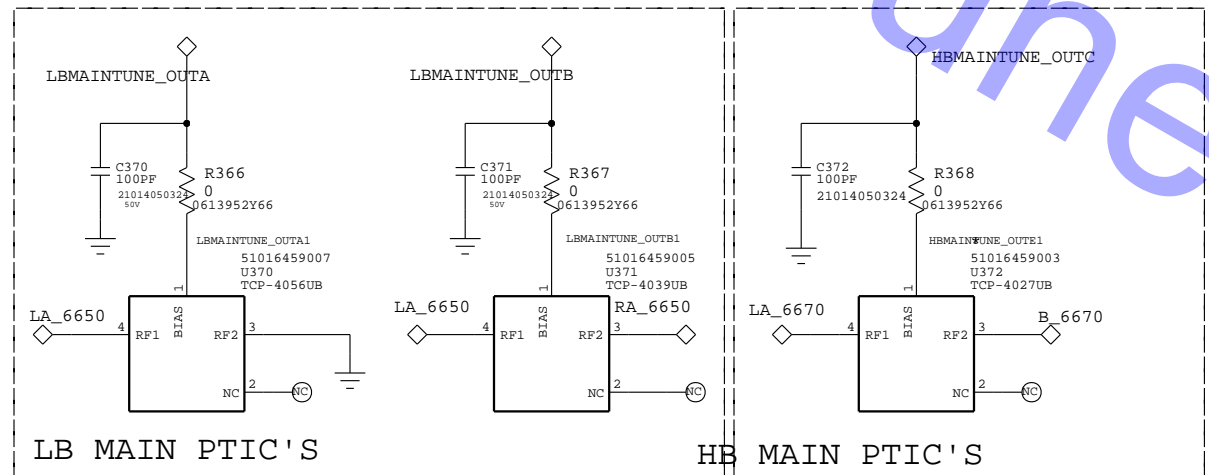
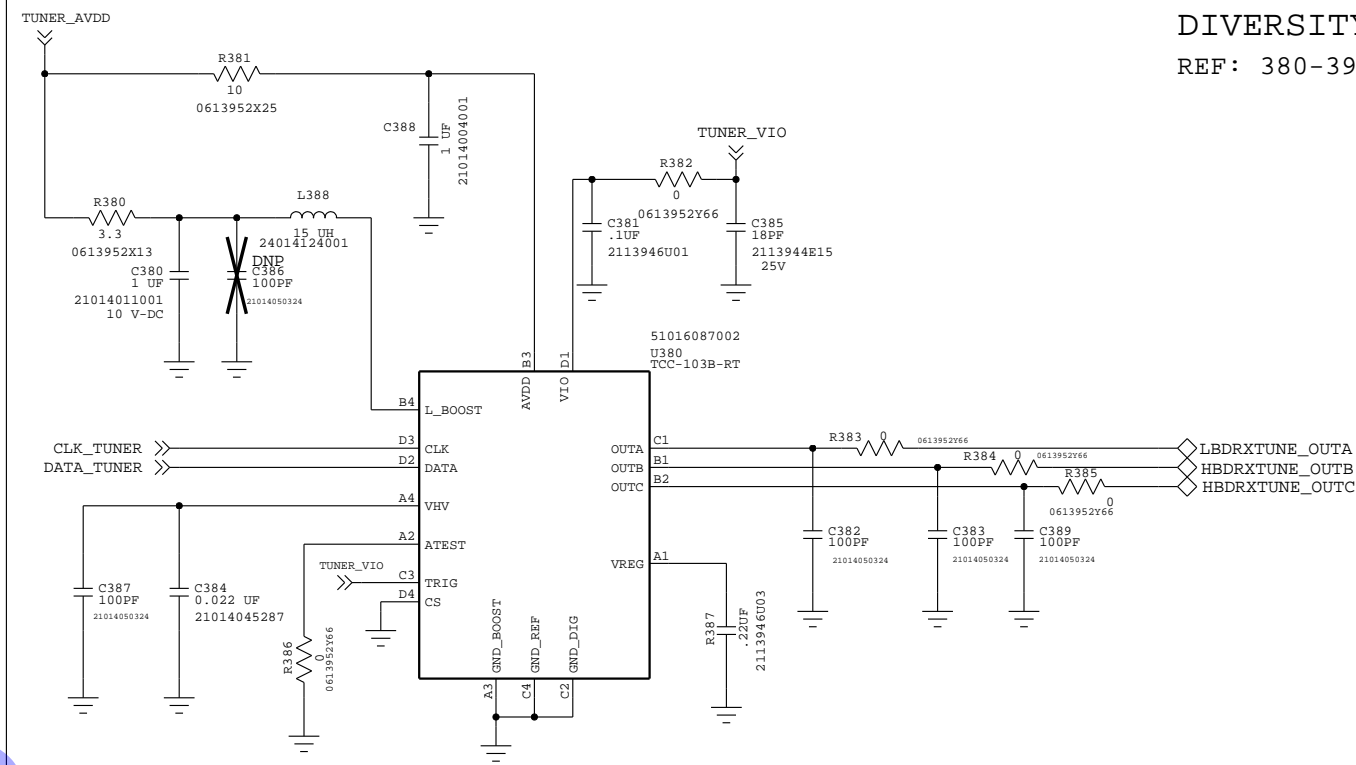
MAIN

REFDES: 350-370



DIVERSITY

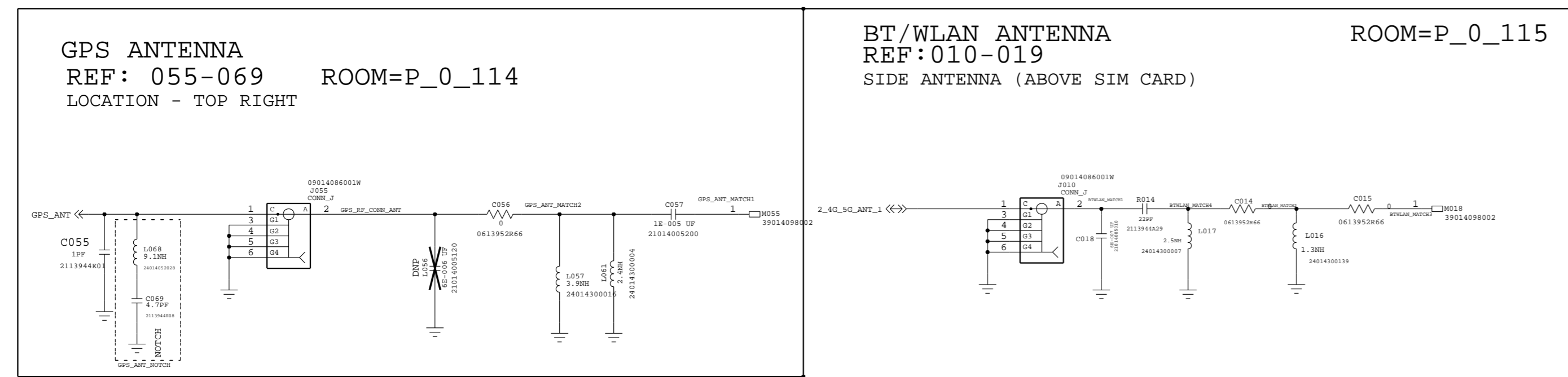
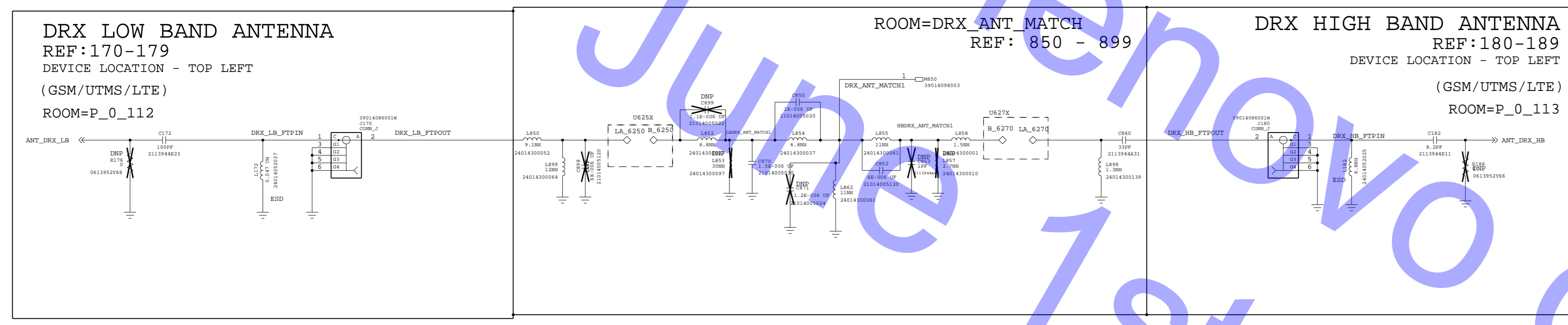
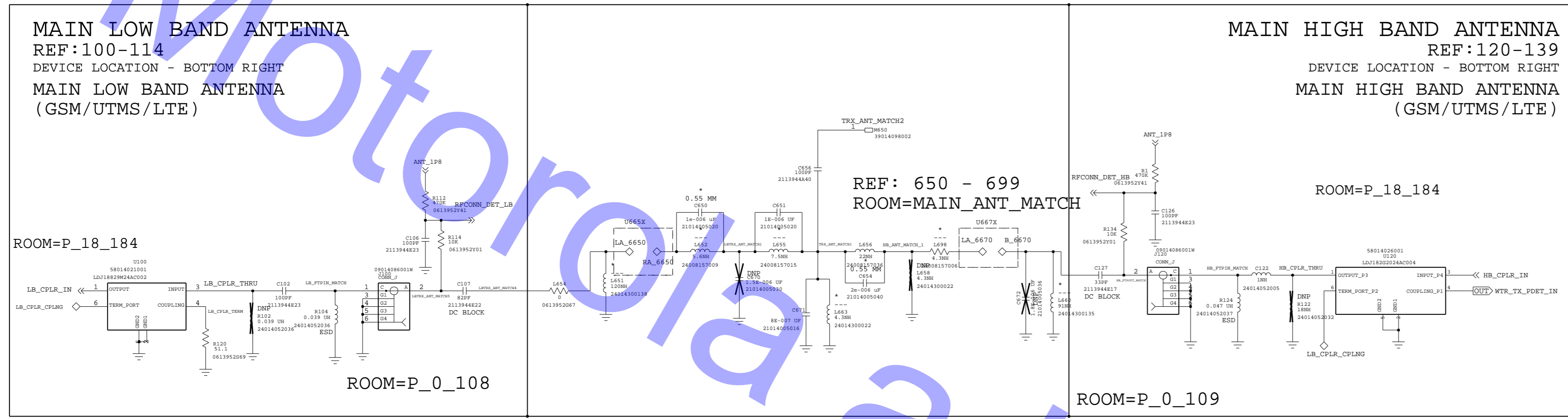
REF: 380-399



| | | | |
|--|--|--|------------------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MOTOROLA | | BLOCK TITLE: | |
| LAST MODIFIED BY: MOTOROLA Mon Apr 27 11:29:27 2015 | | antennas | |
| 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 11 OF 51 | |

ANT: ANTENNAS

| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| ZONE | LTR | DESCRIPTION | DATE | APPROVED |
| | | | | |

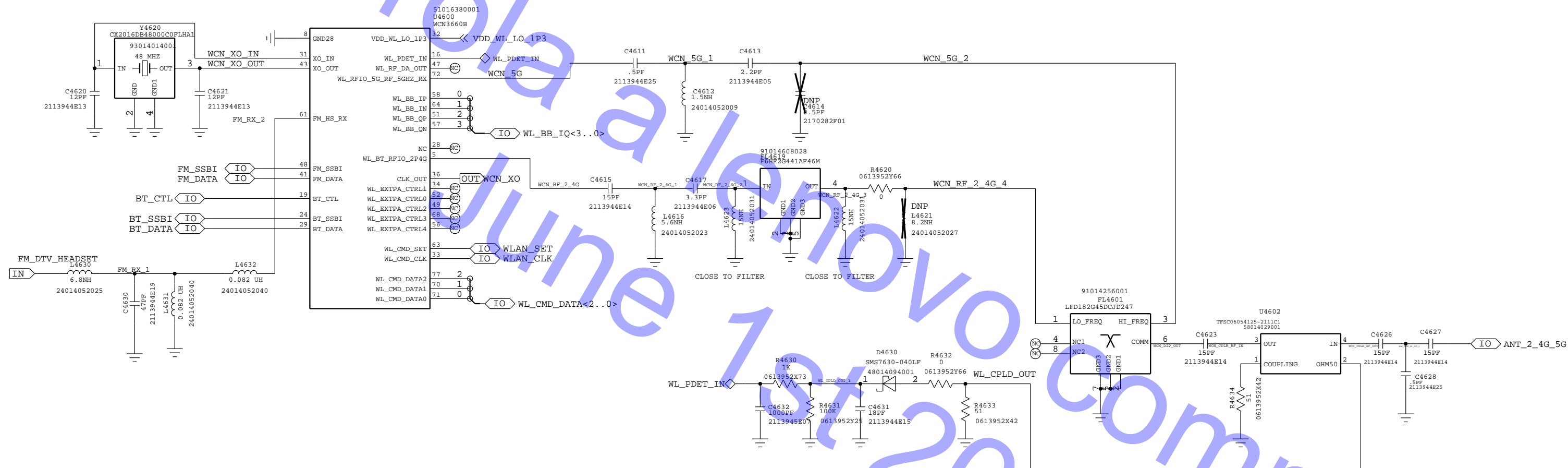


MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-HQS TRACKED TRACKEDANDBLOCKED

| | | | |
|---|--|-----------------------------------|---------------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MOTOROLA | | BLOCK TITLE: antennas | |
| LAST MODIFIED BY: MOTOROLA Mon Apr 27 11:29:27 2015 | | PROJECT NAME 84016439001_a.cpm | |
| MOTOROLA CONFIDENTIAL RESTRICTED THE DRAWING OF THIS PRINT AND INFORMATION HEREIN ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCLOSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION | | REV 01 | PAGE 12 OF 51 |

WCN3660B RF/CTRL
REF 4600-4699

NEED TO CHECK PIN47 CONNECTION



BASED ON 80-WL006-44 REV C

| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER : | | BLOCK TITLE : | |
| LAST MODIFIED BY: FROEHLING Mon Apr 27 11:29:21 2015 | | connectivity | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PROJECT NAME | REV |
| <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> | | B 84016439001_a.cpm | 01 |
| | | CAD FILE NAME : | |
| | | PAGE 13 OF 51 | |

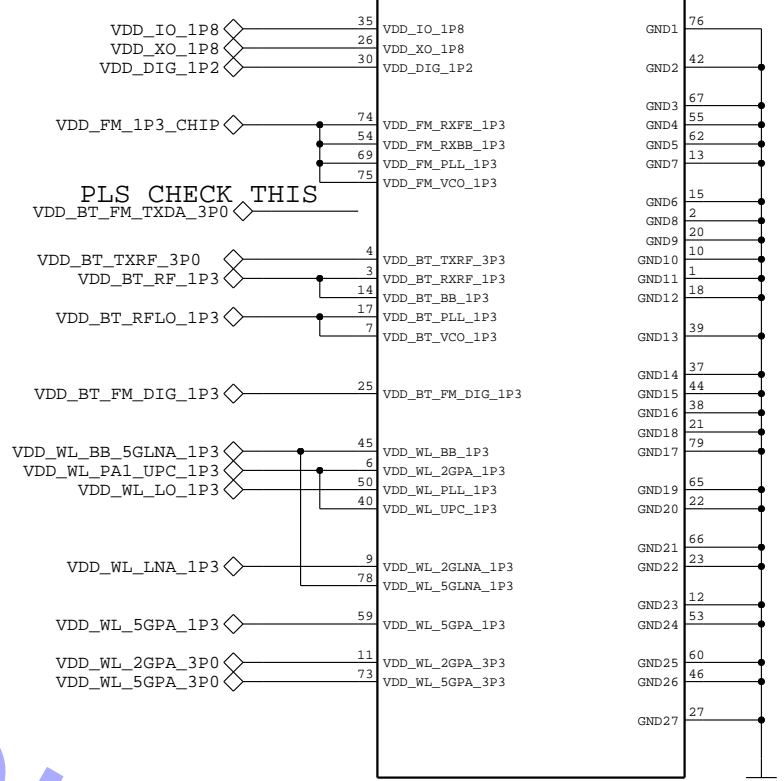
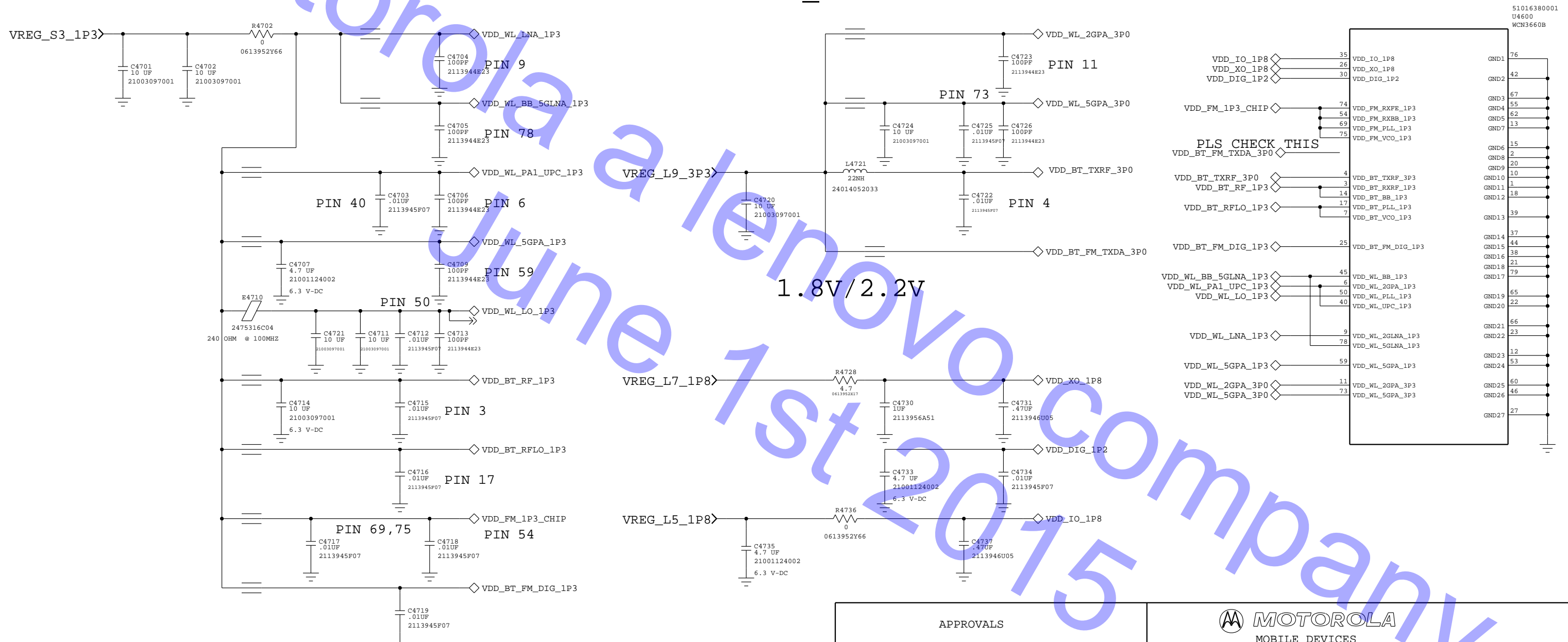
WCN3660B POWER

REF 4700-4799

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

BT_FM_WLAN_1P3

WLBT_3.0V



NOTE: RESERVE C4717 AND C4718 FOR 0.01UF BYPASSES

| | | | |
|--|--|-----------------------------------|---------------|
| 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 |
| 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 | | B 84016439001_a.cpm | 01 |
| | | CAD FILE NAME : | PAGE 14 OF 51 |

BASED ON 80-WL006-44 REV C

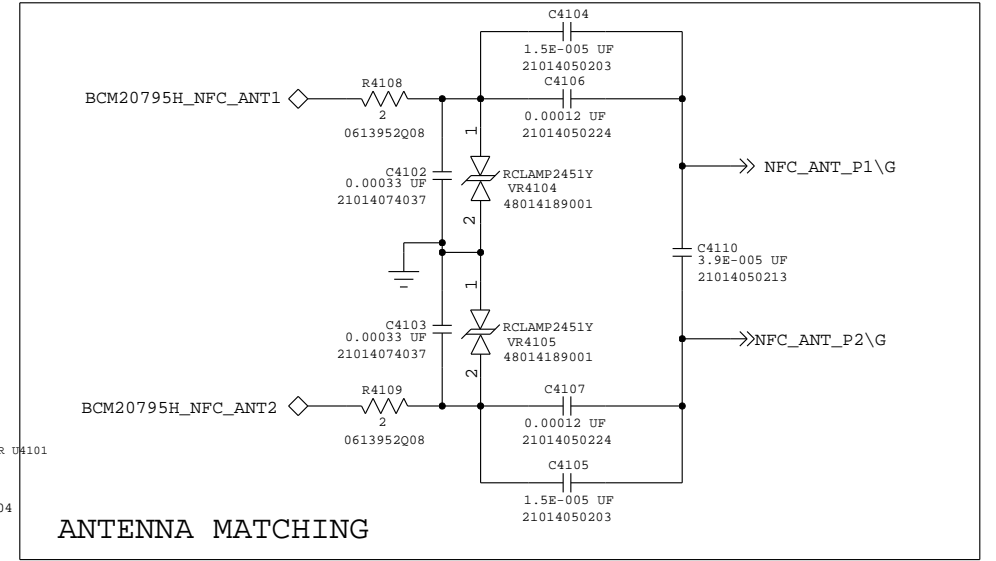
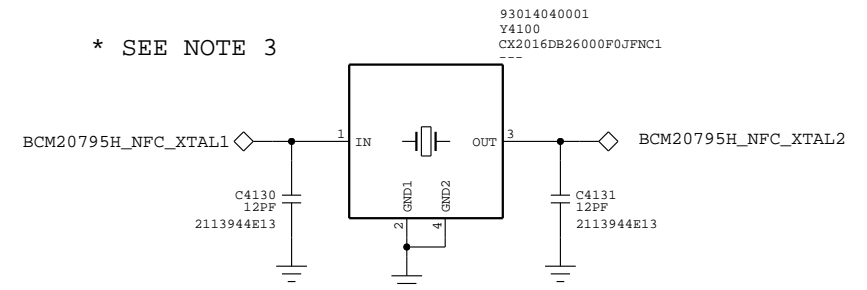
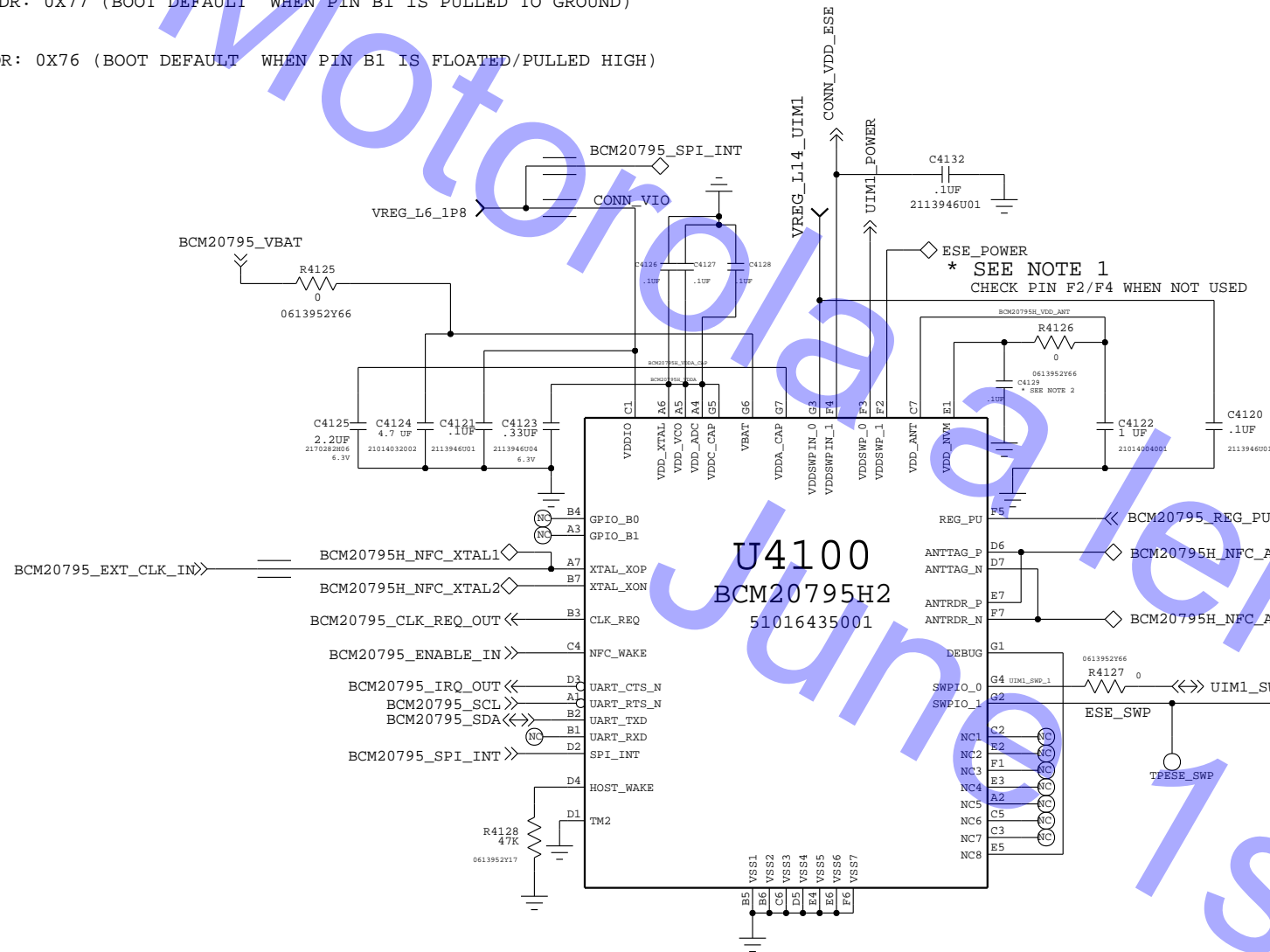
BCM20795 NFC

REF: 4100-4199

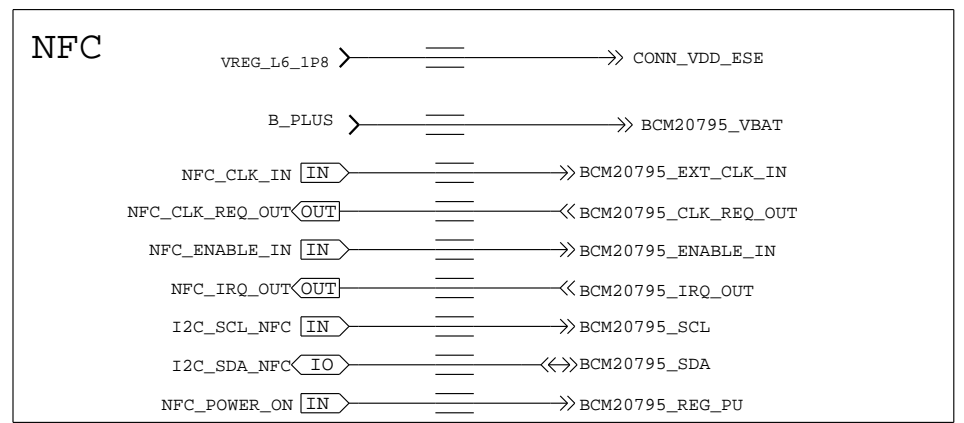
I2C ADDR: 0X77 (BOOT DEFAULT WHEN PIN B1 IS PULLED TO GROUND)

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.

