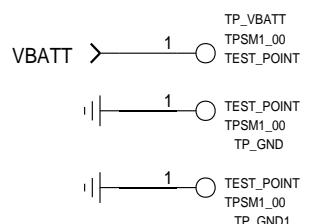
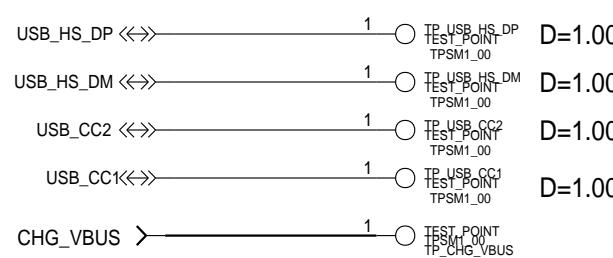


## FACTORY TEST POINT FOR BATTERY

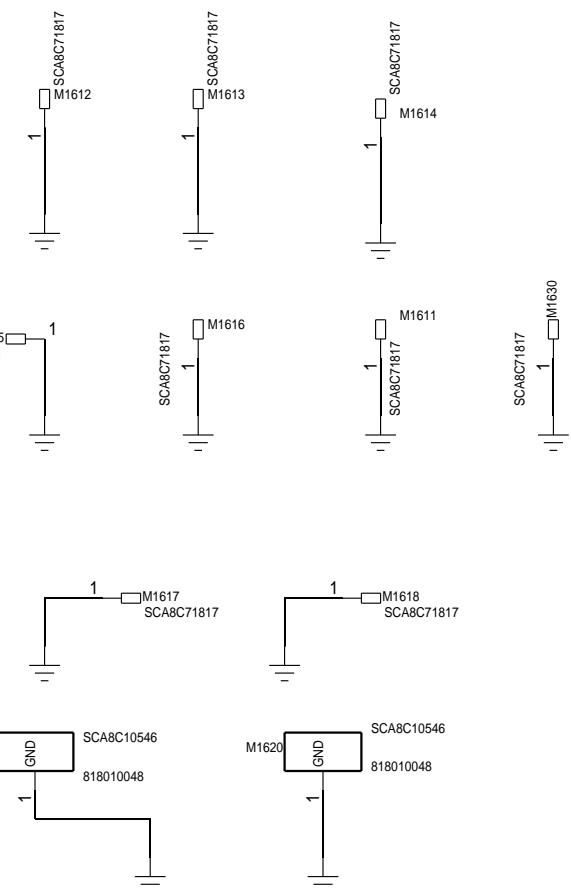


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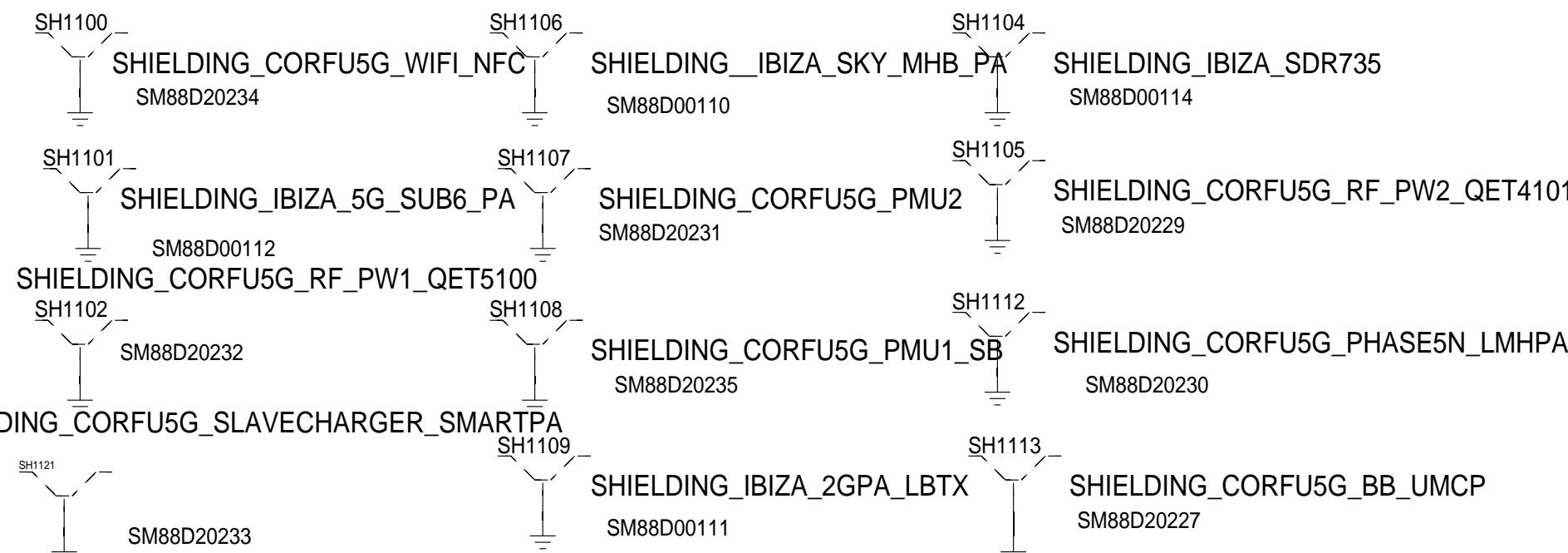


## GROUND CONTACTS

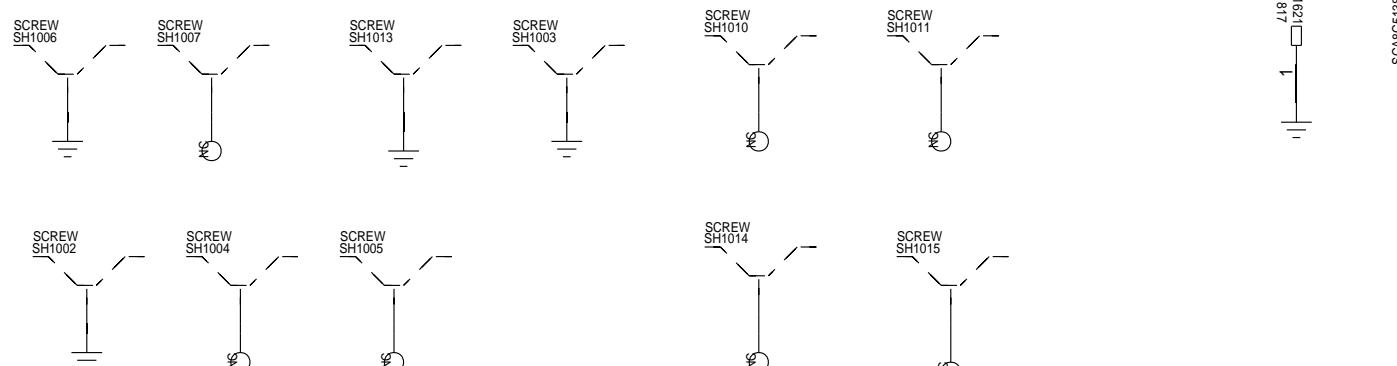
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## PCB SHIELD



## SCREW

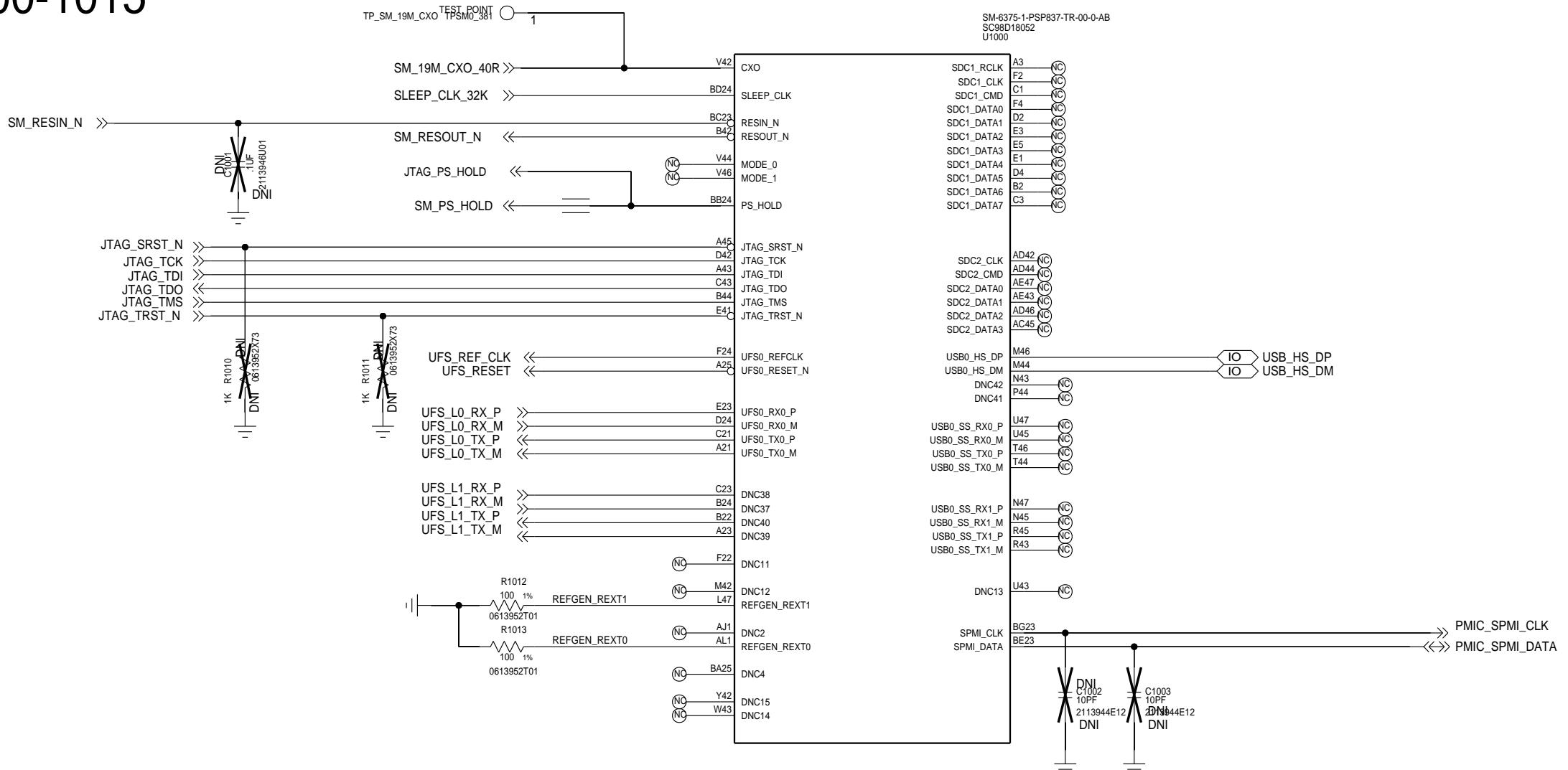


MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKEDANDBLOCKED

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CAD FILE NAME:		PAGE 2 OF 83	

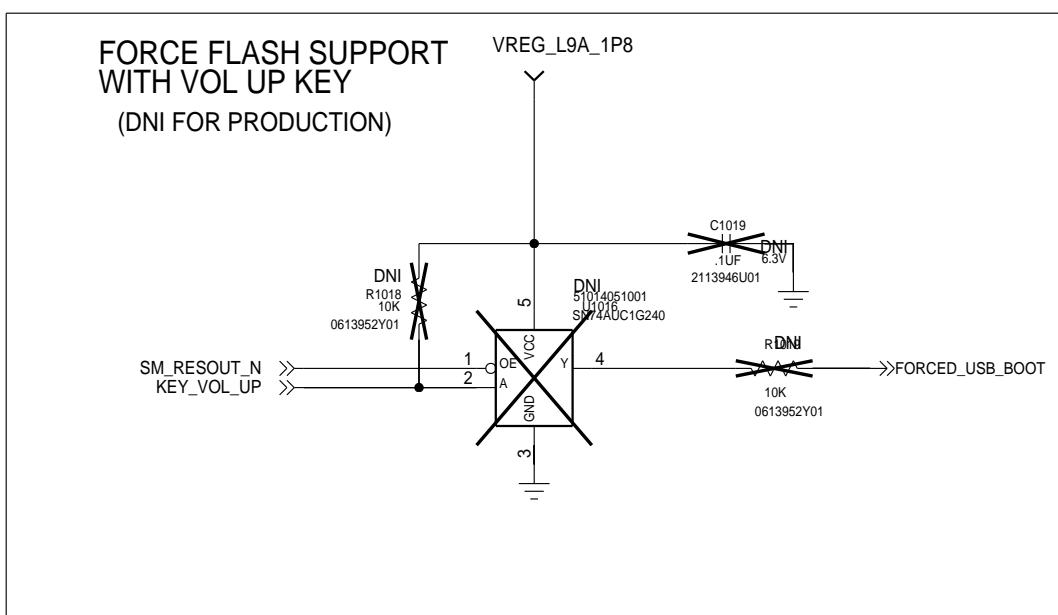
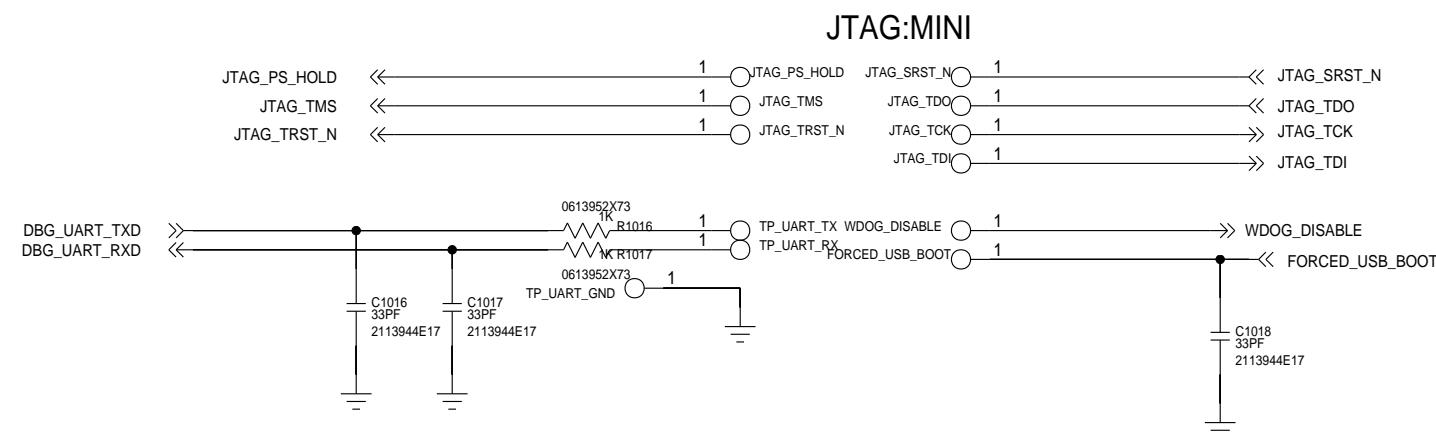
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## REF 1000-1015



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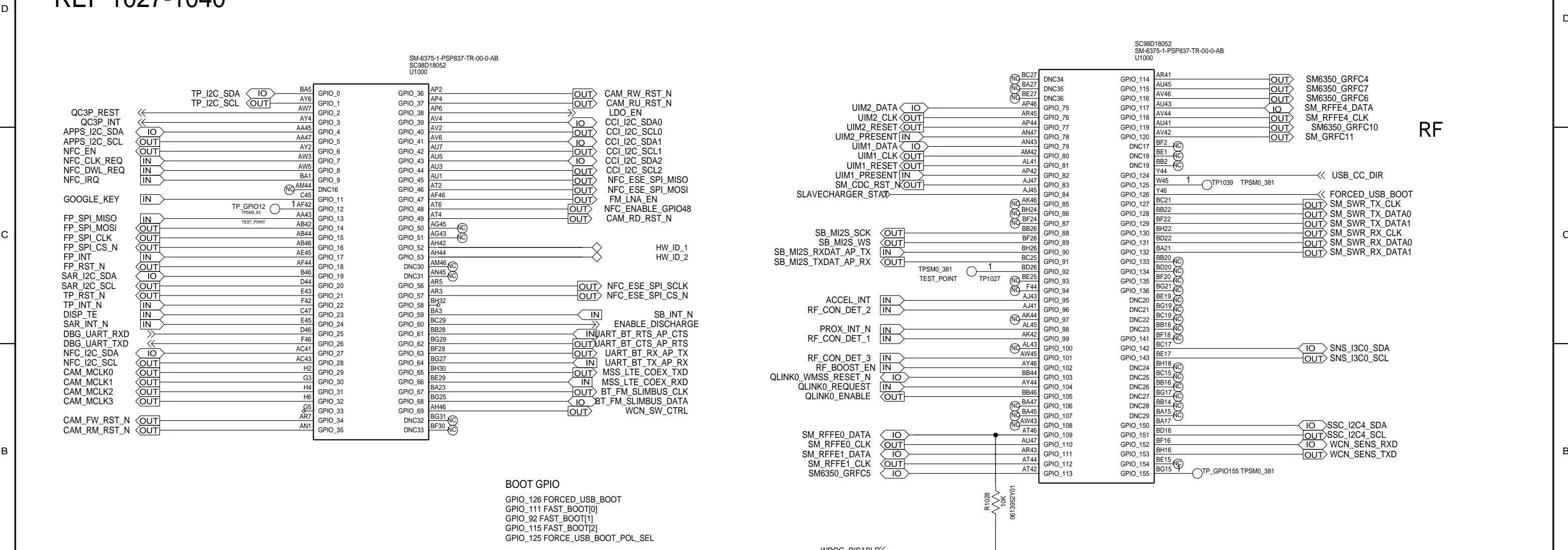
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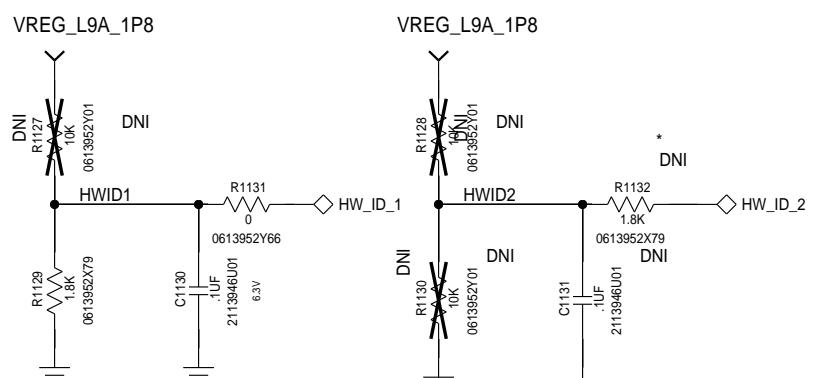
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REF 1027-1040



## MOT BOARD ID

FOR RUNTIME REVISION INFORMATION, REFER TO:

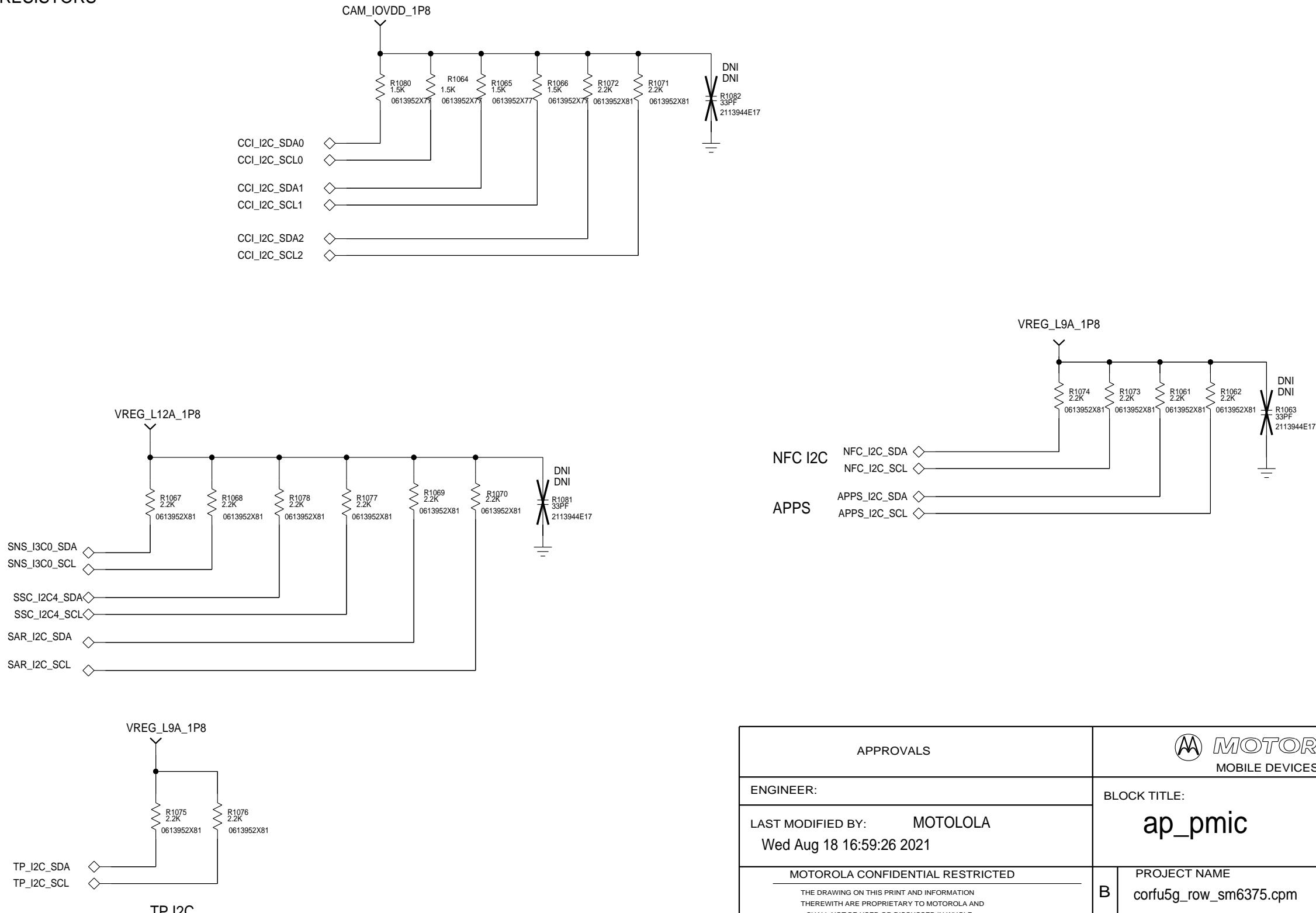


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CAD FILE NAME:		PAGE 5 OF 83	1

# SM6375: I2C RESISTORS

REF: 1061-1090

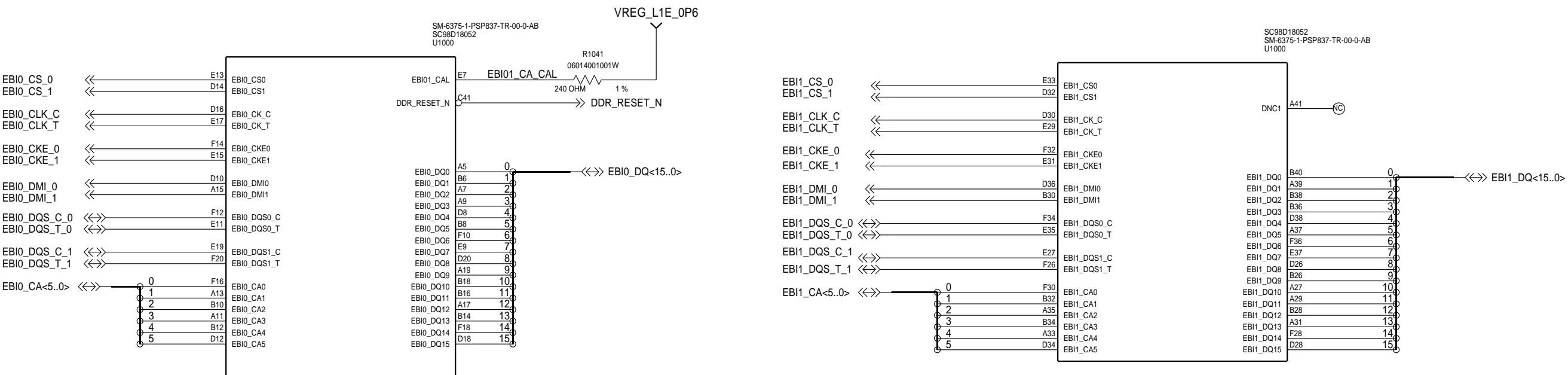
## I2C PULL-UP RESISTORS



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CAD FILE NAME:		PAGE 6 OF 83

# SM6375: EBI0\_1

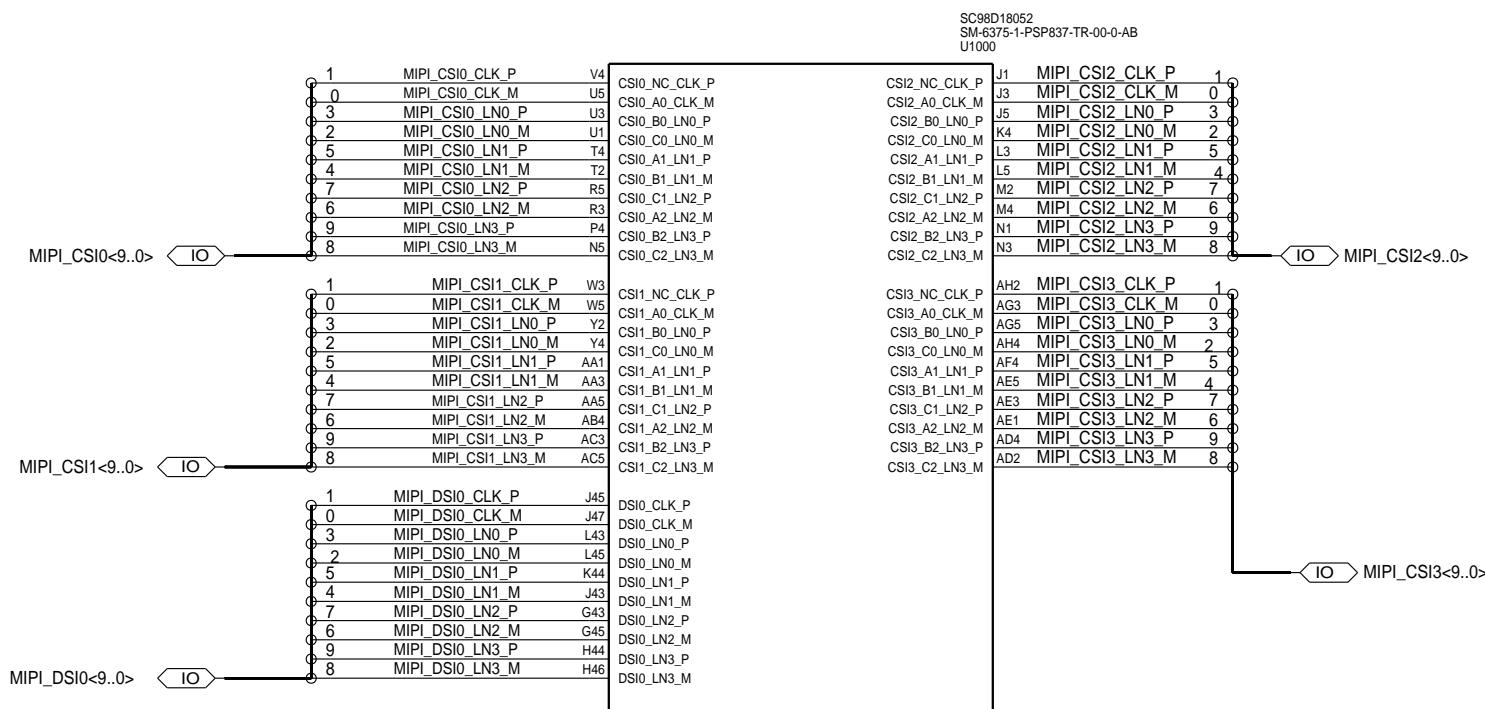
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		PAGE 7 OF 83