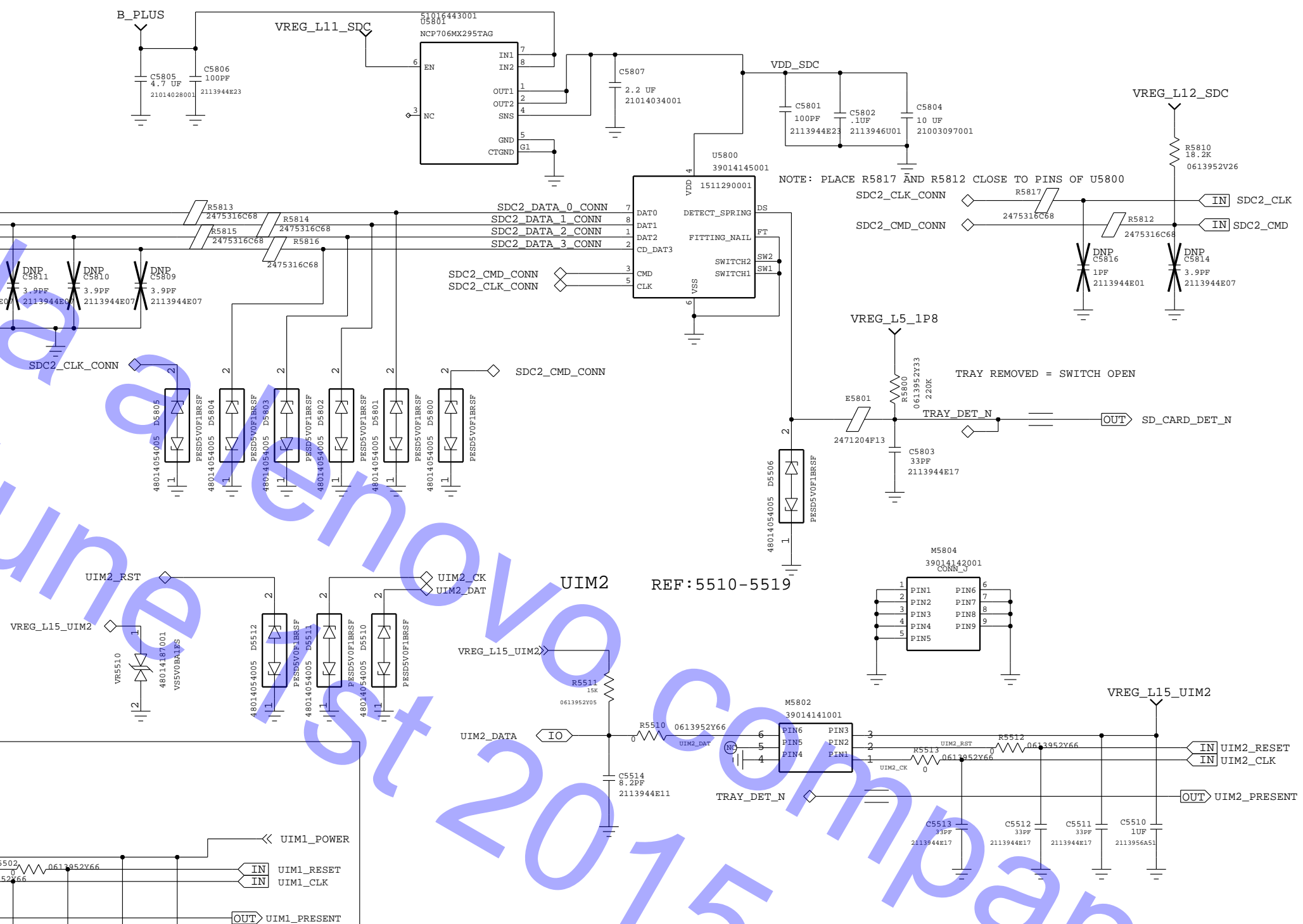
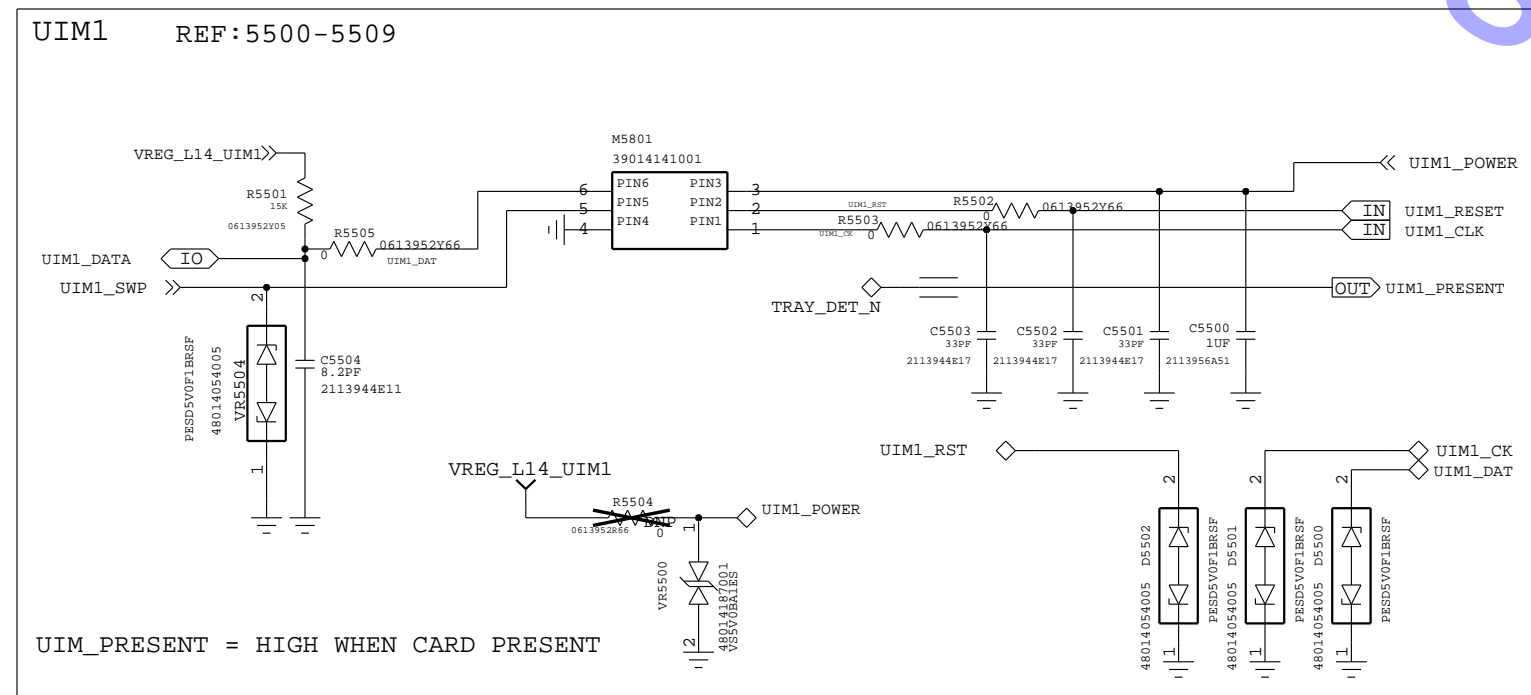
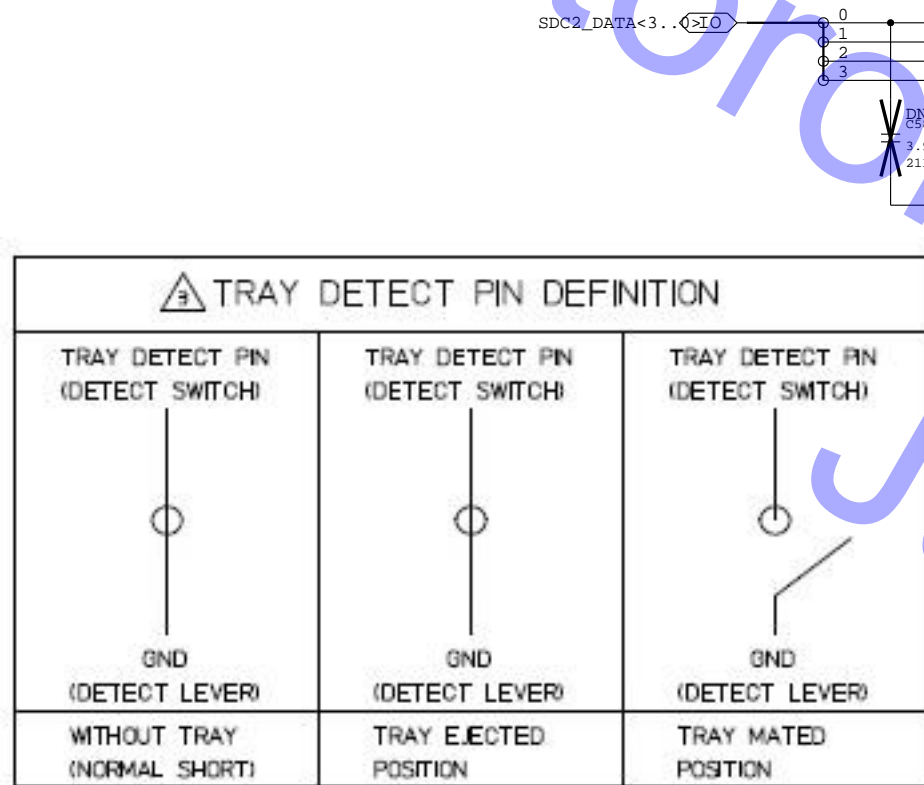


| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: ?FROEHLING | | BLOCK TITLE: | |
| LAST MODIFIED BY: FROEHLING Mon Apr 27 11:29:22 2015 | | connectivity | |
| MOTOROLA CONFIDENTIAL RESTRICTED THE DRAWING ON THIS PRINT AND INFORMATION 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 84016439001_a.cpm | 01 |
| CAD FILE NAME: | | PAGE 15 OF 51 | |

UIM/SD CARD

SD CARD REF: 5800-5850

J5800 AND J5802 ARE PLACEHOLDERS

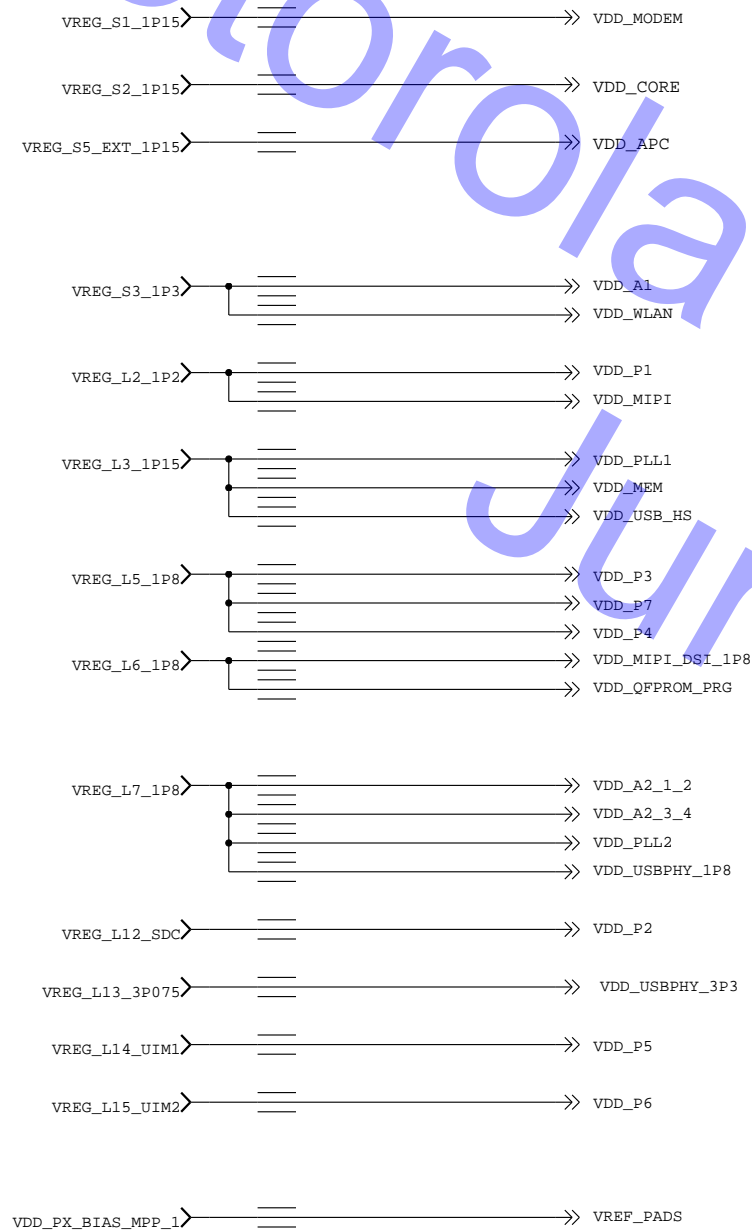


| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: FROEHLING | | BLOCK TITLE: | |
| LAST MODIFIED BY: FROEHLING Mon Apr 27 11:29:23 2015 | | connectivity | |
| MOTOROLA CONFIDENTIAL RESTRICTED THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH 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 84016439001_a.cpm | 01 |
| CAD FILE NAME: | | PAGE 16 OF 51 | |

MSM: POWER

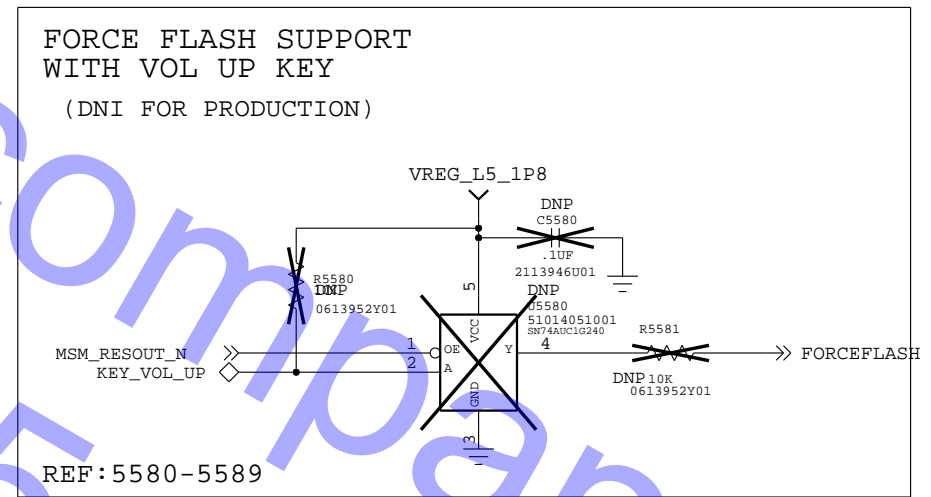
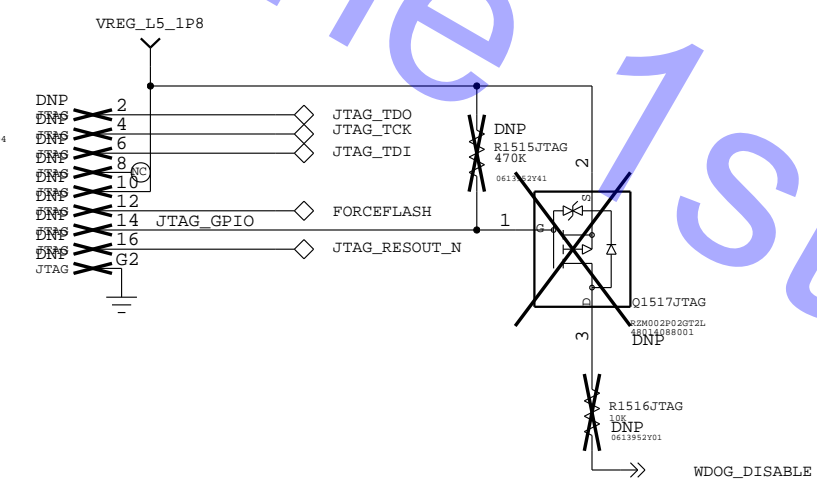
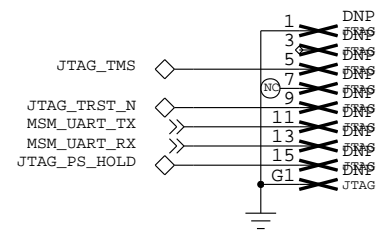
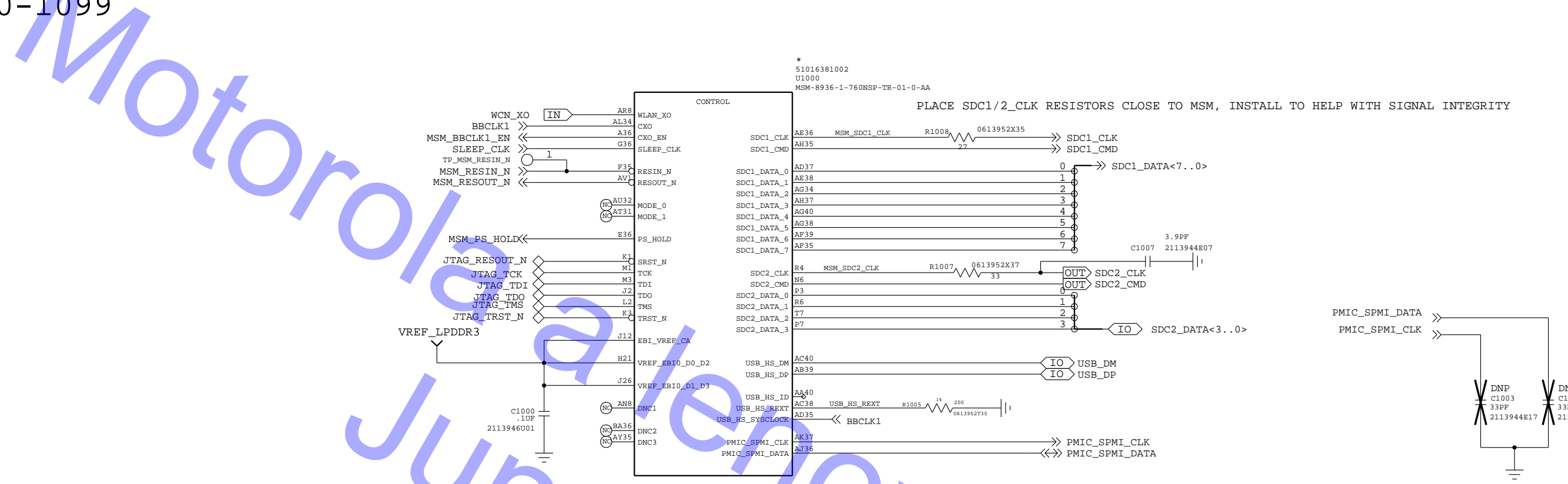
REF: 1000-1999

SUPPLIES



| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: NATE CONNELL | | BLOCK TITLE: | |
| LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:06 2015 | | ap_pmic | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PROJECT NAME | REV |
| <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> | | B 84016439001_a.cpm | 01 |
| | | CAD FILE NAME: | |
| | | PAGE 17 OF 51 | |

MSM: CTRL
REF 1000-1099



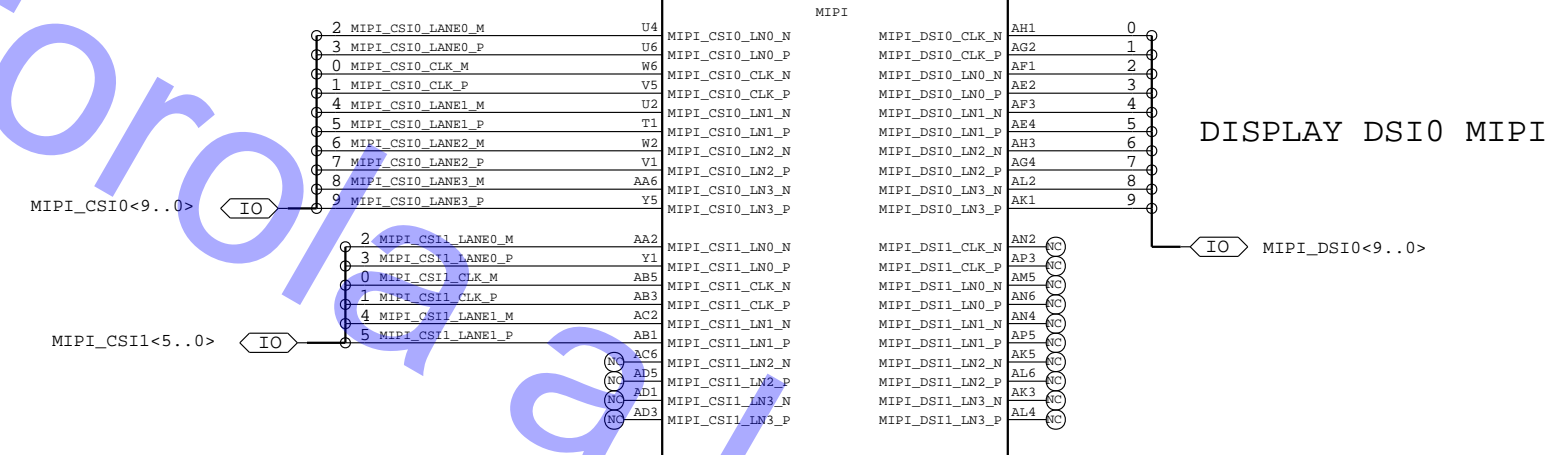
| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER : | | BLOCK TITLE : | |
| LAST MODIFIED BY: FAN021 Mon Apr 27 11:29:06 2015 | | ap_pmic | |
| MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH 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 18 OF 51 | |

MSM: MIPI/DSI/CSI/EBI0

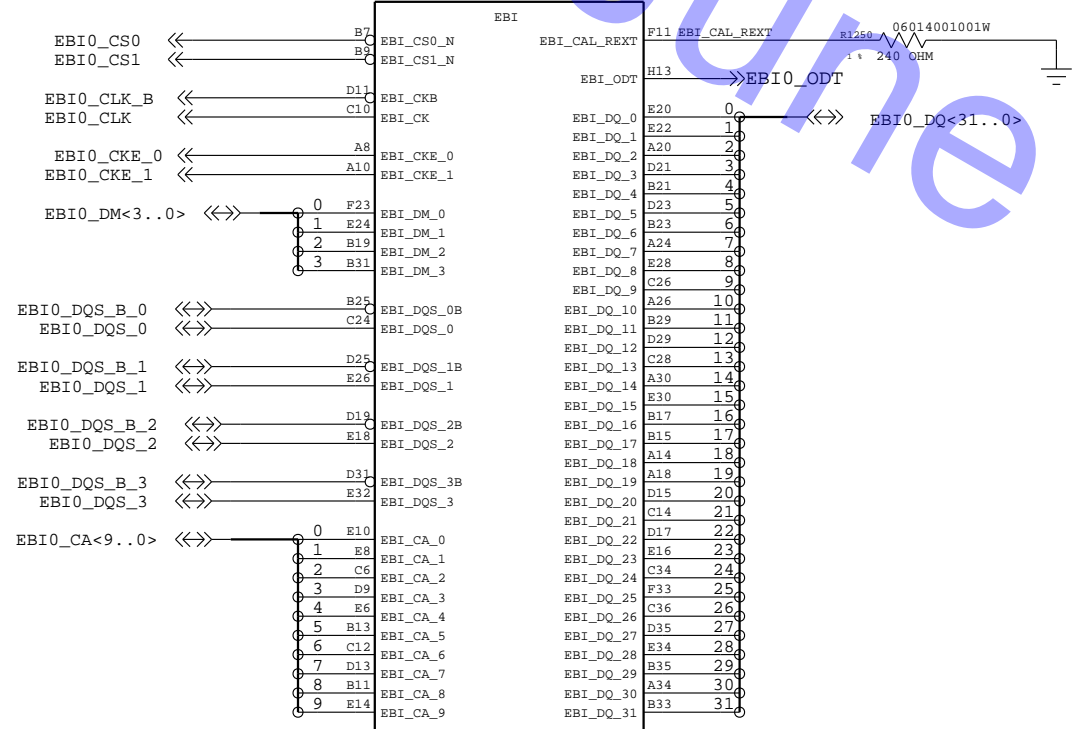
REF 1200-1299

Motorola
Lenovo 1st 2015
company

*
51016381002
U1000
MSM-8936-1-760NSP-TR-01-0-AA



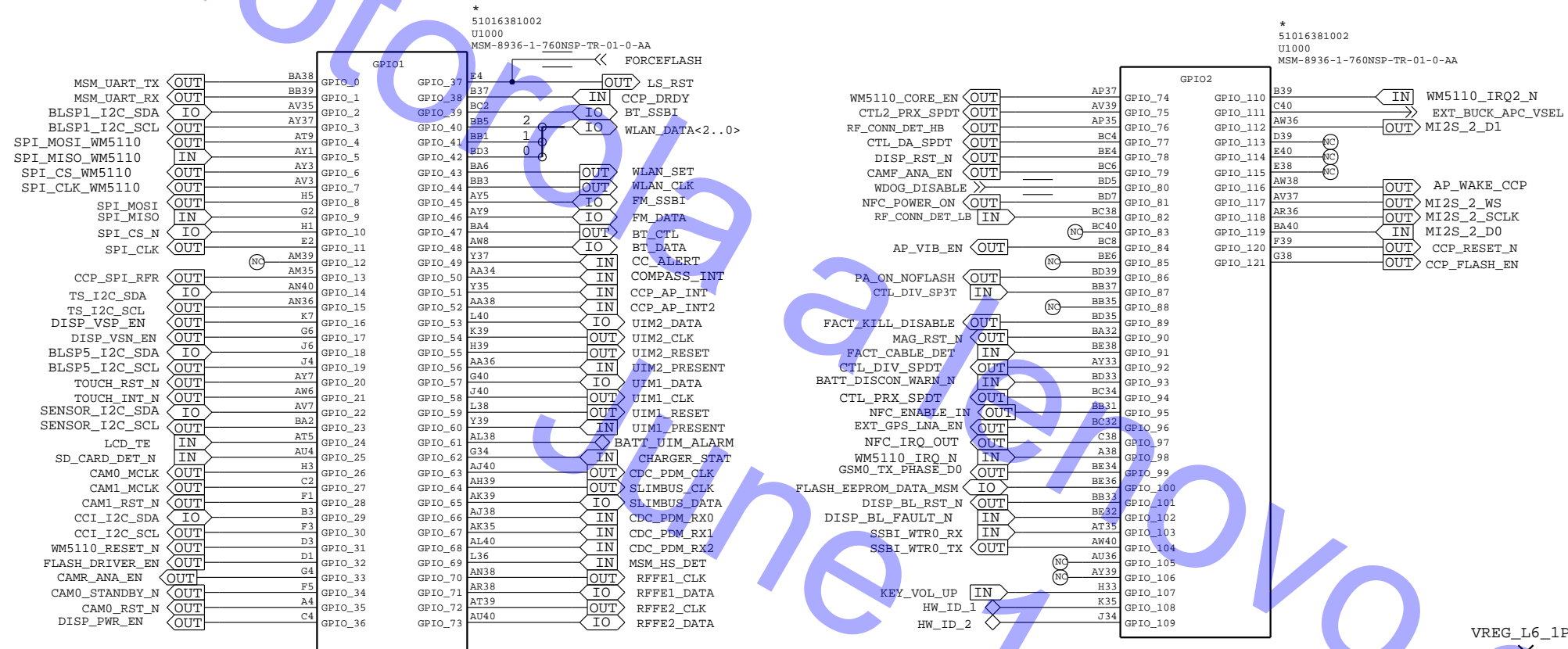
*
51016381002
U1000
MSM-8936-1-760NSP-TR-01-0-AA



| | | | |
|--|--|-----------------------------------|--|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER : | | BLOCK TITLE : | |
| LAST MODIFIED BY : | | ap_pmic | |
| Mon Apr 27 11:29:07 2015 | | | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PROJECT NAME | |
| <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> | | B 84016439001_a.cpm | |
| | | REV | |
| | | 01 | |
| | | PAGE 19 OF 51 | |

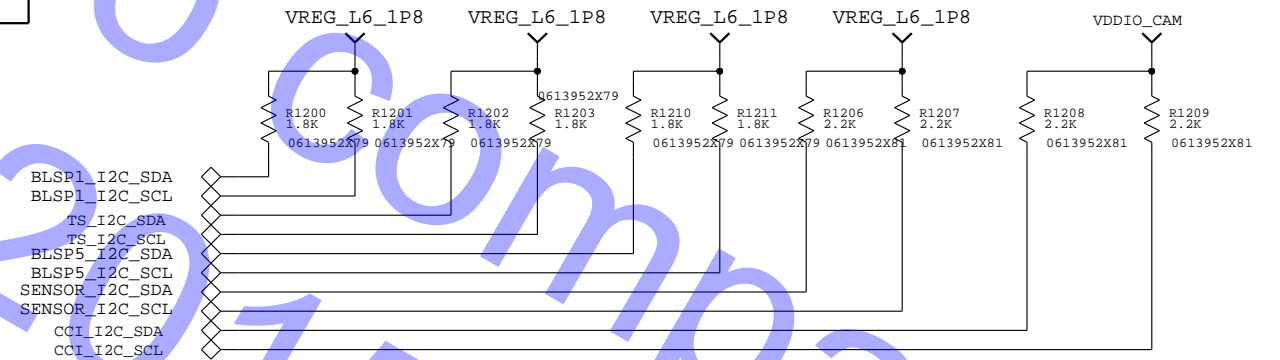
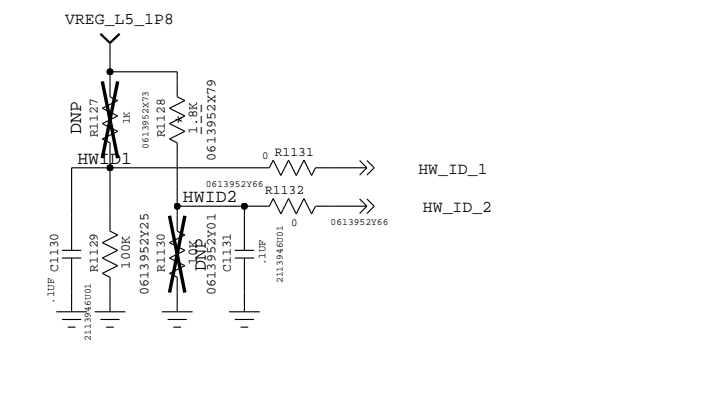
MSM: GPIO (0-101)

REF 1200-1299



MOT BOARD ID

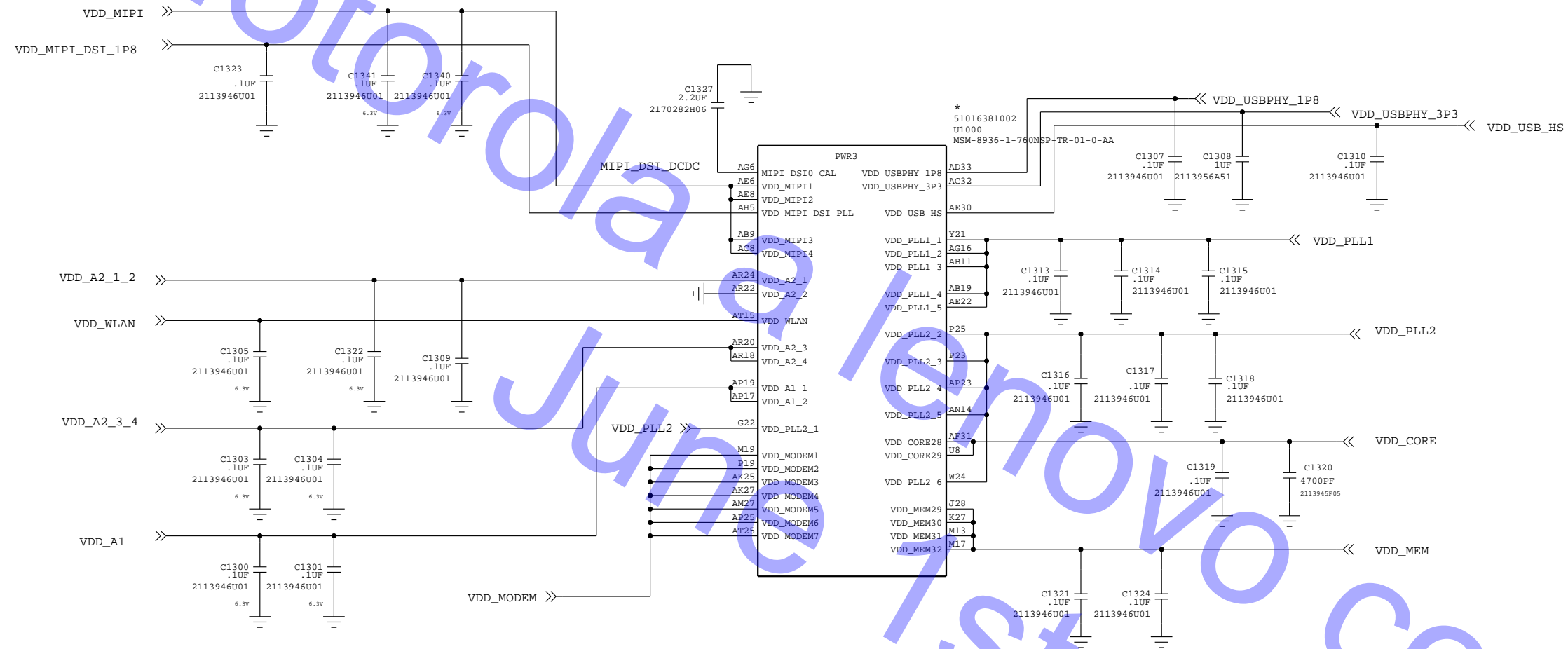
FOR RUNTIME REVISION INFORMATION, REFER TO:
[HTTPS://SITES.GOOGLE.COM/A/MOTOROLA.COM/RUNTIME-PRODUCT-IDS](https://sites.google.com/a/motorola.com/runtime-product-ids)




| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: | | BLOCK TITLE: | |
| LAST MODIFIED BY: FAN021 Mon Apr 27 11:29:08 2015 | | ap_pmic | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PROJECT NAME | REV |
| <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> | | B 84016439001_a.cpm | 01 |
| CAD FILE NAME: | | PAGE 20 OF 51 | |

MSM: PWR1

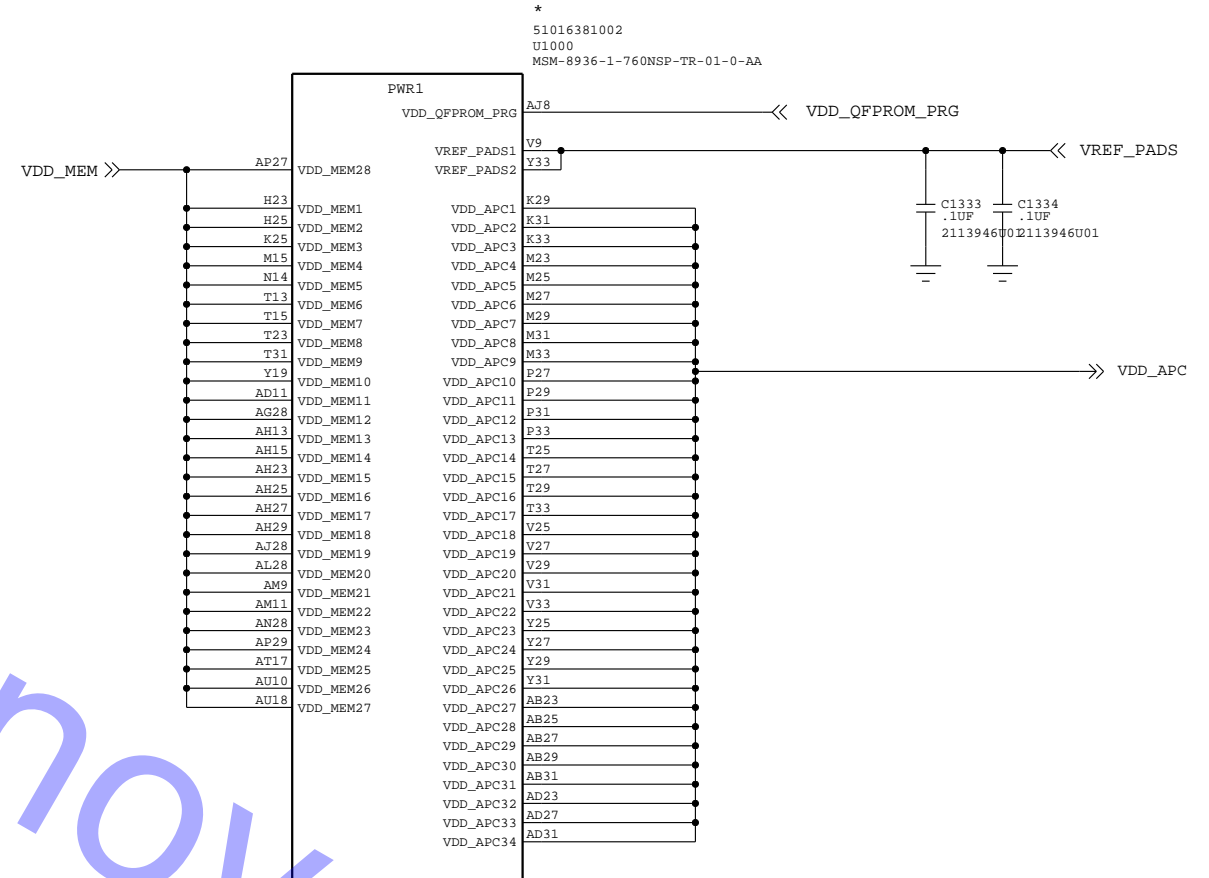
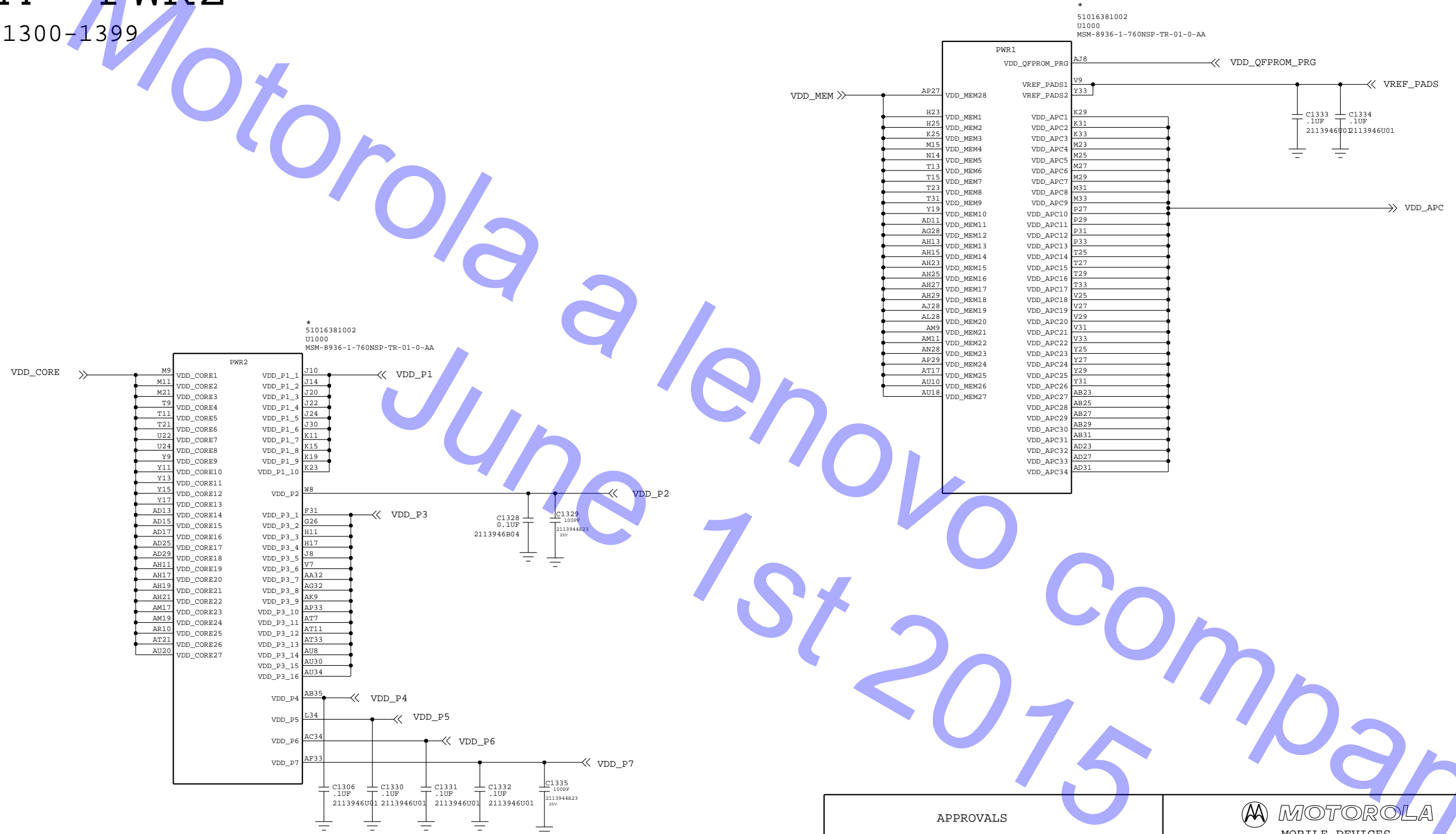
REF 1300-1399



| | | | |
|---|--|---|-----------|
| 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

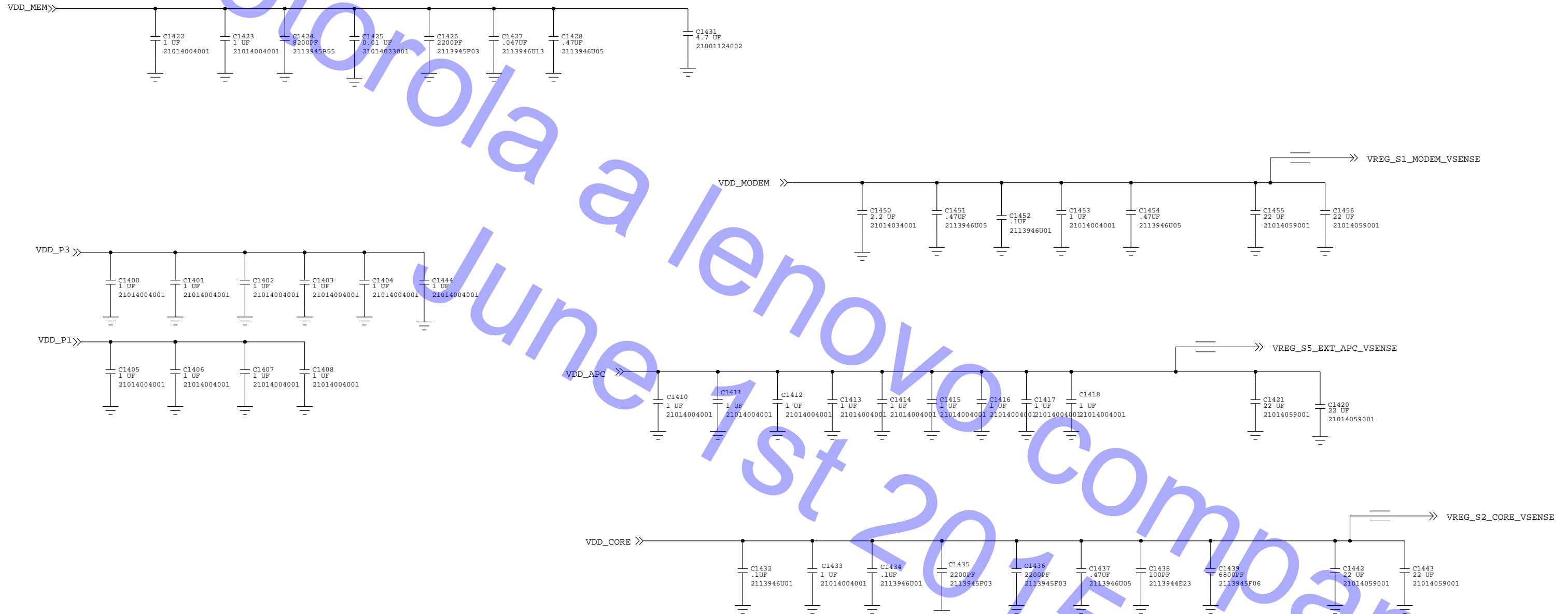
REF 1300-1399



| | | | |
|--|--|-------------------------------------|-----------|
| 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 | |
| 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 23 OF 51 | |

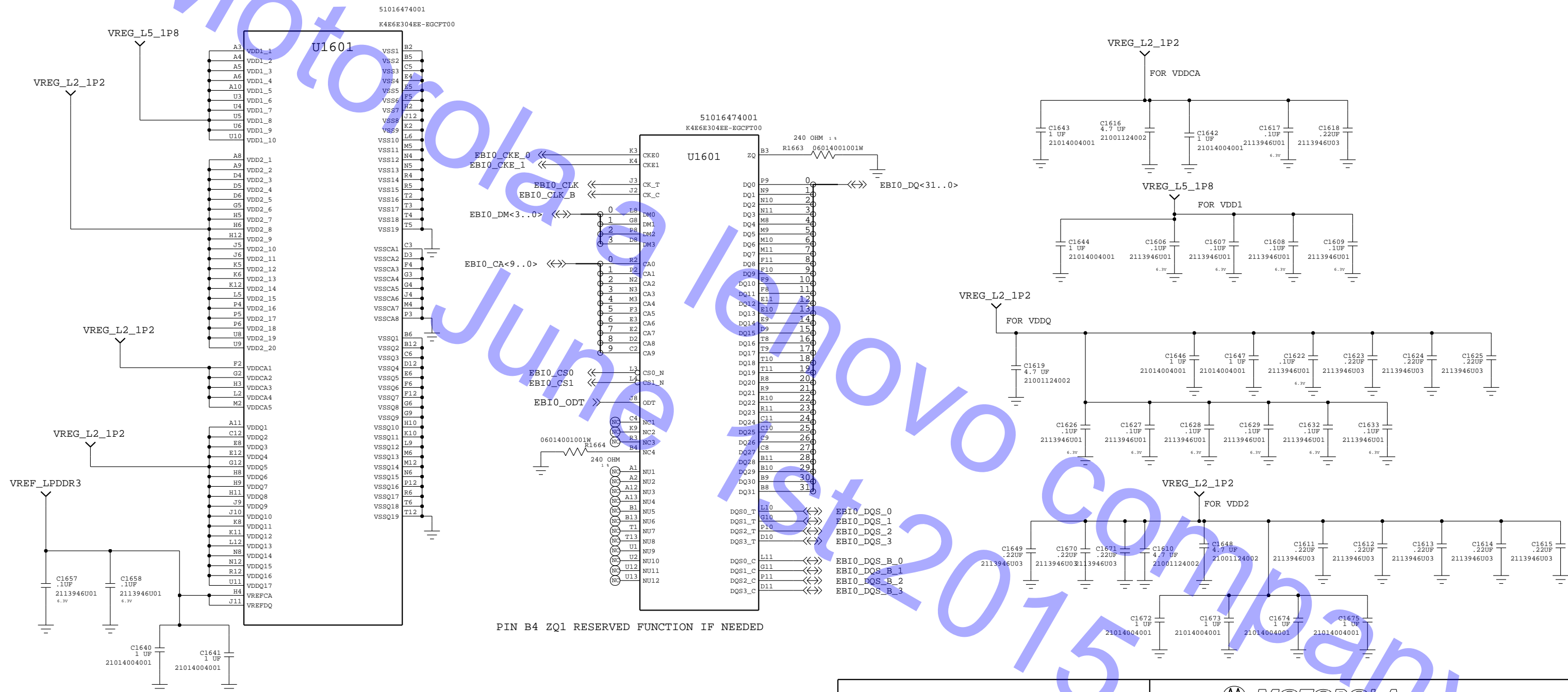
MSM: GROUND



| | | | |
|---|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER : | | BLOCK TITLE : | |
| LAST MODIFIED BY: FAN021 Mon Apr 27 11:29:10 2015 | | ap_pmic | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PROJECT NAME | REV |
| <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> | | B 84016439001_a.cpm | 01 |
| | | CAD FILE NAME : | |
| | | PAGE 24 OF 51 | |

LDDR3 SDRAM

REF: 1600-1699

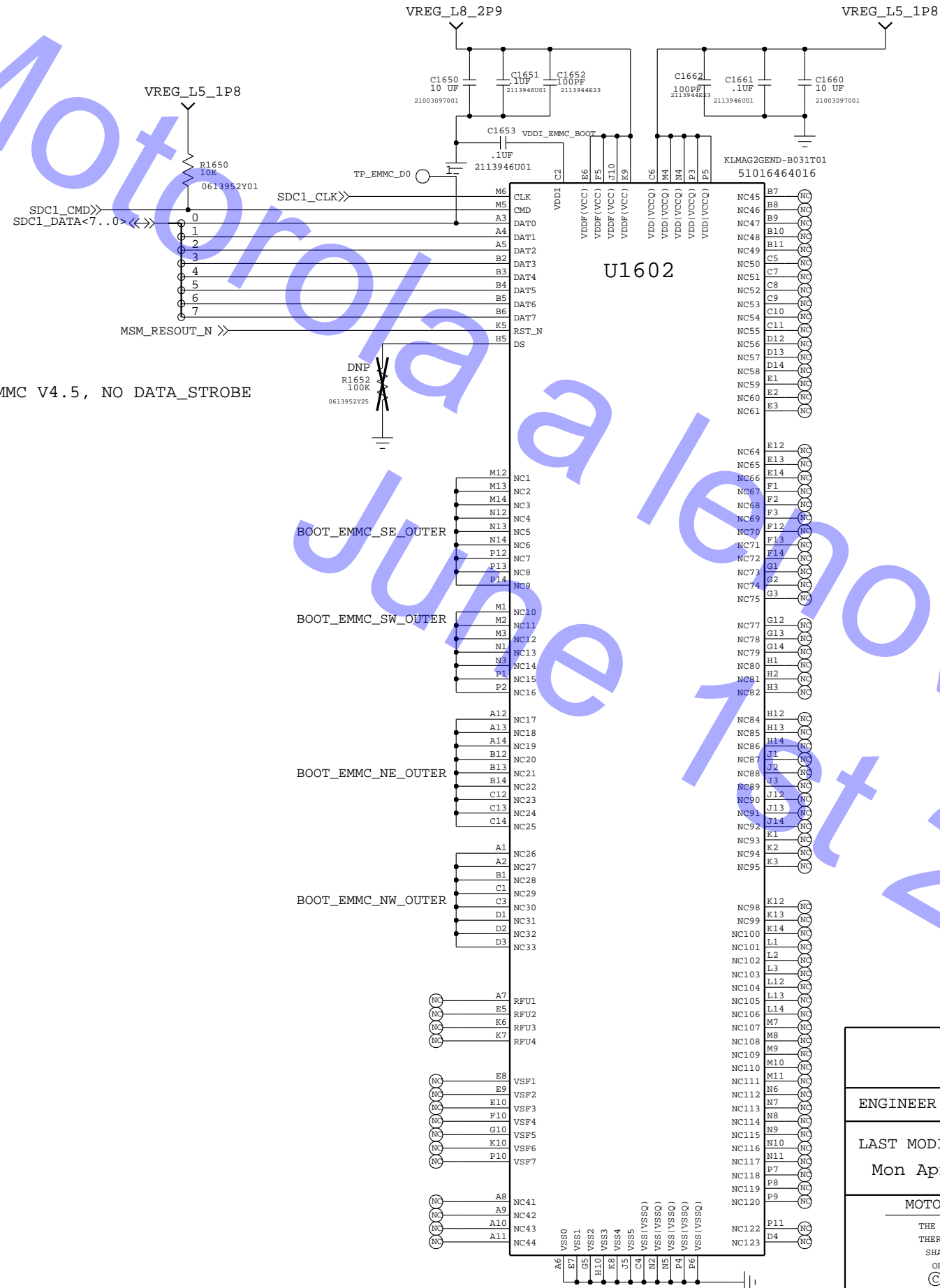


PIN B4 ZQ1 RESERVED FUNCTION IF NEEDED

| | | | |
|--|--|-------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: W00281 | | BLOCK TITLE: | |
| LAST MODIFIED BY: W00281 Mon Apr 27 11:29:11 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 84016439001_a.cpm | REV 01 |
| | | CAD FILE NAME: | |
| | | PAGE 25 OF 51 | |