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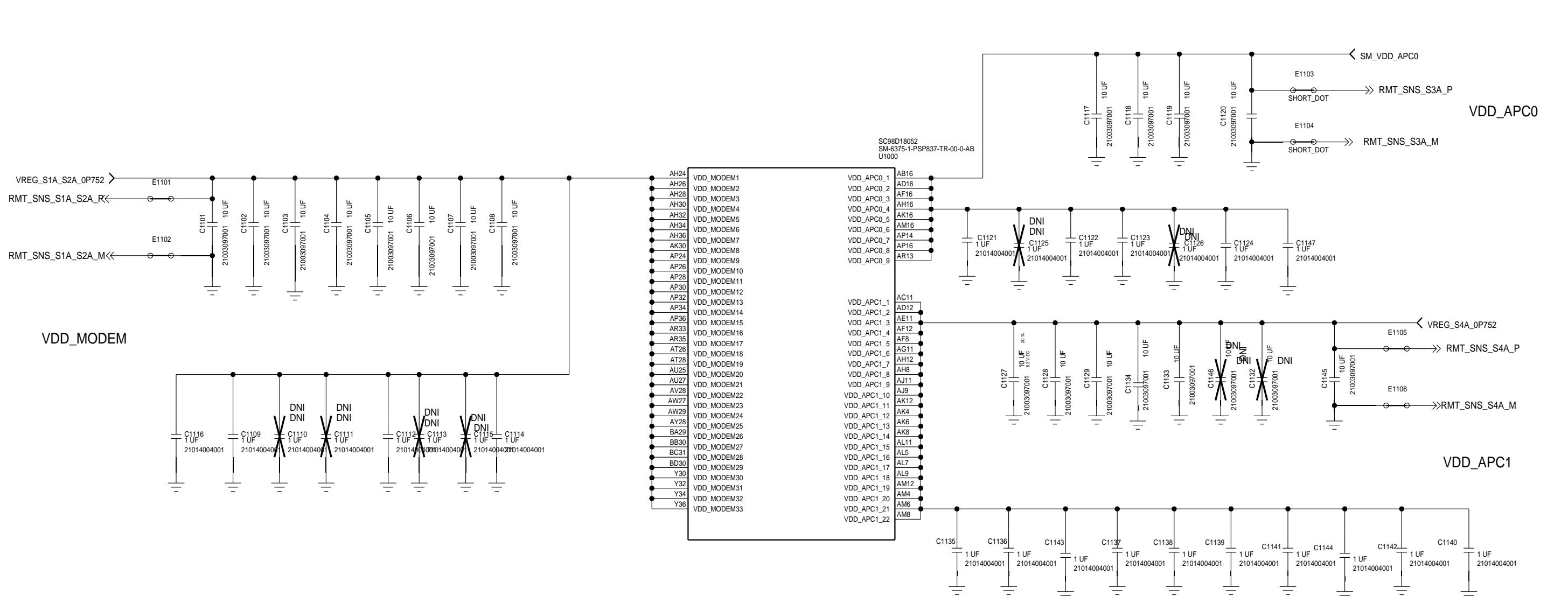
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# SM6375: POWER1

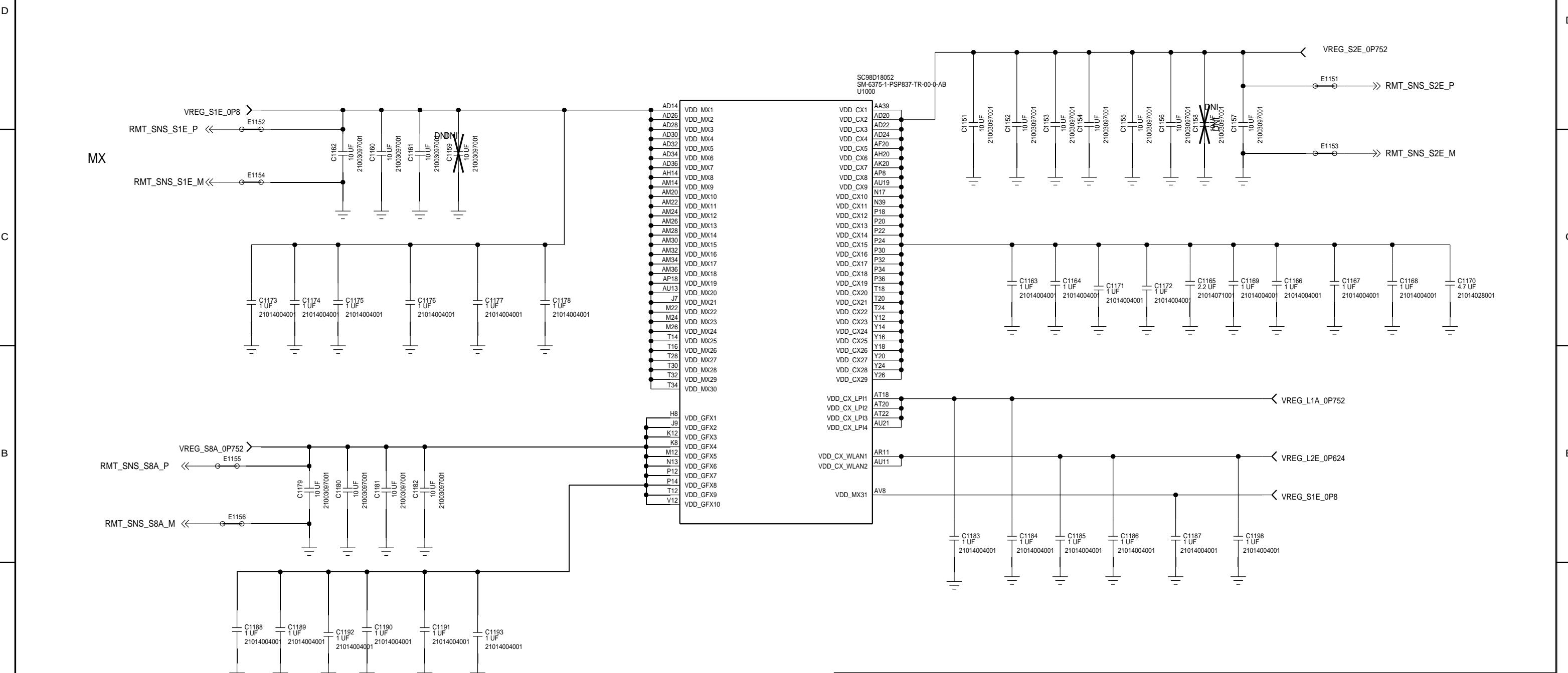
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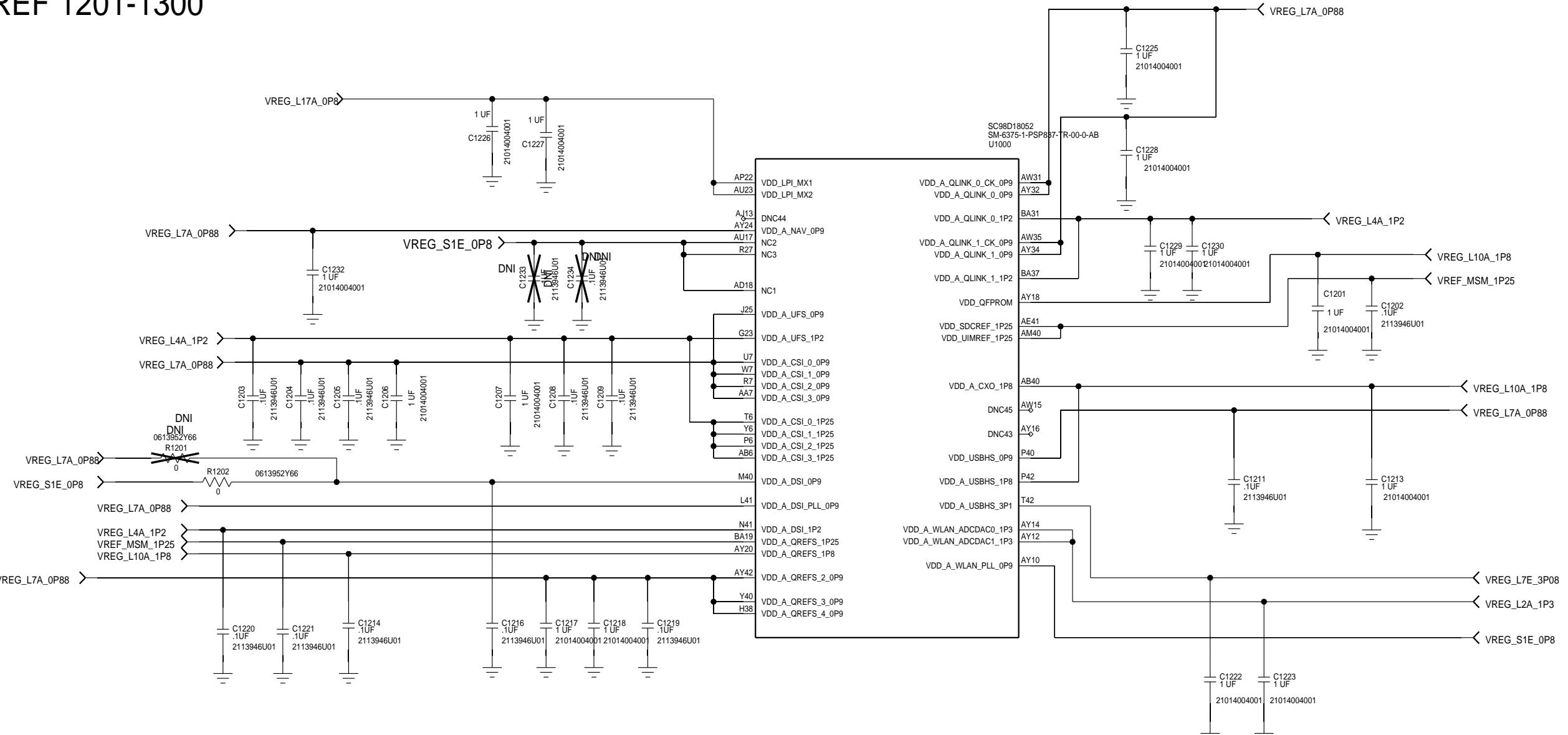
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CAD FILE NAME:		PAGE 10 OF 83	

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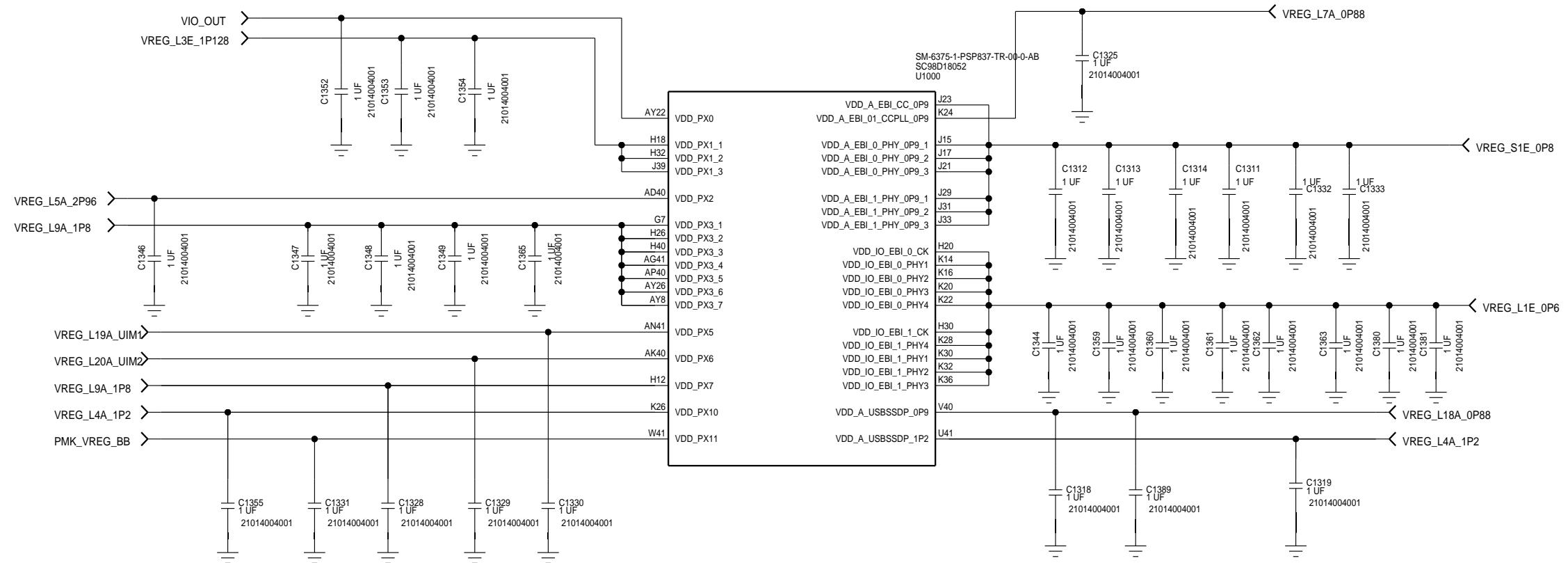
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# SM6375: POWER4

REF 1301-1390



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CAD FILE NAME:		PAGE 12 OF 83	

# SM6375: GND

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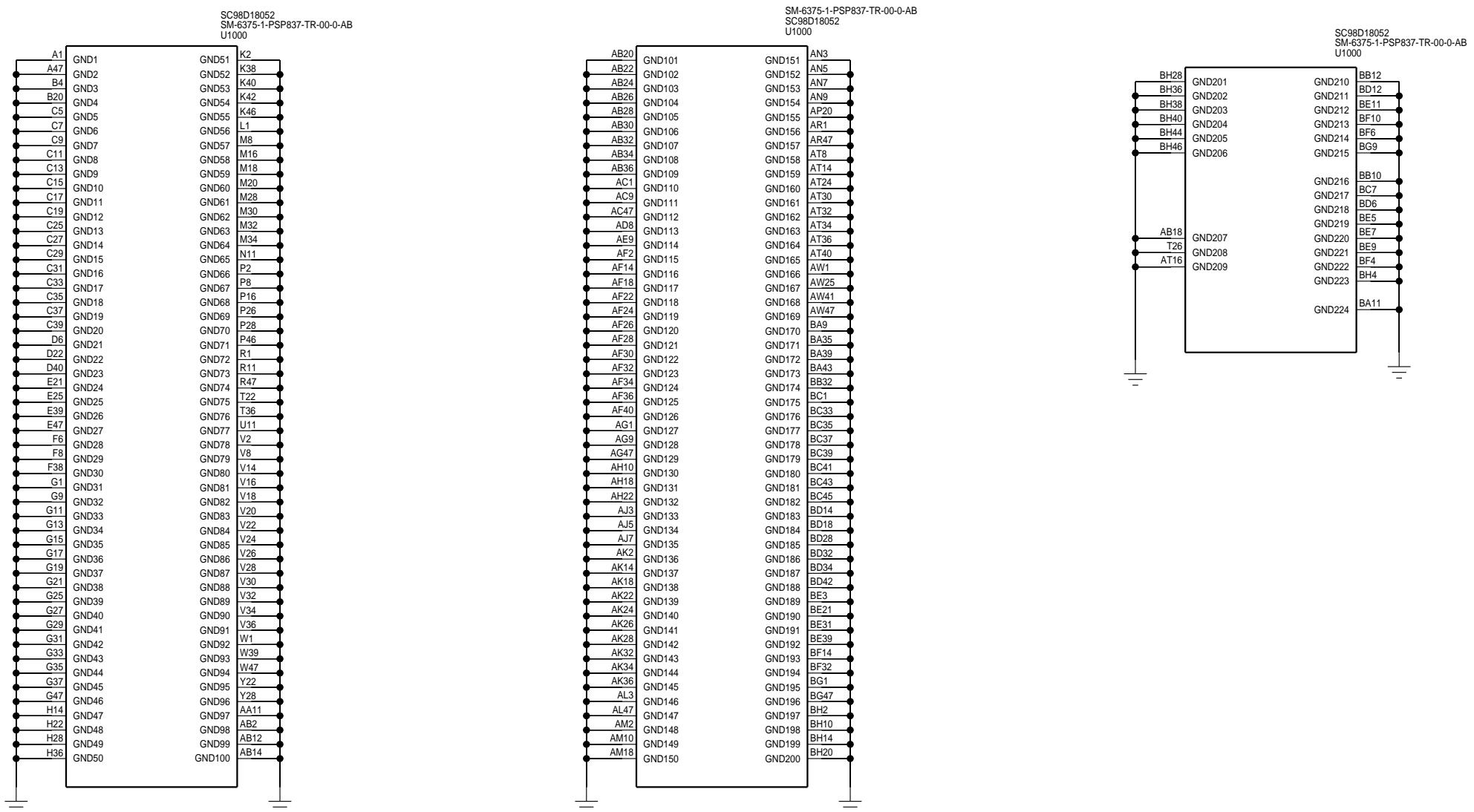
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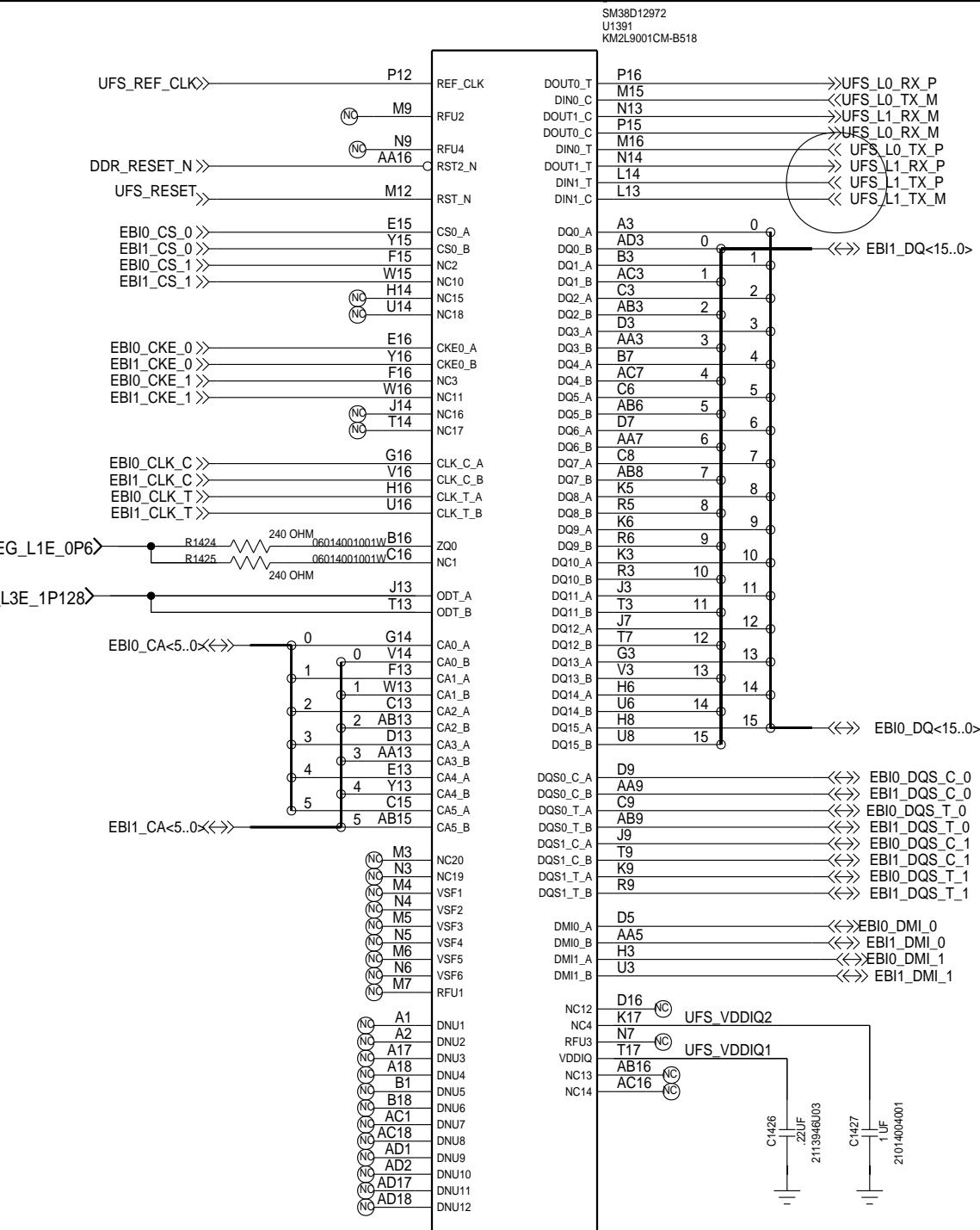
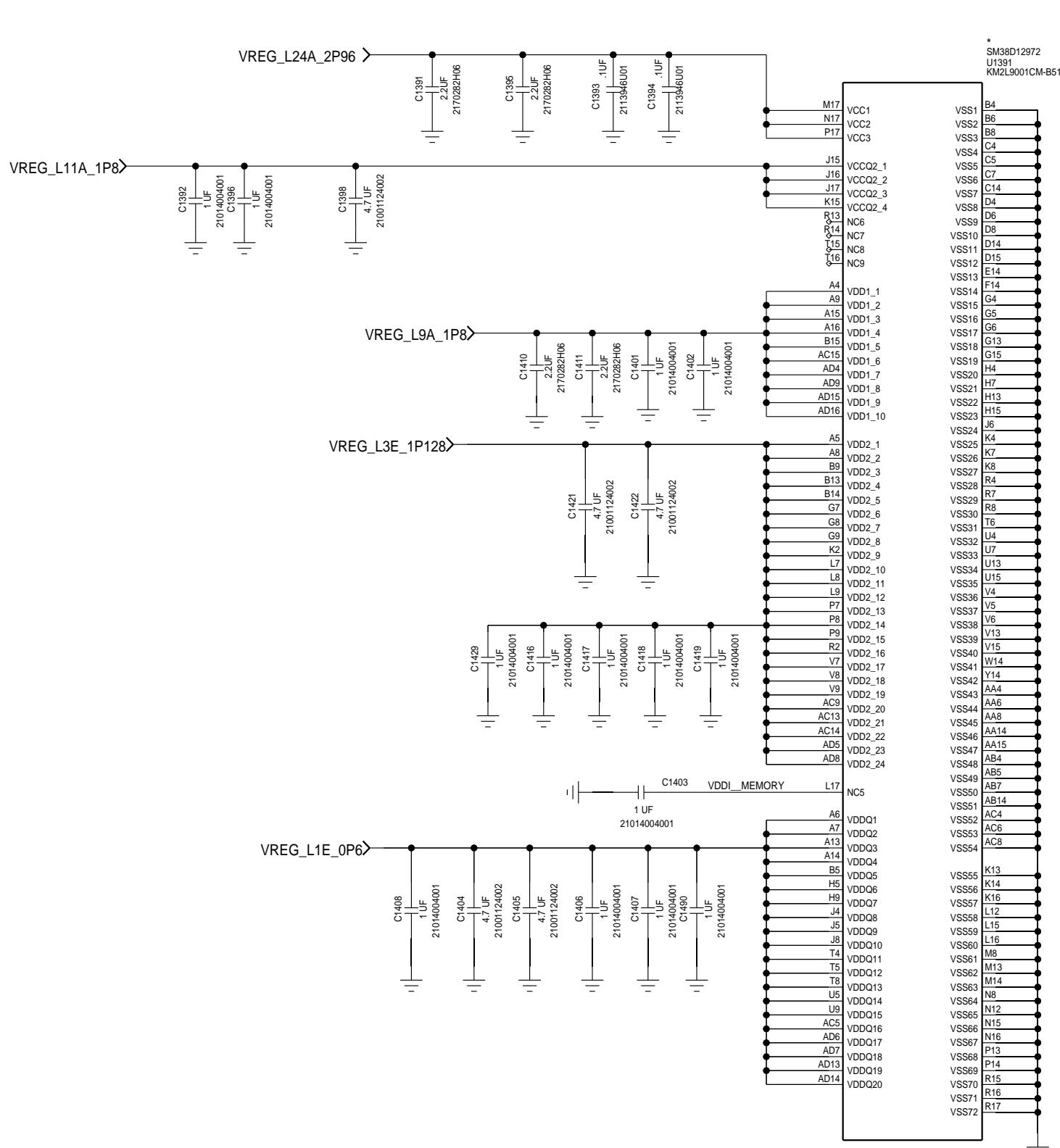
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# MEMORY: UMCP

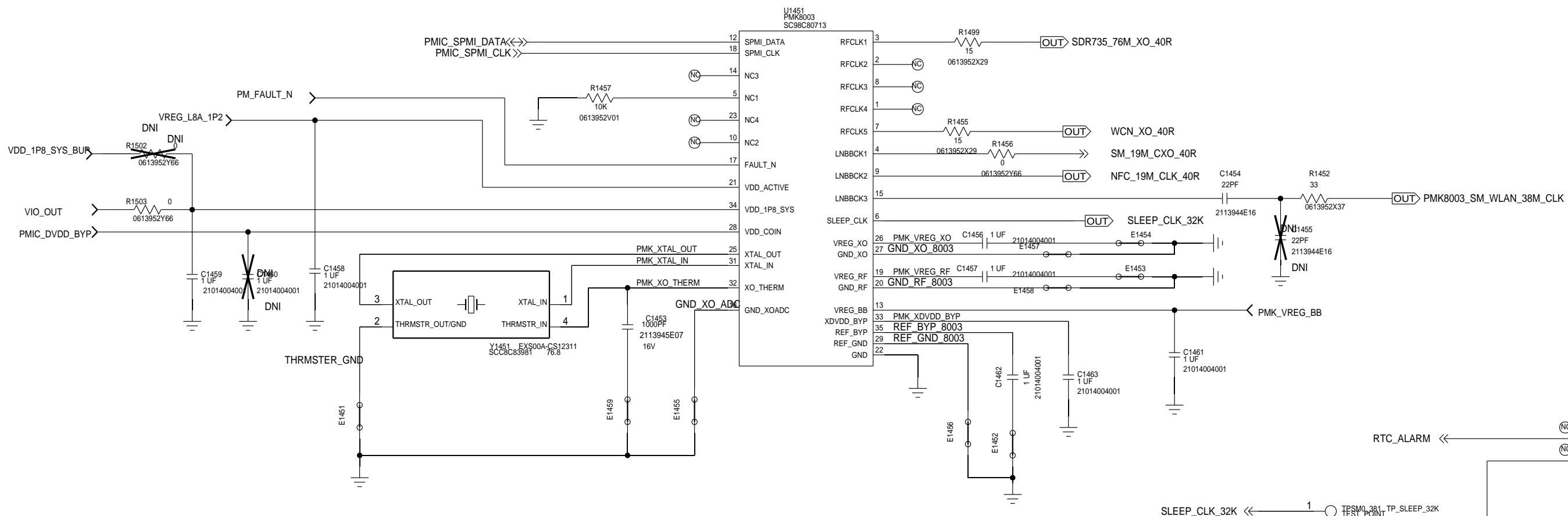
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CAD FILE NAME:		PAGE 14 OF 83	

# PMK8003

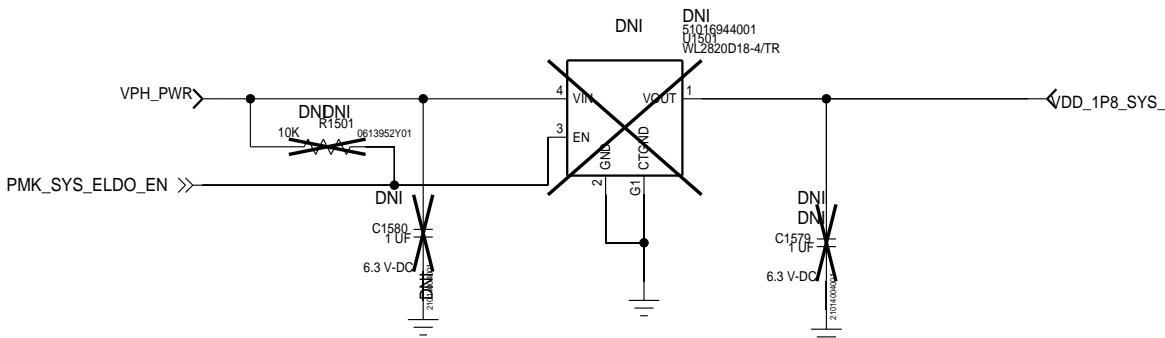
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PMK8003 VDD\_1P8\_SYS (PIN 34) CONNECTION.

ON SM6375 PLATFORM CONNECT TO PM6375 VIO\_OUT.