EMMC

REF: 1600-1699

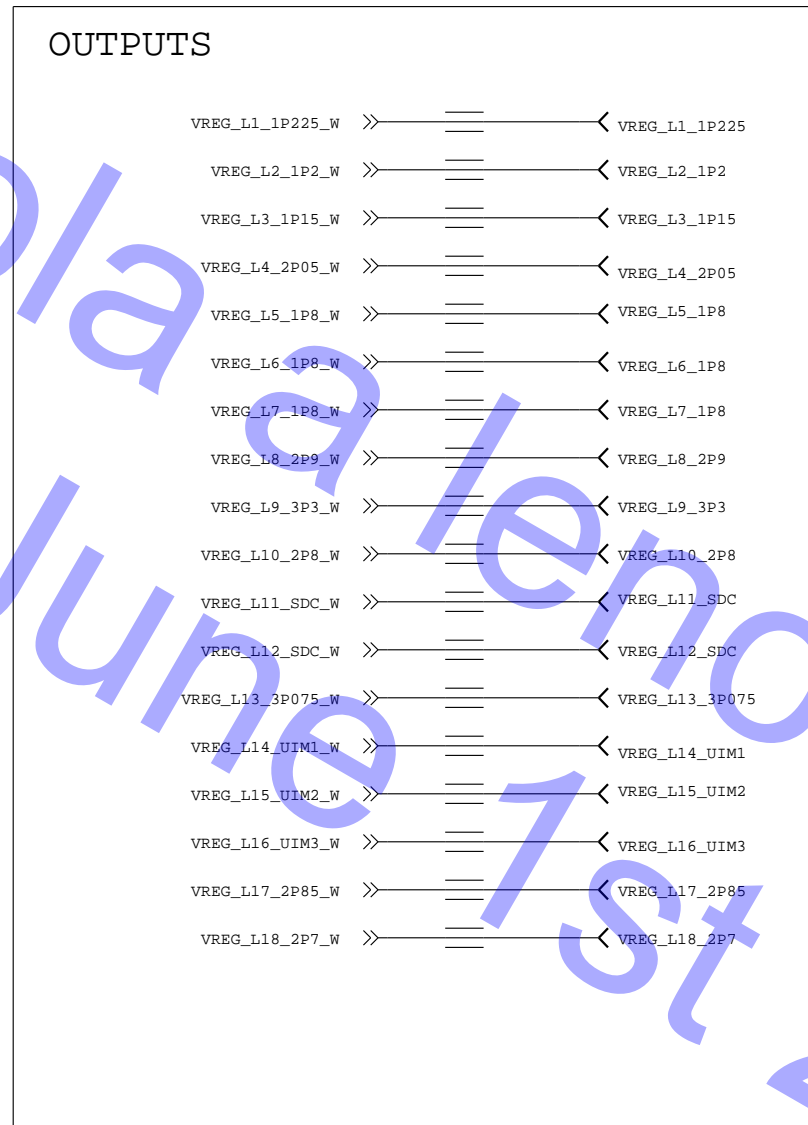
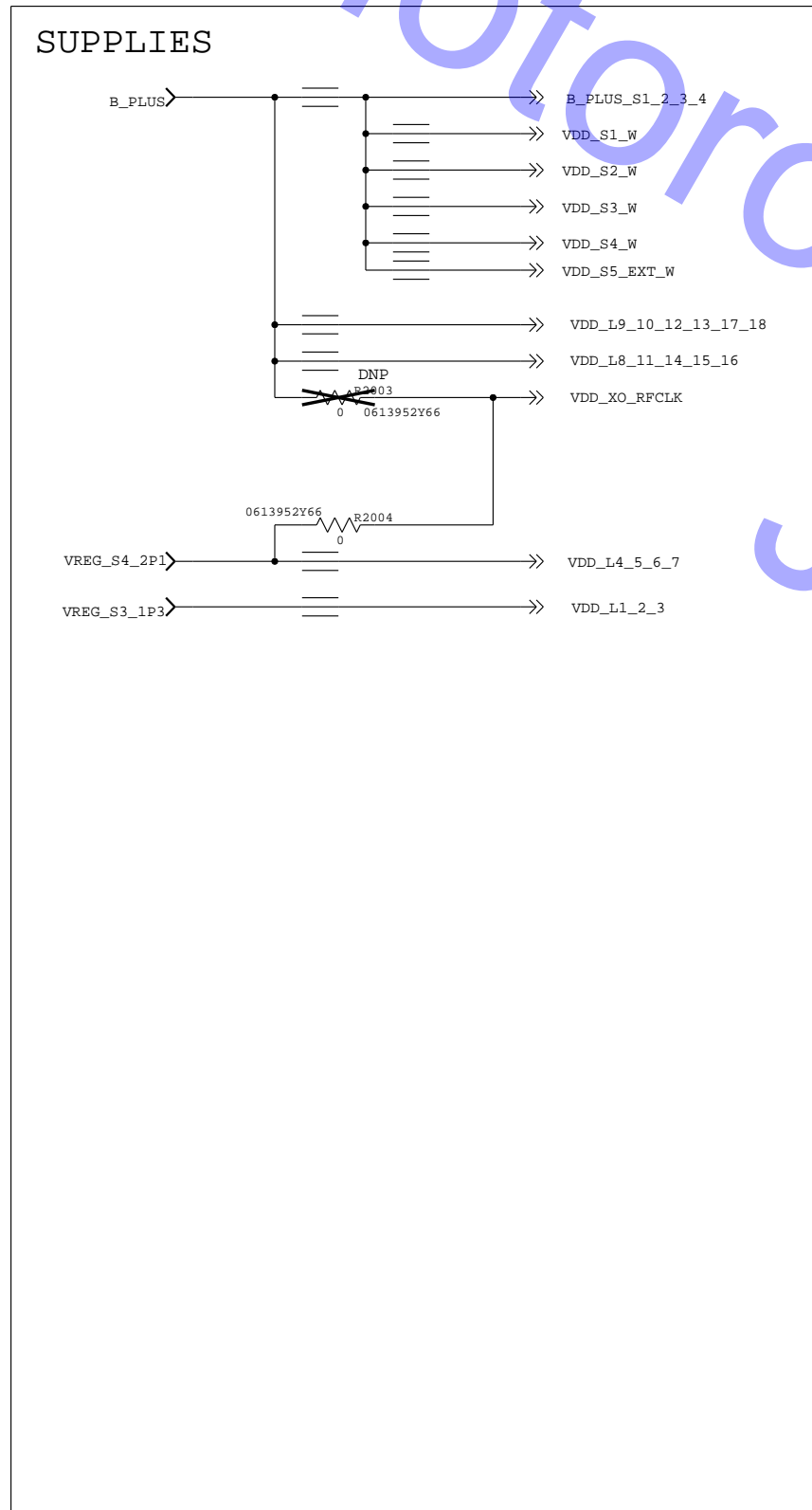


MSM8936 ONLY SUPPORT EMMC V4.5, NO DATA_STROBE

| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: NATE CONNELL | | BLOCK TITLE: | |
| LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:12 2015 | | ap_pmic | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PROJECT NAME | REV |
| 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 | | B 84016439001_a.cpm | 01 |
| | | CAD FILE NAME: | |
| | | PAGE 26 OF 51 | |

PM8916: POWER

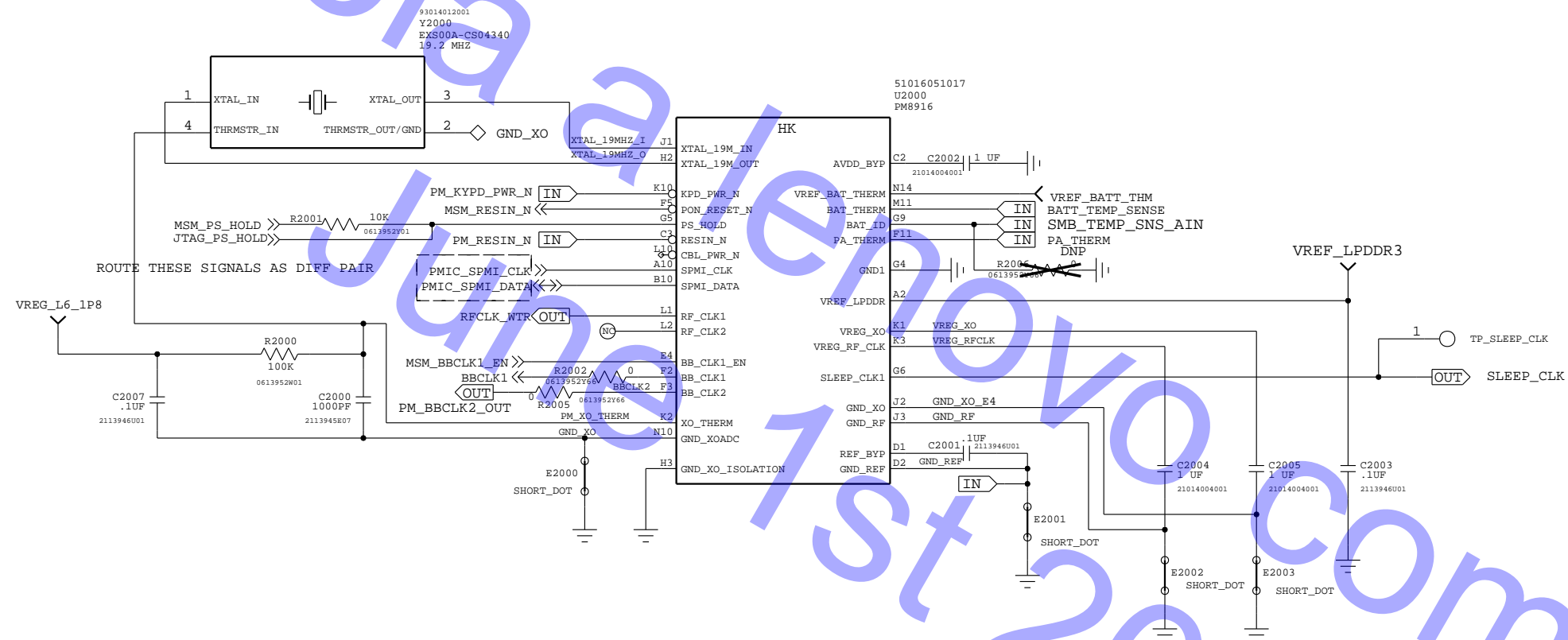
REF: 2000-2999



| | | | |
|---|--|-------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: NATE CONNELL | | BLOCK TITLE: | |
| LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:12 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 27 OF 51 | |

PM8916: HK

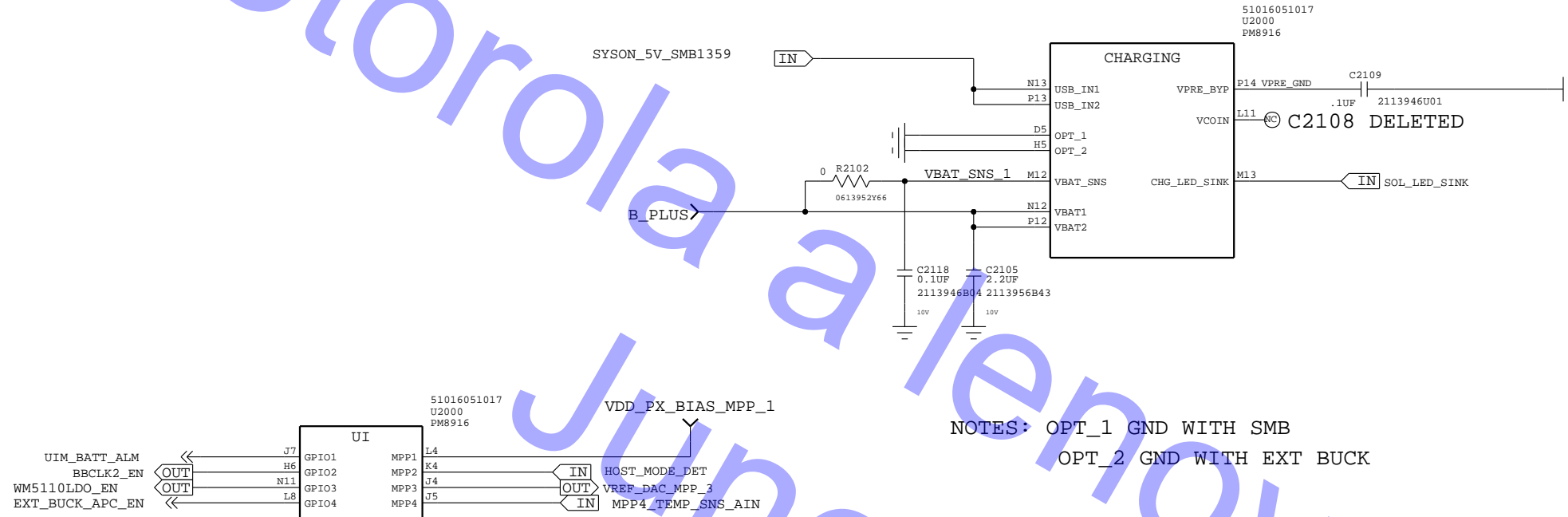
REF: 2000-2999



| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: XIAOYU WANG | | BLOCK TITLE: | |
| LAST MODIFIED BY: MMI Mon Apr 27 11:29:13 2015 | | ap_pmic | |
| 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 84016439001_a.cpm | 01 |
| CAD FILE NAME: | | PAGE 28 OF 51 | |

PM8916: CHRGE/LED/GPIO

REF: 2000-2999

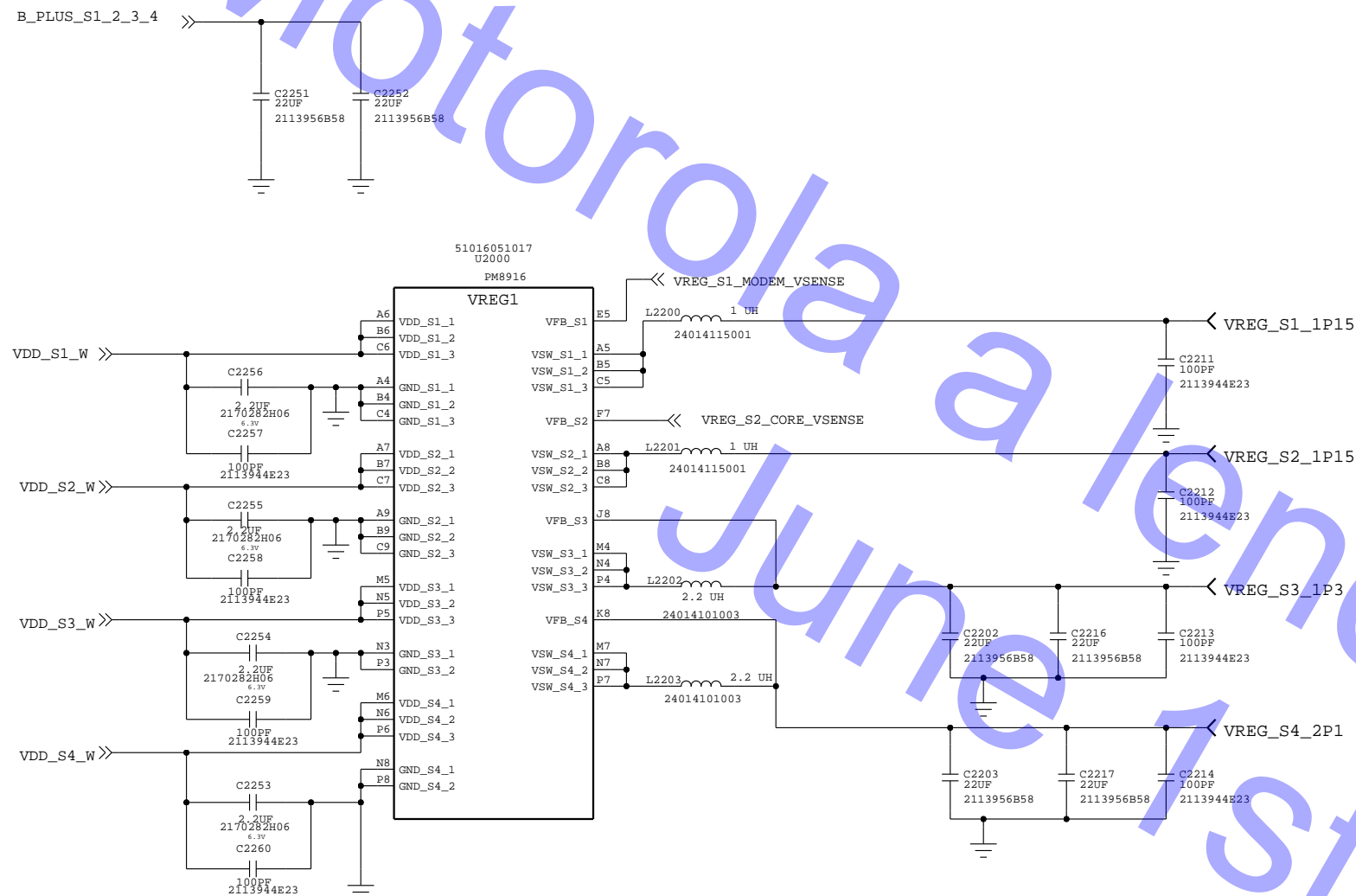


NOTES: OPT_1 GND WITH SMB
OPT_2 GND WITH EXT BUCK

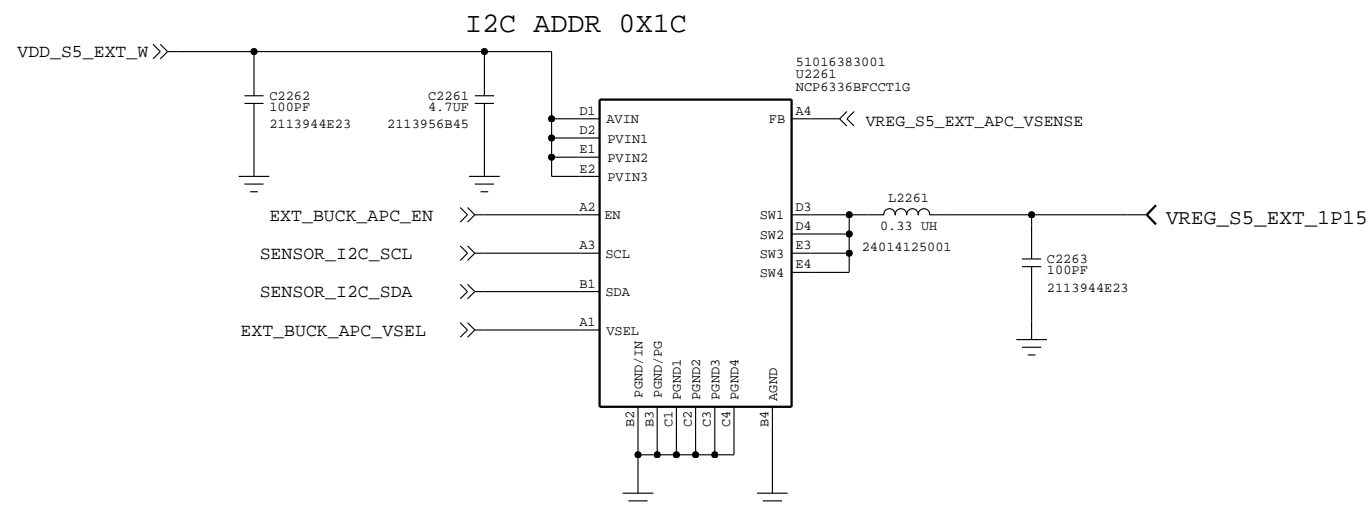
| | | | |
|--|--|-------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MMI | | BLOCK TITLE: | |
| LAST MODIFIED BY: MMI Mon Apr 27 11:29:13 2015 | | ap_pmic | |
| MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH 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 B 84016439001_a.cpm | REV 01 |
| | | CAD FILE NAME: | |
| | | PAGE 29 OF 51 | |

PM8916: SMPS

REF: 2000-2999



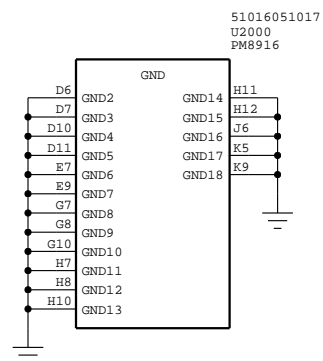
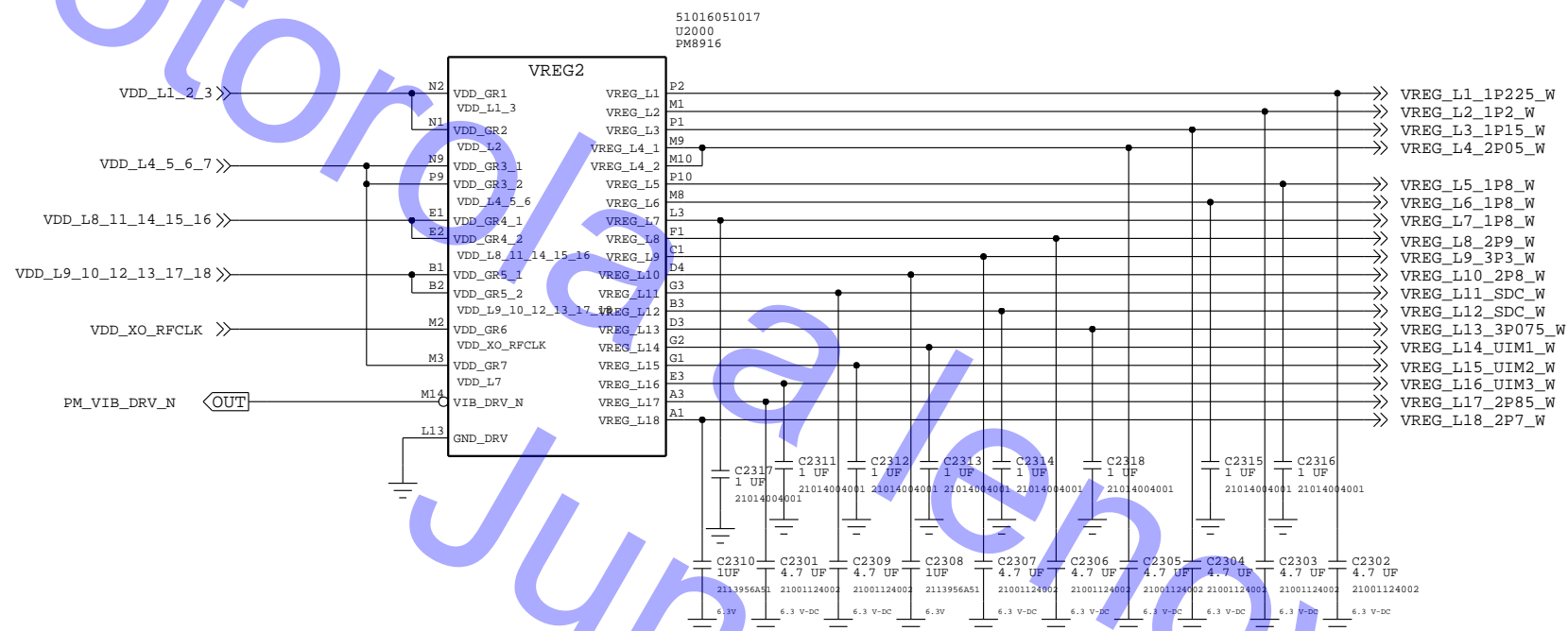
NOTE: PLACE INPUT CAPS CLOSE TO RESPECTIVE VIN PINS
EACH CAP GND SHOULD BE STAR-ROUTED
APC EXT-BUCK REGULATOR



| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: XIAOYU WANG | | BLOCK TITLE: | |
| LAST MODIFIED BY: MMI Mon Apr 27 11:29:14 2015 | | ap_pmic | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PROJECT NAME | REV |
| 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 | | B 84016439001_a.cpm | 01 |
| 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

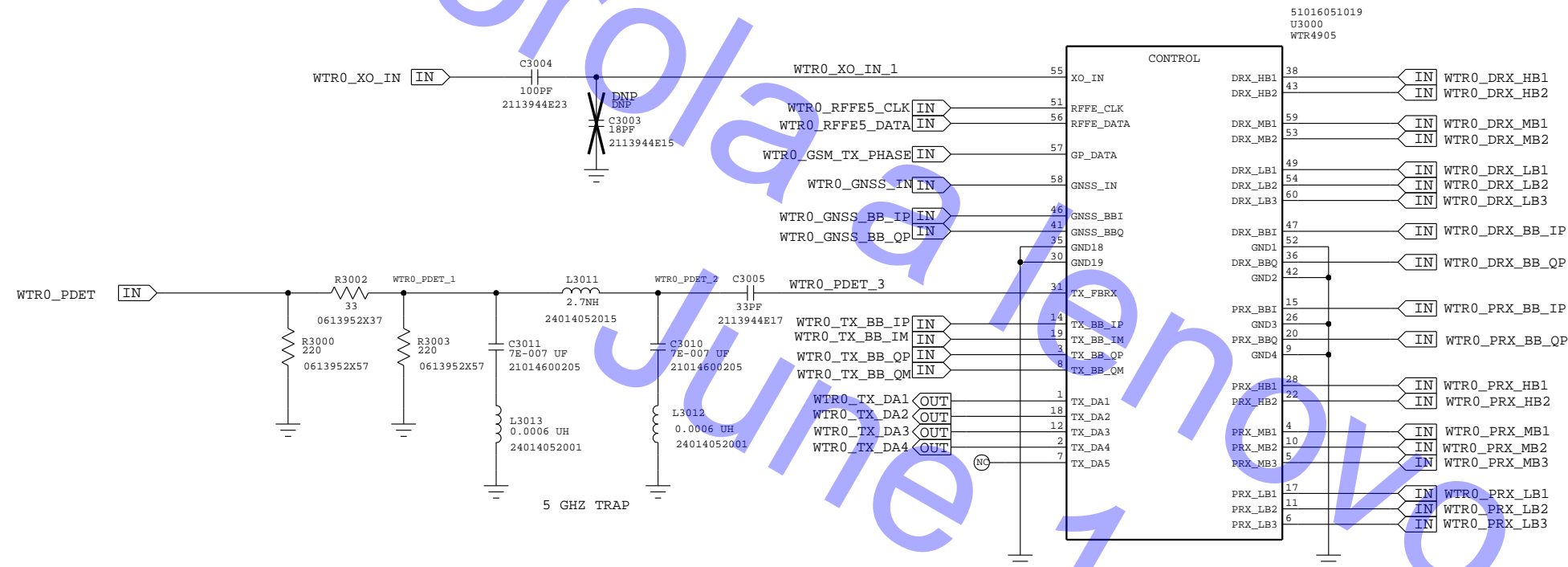
L8, L9, L11, L17 EACH SHALL HAVE TOTAL EFFECTIVE OUTPUT CAPACITANCE OF 4.7UF
 REST OF THE LDOS SHALL HAVE TOTAL EFFECTIVE OUTPUT CAPACITANCE OF 1.0UF

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 | |
| 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 31 OF 51 | |

WTR4905 BB RF

REF 3000-3099

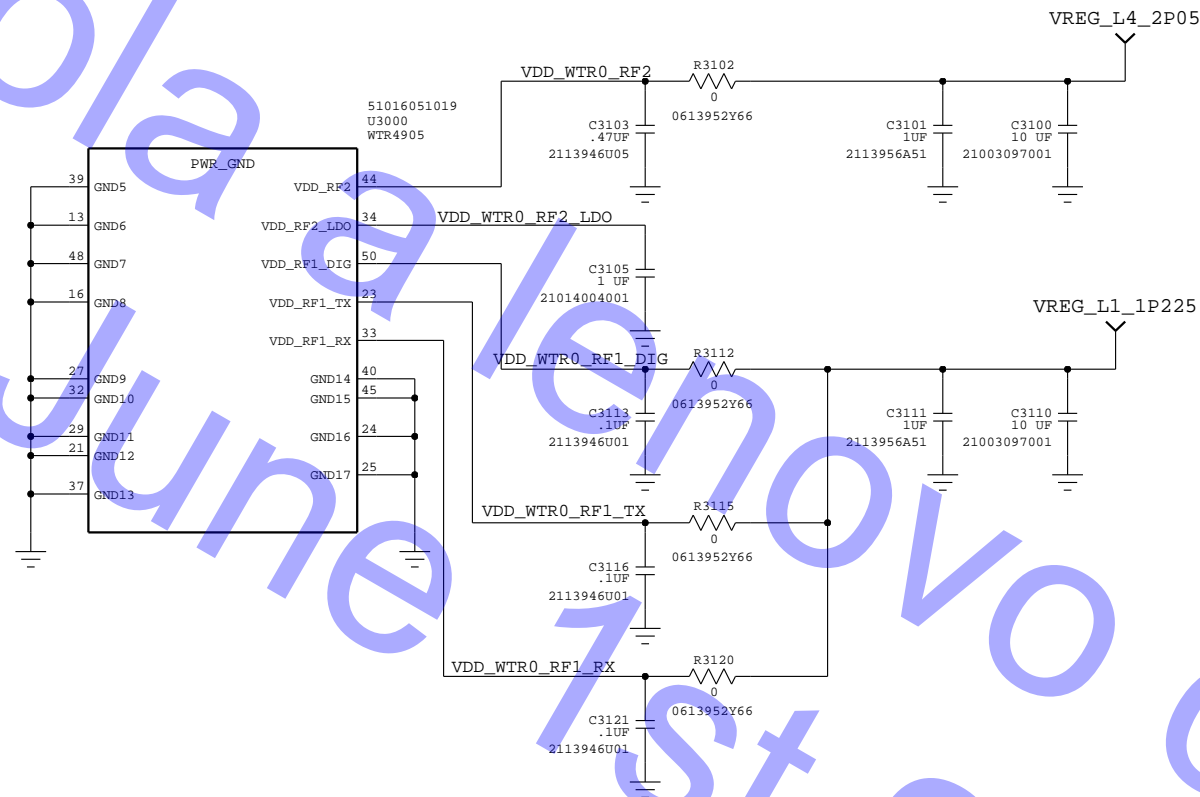


MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

| | | | |
|--|--|---------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MMI | | BLOCK TITLE: | |
| LAST MODIFIED BY: Mon Apr 27 11:29:04 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 84016439001_a.cpm | REV 01 |
| | | 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 | |
| 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 B 84016439001_a.cpm | REV 01 |
| | | CAD FILE NAME: | |
| | | PAGE 33 OF 51 | |

BASED ON 80-NL713-44 REV. A

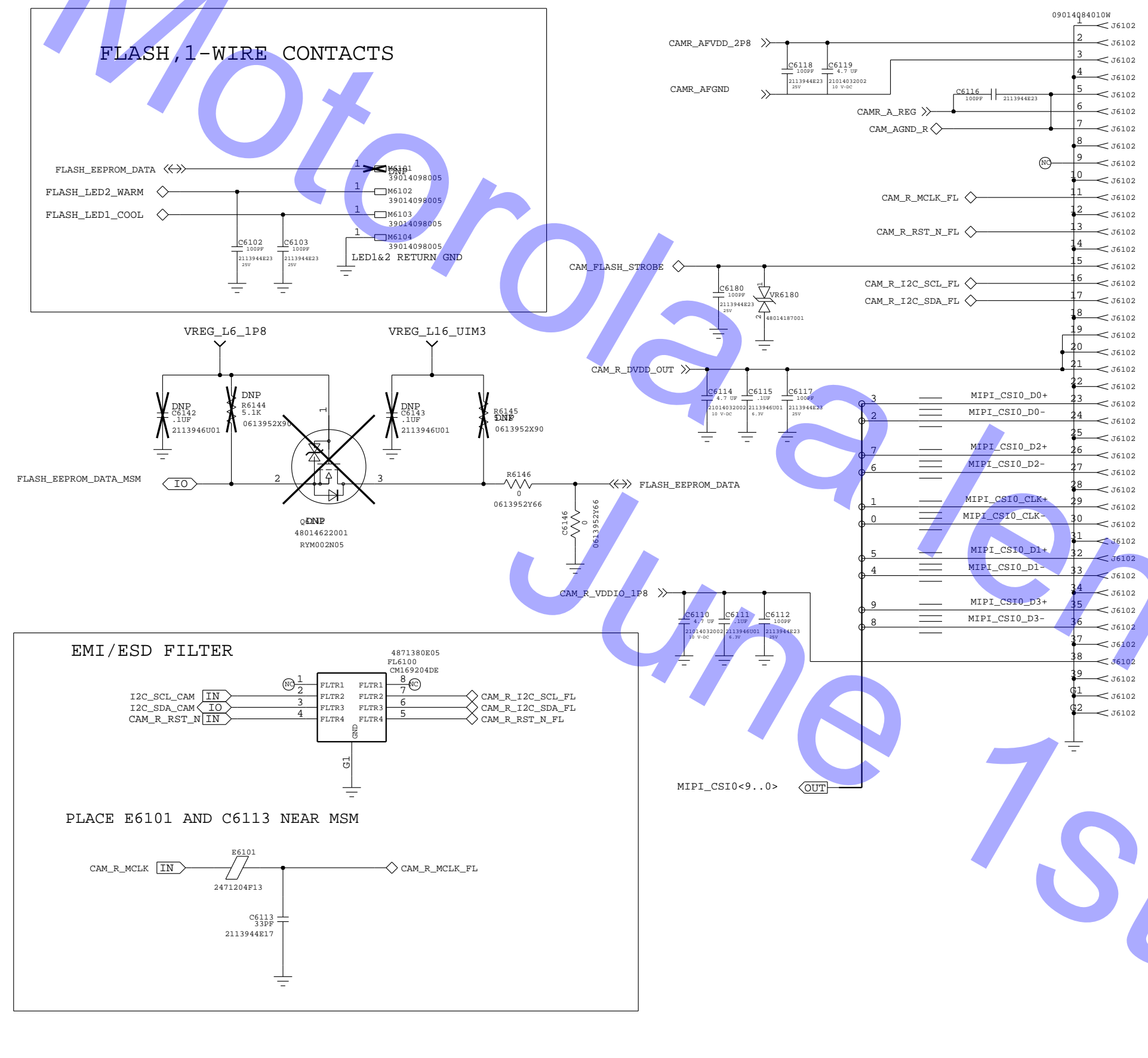
REAR CAMERA

REF: 6100-6149

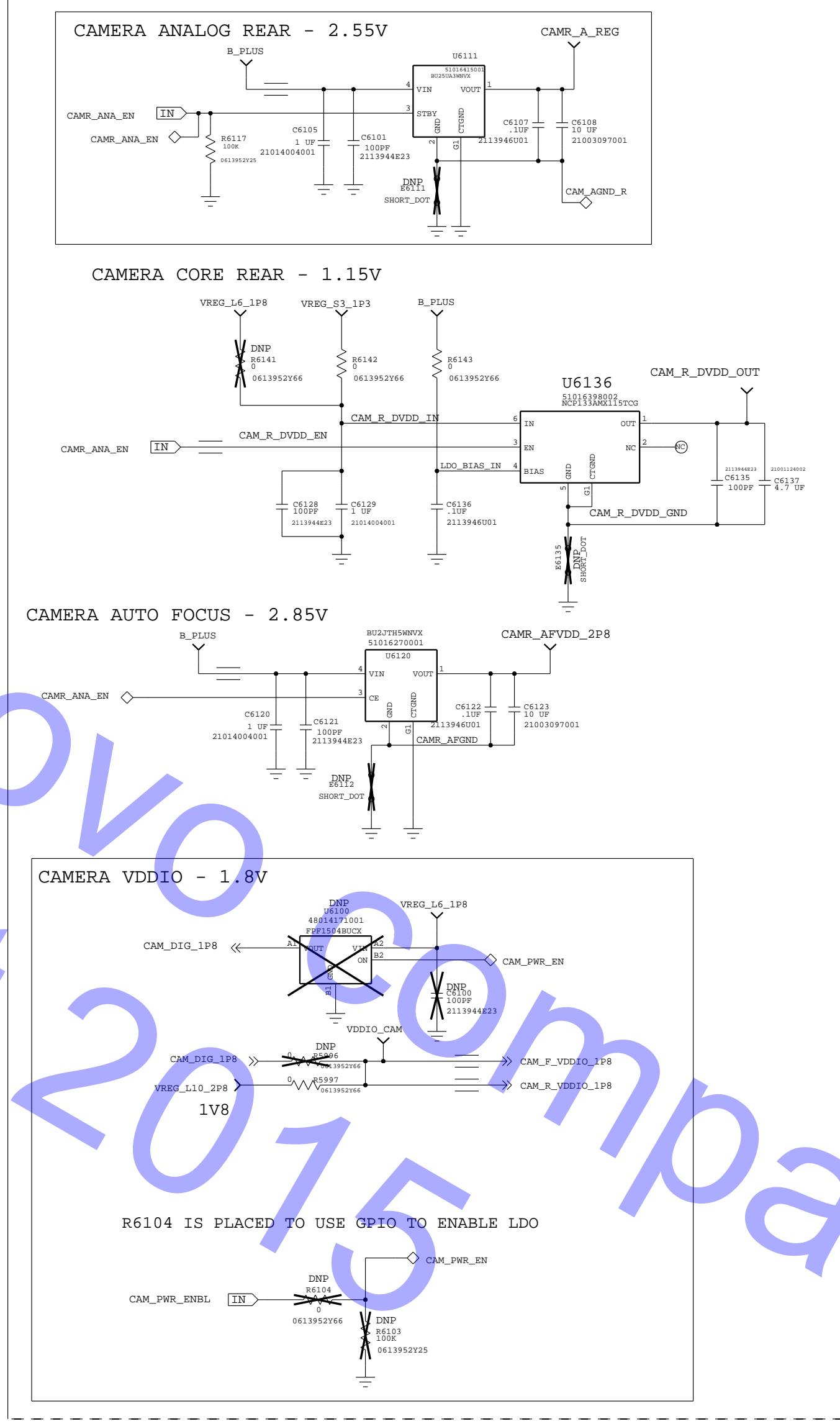
REAR CAM I2C ADDR:
 0X1A (SENSOR)
 0X50 (EPROM)
 0X72 (AUTOF)

| REVISIONS | | | | |
|-----------|-----|-------------|------|-------|
| ZONE | LTR | DESCRIPTION | DATE | APPR. |
| | | | | |

IMAGER FLEX CONNECTOR



POWER REGULATORS



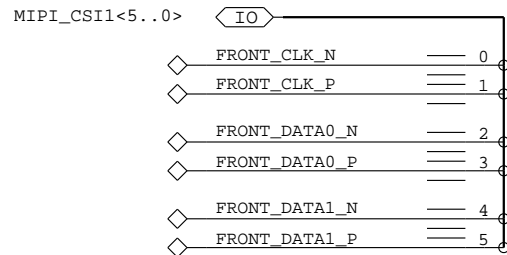
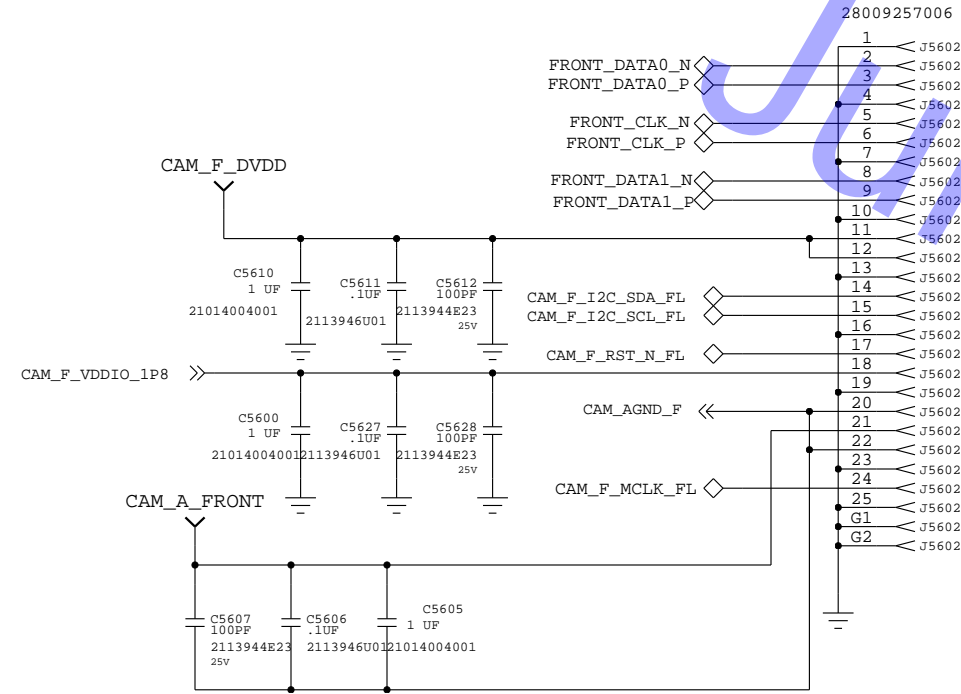
| | | | |
|---|--|-----------------------------------|--|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: W00281 | | BLOCK TITLE: user_interface | |
| LAST MODIFIED BY: W00281 Mon Apr 27 11:45:31 2015 | | PROJECT NAME 84016439001_a.cpm | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | REV 01 | |
| THE DRAWING ON THIS PRINT AND INFORMATION THEREON 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 | | CAD FILE NAME: | |

FRONT CAMERA

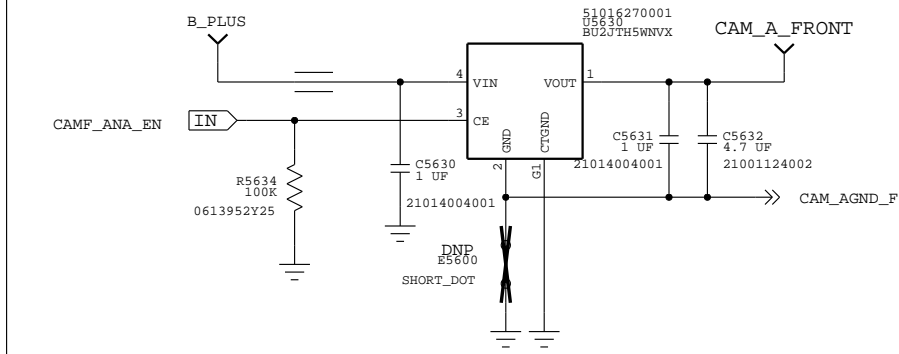
REF 5600-5649

FF CAMERA CONNECTOR

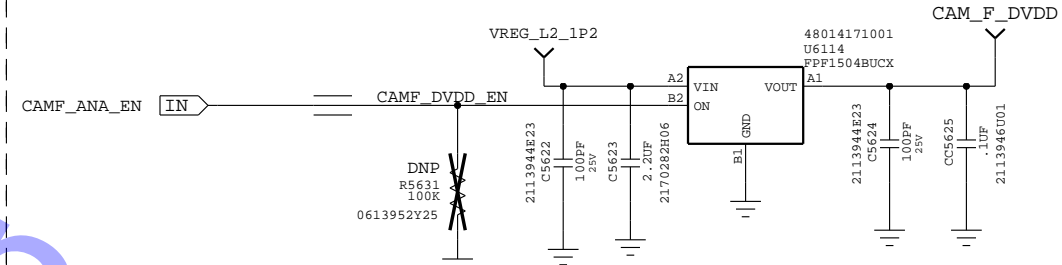
REAR CAM I2C ADDR:X10



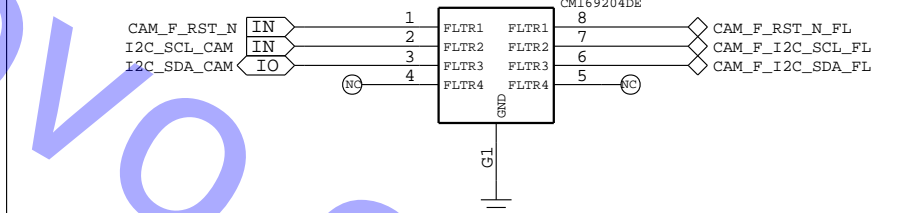
CAMERA ANALOG FRONT - 2.85V



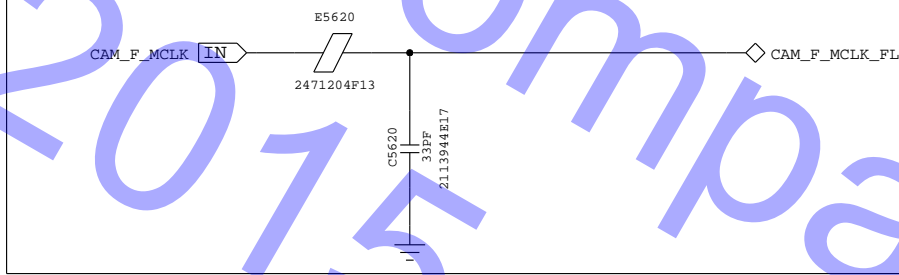
CAMERA FRONT DVDD - 1.2V



EMI/ESD FILTER



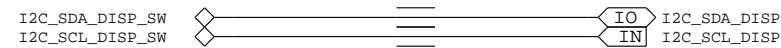
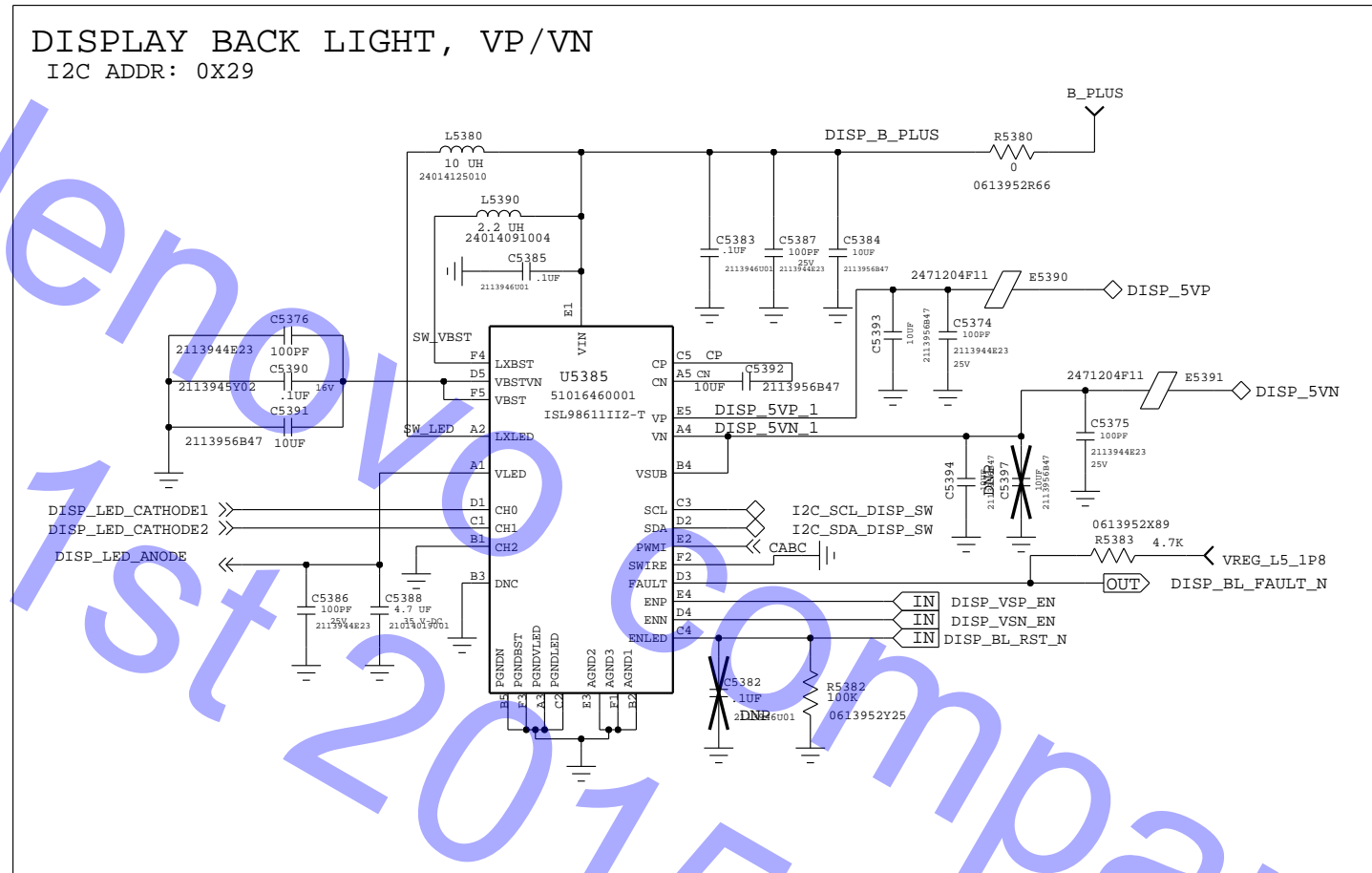
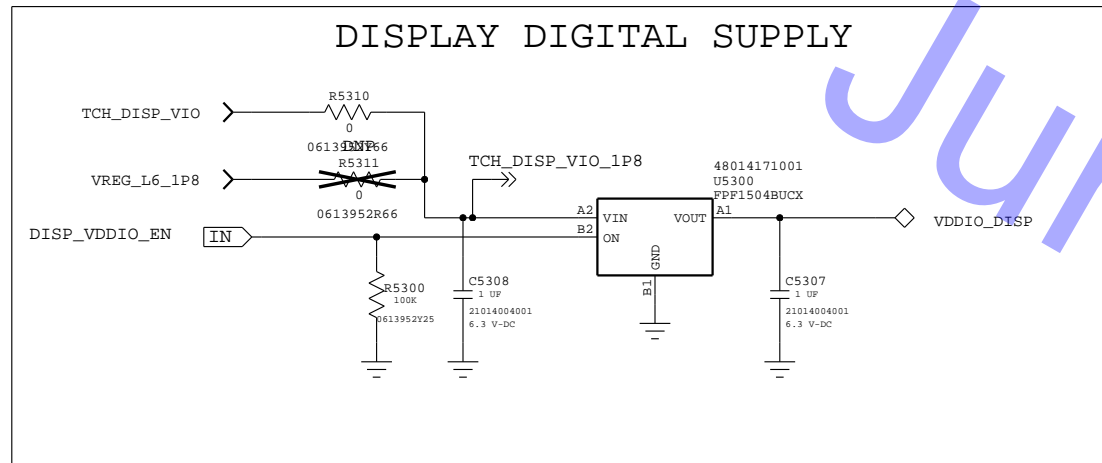
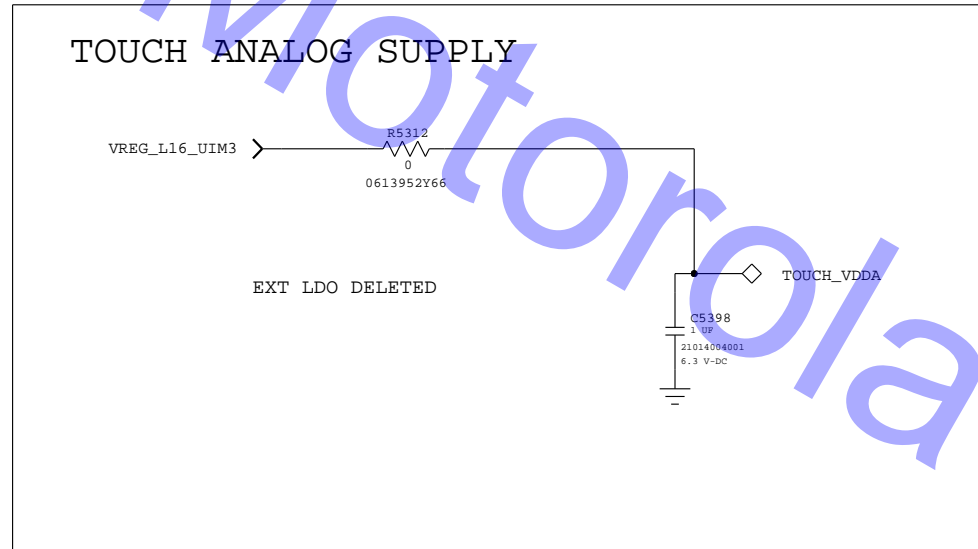
PLACE E5620 AND C5620 NEAR MSM



| | | | |
|---|--|---------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: JOHN KRAMER | | BLOCK TITLE: user_interface | |
| LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:28:59 2015 | | PROJECT NAME 84016439001_a.cpm | |
| MOTOROLA CONFIDENTIAL RESTRICTED THE DRAWING ON THIS PRINT AND INFORMATION THERWITH 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 | | CAD FILE NAME: | REV 01 |
| | | PAGE 35 OF 51 | |

DISP: POWER

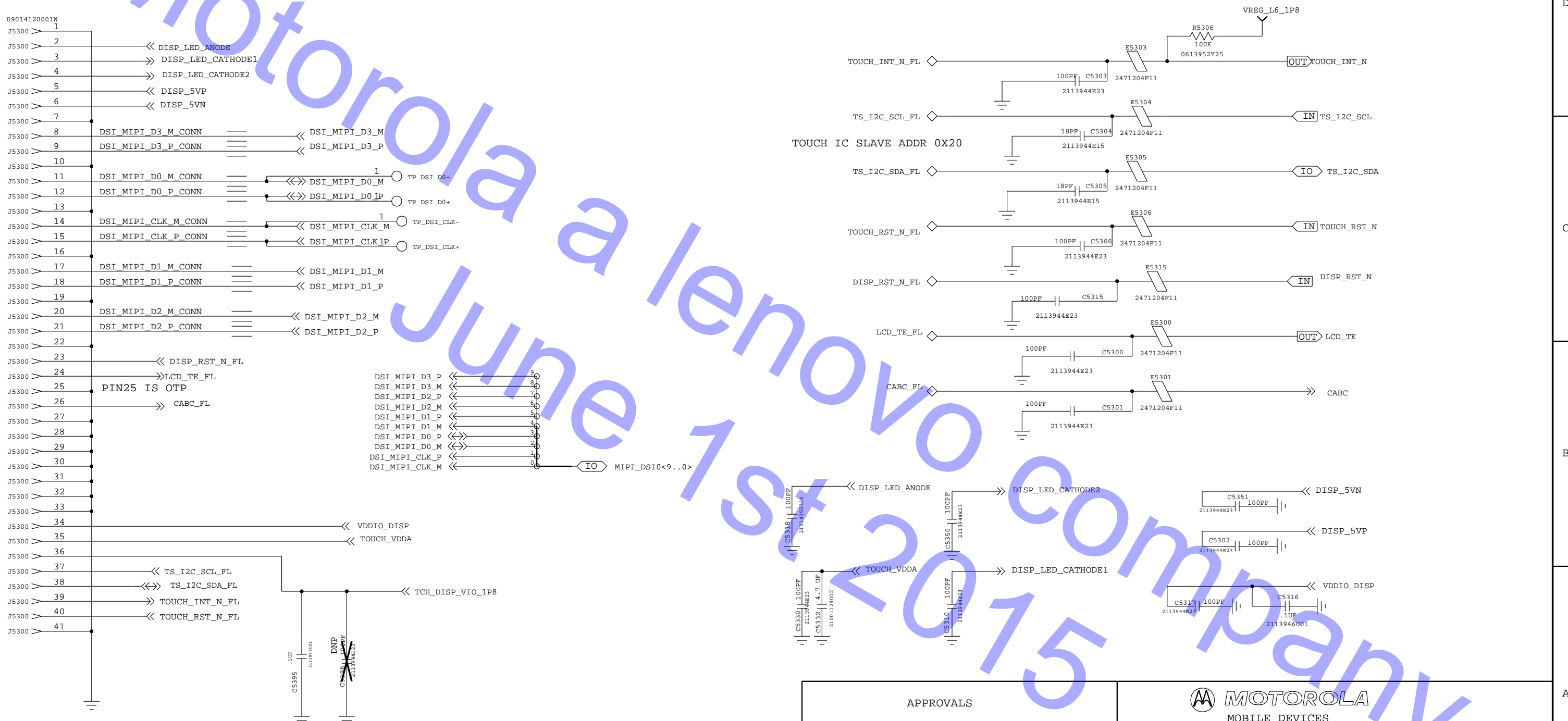
REF: 5300-5399



| | | | |
|--|--|---------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MIGUEL DELEON | | BLOCK TITLE: user_interface | |
| LAST MODIFIED BY: MIGUEL DELEON Mon Apr 27 11:28:59 2015 | | PROJECT NAME 84016439001_a.cpm | |
| 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> | | CAD FILE NAME: | REV 01 |
| | | PAGE 36 OF 51 | |

DISP: CONNECTOR

REF: 5300-5399

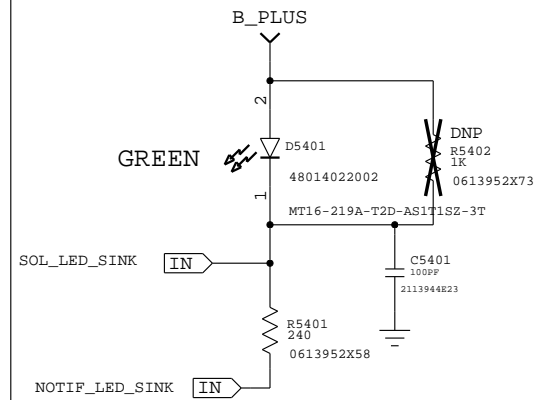


| | | | |
|--|--|-----------------------------------|-----|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MIGUEL DELEON | | BLOCK TITLE: | |
| LAST MODIFIED BY: MIGUEL DELEON Mon Apr 27 11:29:00 2015 | | user_interface | |
| MOTOROLA CONFIDENTIAL RESTRICTED THE DRAWING ON THIS PRINT AND INFORMATION 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 84016439001_a.cpm | 01 |
| CAD FILE NAME: | | PAGE 37 OF 51 | |