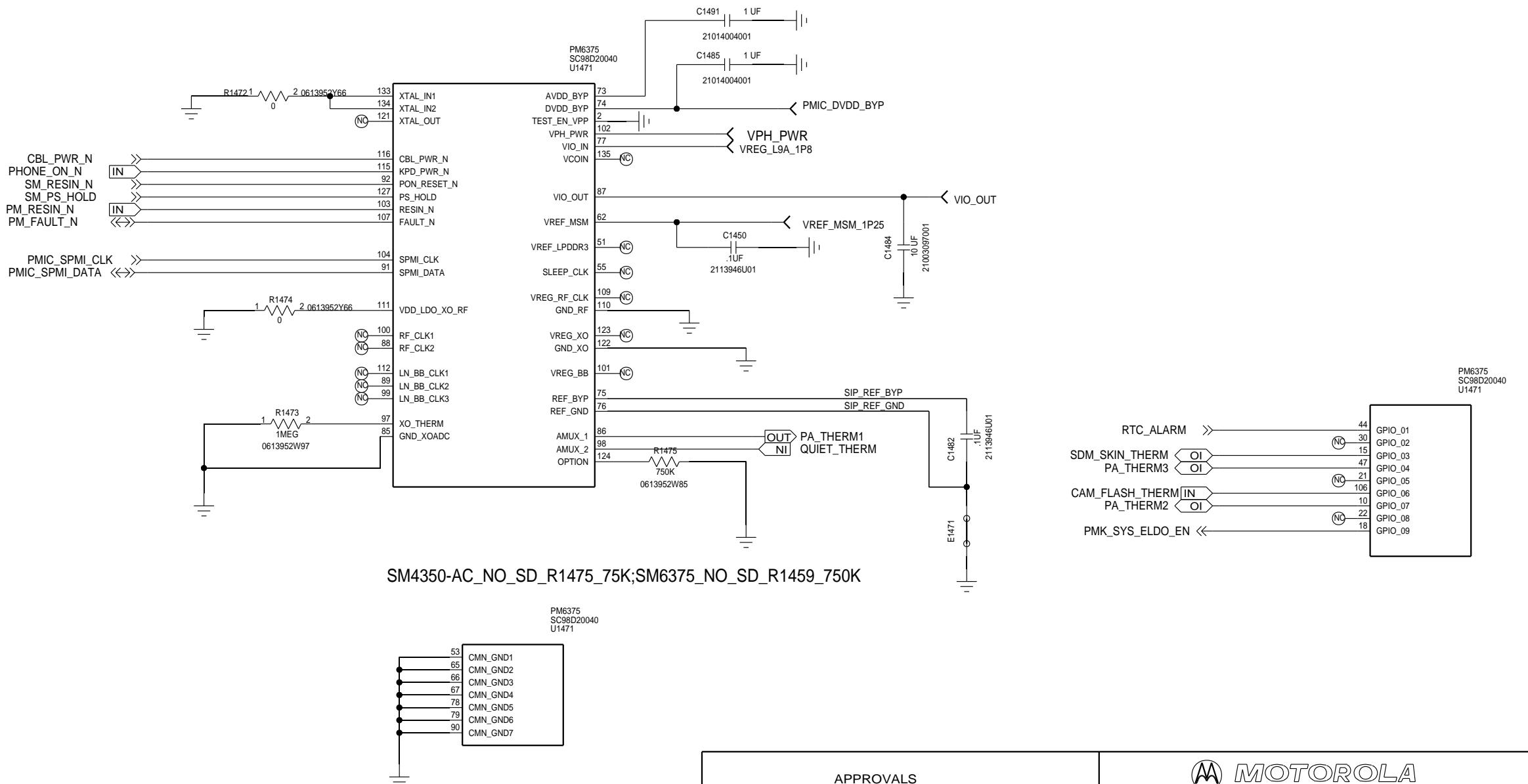
ON SM4350 AC PLATFORM CONNECT TO 1.8 V SUPPLY FROM EXTERNAL LDO



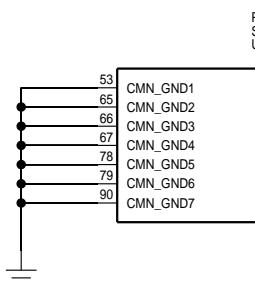
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CAD FILE NAME:		PAGE 15 OF 83	

# PM6375: CTRL

REF: 1471-1510



SM4350-AC\_NO\_SD\_R1475\_75K;SM6375\_NO\_SD\_R1459\_750K



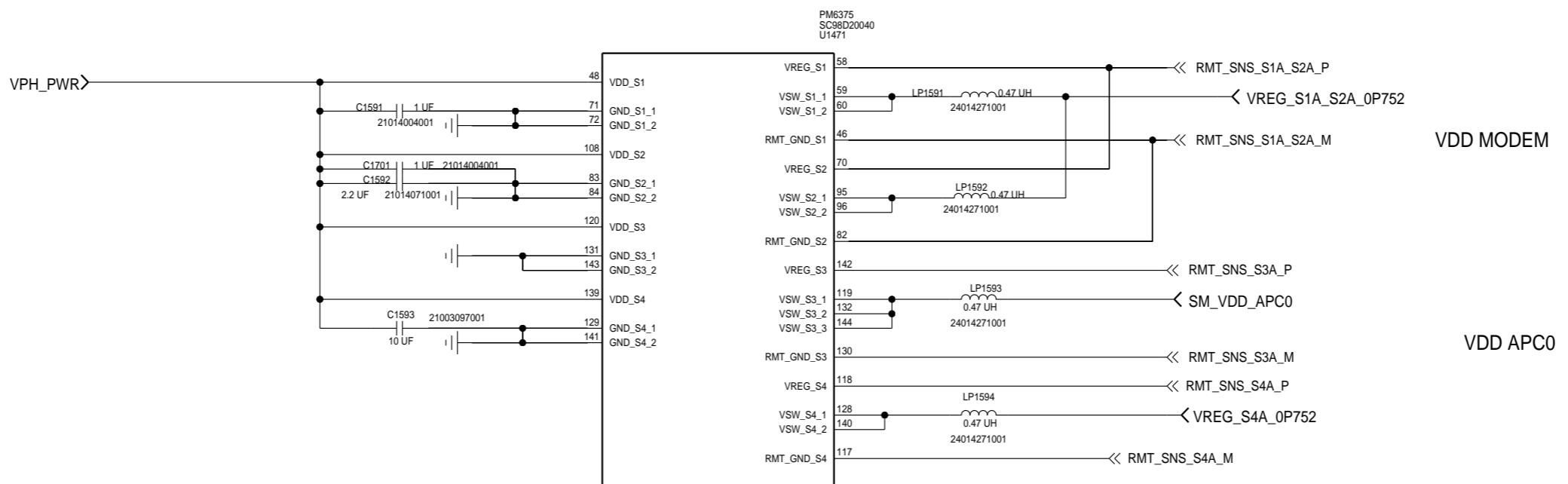
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CAD FILE NAME:		PAGE 16 OF 83	

# PM6375: BUCKS1

REF: 1591-1600

CAD NOTE:

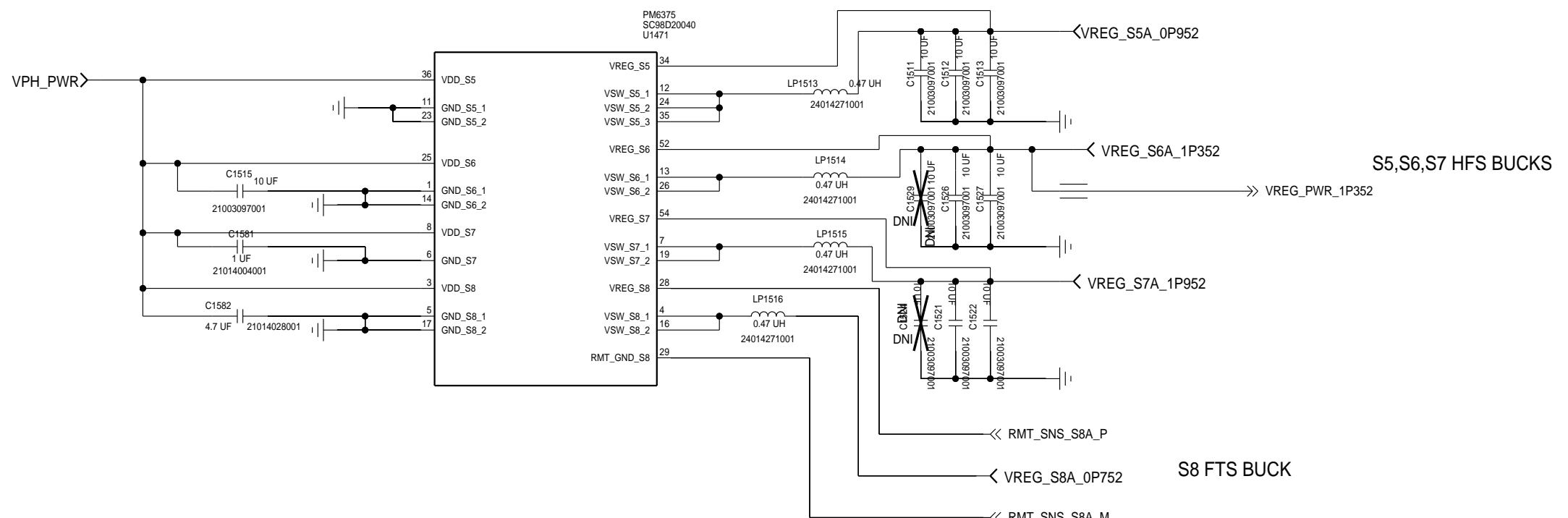
ALL THE BUCKS HERE HAS REMOTE DIFF SENSE  
 VREG\_S1/2/3/4 & RMT\_GND\_S1/2/3/4 SHOULD BE ROUTED AS A DIFFERENTIAL PAIR  
 DO NOT ROUTE VREG\_S1/2/3/4 & RMT\_GND\_S1/2/3/4 NEAR VIN\_S1/2/3/4  
 DO NOT ROUTE VREG\_S1/2/3/4 & RMT\_GND\_S1/2/3/4 NEAR VSW\_S1/2/3/4 UNLESS SEPARATED BY GROUND SHIELD



APPROVALS	MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: MOTOLOLA Wed Aug 18 16:59:45 2021		
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	CAD FILE NAME:	PAGE 17 OF 83

# PM6375: BUCKS2

REF: 1511-1545



APPROVALS	<b>MOTOROLA</b> MOBILE DEVICES	
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CAD FILE NAME:		PAGE 18 OF 83

# PM6375: LDOS

REF: 1546-1570

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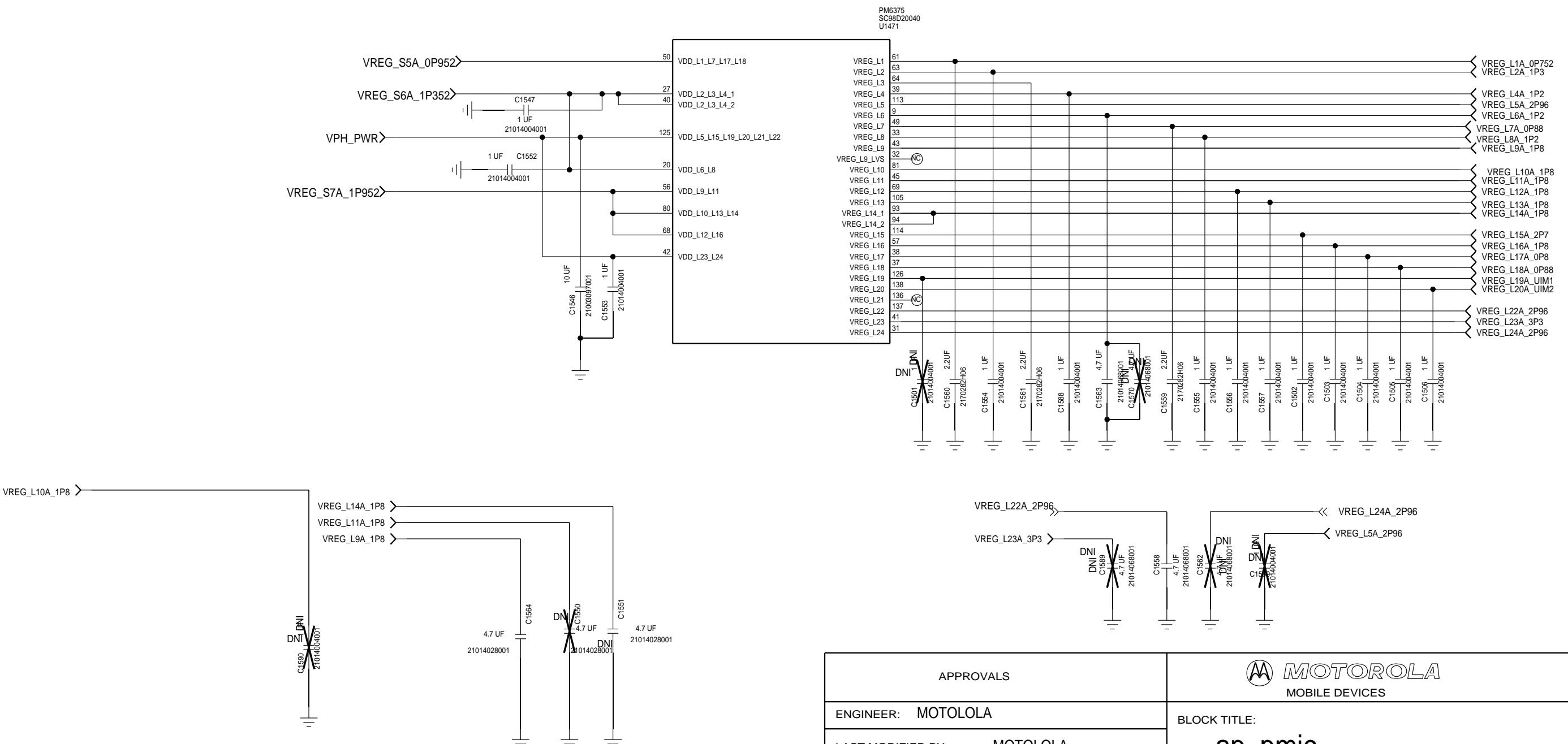
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MOBILE DEVICES

ENGINEER: **MOTOLOLA**

LAST MODIFIED BY: **MOTOLOLA**  
Wed Aug 18 16:59:47 2021

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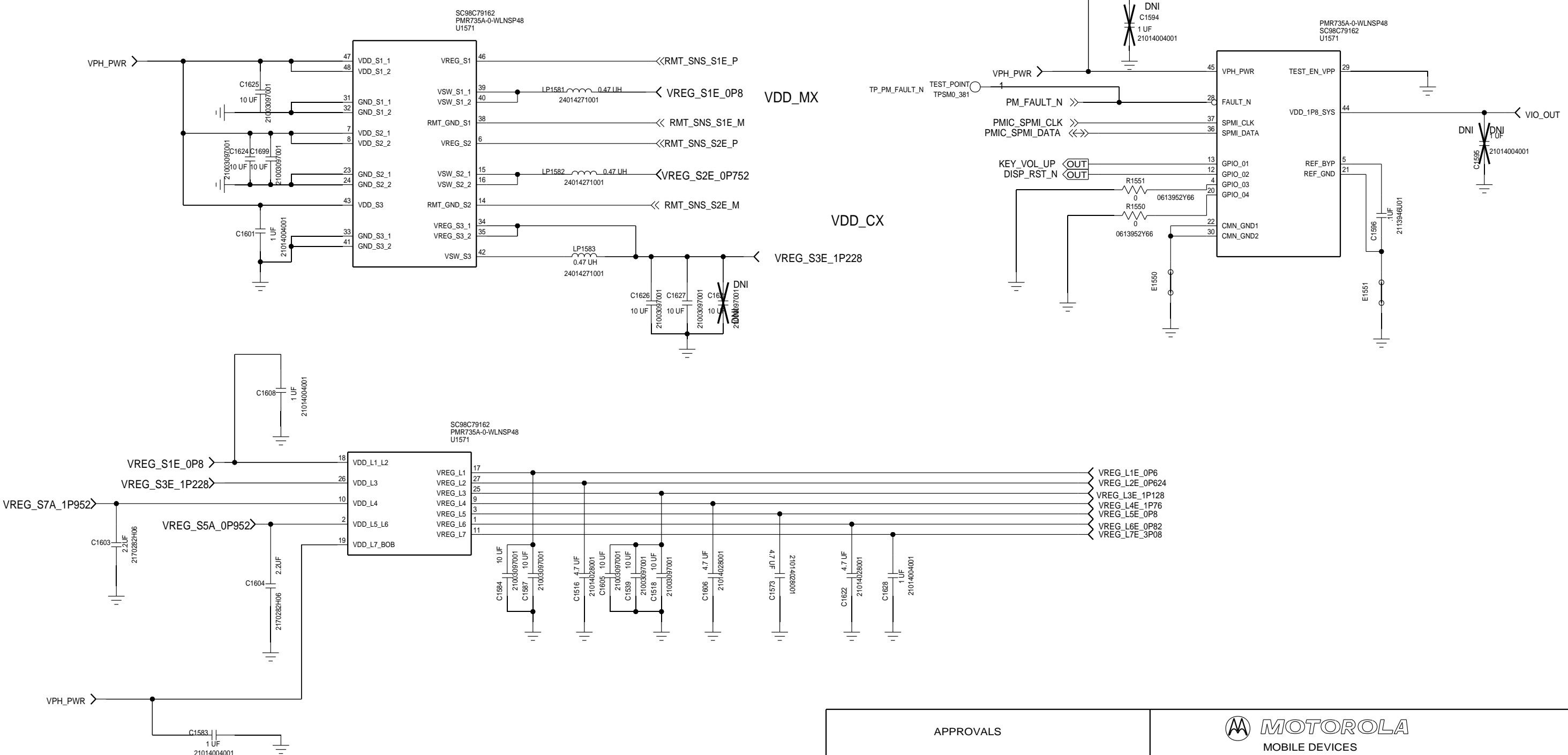
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CAD FILE NAME:

PAGE 19 OF 83

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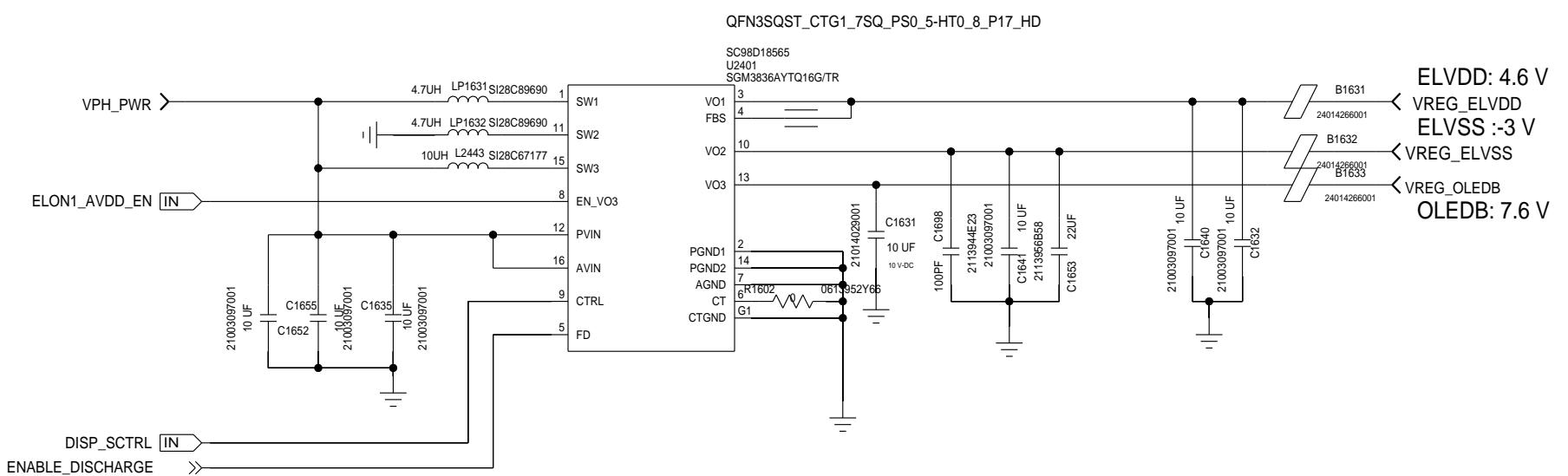
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# OLED DRIVER\_SGM3836A

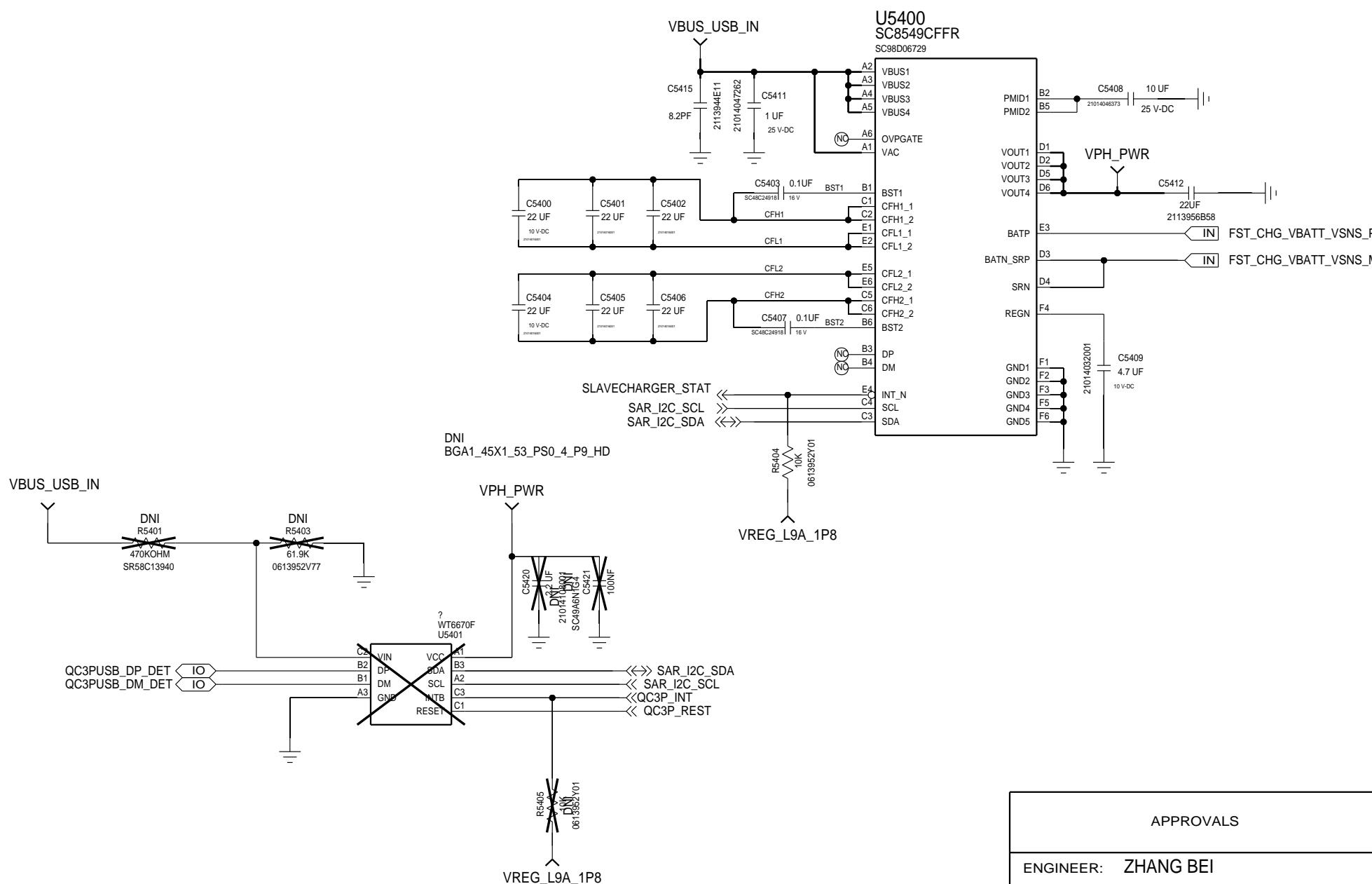
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		CAD FILE NAME:	PAGE 21 OF 83

# SLAVE CHARGER\_SC8549

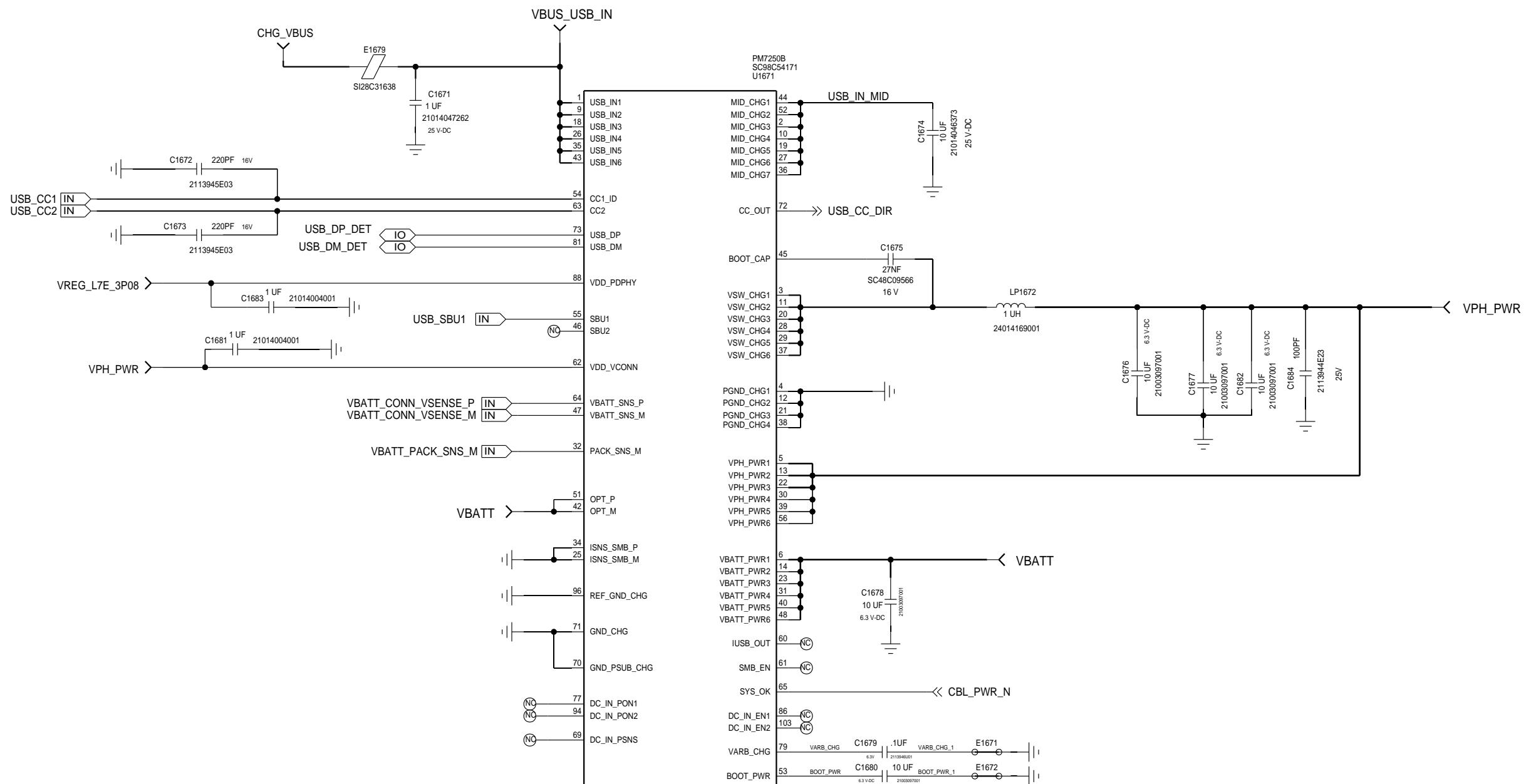
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CAD FILE NAME:		PAGE 22 OF 83	

# PM7250B:CHG

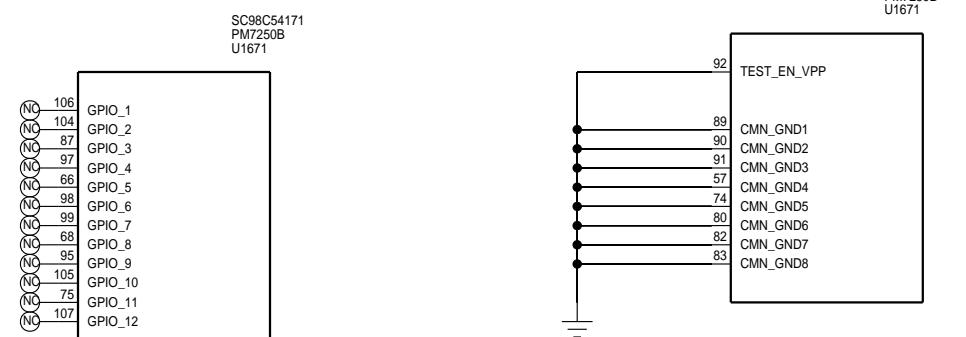
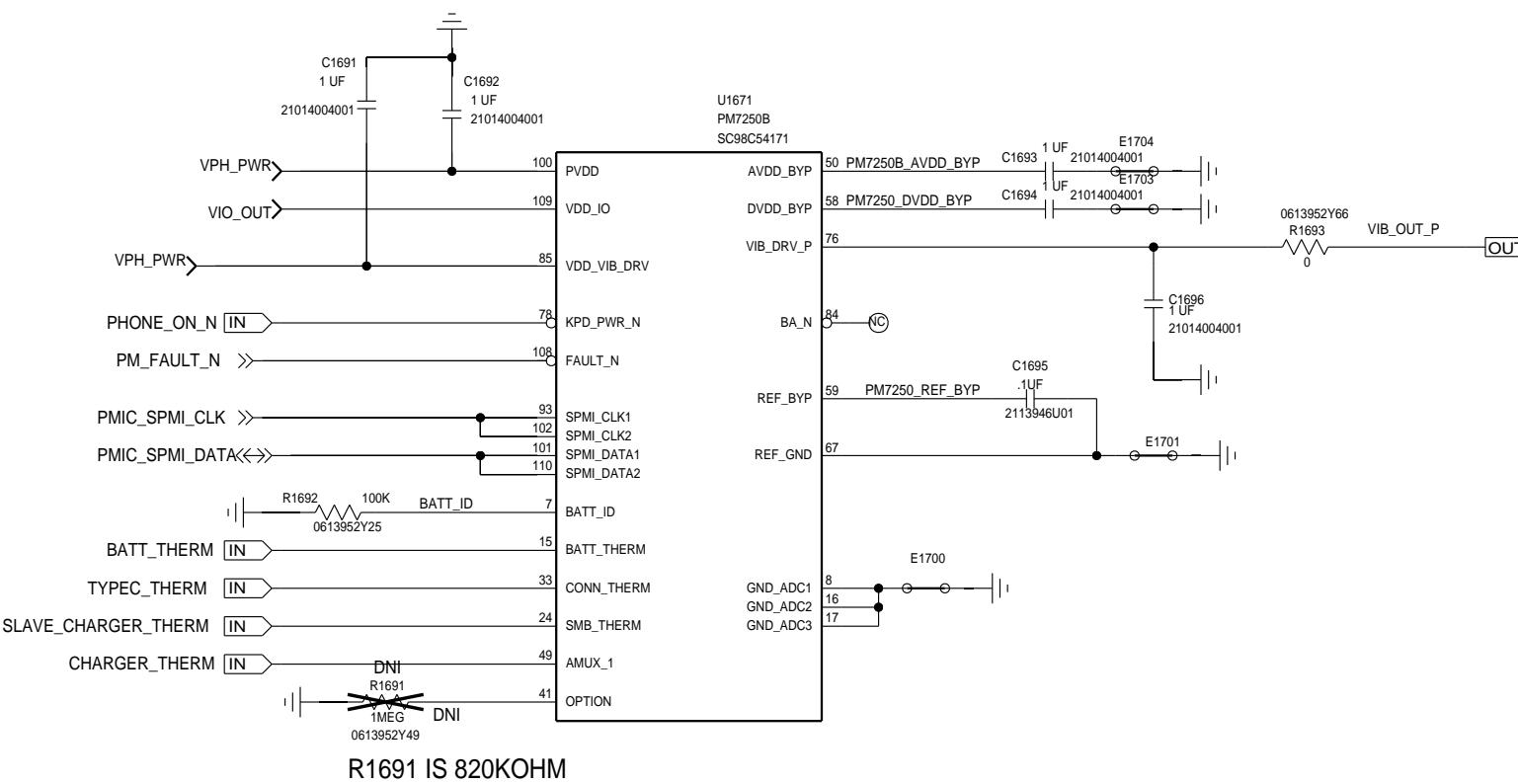
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CAD FILE NAME:		PAGE 23 OF 83	