KEYS AND LEDS

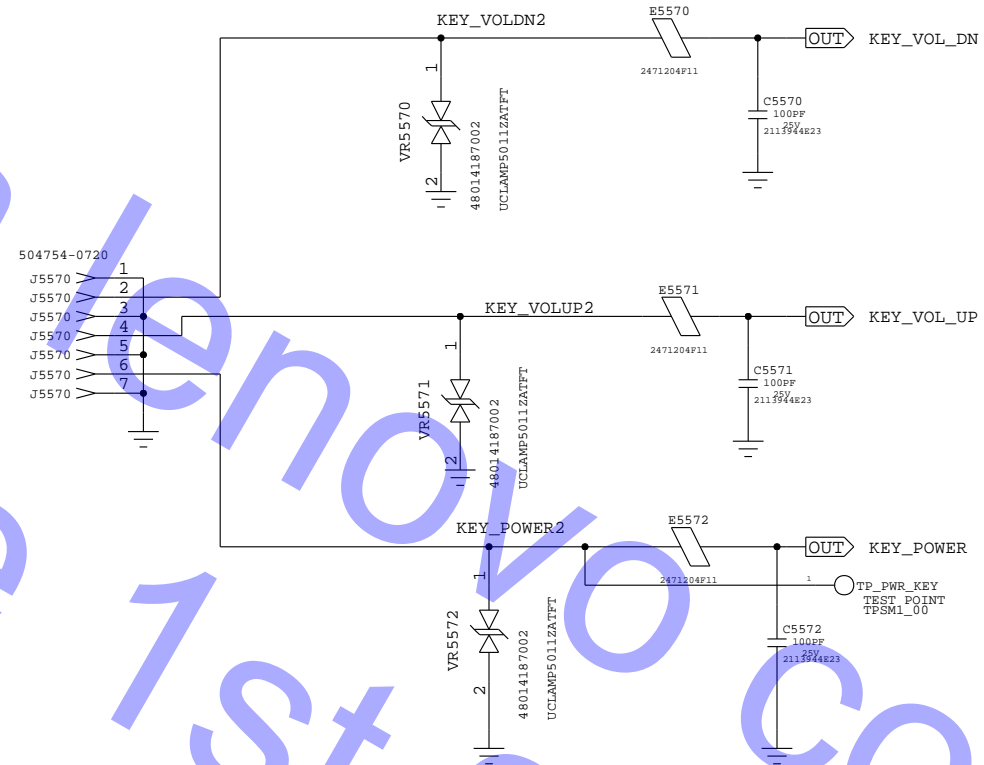
SOL + NOTIFICATION LED

REF: 5400-5409



MECHANICAL KEYS

REF: 5570-5579



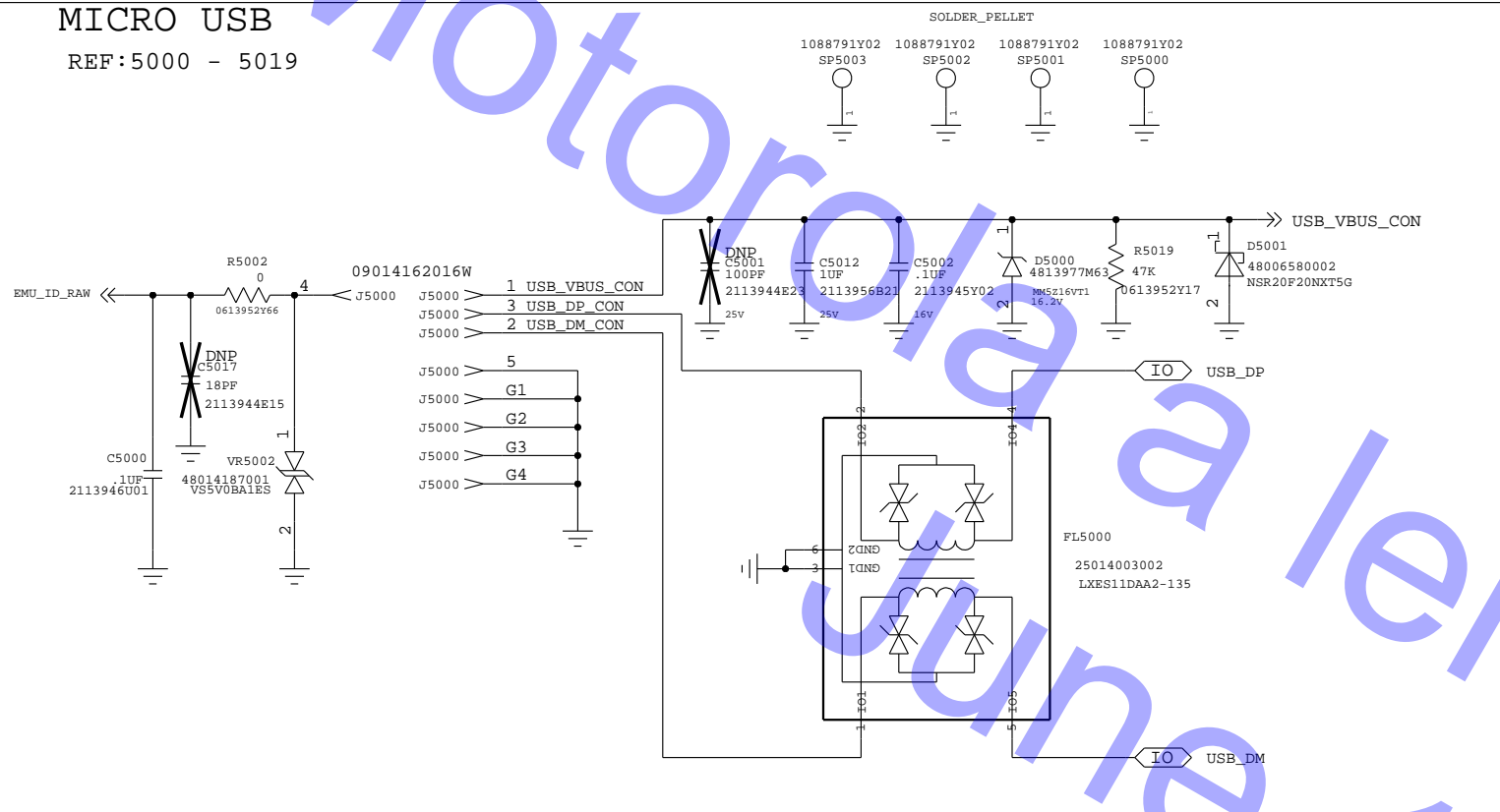
| | | | |
|--|--|-------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: CARI HERNANDEZ | | BLOCK TITLE: | |
| LAST MODIFIED BY: CARI HERNANDEZ Wed May 06 11:48:36 2015 | | user_interface | |
| MOTOROLA CONFIDENTIAL RESTRICTED THE DRAWING ON THIS PRINT 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 B 84016439001_a.cpm | REV 01 |
| | | CAD FILE NAME: | |
| | | PAGE 38 OF 51 | |

USB_BATTERY

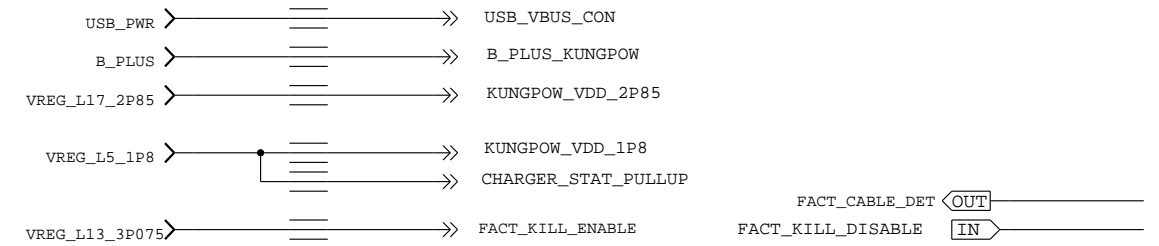
REF:5000 - 5299

MICRO USB

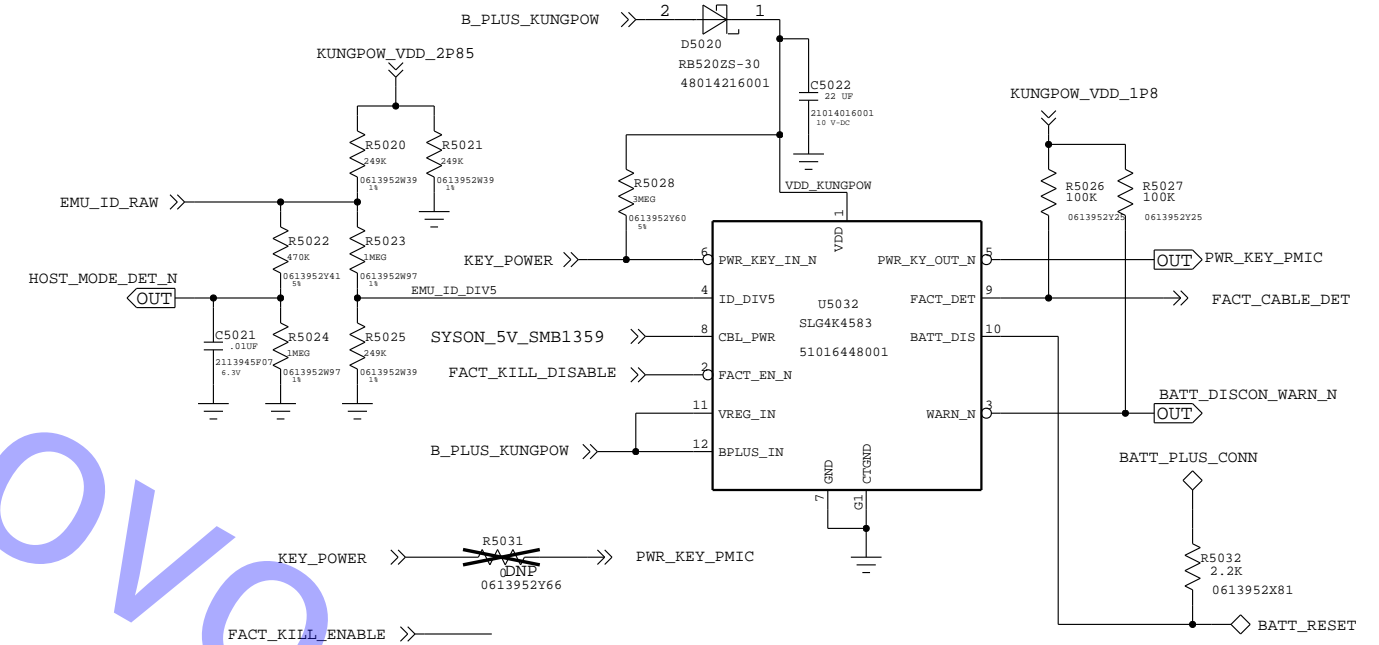
REF:5000 - 5019



SUPPLIES

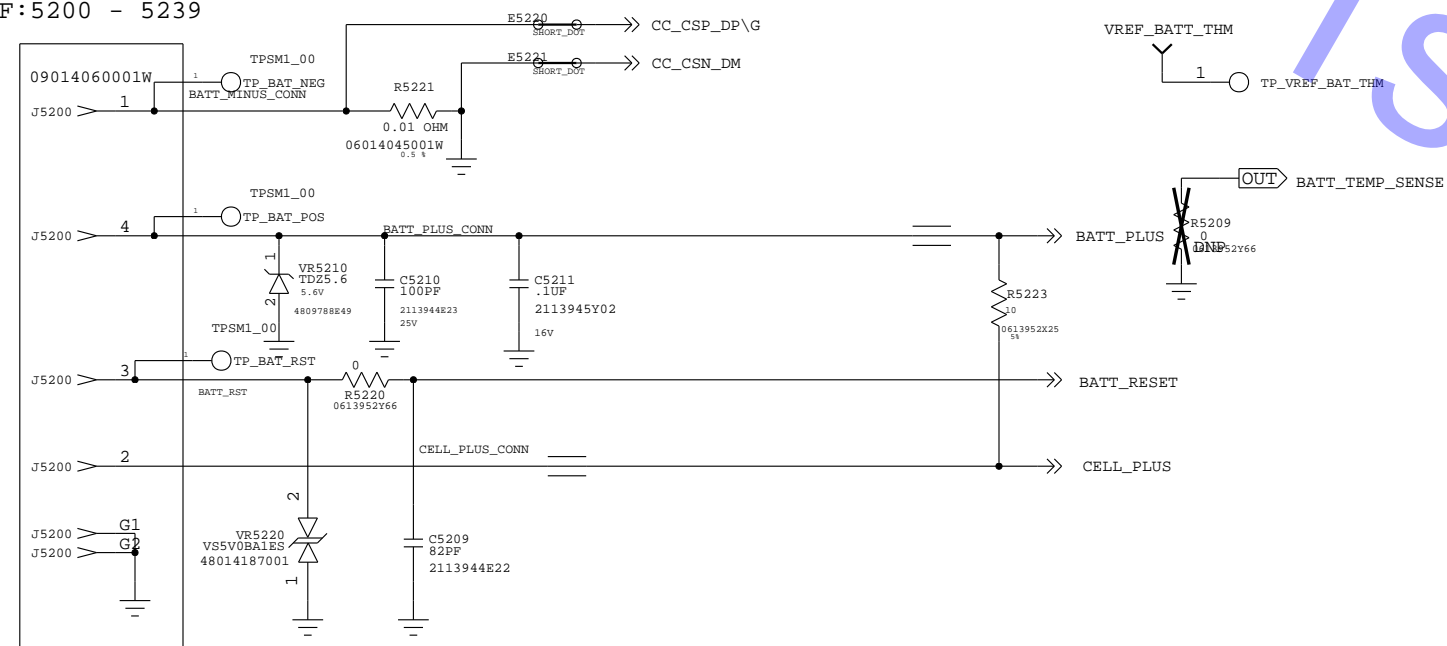


KUNG KOW BATTERY DISCONNECT



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

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: 84016439001_a.cpm
 REV: 01

CAD FILE NAME:

CHARGING

REF: 5240 - 5279

D

C

B

A

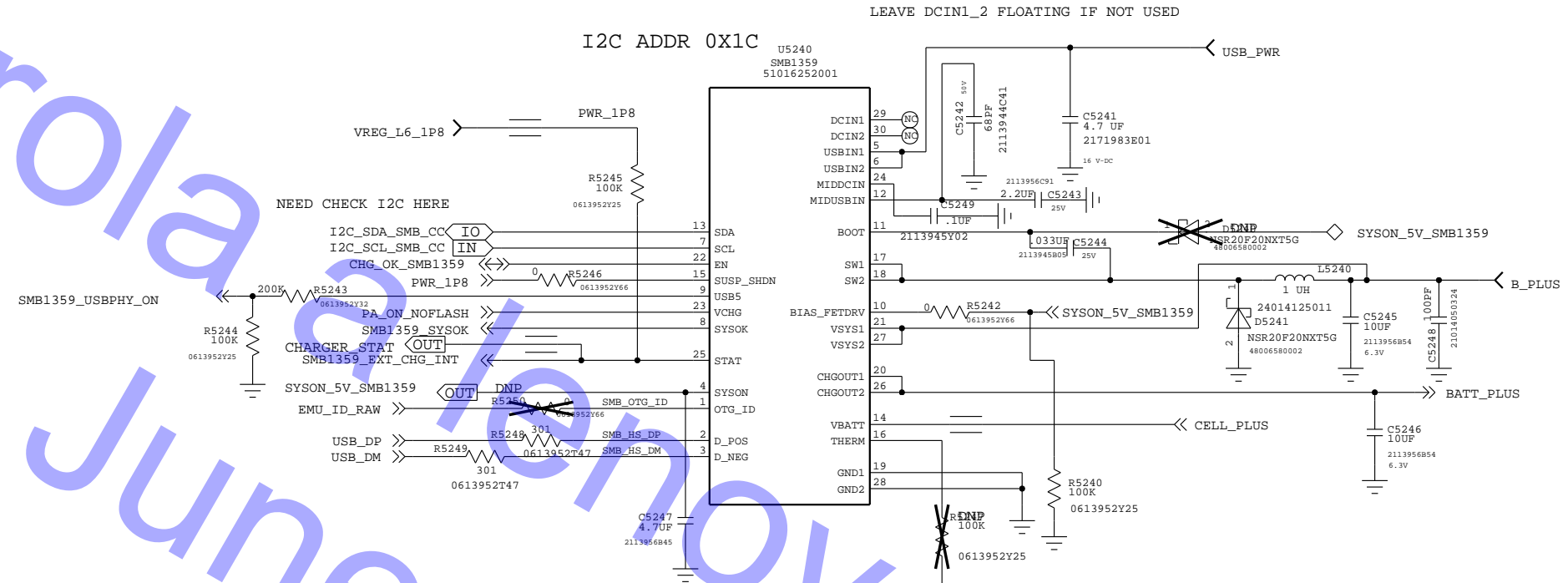
D

C

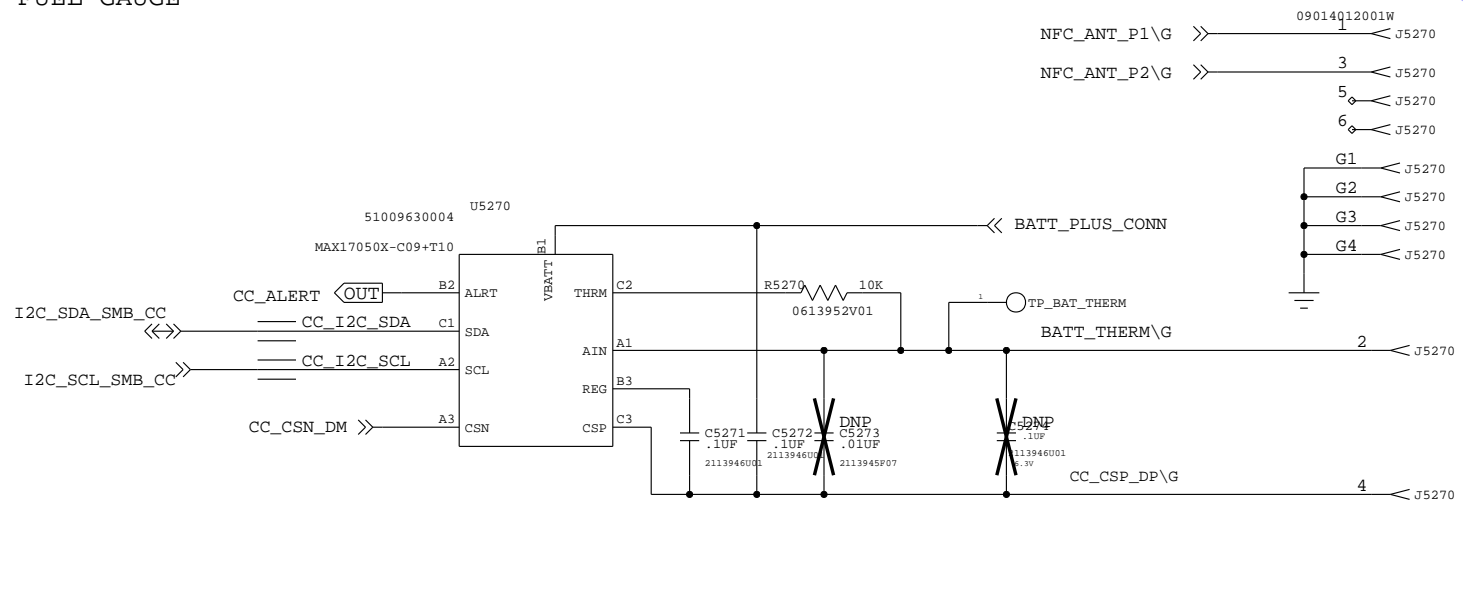
B

A

I2C ADDR 0X1C



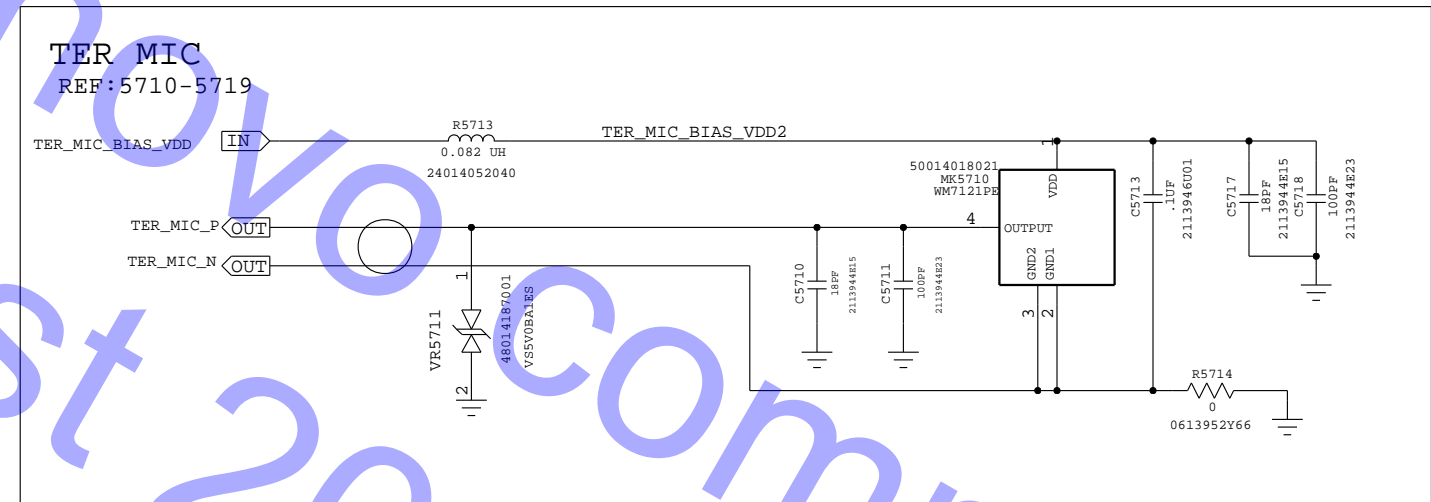
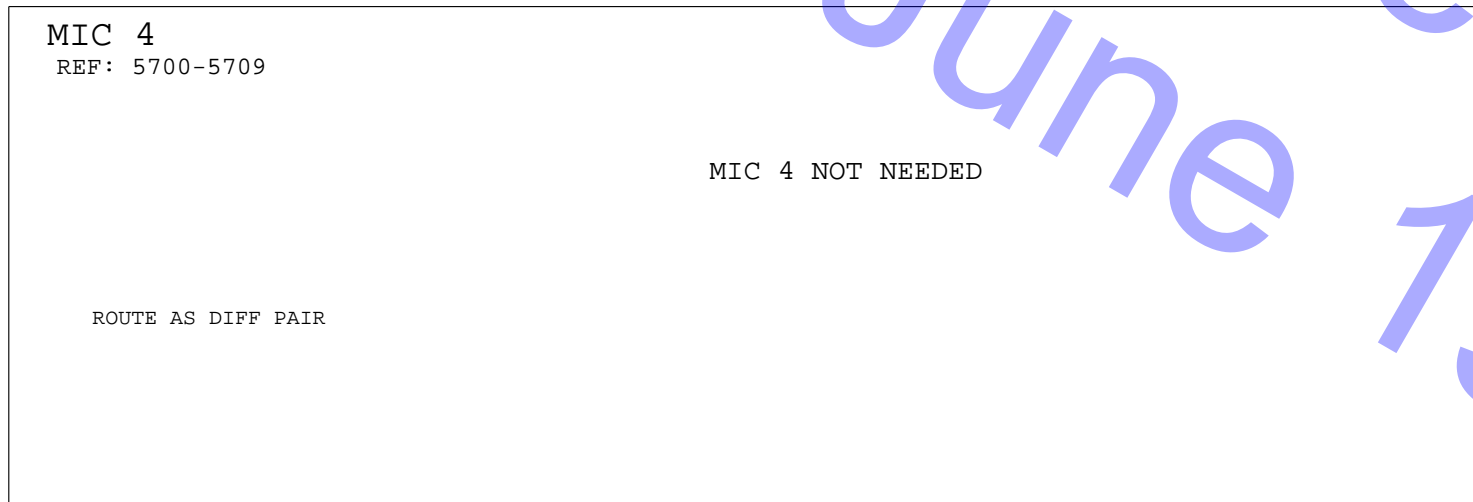
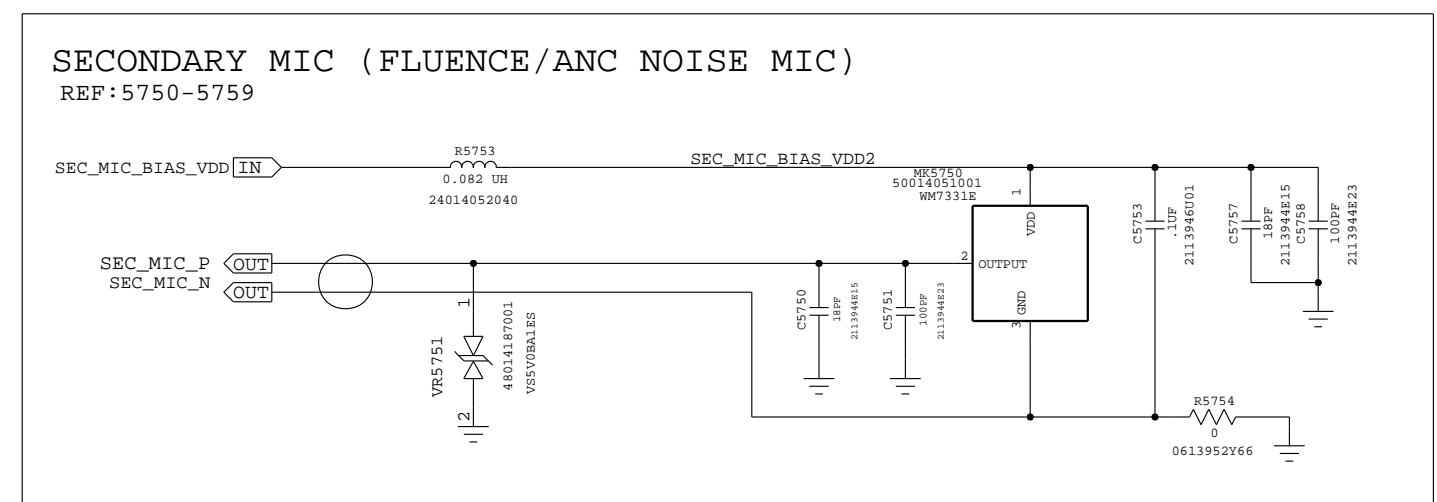
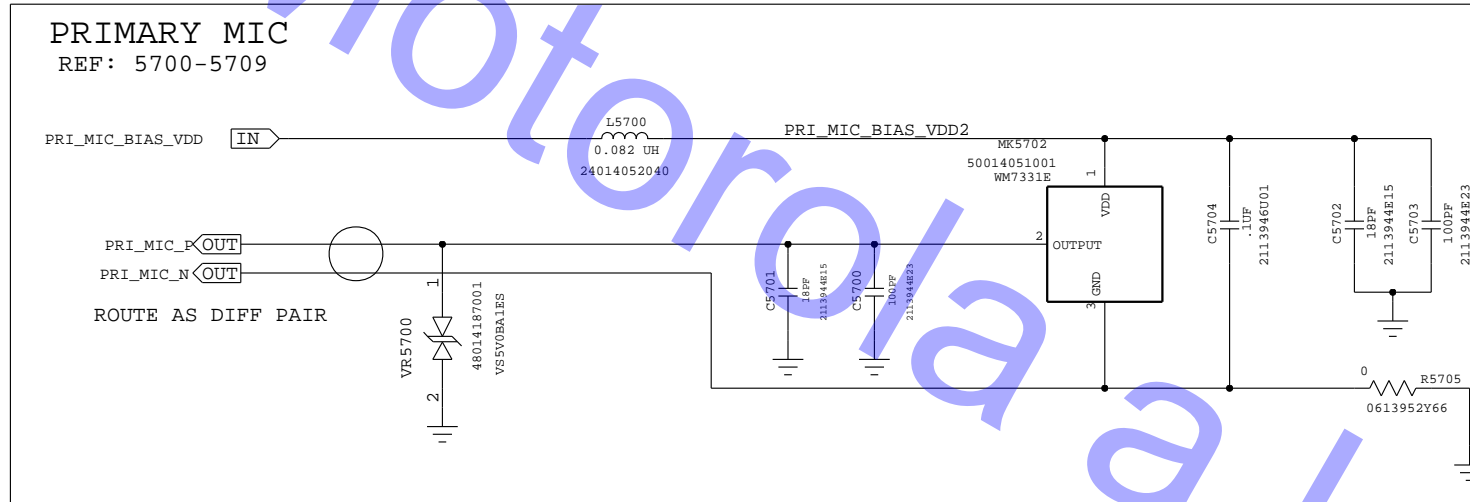
FUEL GAUGE



| | | | |
|--|--|-----------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: MMI | | BLOCK TITLE: user_interface | |
| LAST MODIFIED BY: MMI Mon Apr 27 11:29:02 2015 | | PROJECT NAME 84016439001_a.cpm | |
| 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 | | CAD FILE NAME: | REV 01 |