# PM7250B:HK&GPIO

REF: 1691-1710



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CAD FILE NAME:		PAGE 24 OF 83	

# CAM\_GOLED\_PLED\_POWER

REF: 1656-1670

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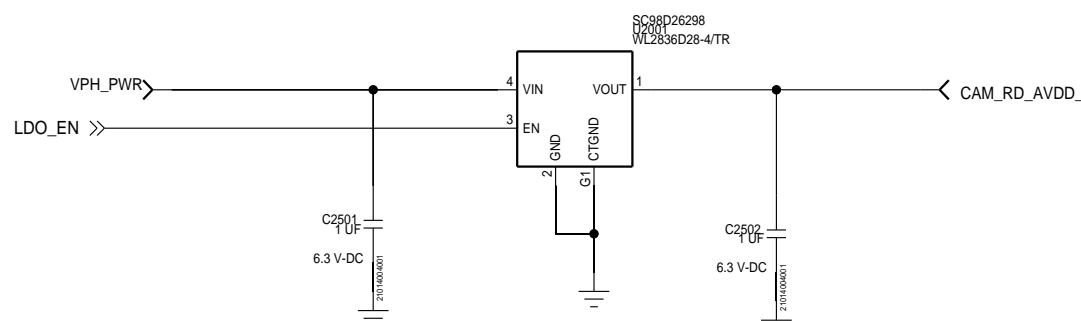
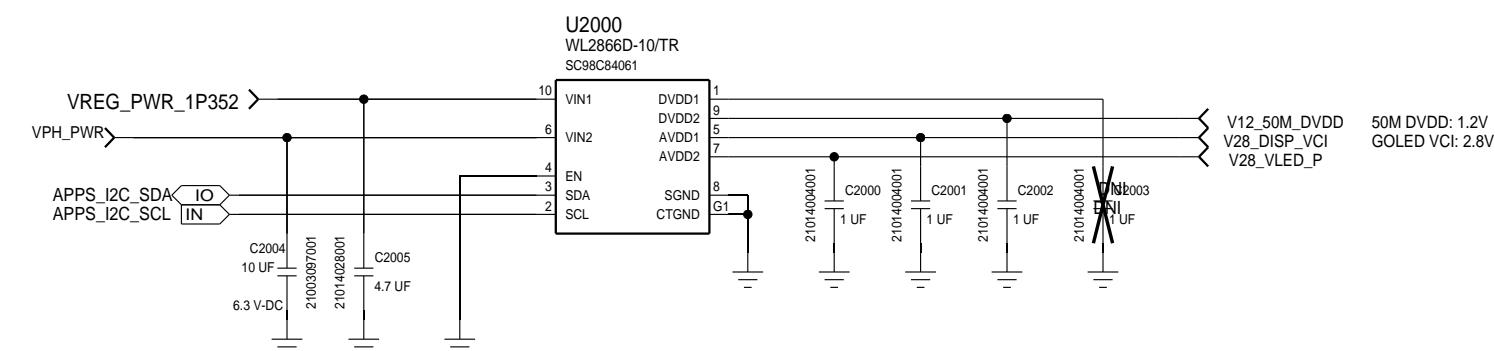
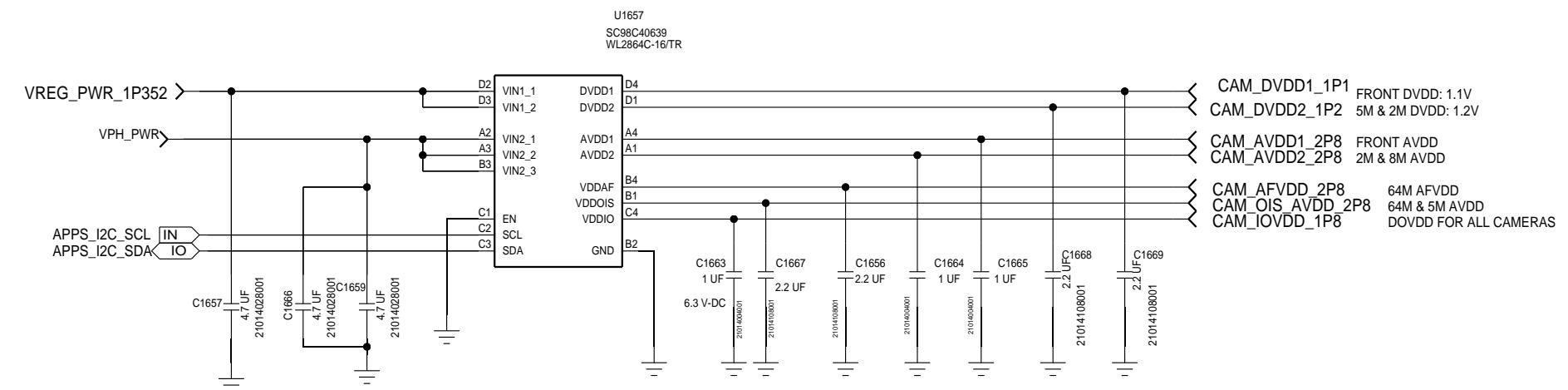
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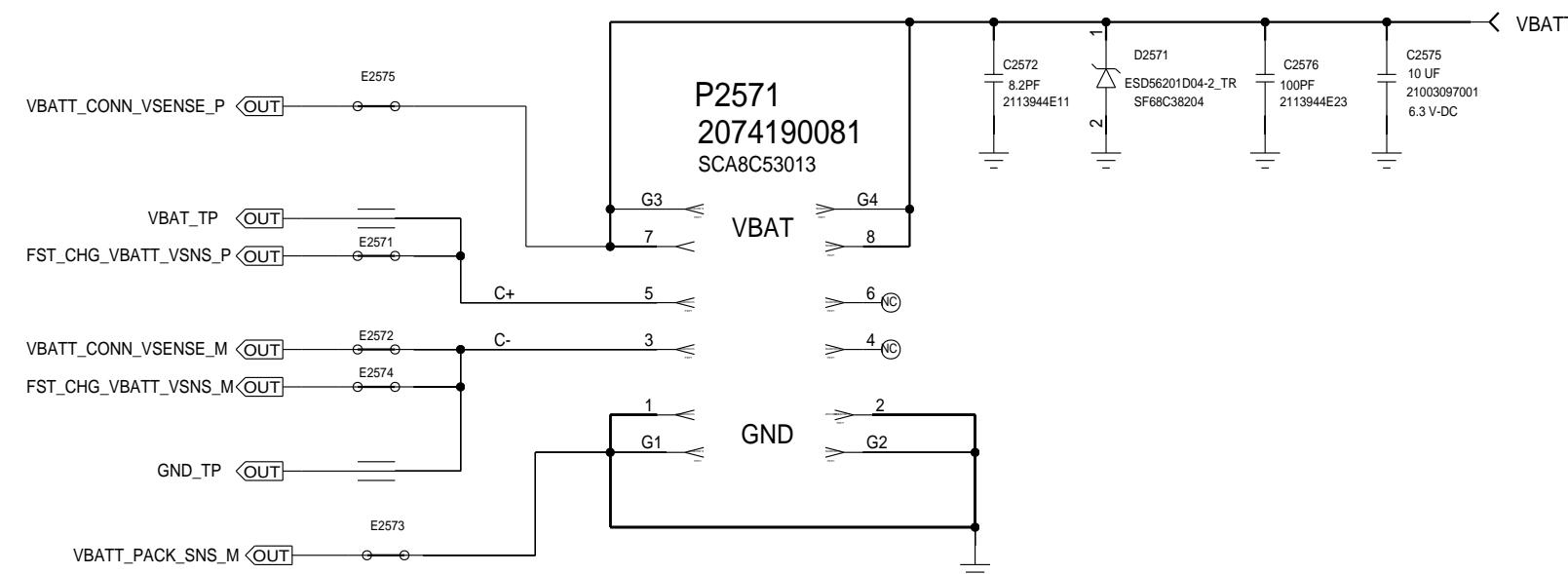
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CAD FILE NAME:		PAGE 25 OF 83	

# PWR: VBATT CONN

REF:2571 - 2580



APPROVALS	MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOLOLA	BLOCK TITLE:	
LAST MODIFIED BY: MOTOLOLA Tue Jun 29 18:00:26 2021	power	
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	CAD FILE NAME:	PAGE 26 OF 83

# XMCS: FPS CONNECTOR

REF: 6100-6199

D

D

C

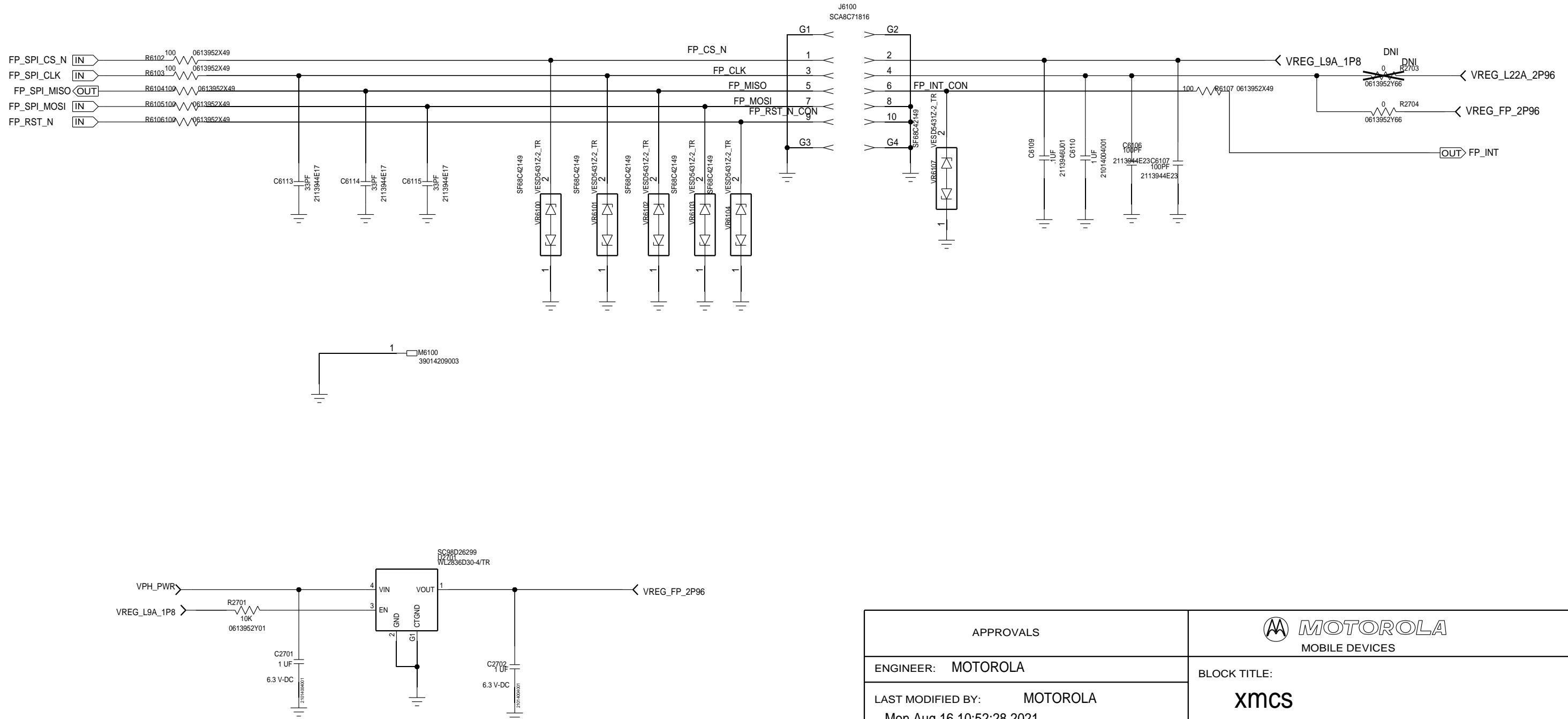
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B

B

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A



## APPROVALS

**MOTOROLA**  
MOBILE DEVICES

ENGINEER: MOTOROLA

BLOCK TITLE:

LAST MODIFIED BY: MOTOROLA  
Mon Aug 16 10:52:28 2021

**XMCS**

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**B corfu5g\_row\_sm6375.cpm**

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01

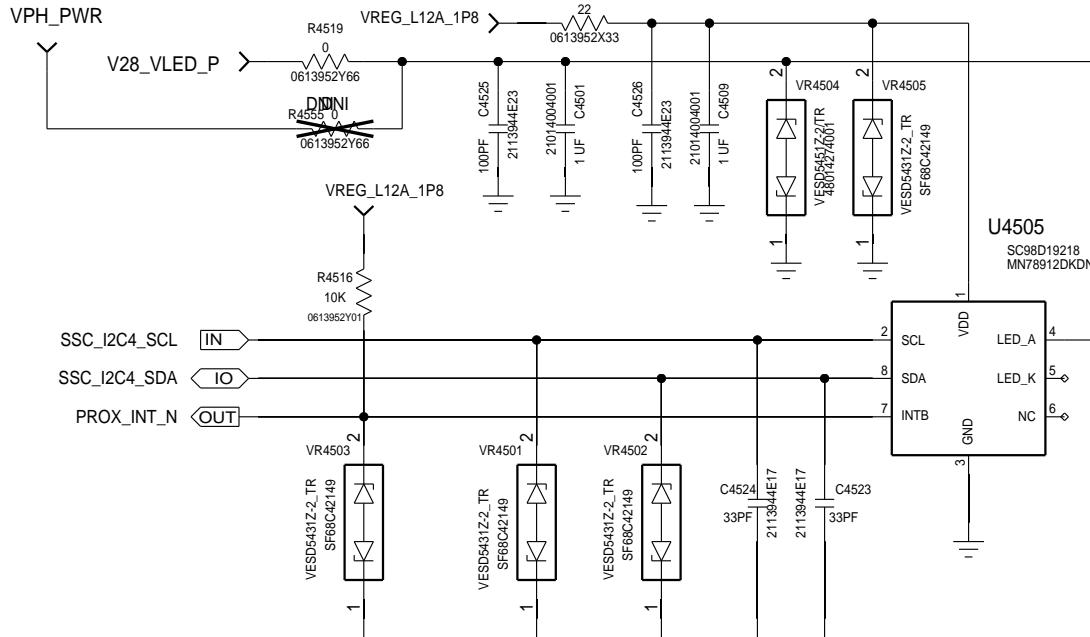
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PAGE 27 OF 83

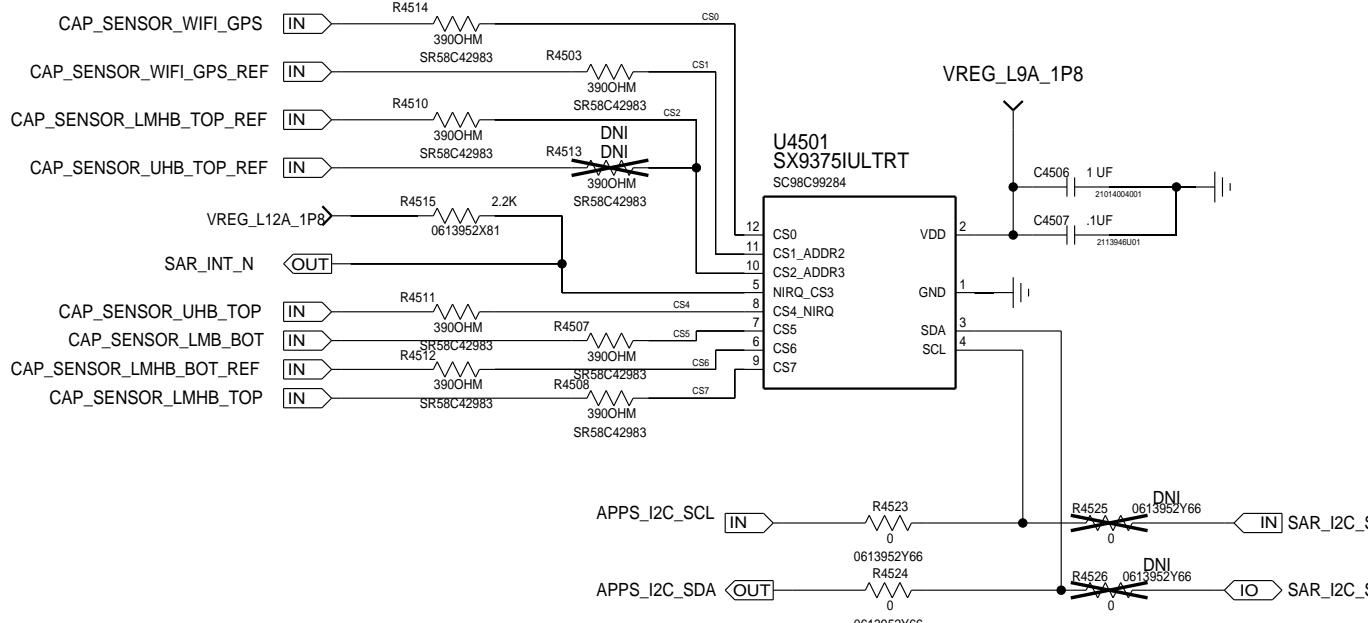
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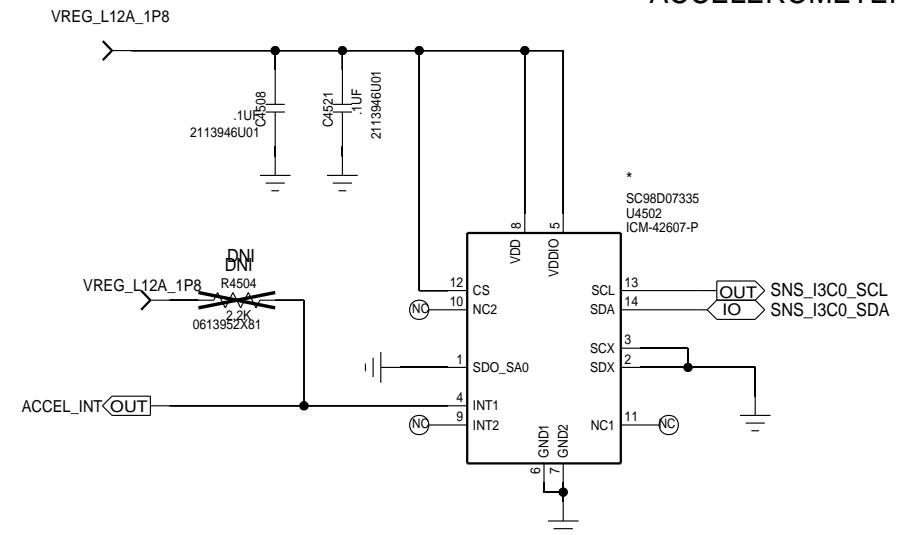
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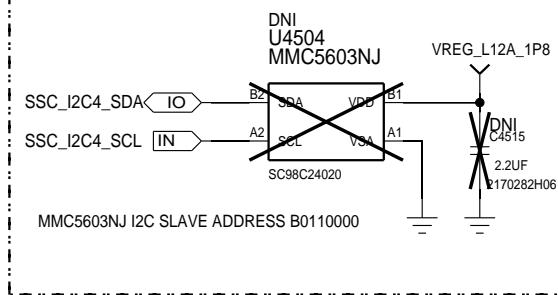
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## ACCELEROMETER+GYRO



## MAGNETOMETER

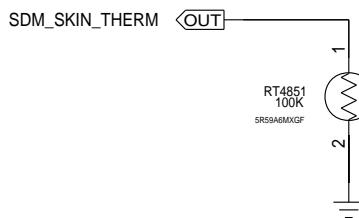


APPROVALS	 <b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MOTOLOLA	BLOCK TITLE:	
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	CAD FILE NAME:  	PAGE 28 OF 83

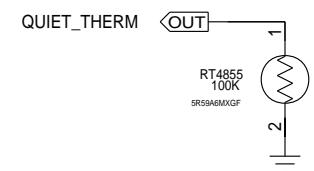
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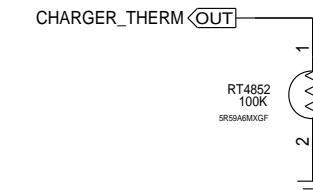
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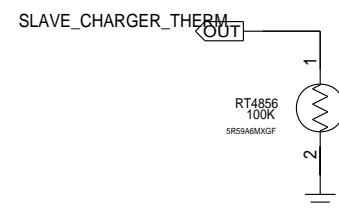
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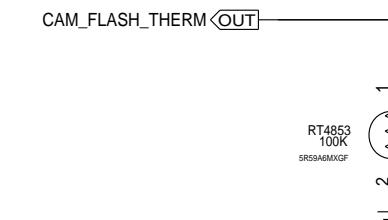
## CHRG TEMP SENSOR



## SLAVE CHRG TEMP SENSOR



## CAM\_FLASH TEMP SENSOR



### APPROVALS

**MOTOROLA**  
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**xmcs**

PROJECT NAME  
**corfu5g\_row\_sm6375.cpm**

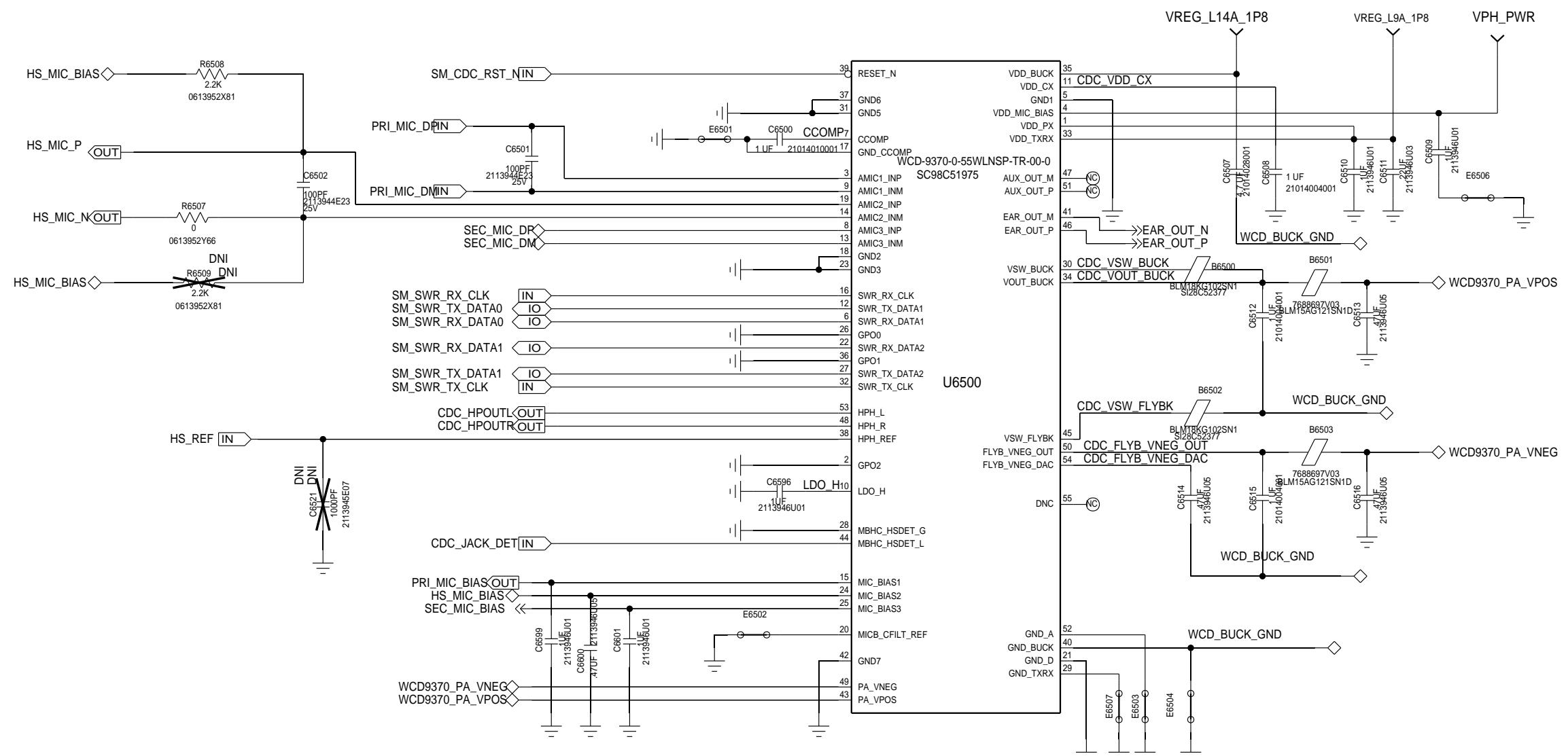
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CAD FILE NAME:

PAGE 29 OF 83

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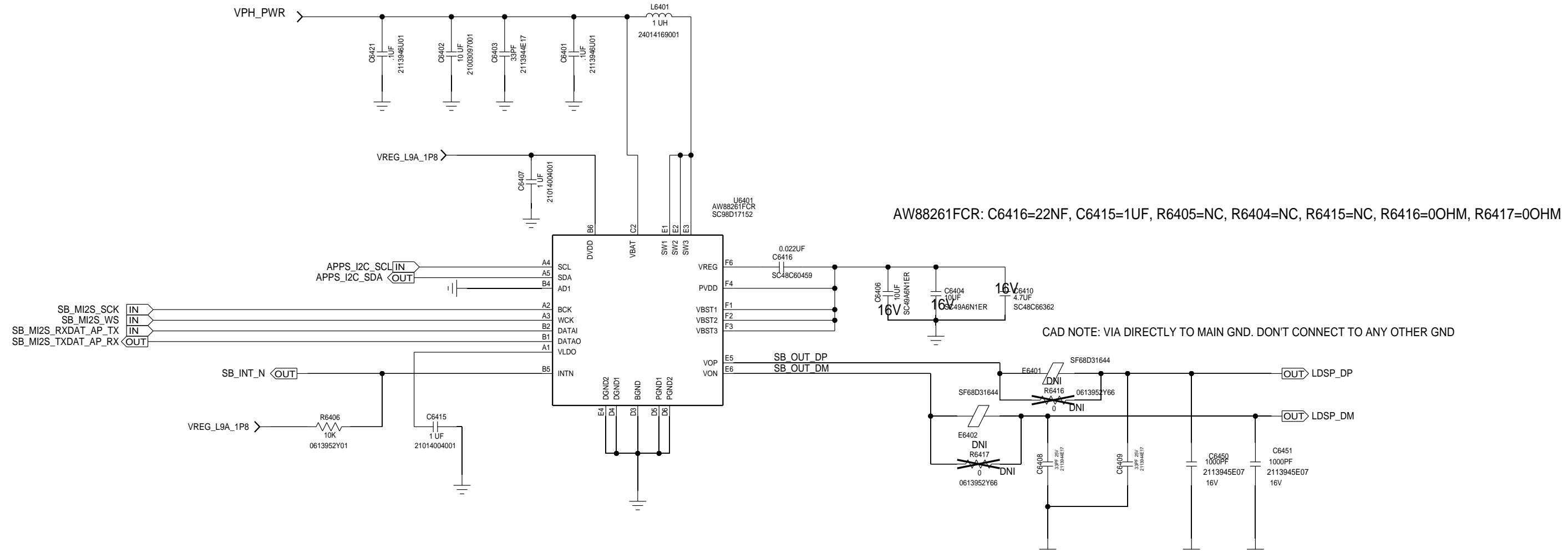


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	CAD FILE NAME:		PAGE 30 OF 83