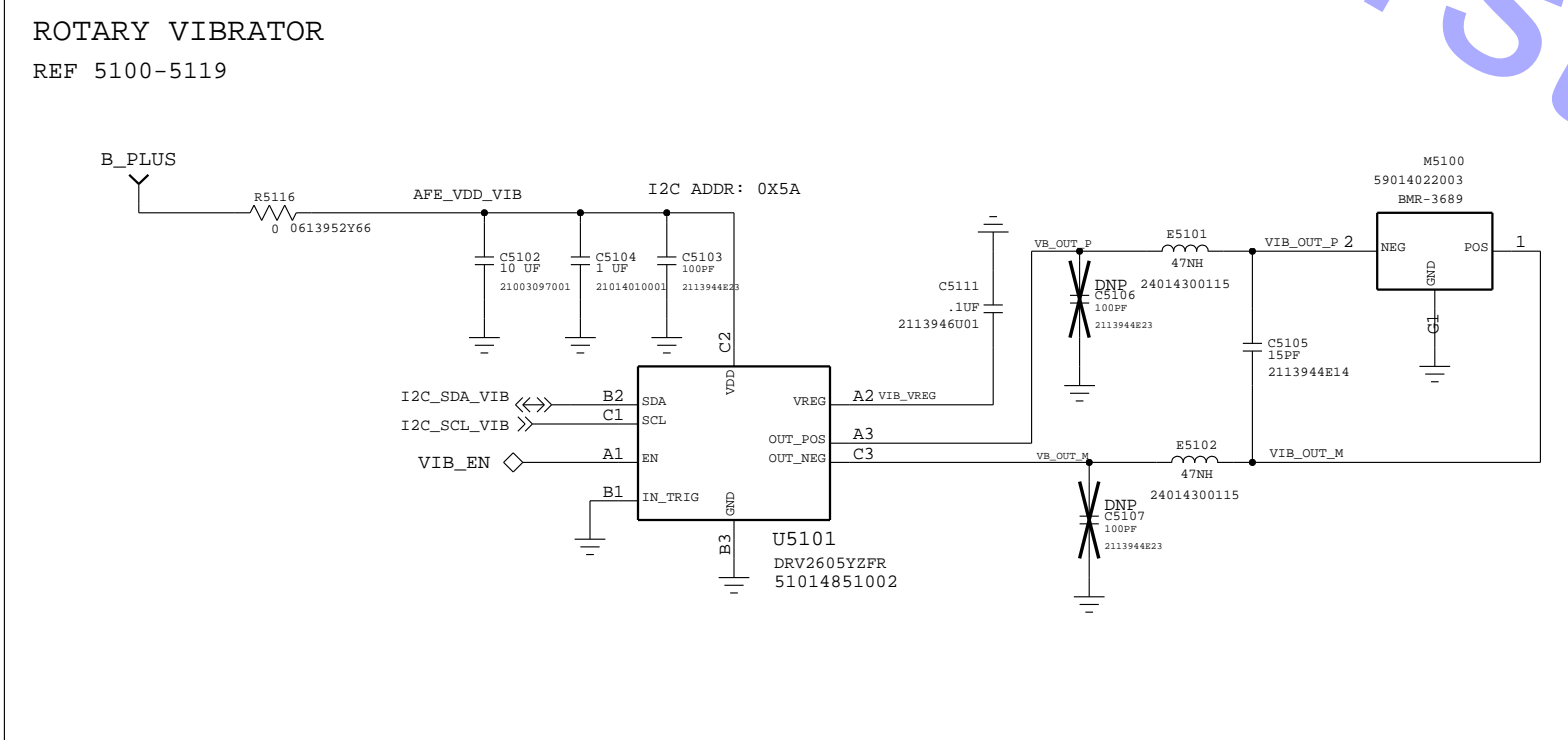
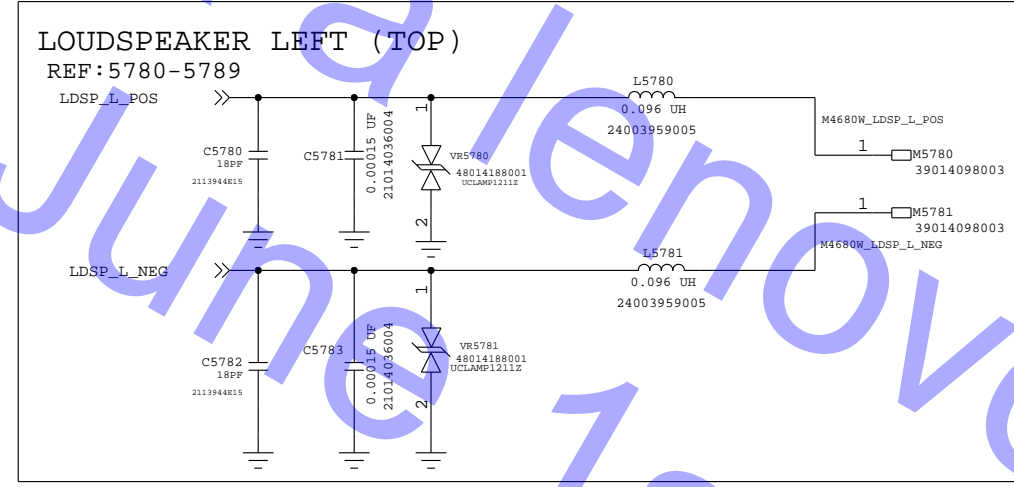
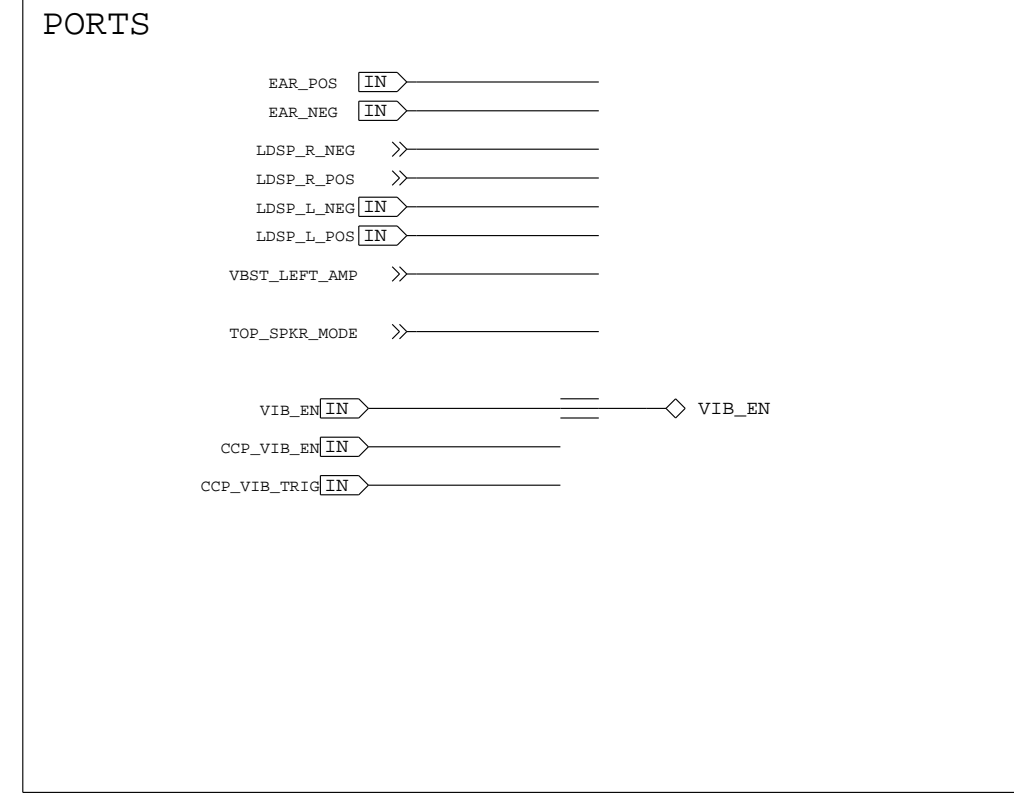
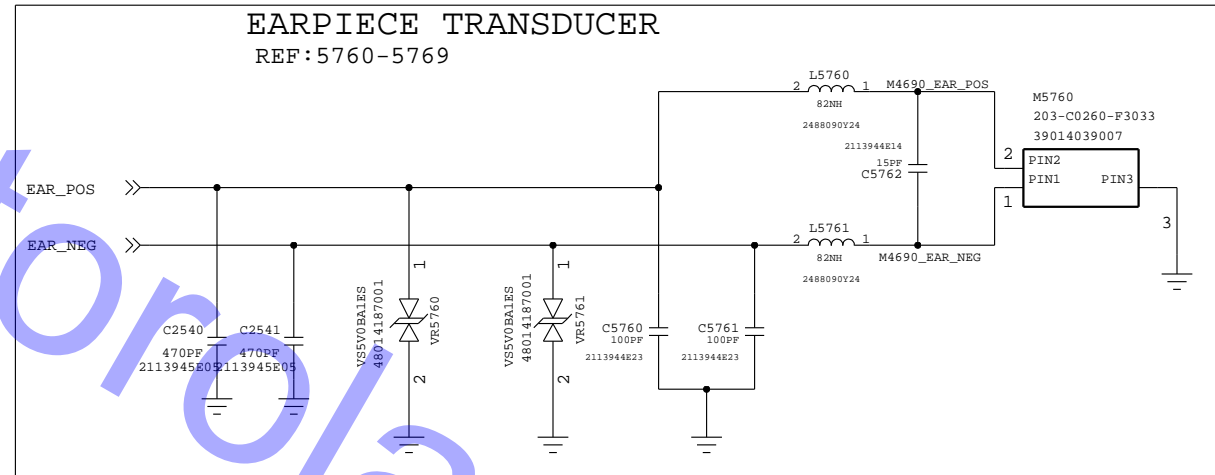
AFE : MICS

REF: 5700-5799



| | | | |
|--|--|-----------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: DENNIS BUDNICK | | BLOCK TITLE: audio_fe | |
| LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:24 2015 | | PROJECT NAME 84016439001_a.cpm | |
| 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> | | CAD FILE NAME: | REV 01 |
| | | PAGE 41 OF 51 | |

AFE : SPEAKERS



| | | | |
|--|--|---------------------|---------------|
| APPROVALS | | | |
| ENGINEER: DENNIS BUDNICK | | BLOCK TITLE: | |
| LAST MODIFIED BY: TIM MILLER Mon Apr 27 11:29:25 2015 | | audio_fe | |
| MOTOROLA CONFIDENTIAL RESTRICTED | | PROJECT NAME | REV |
| <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> | | B 84016439001_a.cpm | 01 |
| | | CAD FILE NAME: | PAGE 42 OF 51 |

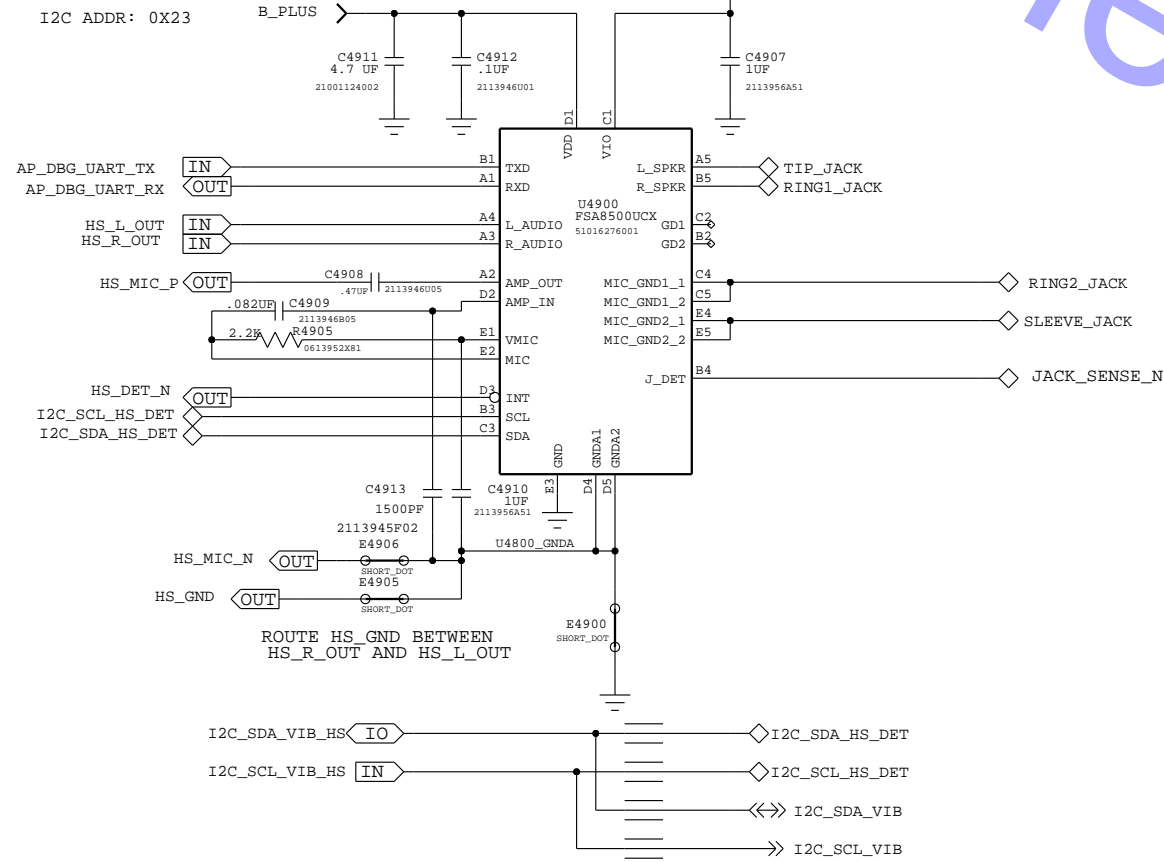
3.5MM HEADSET

SENSOR HUB HEADSET DETECTION CIRCUIT

DELETED

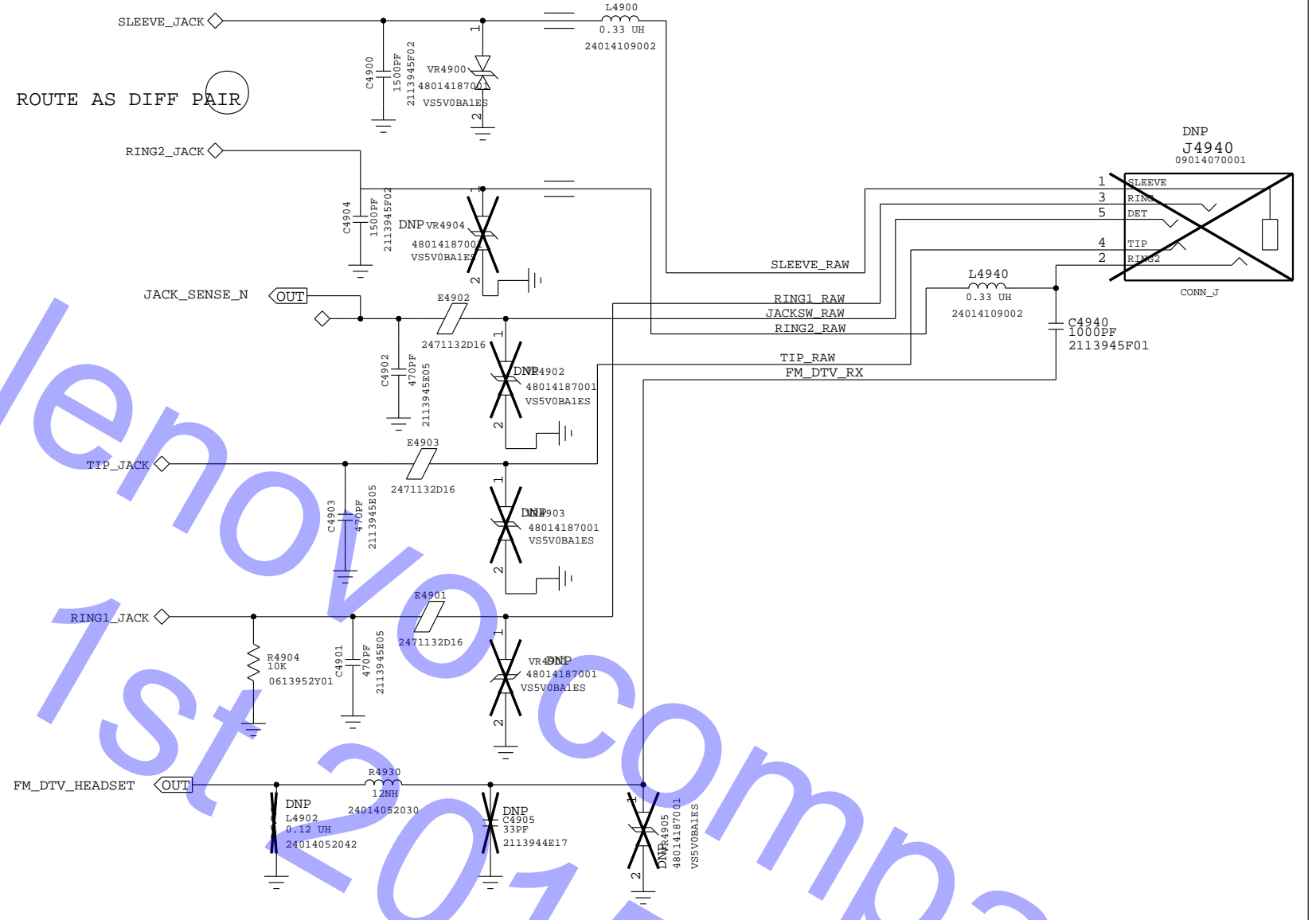
AUDIO JACK DETECTION

REF: 4800-4849



3.5MM HSJ

REF: 4900-4949



APPROVALS

ENGINEER: MMI

LAST MODIFIED BY: MMI

Mon Apr 27 11:29:25 2015

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

MOTOROLA
MOBILE DEVICES

BLOCK TITLE:

audio_fe

PROJECT NAME

84016439001_a.cpm

REV

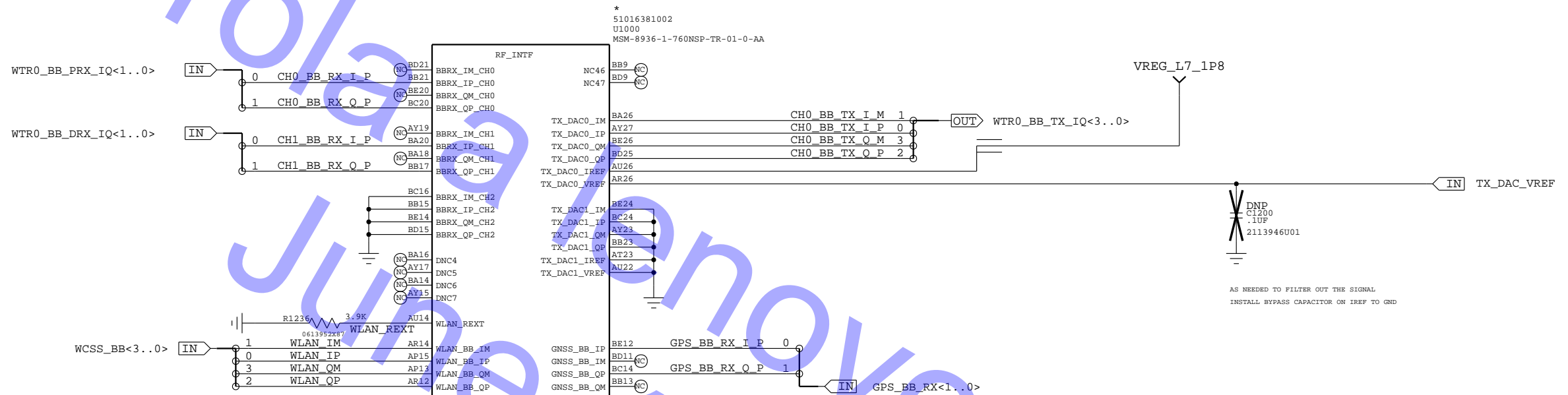
01

CAD FILE NAME:

PAGE 43 OF 51

MSM8X36 RF INTERFACE

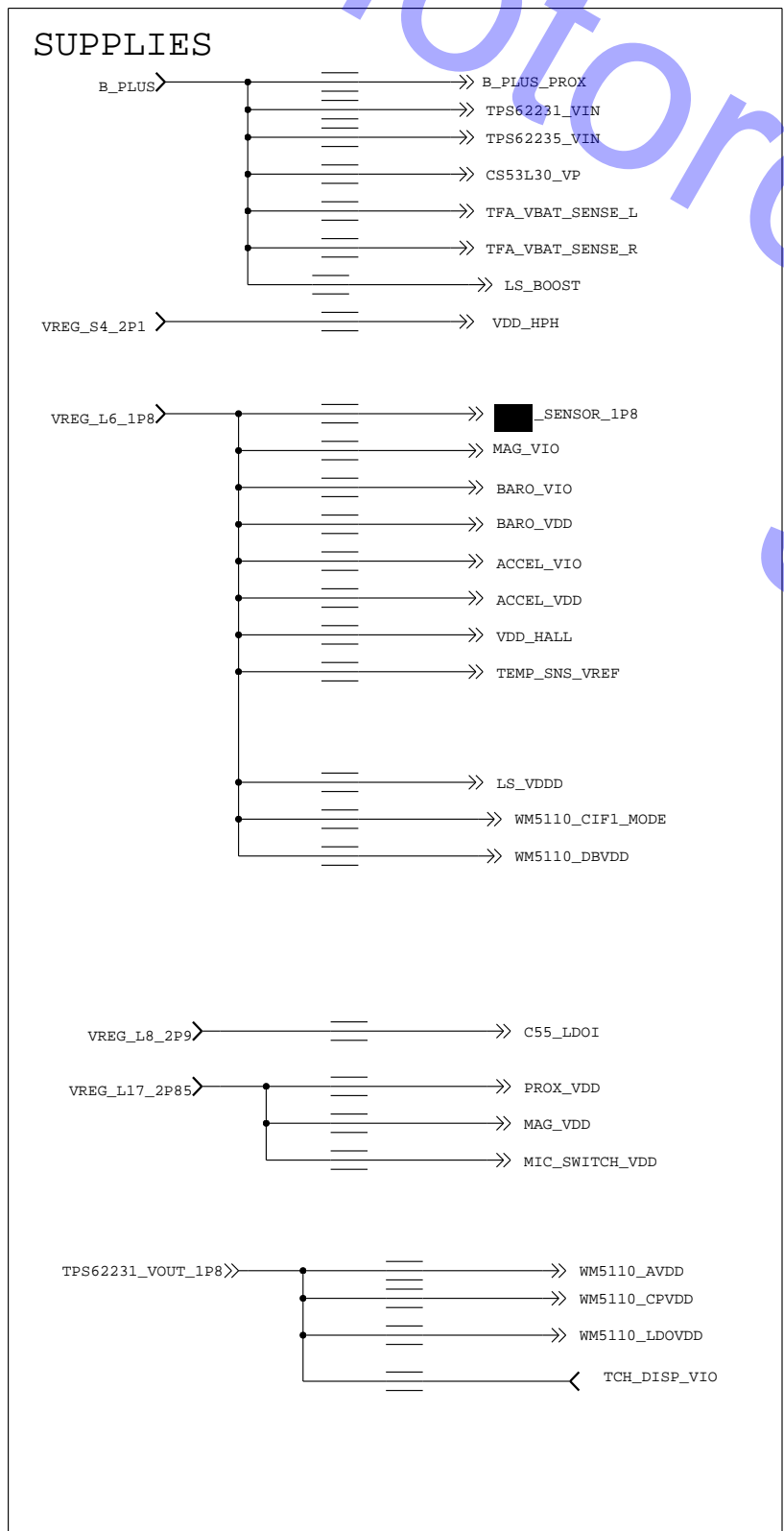
REF 1200-1299



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 | |
| 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 44 OF 51 | |