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REF: 6401--6450

\*\*\* BOOST IC I2C ADD. 0X80

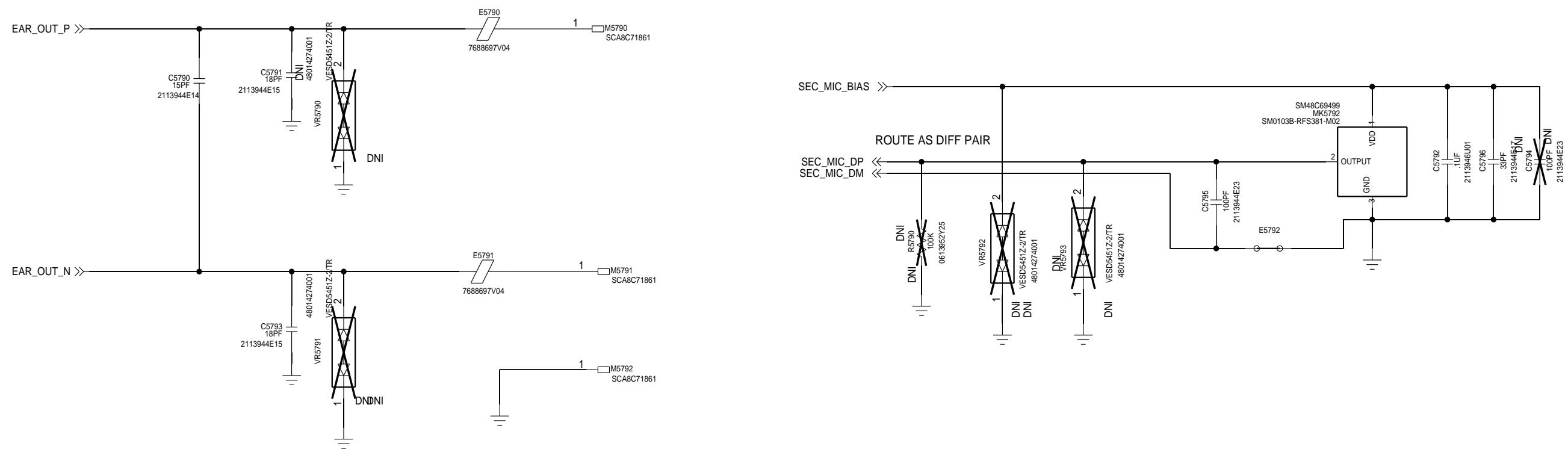


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CAD FILE NAME:		PAGE 31 OF 83

# AFE: SPEAKERS&MIC

REF:5790-5799

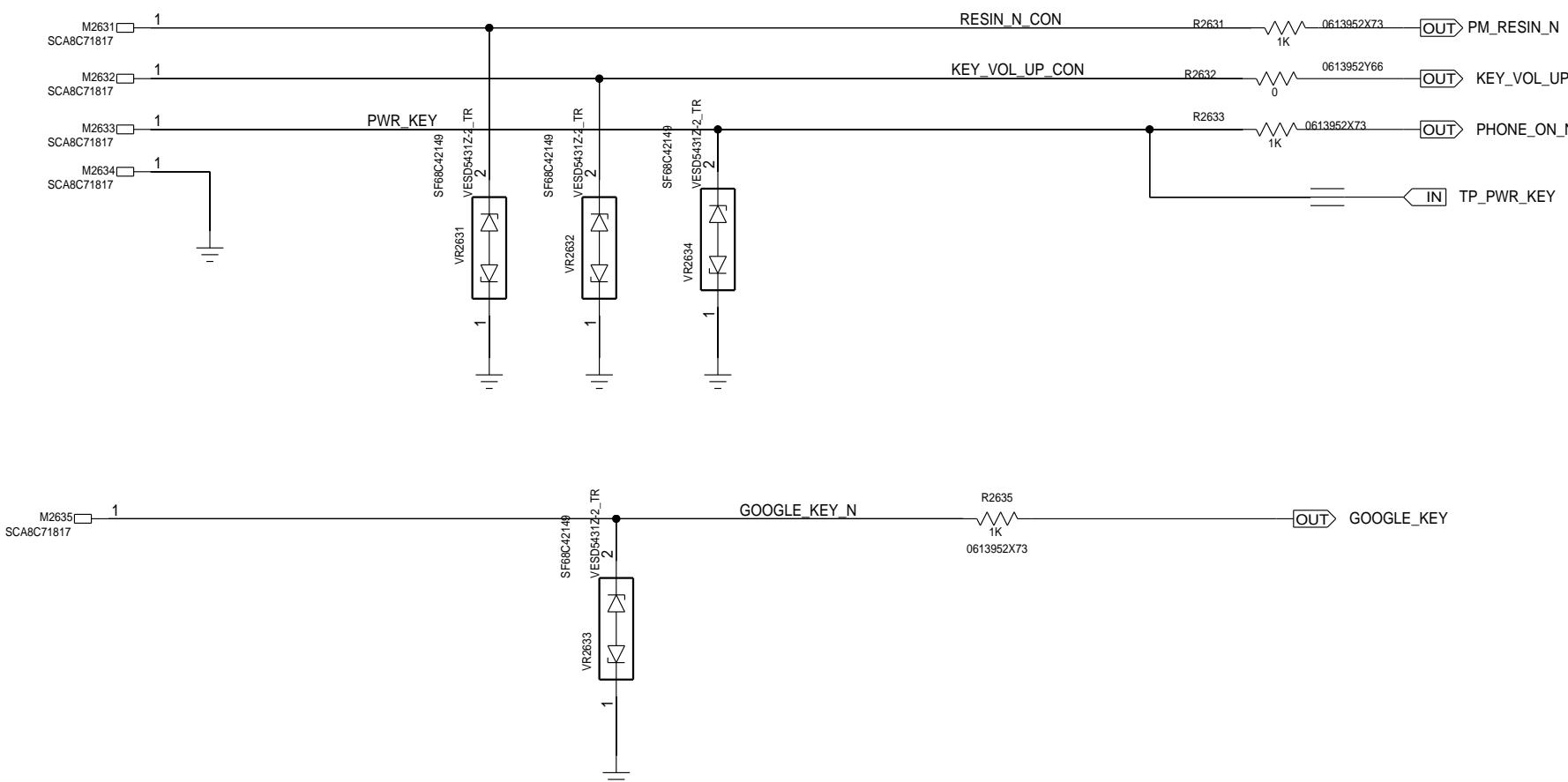
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CAD FILE NAME:		PAGE 32 OF 83	

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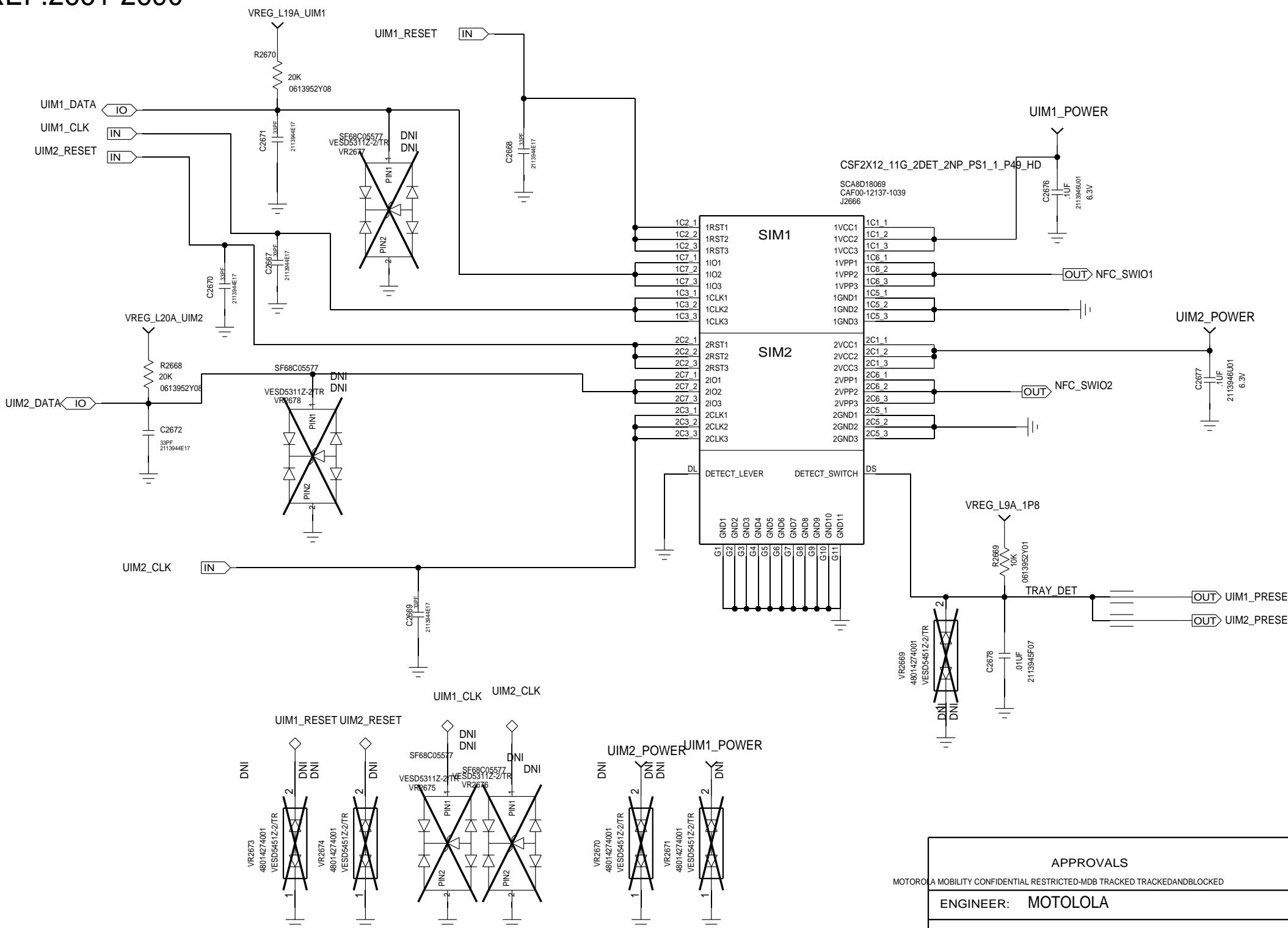
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CAD FILE NAME:		PAGE 33 OF 83

# UI: SIM CARD

REF:2661-2690



APPROVALS  
 MOTOROLA MOBILITY CONFIDENTIAL RESTRICTED-MDB TRACKED TRACKED AND BLOCKED

**MOTOROLA**  
 MOBILE DEVICES

ENGINEER: **MOTOROLA**

LAST MODIFIED BY: **MOTOROLA**  
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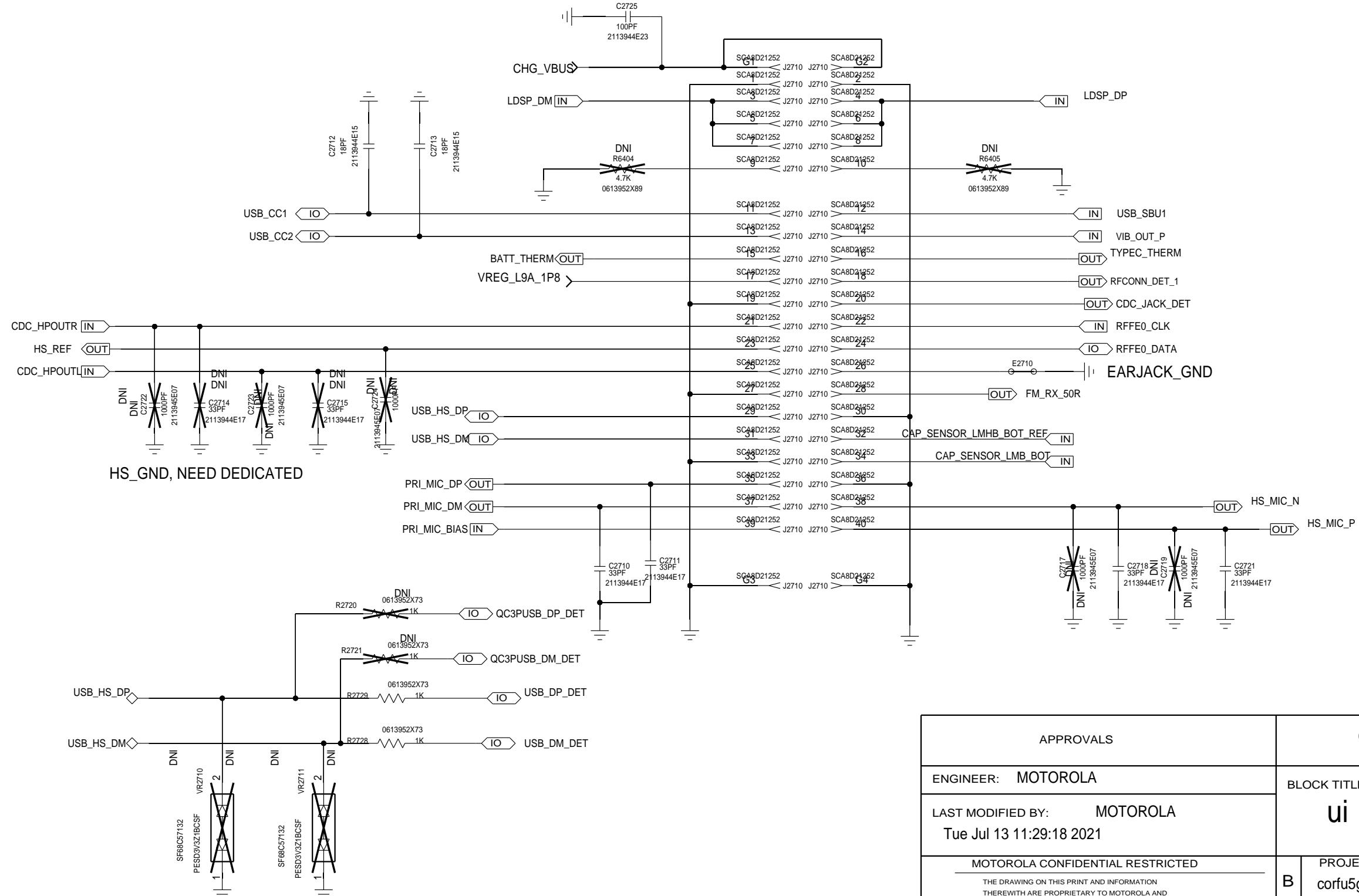
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CAD FILE NAME:

PAGE 34 OF 83

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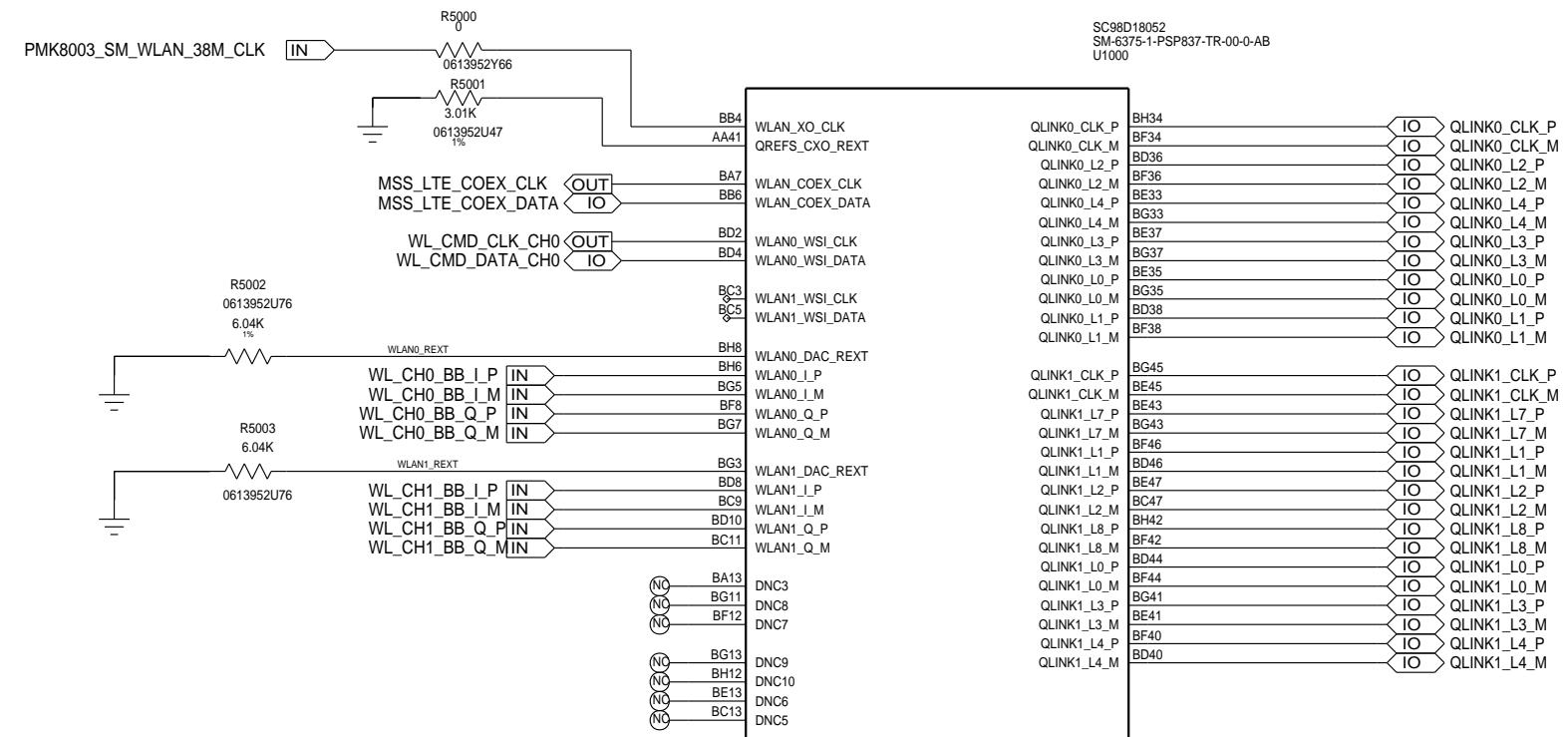
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Tue Jul 13 11:29:18 2021			
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CAD FILE NAME:			PAGE 35 OF 83

# RF INTERFACE

REF 5000-5099



APPROVALS	MOTOROLA MOBILE DEVICES	
ENGINEER:	BLOCK TITLE:  sdm_rf_interface	
LAST MODIFIED BY: MOTOROLA Tue Jun 15 12:56:42 2021		
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CAD FILE NAME:	PAGE 36 OF 83	

# ANT: PORTS

REFDES: 000 - 499

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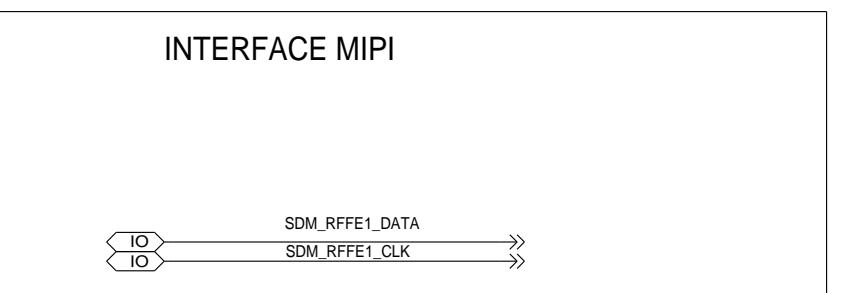
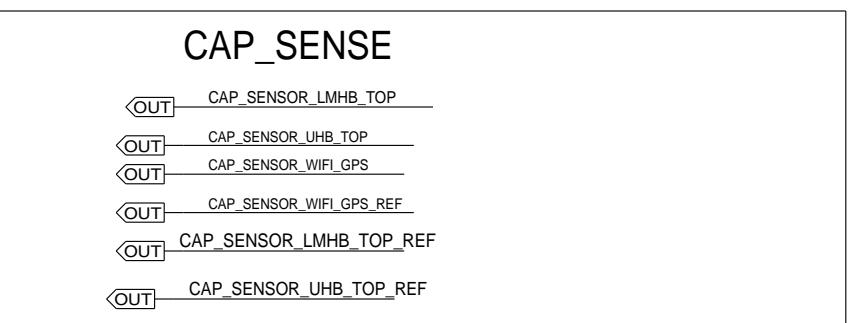
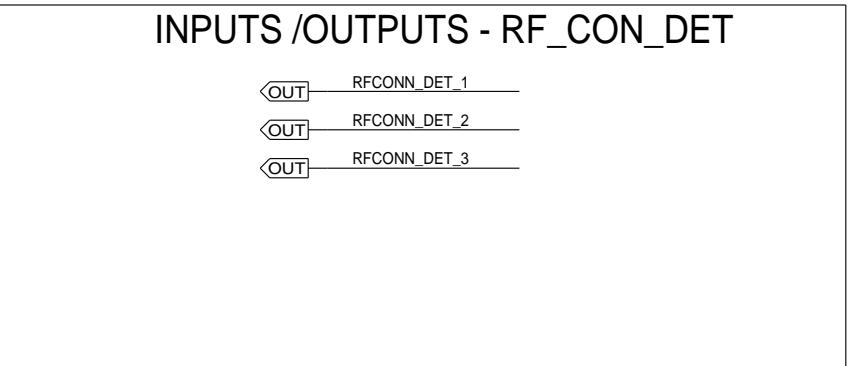
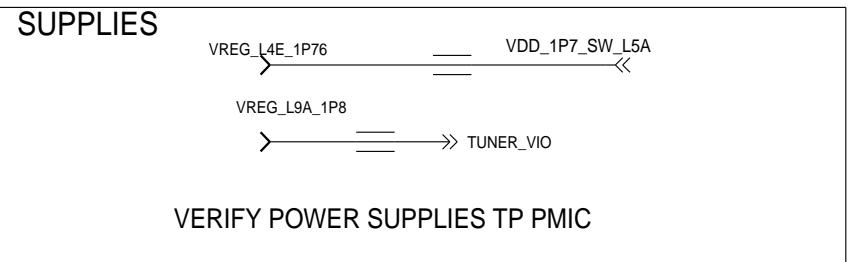
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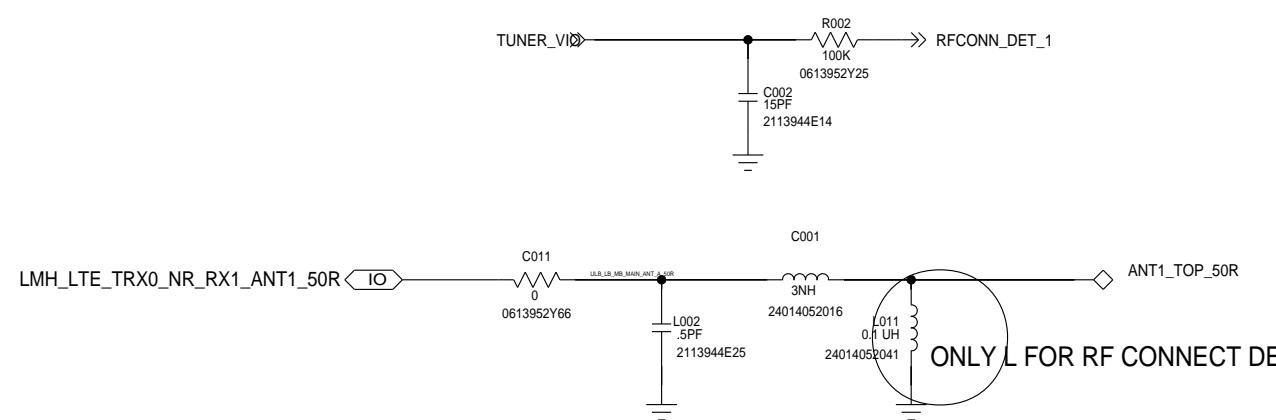
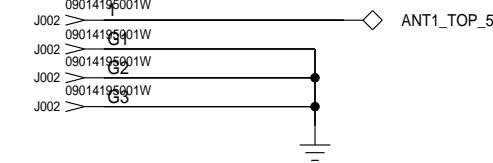
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APPROVALS	<b>MOTOROLA</b> MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Fri Jun 25 16:06:19 2021	<b>antennas</b>	
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CAD FILE NAME:		PAGE 37 OF 83

# ANT1: LTE LMHB TRX0+NR LMHB RX1+CS0

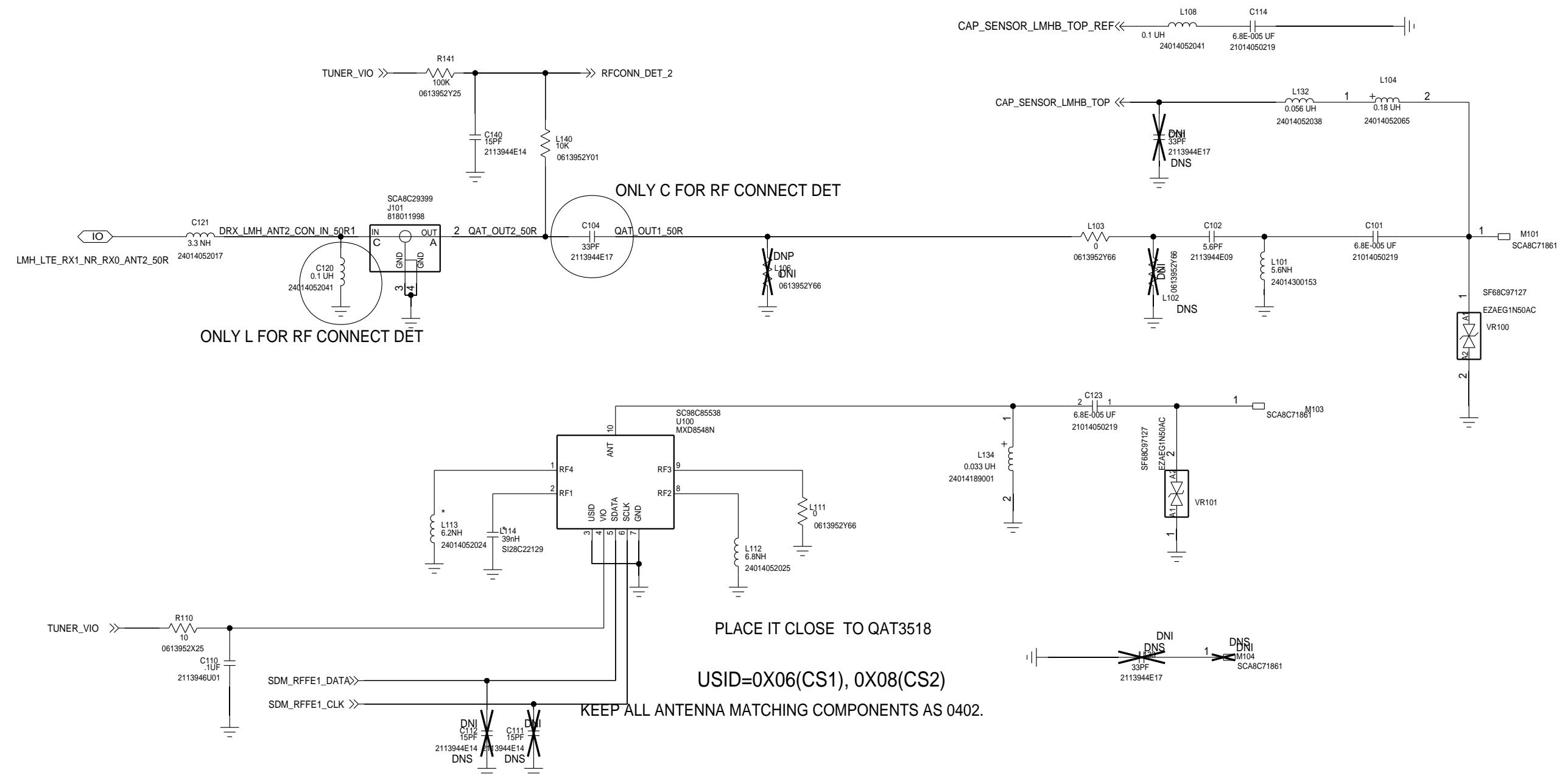
REFDES: 001-099


**ANT1 COAX**  
**TOP PCB**


APPROVALS	<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MOTOROLA	BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Mon Aug 09 13:48:57 2021	antennas	
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CAD FILE NAME:	PAGE 38 OF 83	