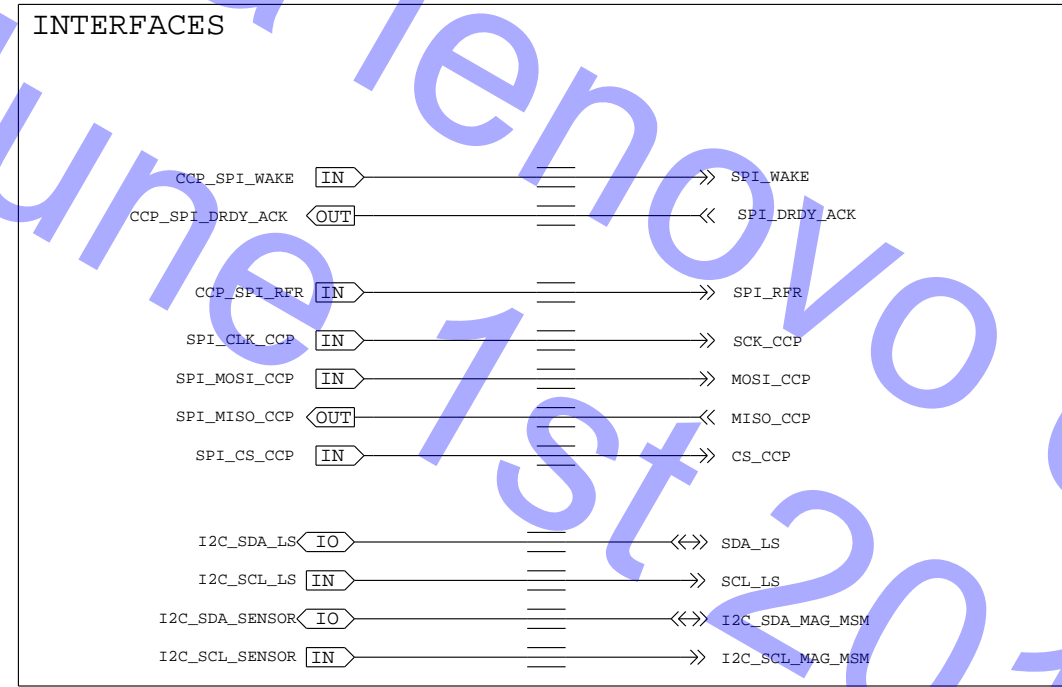
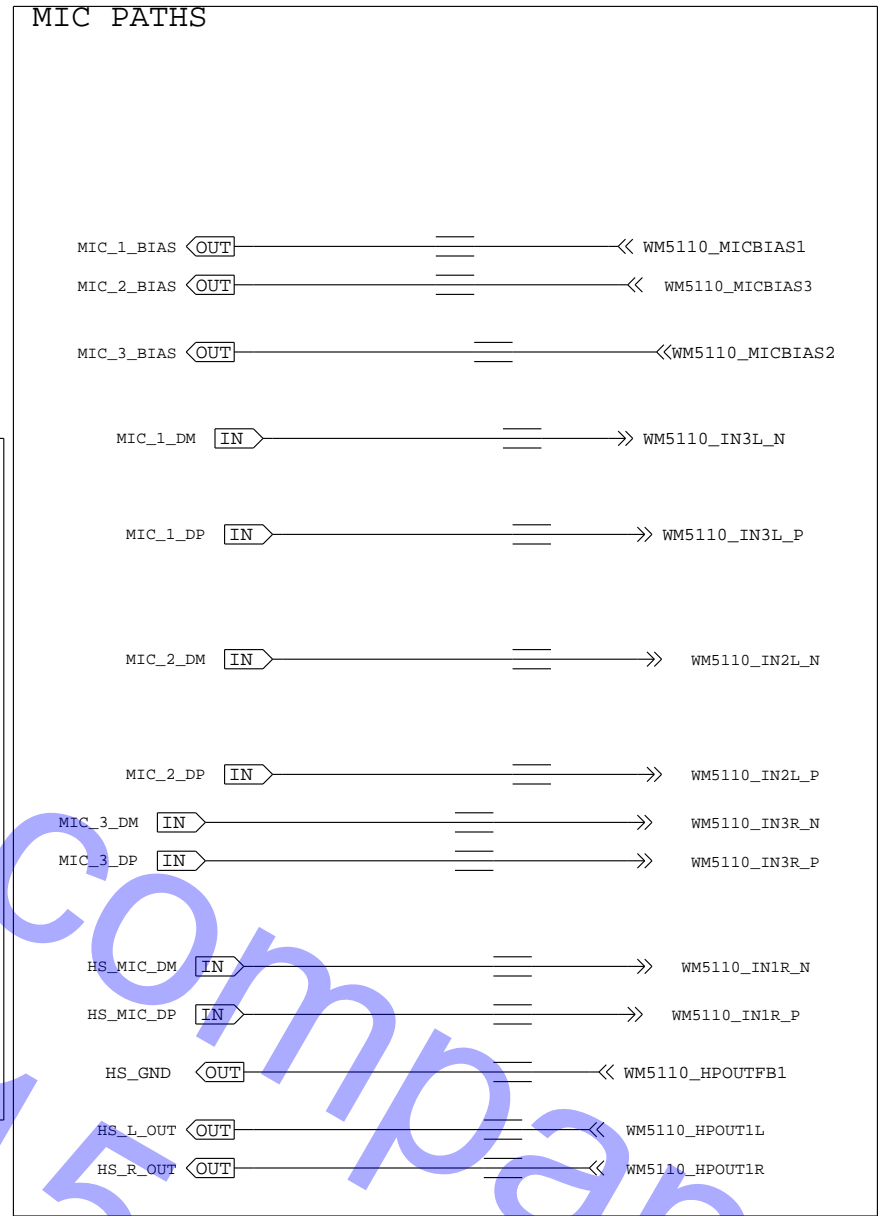
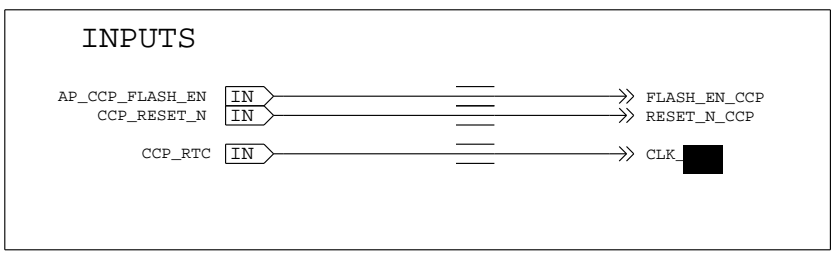
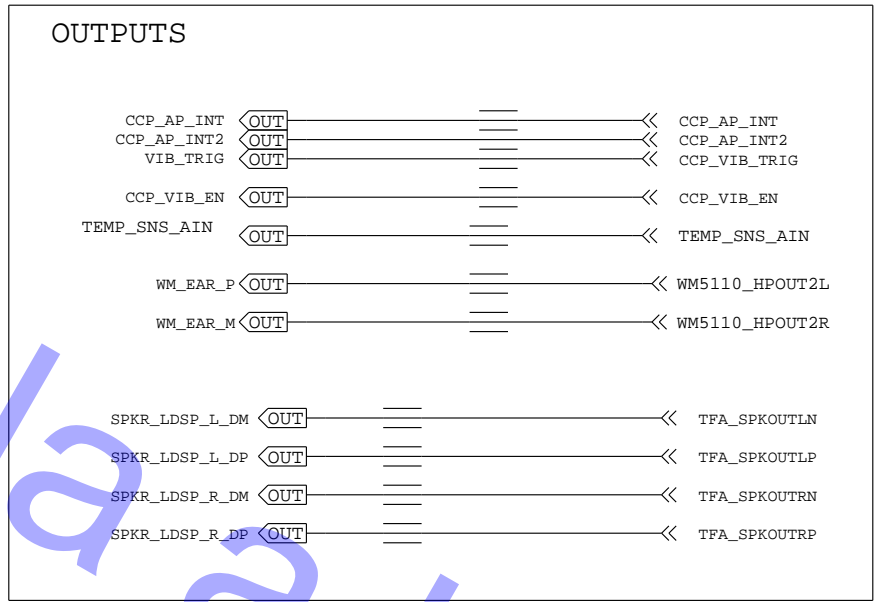
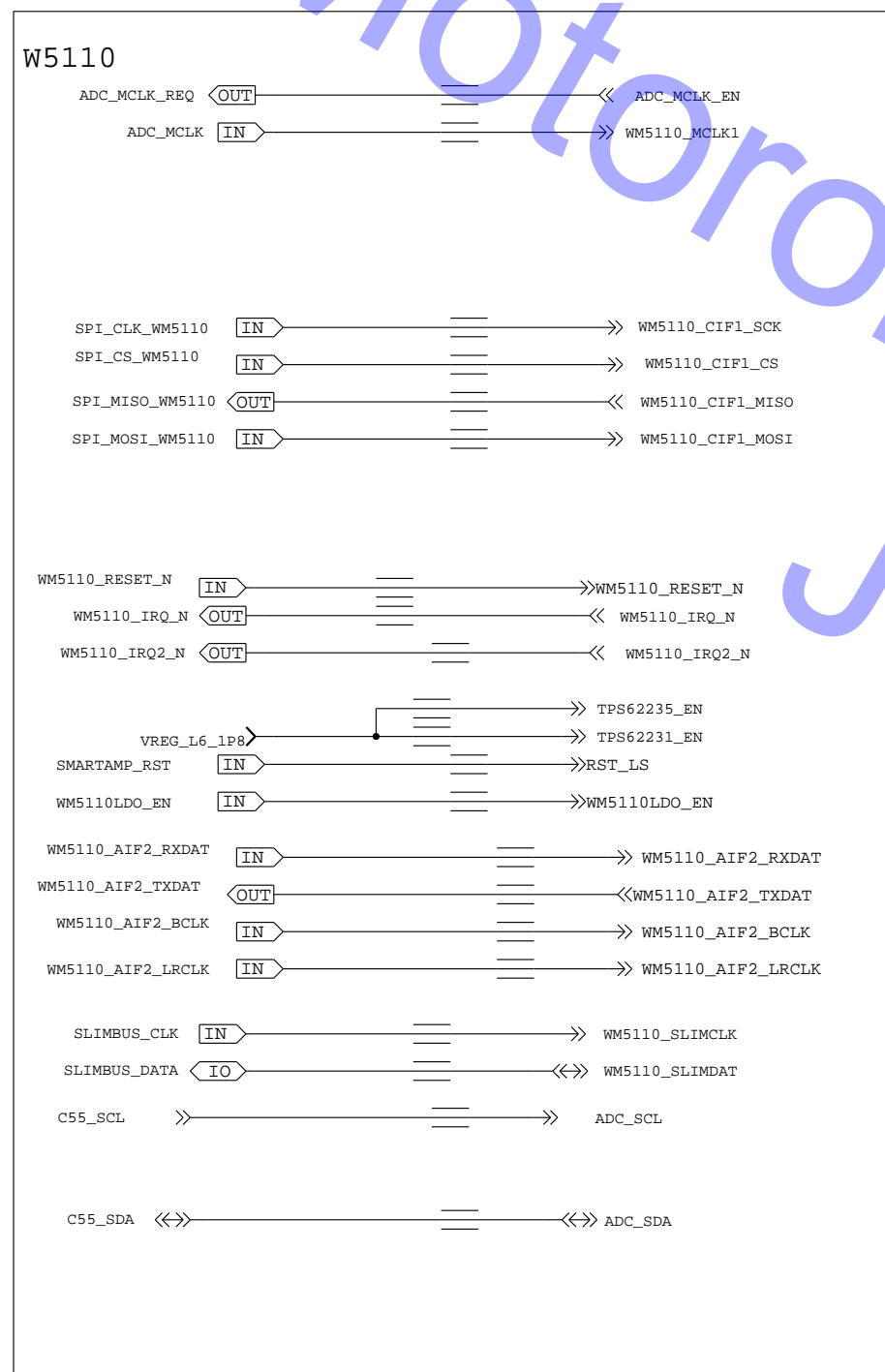
[REDACTED] : POWER
[REDACTED] 000-6999



| | | | |
|---|--|---|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: NATE CONNELL | | BLOCK [REDACTED] | |
| LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:16 2015 | | | |
| 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 45 OF 51 | |

Motorola a lenovo company
 June 1st 2015

PORTS
000-6999



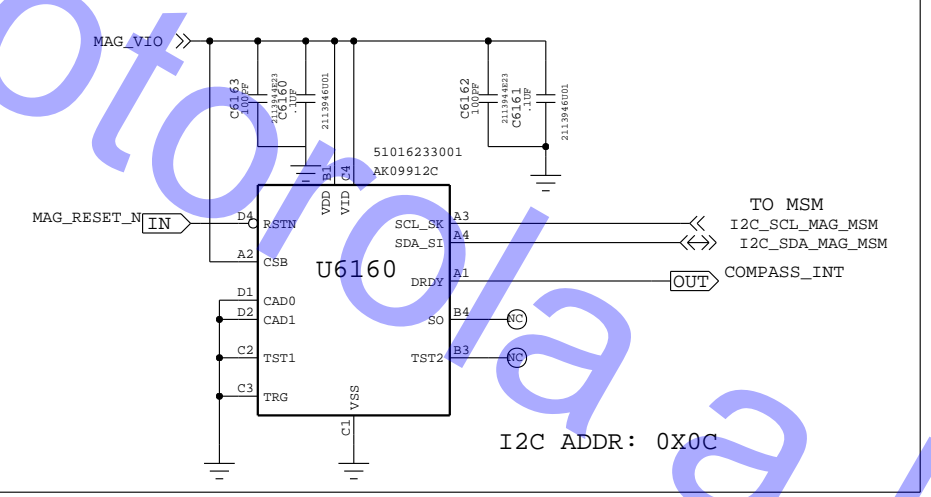
| | | | |
|--|--|-----------------------------------|--|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: NATE CONNELL | | BLOCK | |
| LAST MODIFIED BY: NATE CONNELL Mon Apr 27 11:29:17 2015 | | | |
| MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE 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> | | | |
| | | CAD FILE NAME: | |
| | | PAGE 46 OF 51 | |

SENSORS

100-6199

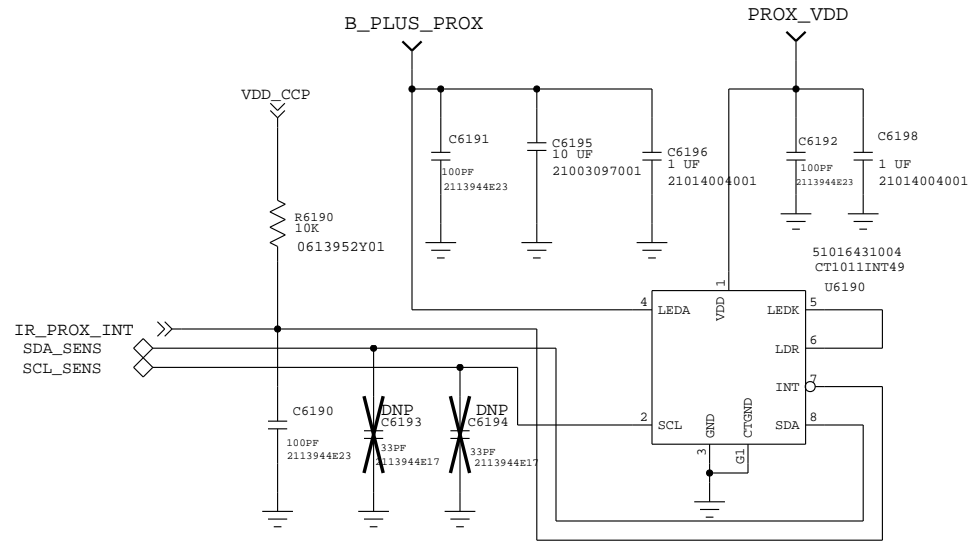
MAGNETOMETER

REF: 6160-6169



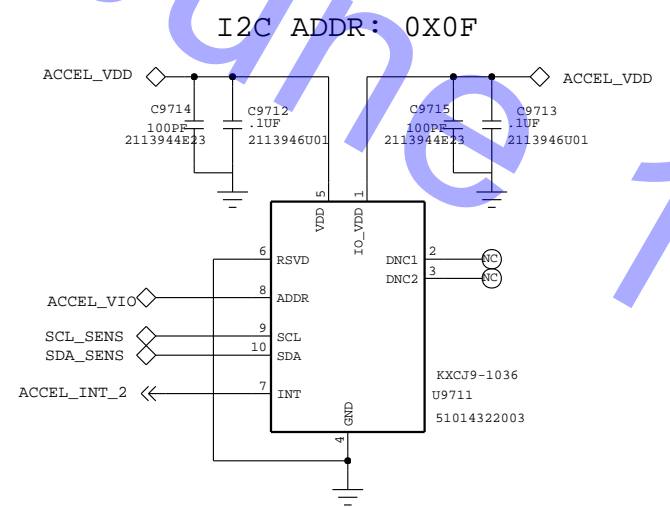
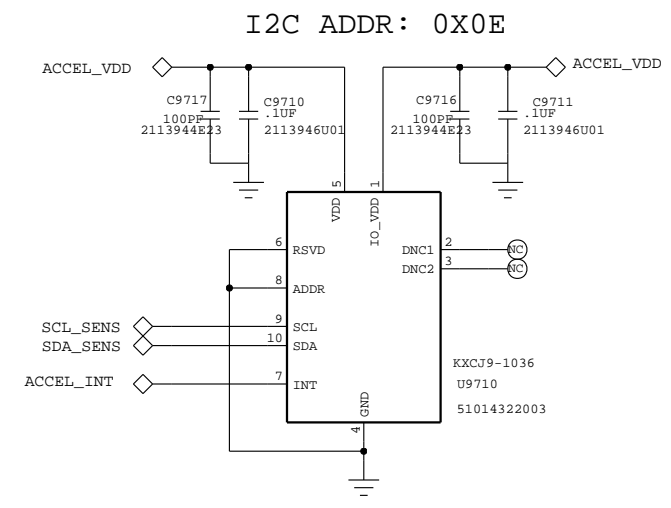
PROX SENSOR/ALS INTERFACE

REF: 6190-6199
I2C ADDR: 0X39



ACCELEROMETER

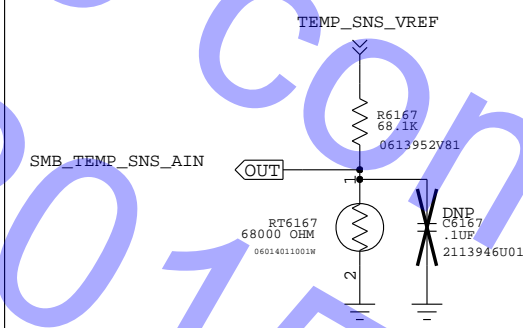
REF: 9710-9719



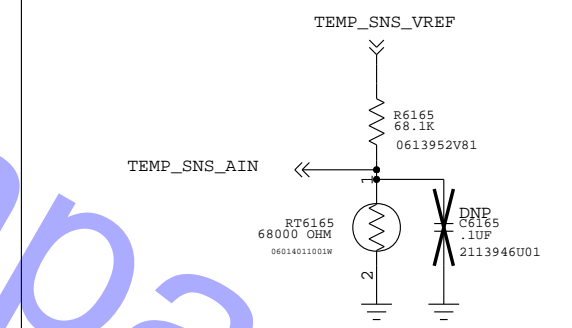
ACCELEROMETER+GYRO

REF: 6150-6159

CHRG TEMP SENSOR

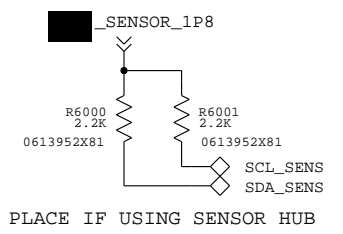
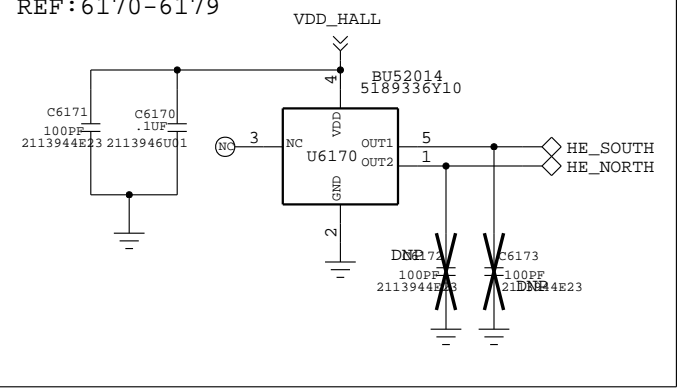


BOARD TEMP SENSOR



HALL EFFECT

REF: 6170-6179



JOHN GORSICA/NATE CONNELL APPROVALS



ENGINEER: C HERNANDEZ

BLOCK

LAST MODIFIED BY: C HERNANDEZ
Mon Apr 27 11:29:18 2015

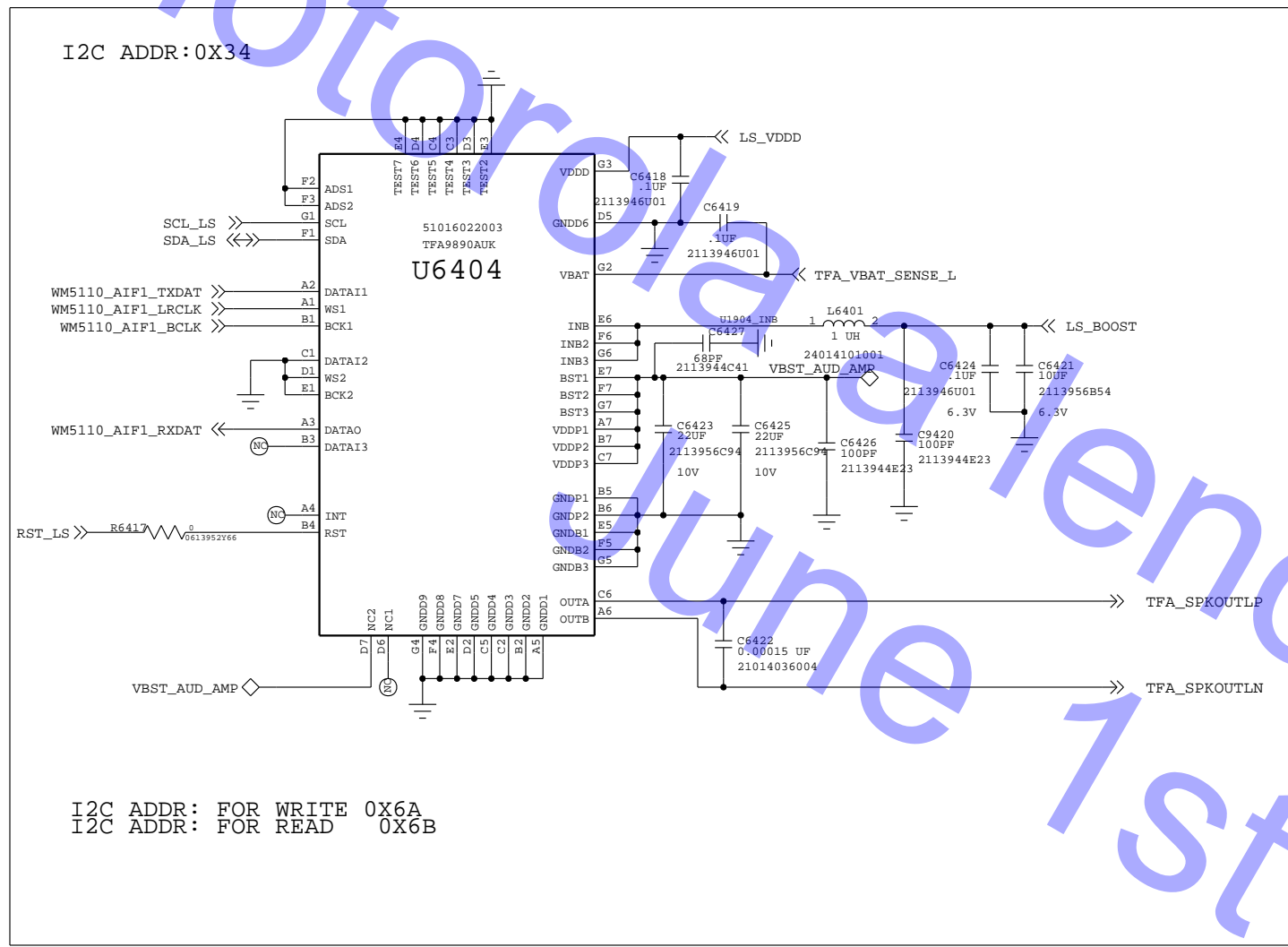
MOTOROLA CONFIDENTIAL RESTRICTED

PROJECT NAME: 840164390ABAGOOCHIE
REV: 01

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

CAD FILE NAME:

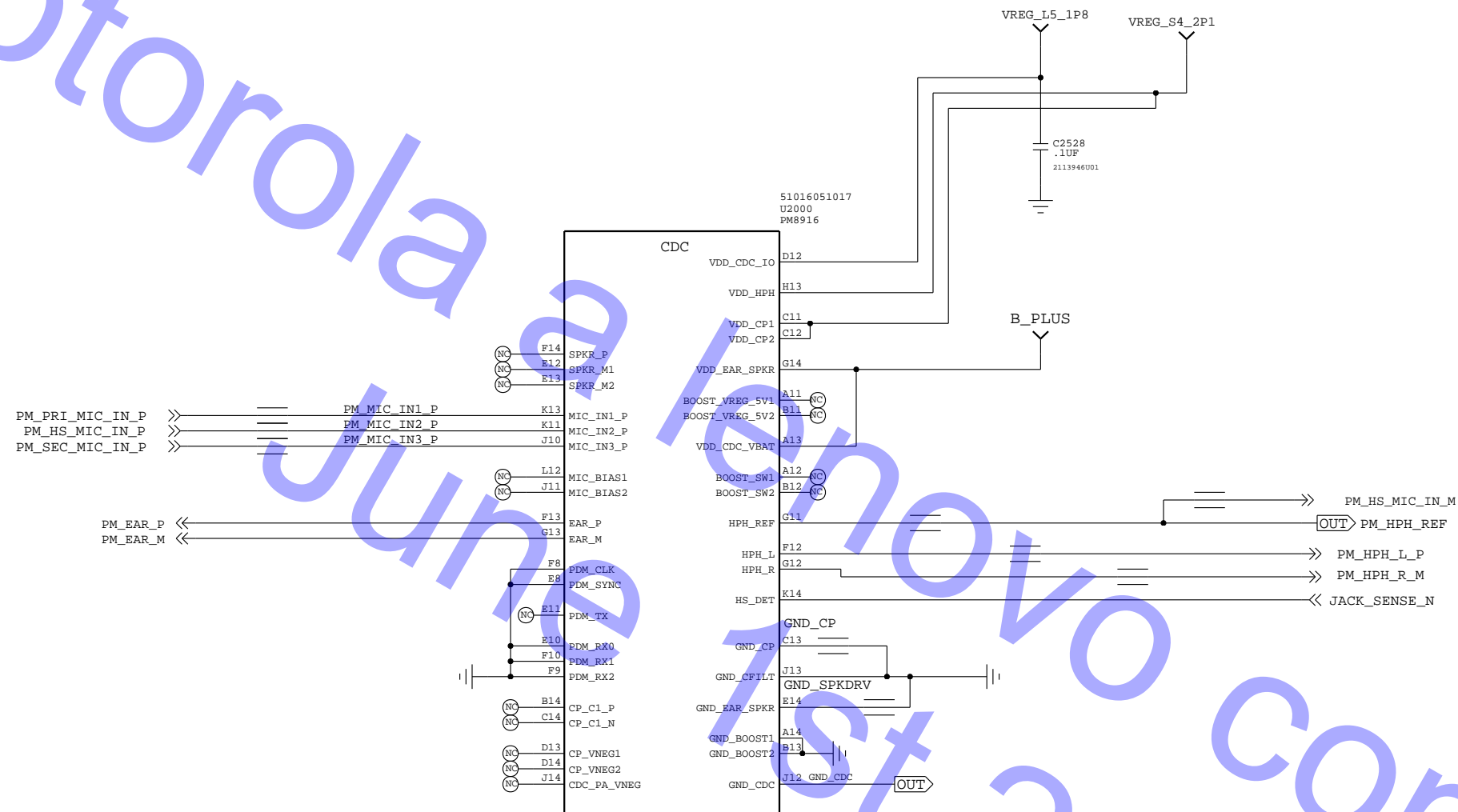
XXXXXXXXXX : LOUD SPEAKER
 400-6499



| | | | |
|---|--|-------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: W00281 | | BLOCK | |
| LAST MODIFIED BY: W00281 Mon Apr 27 11:29:19 2015 | | | |
| 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 49 OF 51 | |

PM8916: CODEC

REF 2500-2579



| | | | |
|---|--|-------------------------------------|-----------|
| APPROVALS | | MOTOROLA MOBILE DEVICES | |
| ENGINEER: W00281 | | BLOCK | |
| LAST MODIFIED BY: W00281 Mon Apr 27 11:45:17 2015 | | | |
| 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 50 OF 51 | |