# ANT2: NR LMHB TRX0+LTE LMHB RX1+CS1

REFDES: 100-199

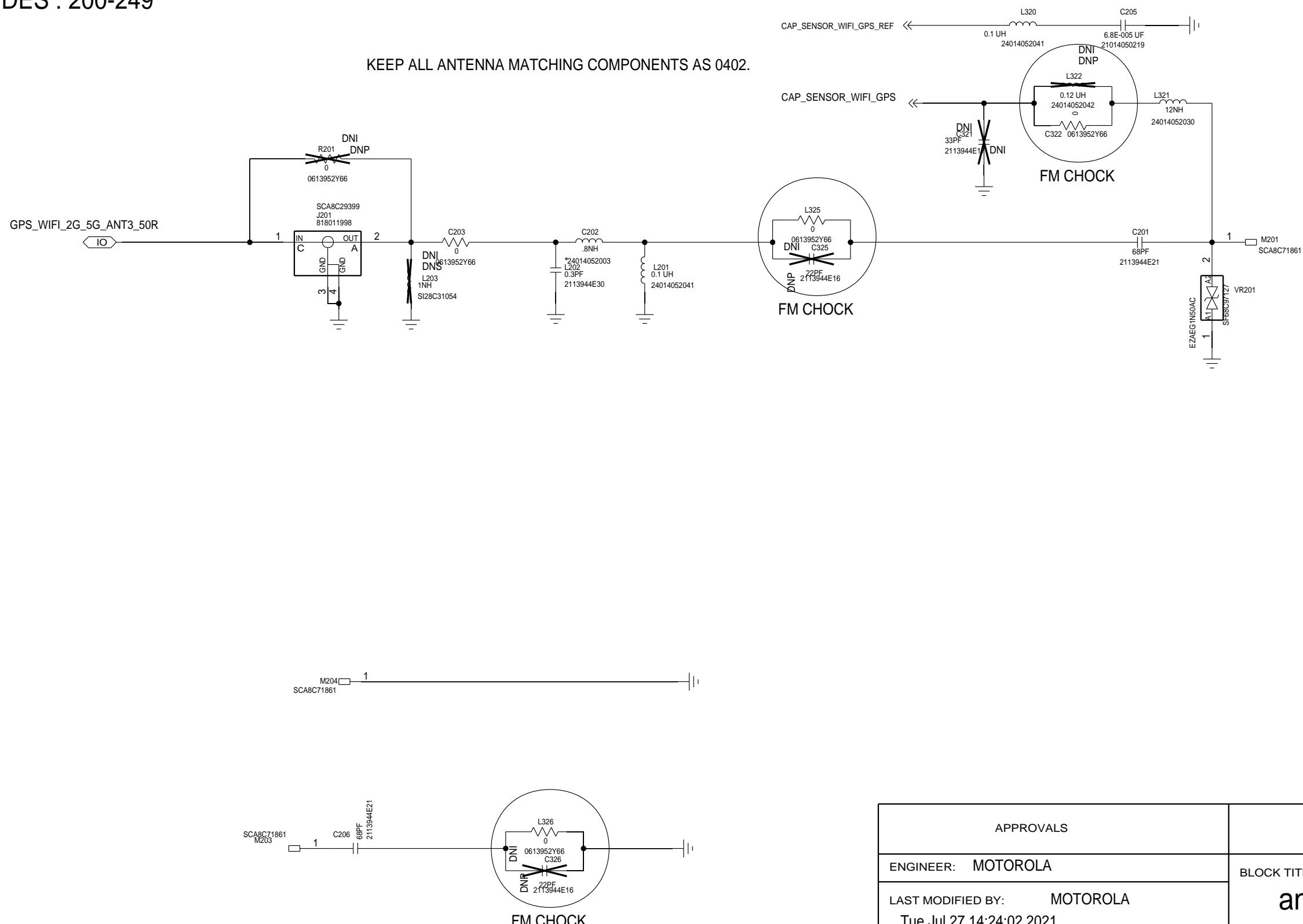


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CAD FILE NAME:		PAGE 39 OF 83	

# ANT3: GPS+WIFI 2.4GHZ TRX0

REFDES : 200-249

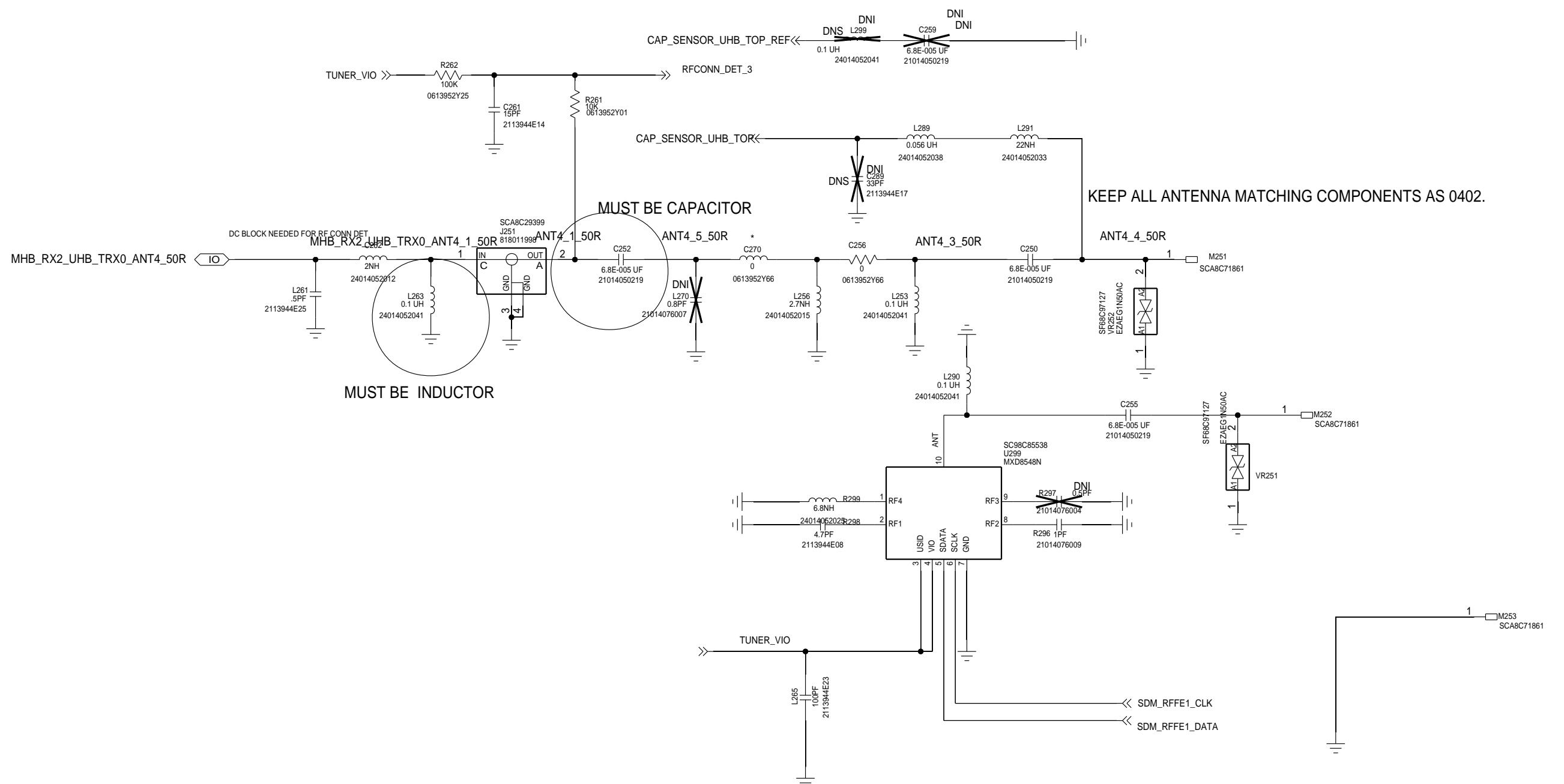
KEEP ALL ANTENNA MATCHING COMPONENTS AS 0402



APPROVALS	 <b>MOTOROLA</b> MOBILE DEVICES	
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CAD FILE NAME:		PAGE 40 OF 83

# ANT4: NR UHB TRX0+LTE MHB RX2+CS2

REFDES: 250-299

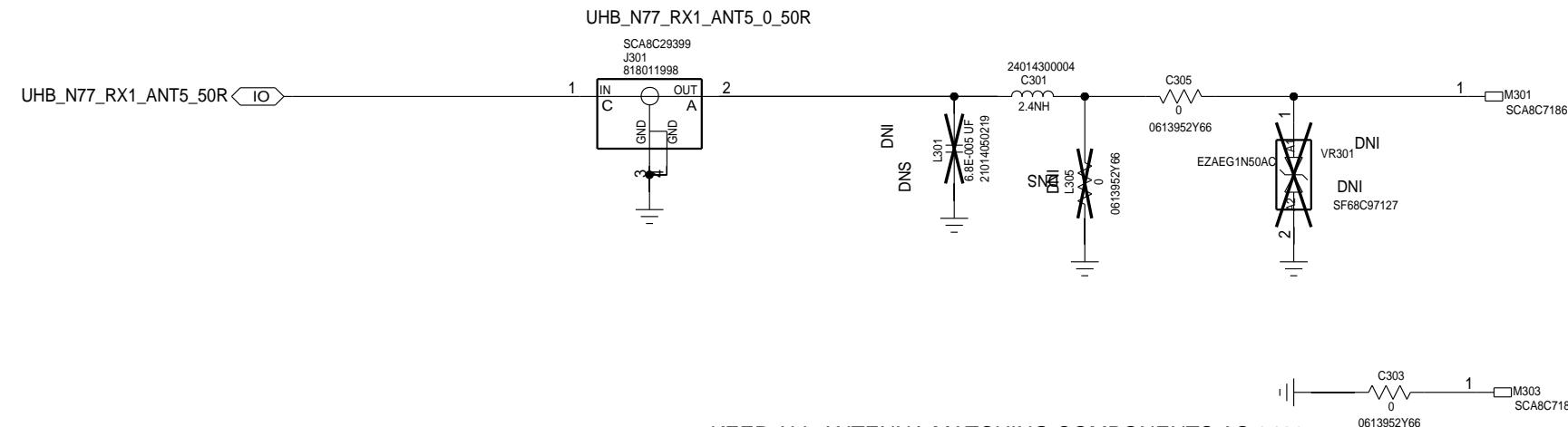


APPROVALS	<b>MOTOROLA</b> MOBILE DEVICES	
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CAD FILE NAME:		PAGE 41 OF 83

# ANT5: NR UHB RX1

REFDES: 450-499

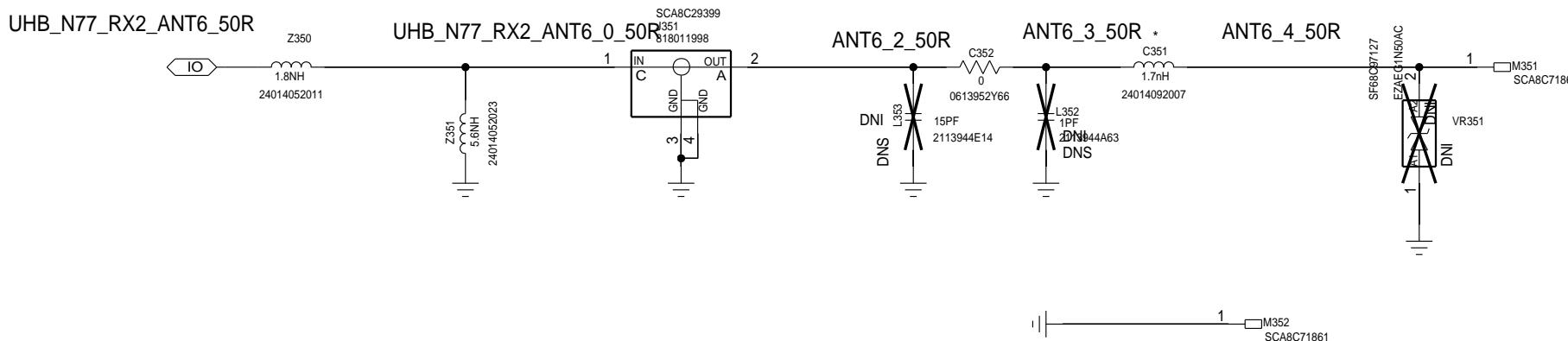
KEEP ALL ANTENNA MATCHING COMPONENTS AS 0402.



APPROVALS	MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Fri Jun 25 16:06:29 2021	antennas	
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CAD FILE NAME:		PAGE 42 OF 83

# ANT6: UHB\_RX2\_ LTE B25/30/66 RX0

REFDES: 350-399

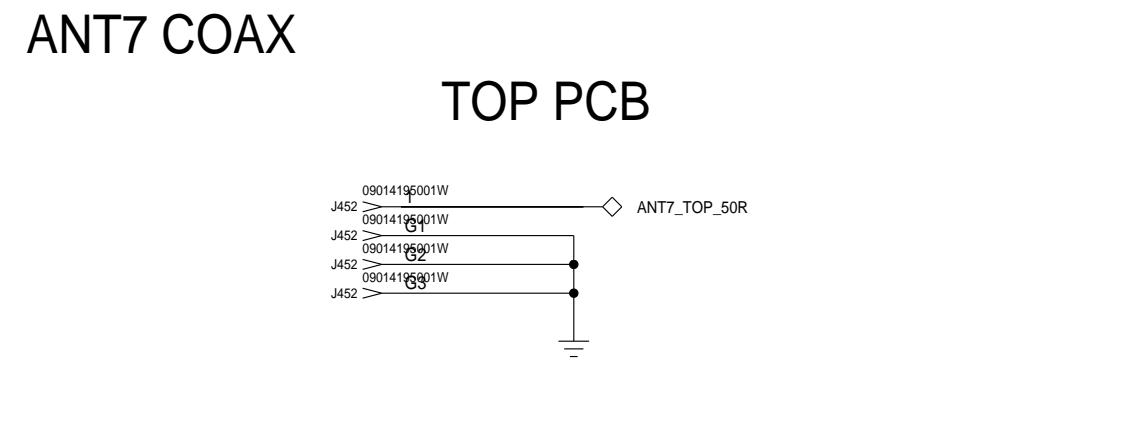
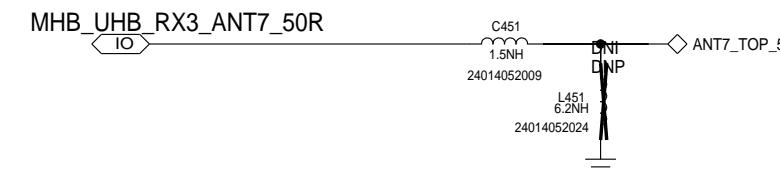


KEEP ALL ANTENNA MATCHING COMPONENTS AS 0402.

APPROVALS	 <b>MOTOROLA</b> MOBILE DEVICES	
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CAD FILE NAME:		PAGE 43 OF 83

# ANT7: NR UHB RX1+LTE MHB RX2

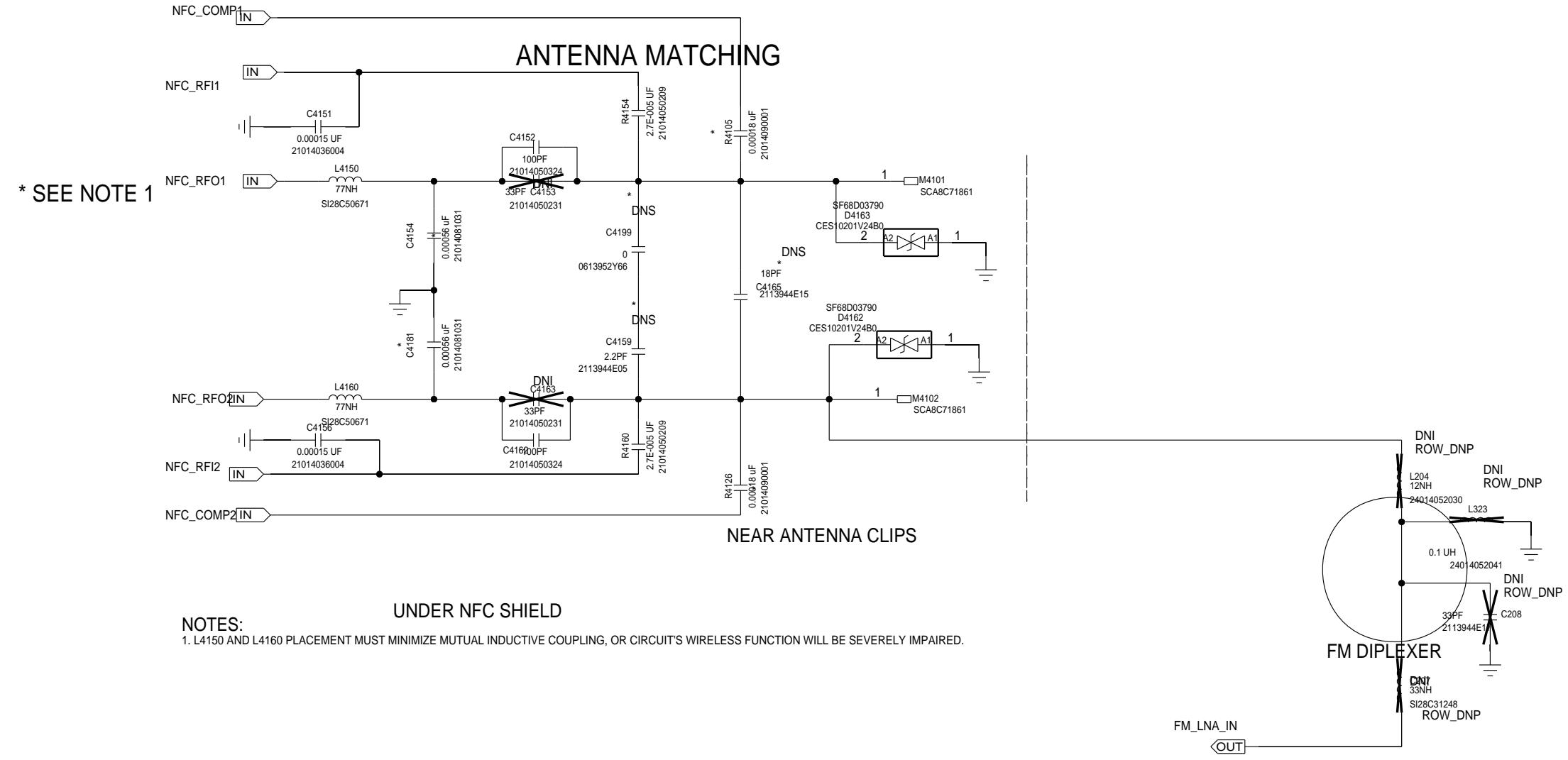
REFDES: 300-349



APPROVALS	<b>MOTOROLA</b> MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Fri Jun 25 16:06:32 2021		
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	CAD FILE NAME:	PAGE 44 OF 83

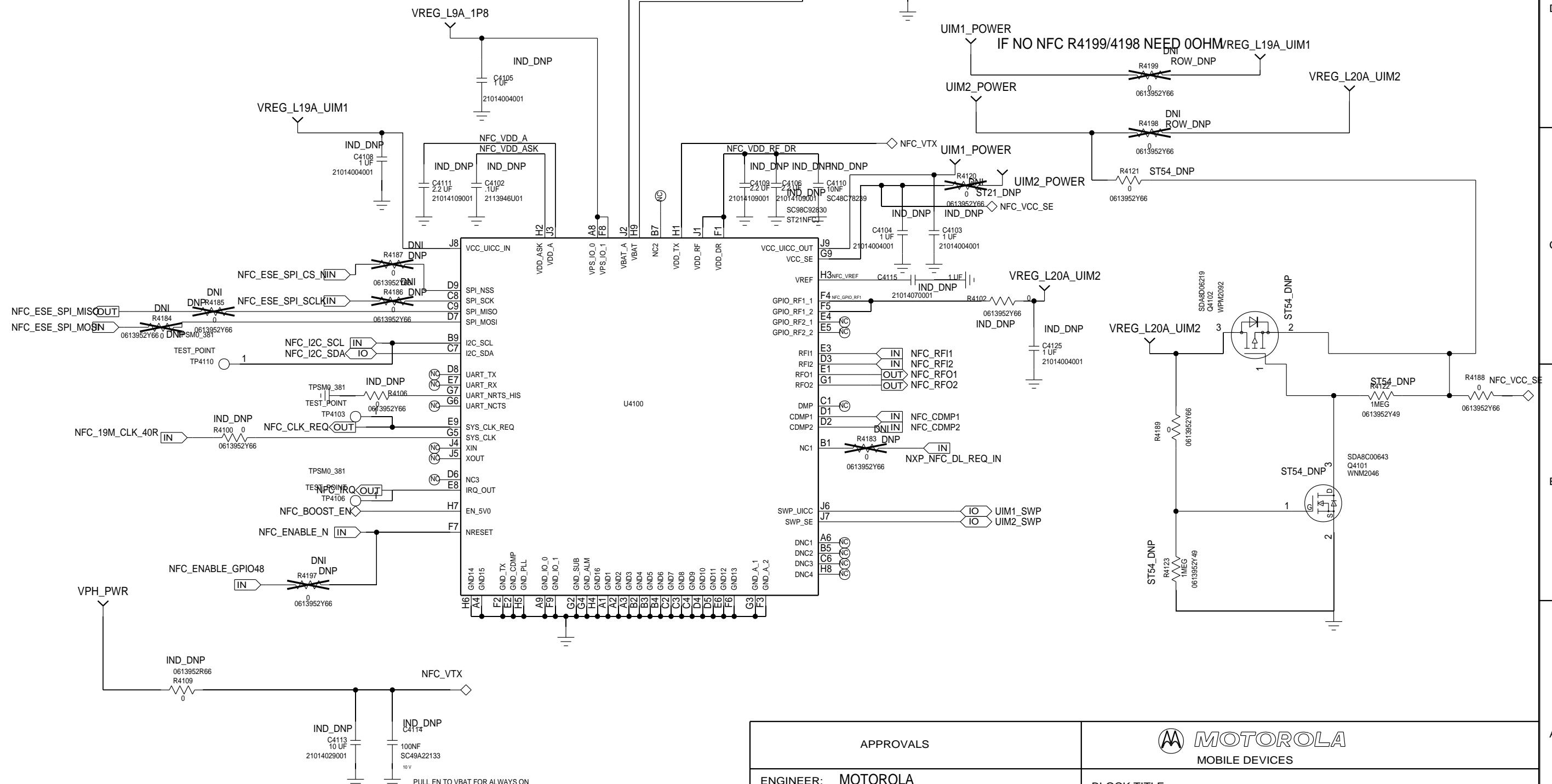
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REFDES: 400-449



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
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CAD FILE NAME:			PAGE 45 OF 83

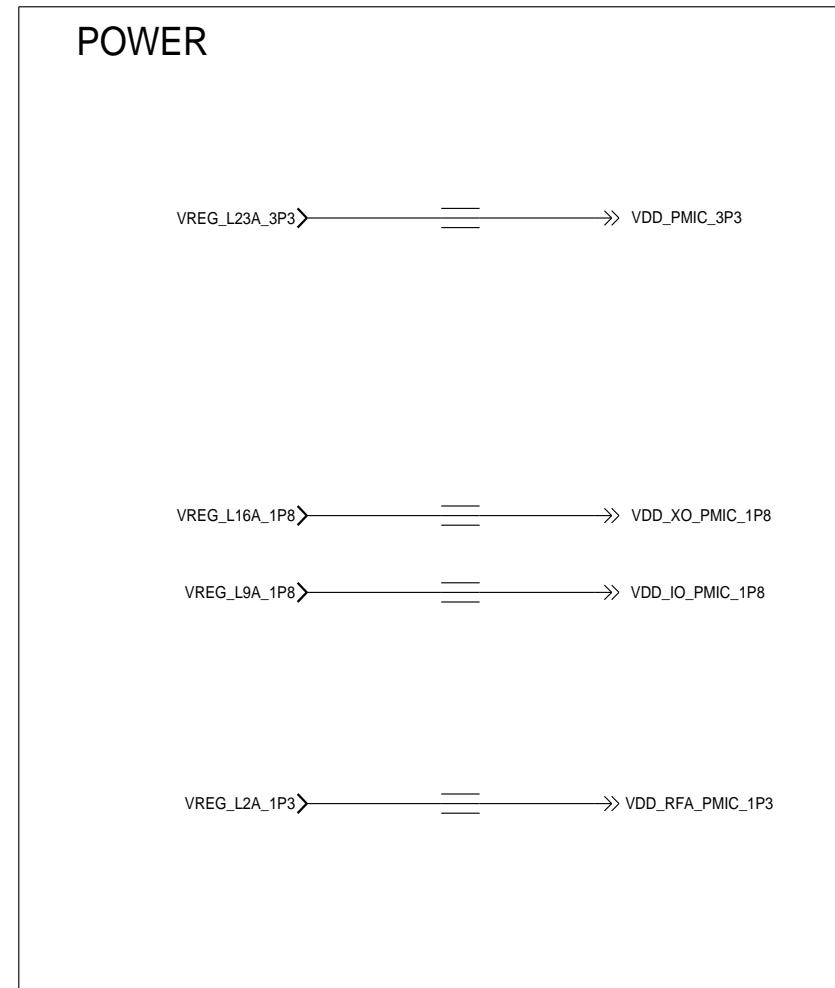
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REF 4100-4199



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LAST MODIFIED BY: MOTOROLA Fri Jun 25 15:59:09 2021	nfc	
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# WCN3988 PORT/POWER

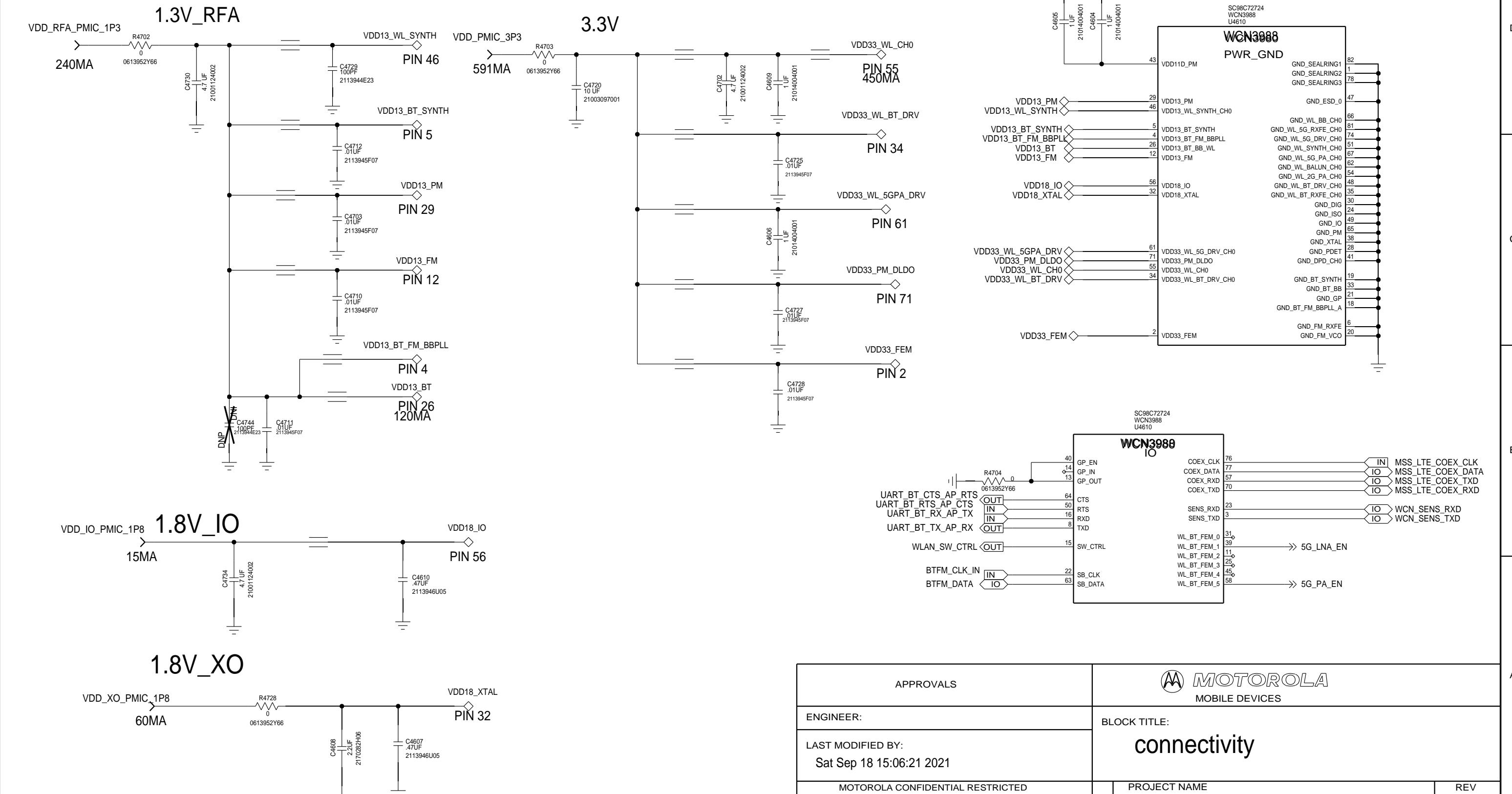
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	CAD FILE NAME:	PAGE 47 OF 83

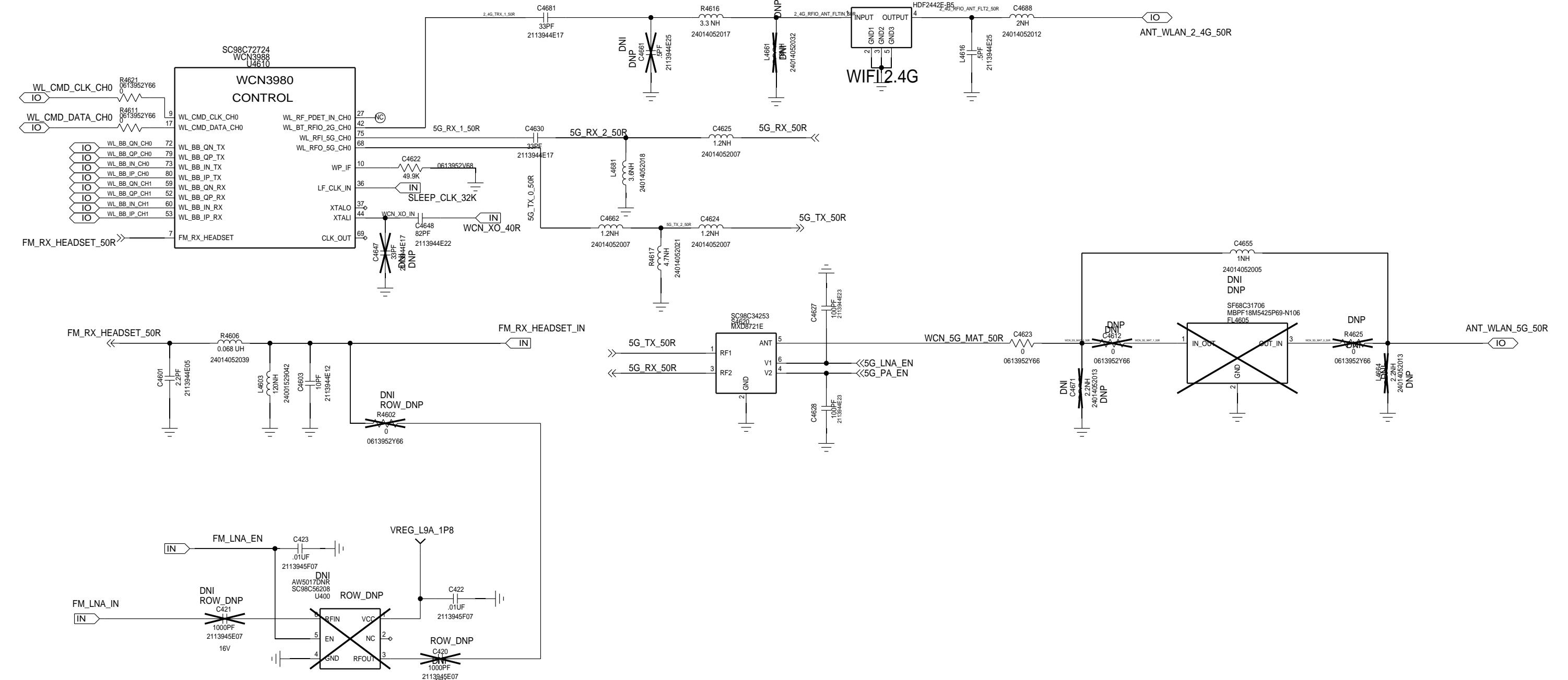
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REF 4600-4699



# WCN3988 RF/CONTROL

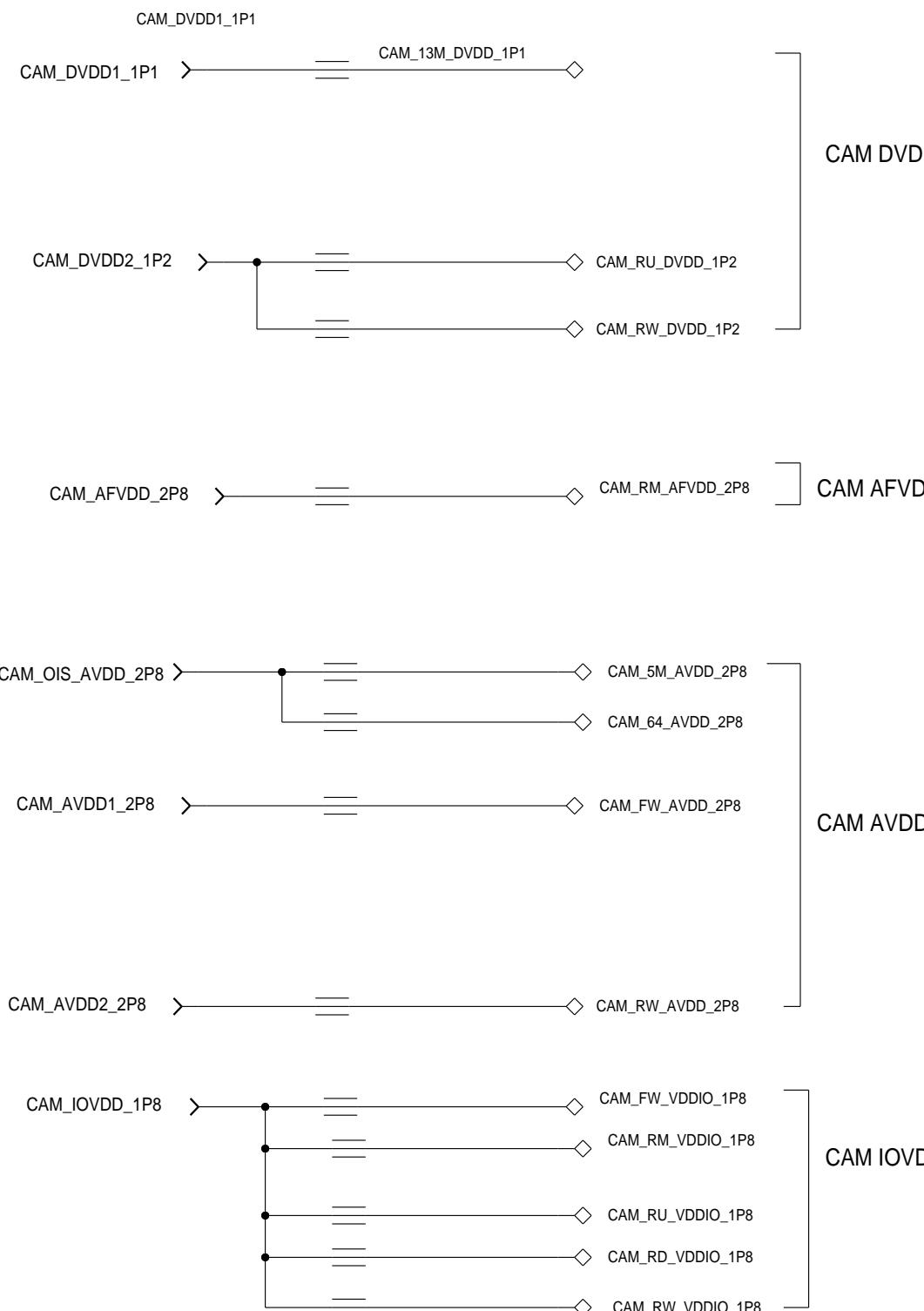
## REF 4700-4799



APPROVALS		<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER:		BLOCK TITLE:	
LAST MODIFIED BY: Tue Jul 27 11:27:41 2021		<b>connectivity</b>	
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CAD FILE NAME:		PAGE 49 OF 83	

# CAM: POWER

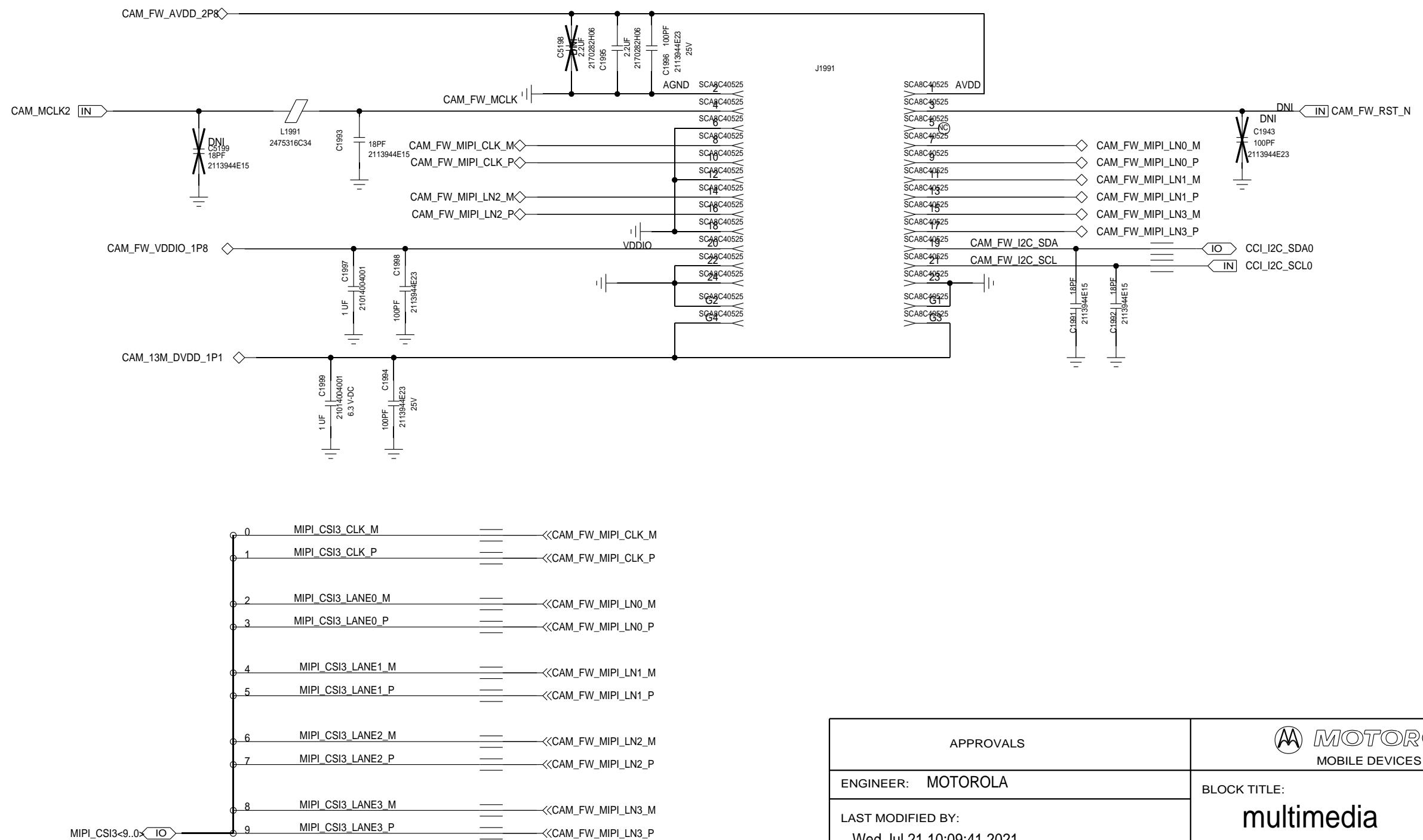
REF: 1921-1950



APPROVALS	<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: HANLEI	BLOCK TITLE:  <b>multimedia</b>	
LAST MODIFIED BY: ZHOHU Wed Jul 21 10:09:39 2021		
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CAD FILE NAME:		PAGE 50 OF 83

# CAM: FRONT 13M

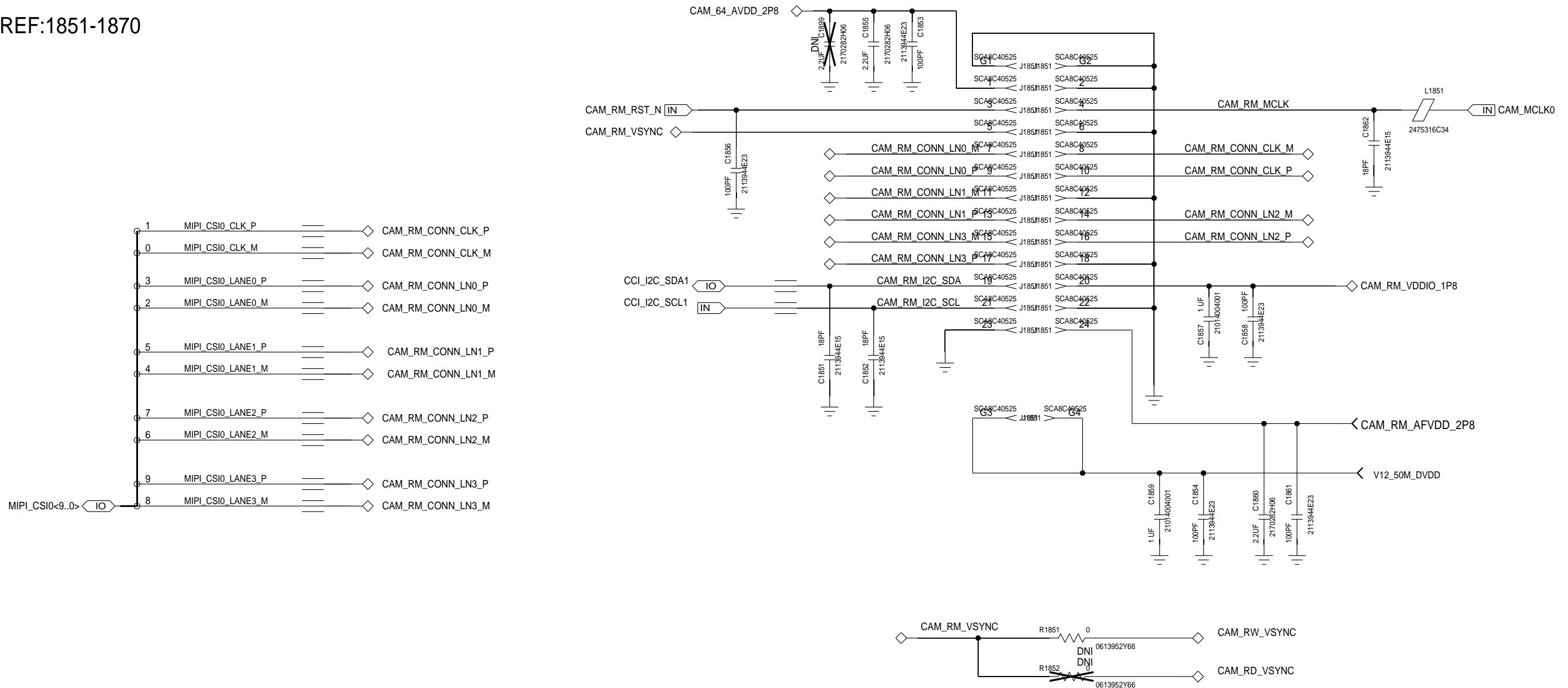
REF:1986--2010



APPROVALS	 <b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MOTOROLA	BLOCK TITLE:	
LAST MODIFIED BY: Wed Jul 21 10:09:41 2021	<b>multimedia</b>	
<b>MOTOROLA CONFIDENTIAL RESTRICTED</b> <hr/> <p>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.</p> <p>© COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</p>		
B	PROJECT NAME corfu5g_row_sm6375.cpm	REV 01
CAD FILE NAME:		PAGE 51 OF 83

# CAM: REAR 64M

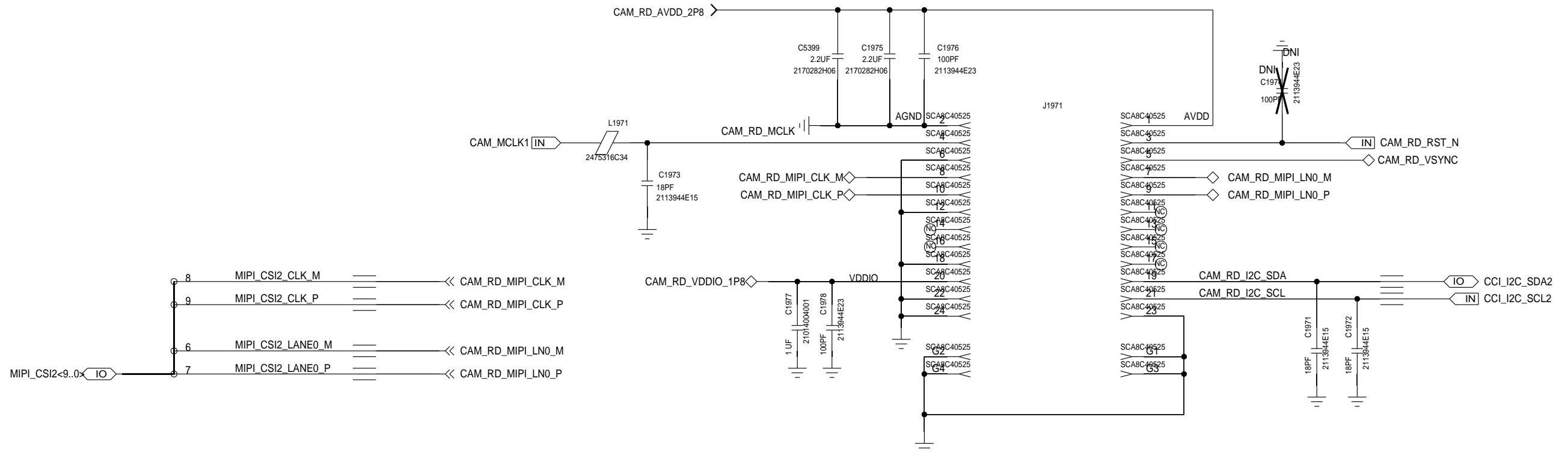
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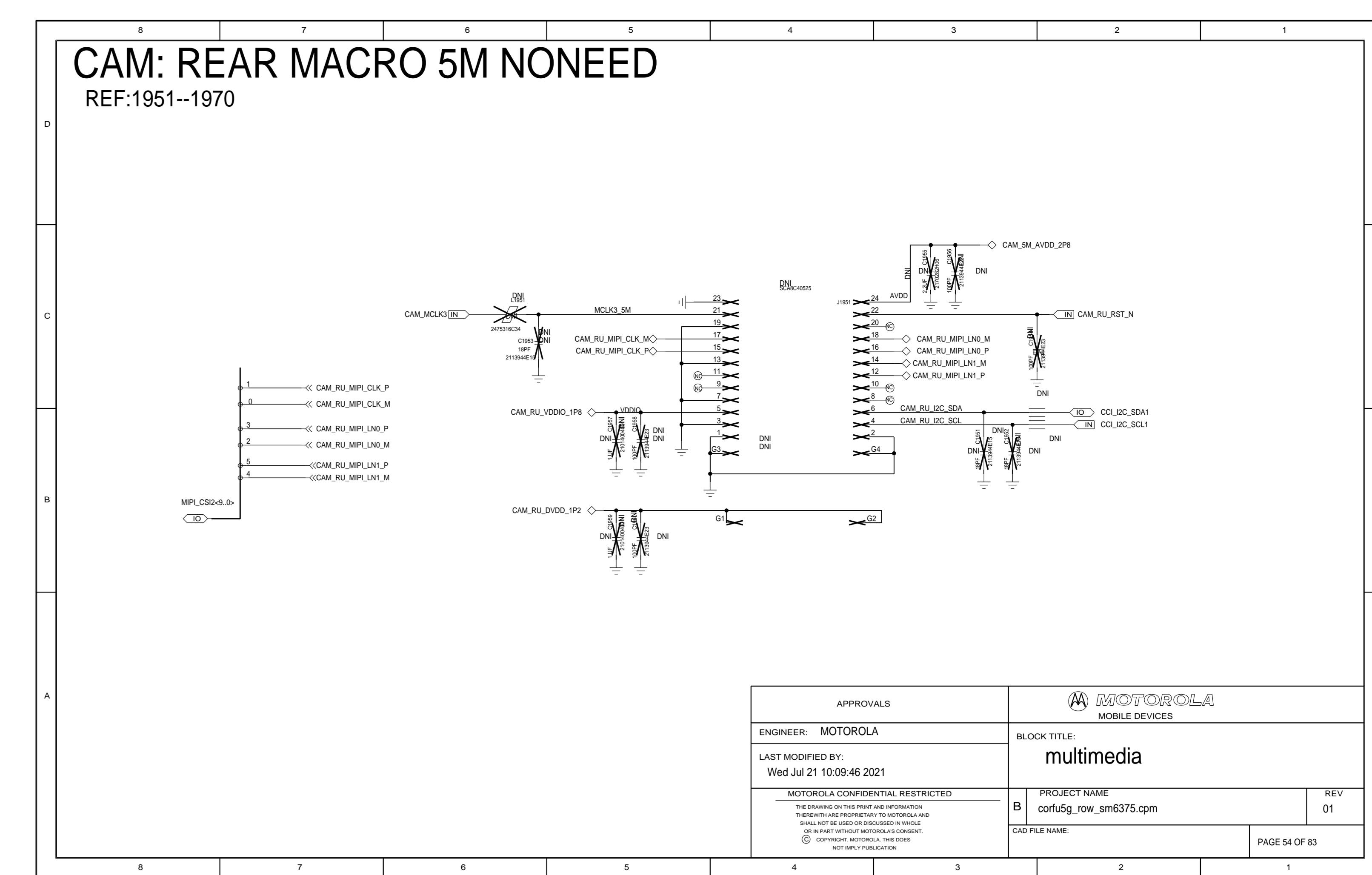
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ENGINEER: MOTOROLA		BLOCK TITLE: <b>multimedia</b>	
LAST MODIFIED BY: MOTOROLA Wed Jul 21 10:09:43 2021			
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CAD FILE NAME:		PAGE 52 OF 83	

# CAM: REAR MACRO 2M

REF:1971--1985

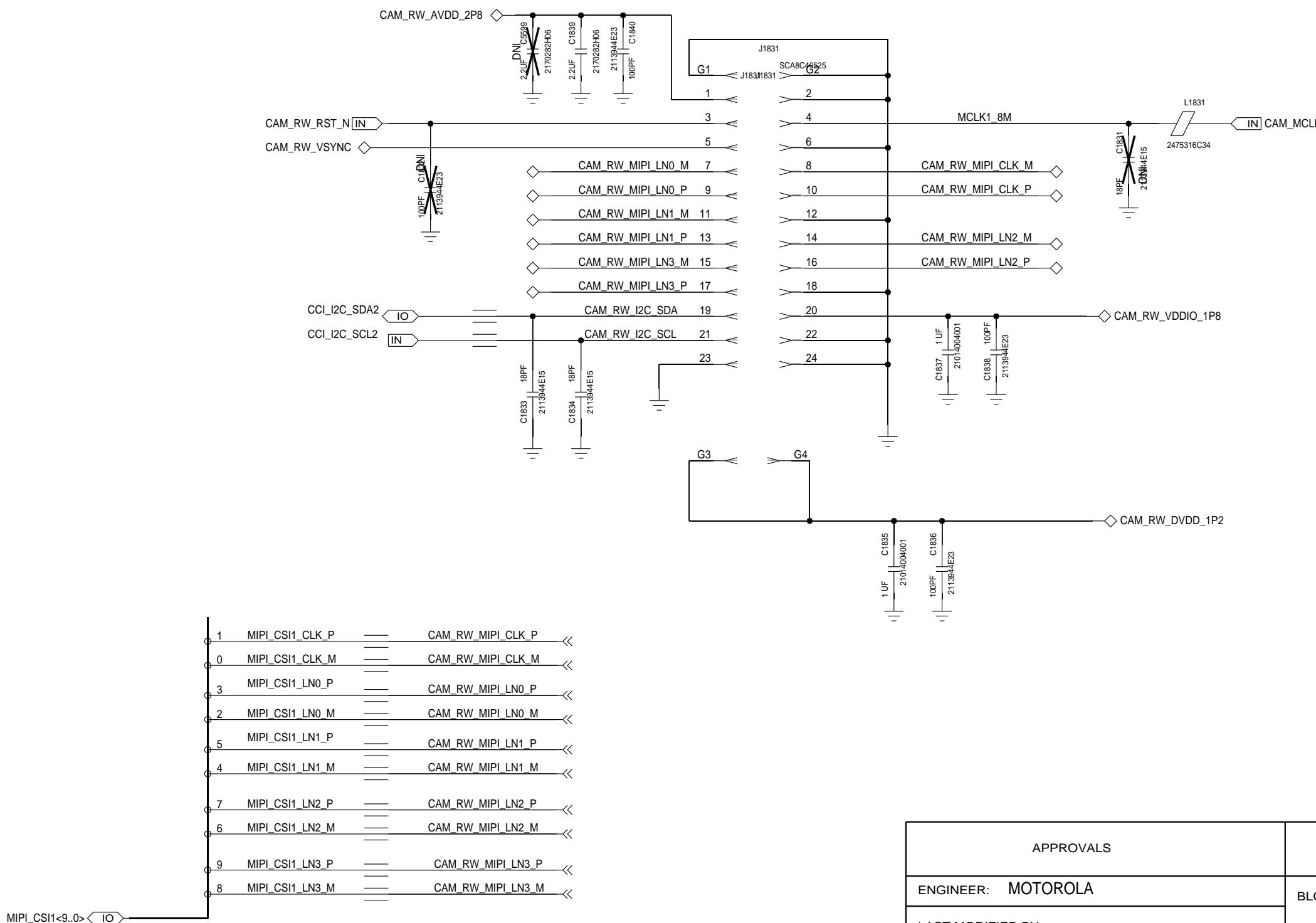


APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE: <b>multimedia</b>	
LAST MODIFIED BY: Wed Jul 21 10:09:44 2021			
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CAD FILE NAME:		PAGE 53 OF 83	



# CAM: REAR WIDE 8M

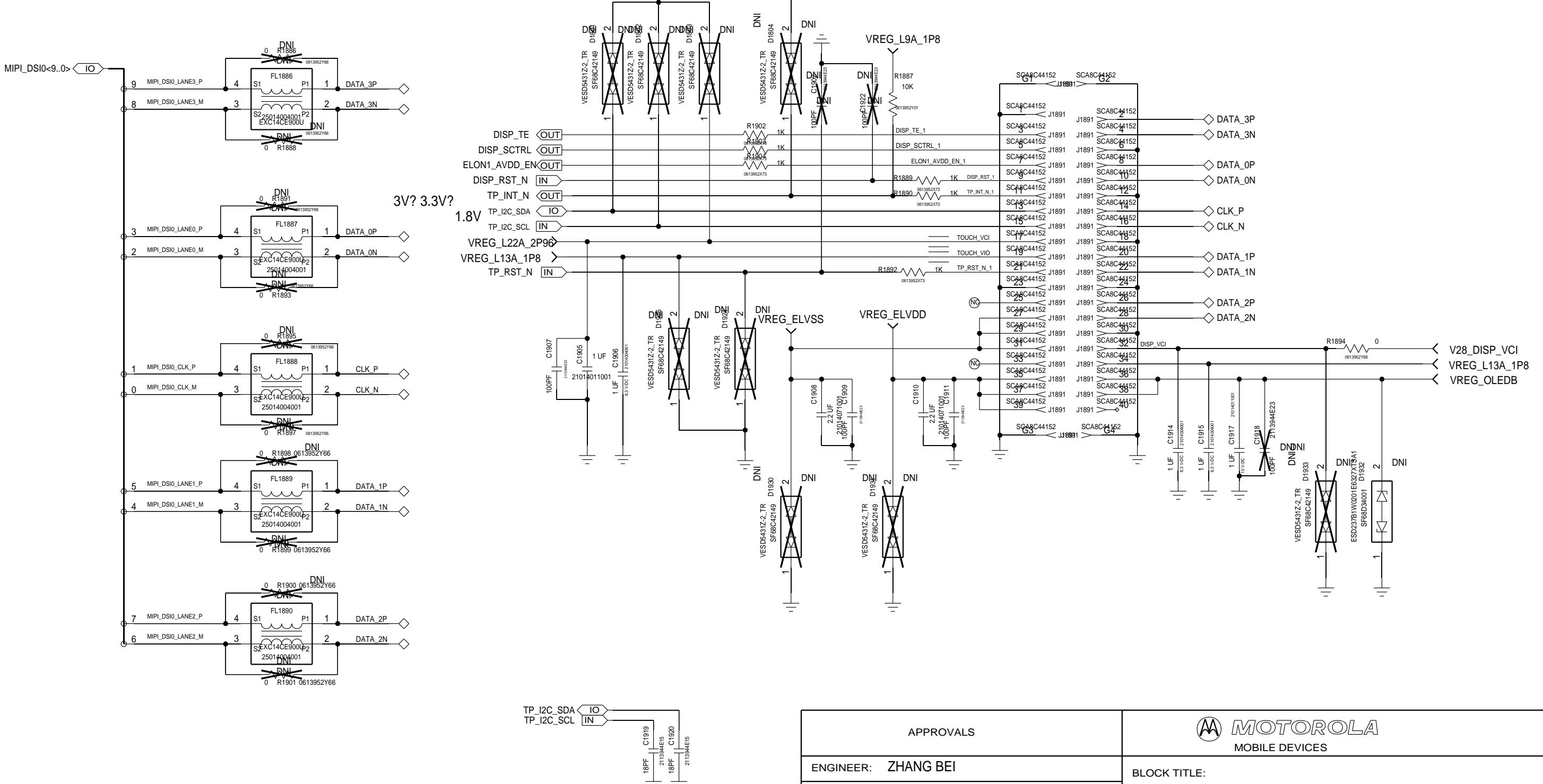
REF: 1831-1850



APPROVALS		MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: Wed Jul 21 10:09:47 2021		multimedia	
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CAD FILE NAME:		PAGE 55 OF 83	

# DISP: CONNECTOR

REF:1886--1920



APPROVALS		 <b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: ZHANG BEI		BLOCK TITLE:  <b>multimedia</b>	
LAST MODIFIED BY: ZHANG BEI Wed Jul 21 10:09:49 2021			
MOTOROLA CONFIDENTIAL RESTRICTED		B	PROJECT NAME corfu5g_row_sm6375.cpm
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CAD FILE NAME:		PAGE 56 OF 83	

# RFFE: PORTS

REFDES: 7000-8199

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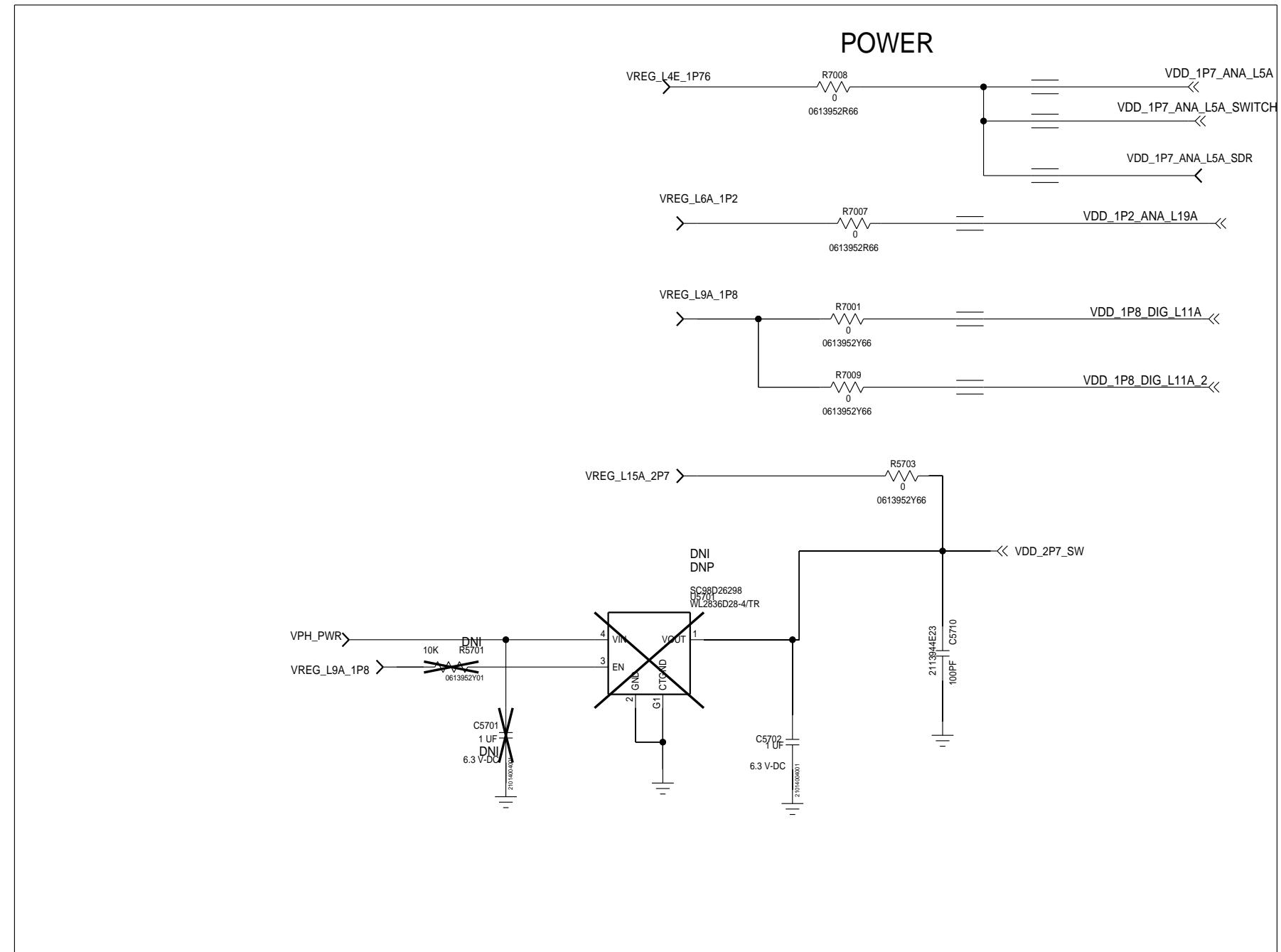
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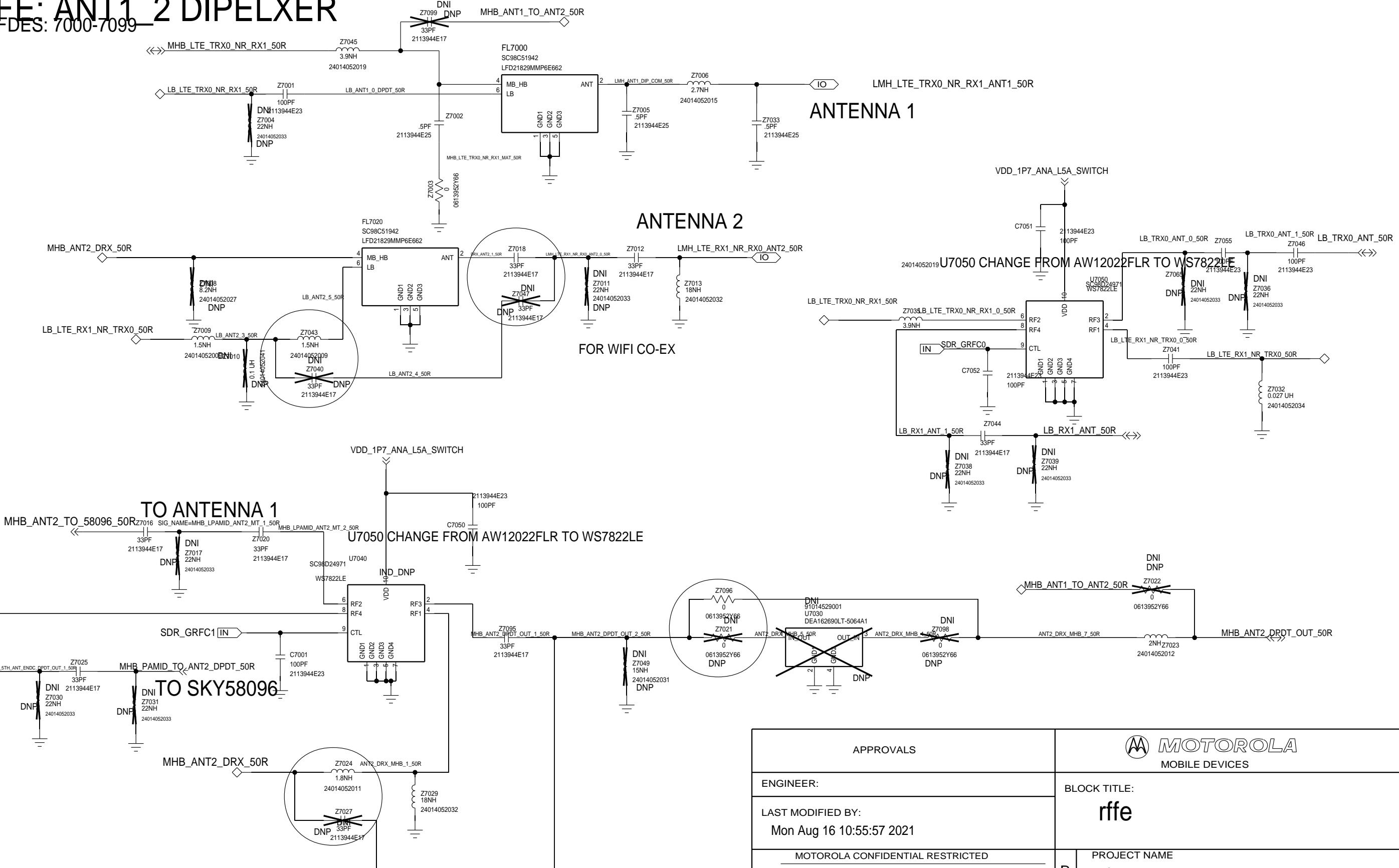
QUALCOMM RECOMMENDS PLACING BOTH THERMISTORS  
FOR FUTURE SW IMPLEMENTATION THEY ARE WORKING ON



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Mon Aug 16 10:55:57 2021		rffe	
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CAD FILE NAME:			PAGE 57 OF 83

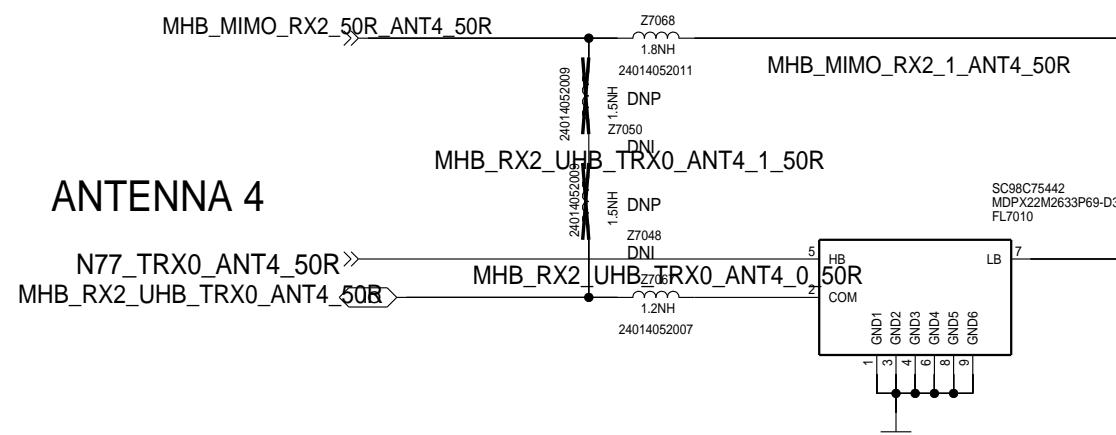
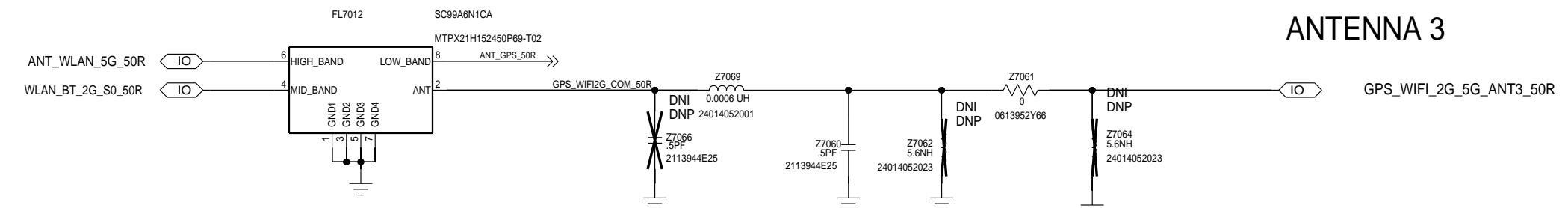
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REFDES: 7000-7099



# RFFE: ANT3\_4 DIPELXER

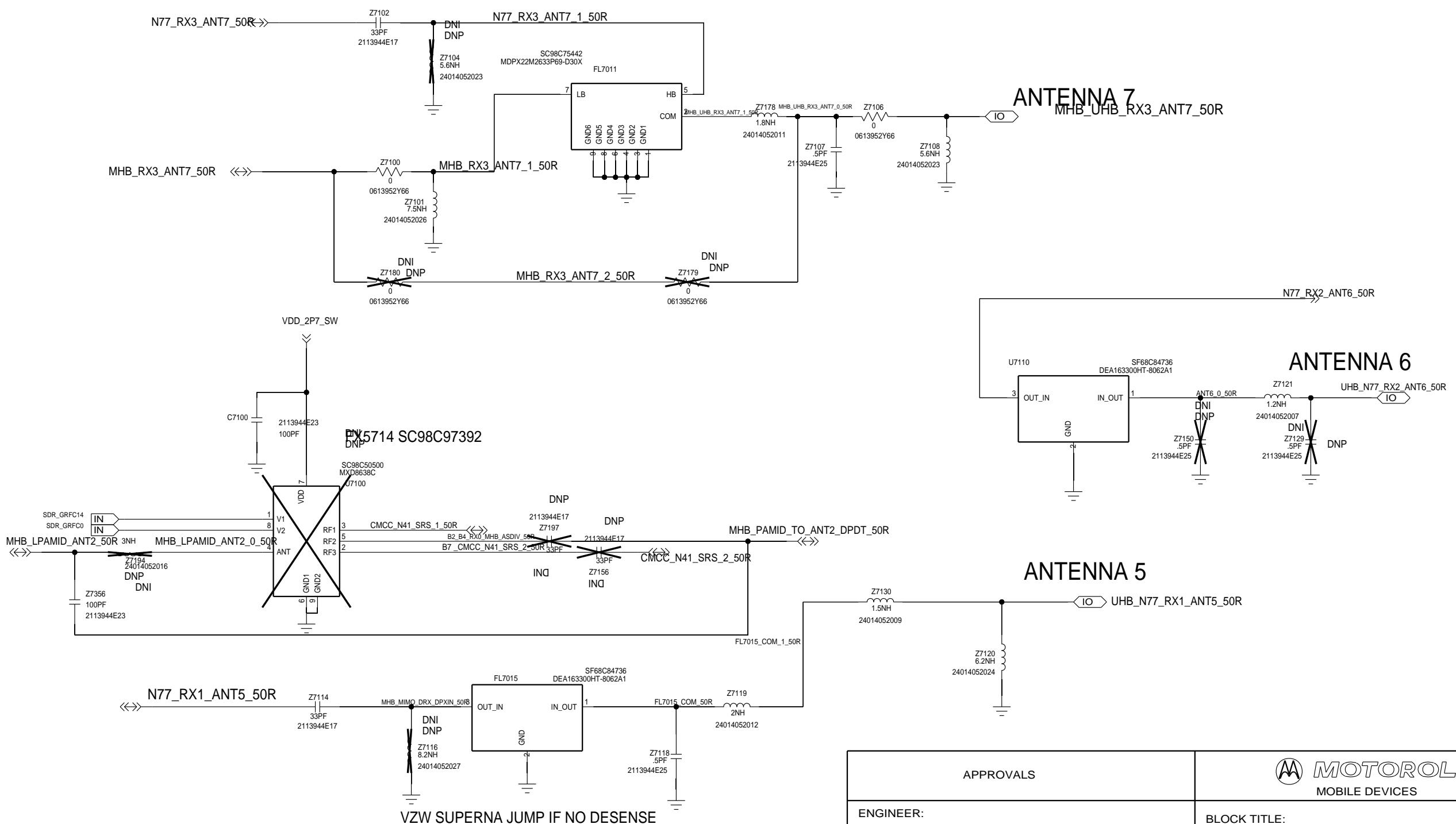
REFDES: 7000-7099



APPROVALS	MOTOROLA MOBILE DEVICES	
ENGINEER:	BLOCK TITLE: <b>rffe</b>	
LAST MODIFIED BY: Mon Aug 16 10:55:58 2021		
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CAD FILE NAME:	PAGE 59 OF 83	

# RFFE: ANT5\_6\_7 DIPLEXER

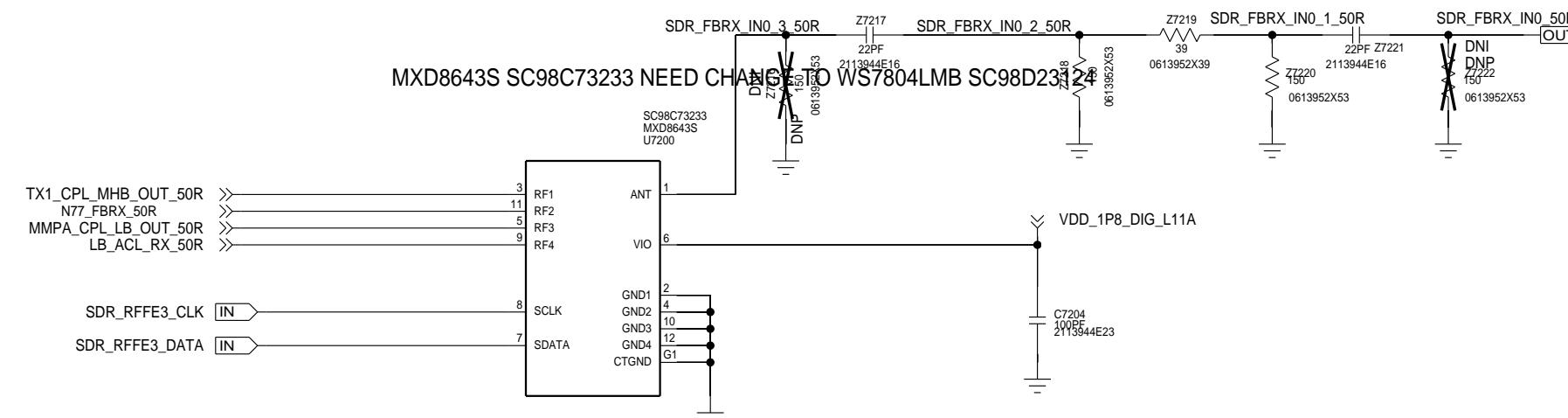
REFDES: 7100-7199



APPROVALS	MOTOROLA MOBILE DEVICES	
ENGINEER:	BLOCK TITLE:	
LAST MODIFIED BY:	rffe	
Mon Aug 16 10:55:58 2021		
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.	B corfu5g_row_sm6375.cpm	01
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# RFFE: LB\_DPDT & FBRX

REFDES: 7200-7249



APPROVALS	MOTOROLA MOBILE DEVICES	
ENGINEER:	BLOCK TITLE:	
LAST MODIFIED BY: Mon Aug 16 10:55:58 2021	rffe	
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CAD FILE NAME:	PAGE 61 OF 83	

# RFFE: QET6105 CH1

REF 8000-8150

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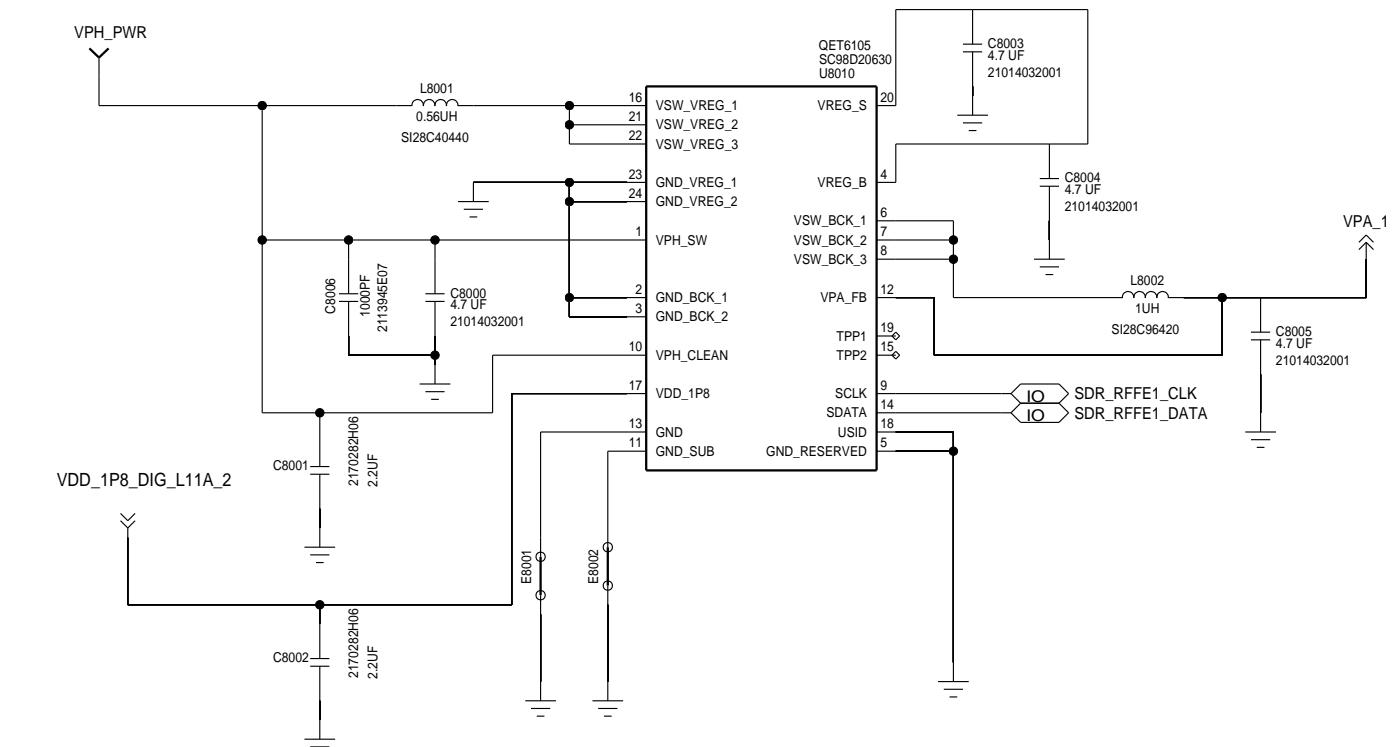
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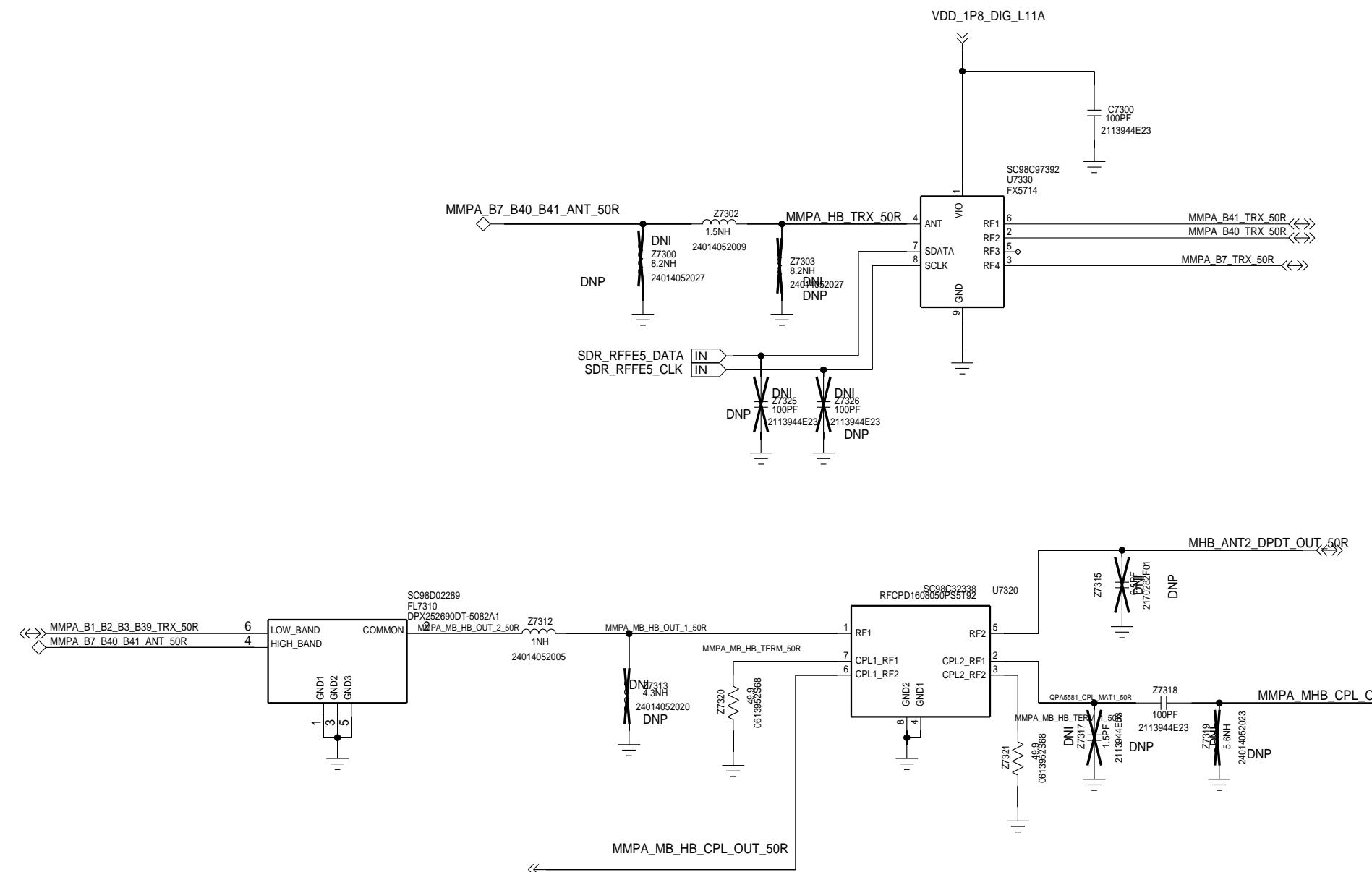
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APPROVALS	<b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER: MOTOROLA	BLOCK TITLE:	rffe
LAST MODIFIED BY: MOTOROLA Mon Aug 16 10:55:58 2021		
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	CAD FILE NAME:	PAGE 62 OF 83

# RFFE: MMPA\_SP4T\_MHB

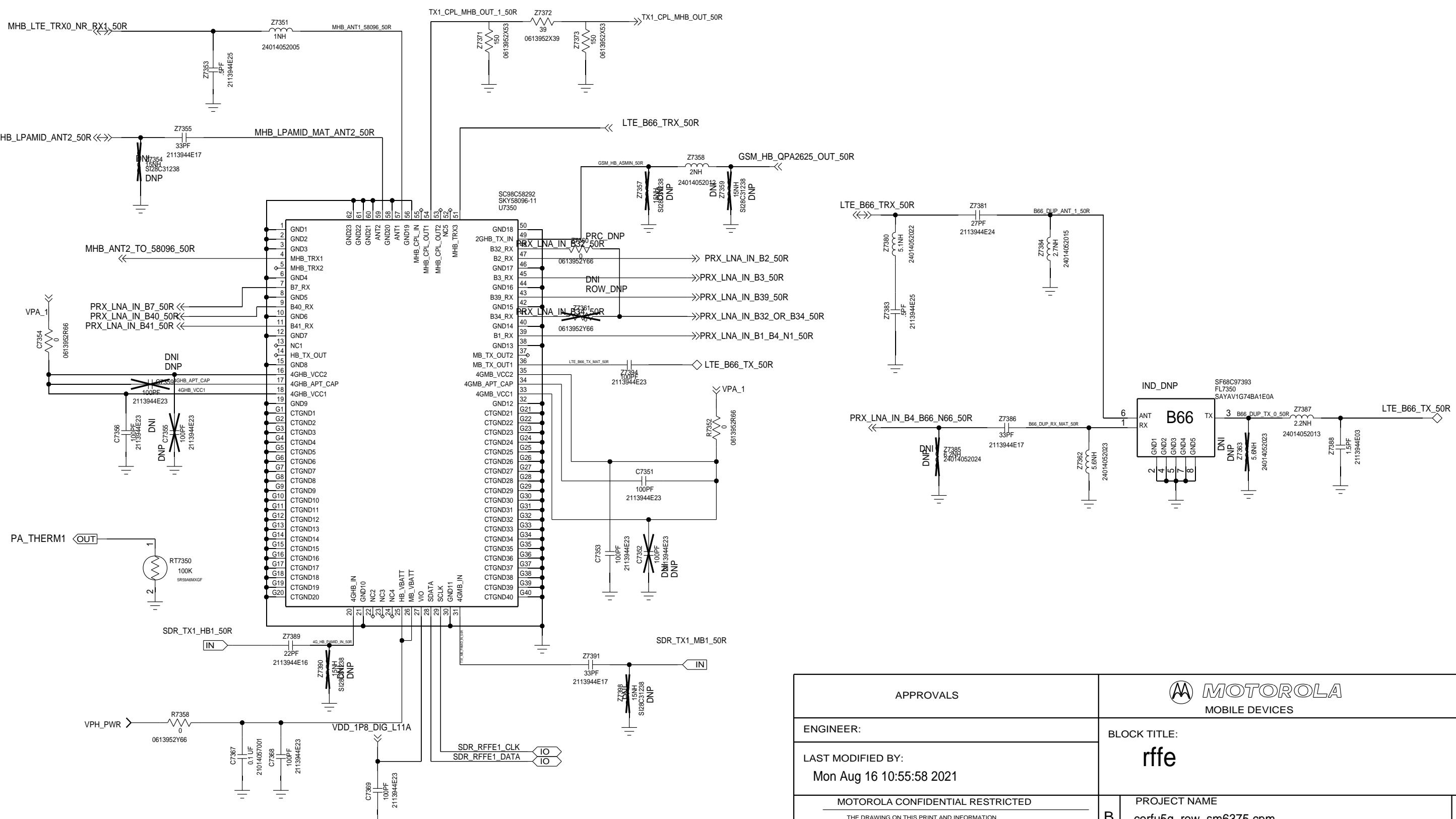
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APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER:		BLOCK TITLE:	
LAST MODIFIED BY: Mon Aug 16 10:55:58 2021		rffe	
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CAD FILE NAME:		PAGE 63 OF 83	

# RFFE: MHB\_LPAMID\_SKY58096

## REF 7350 - 7399



### APPROVALS

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Mon Aug 16 10:55:58 2021

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PROJECT NAME  
**B corfu5g\_row\_sm6375.cpm**

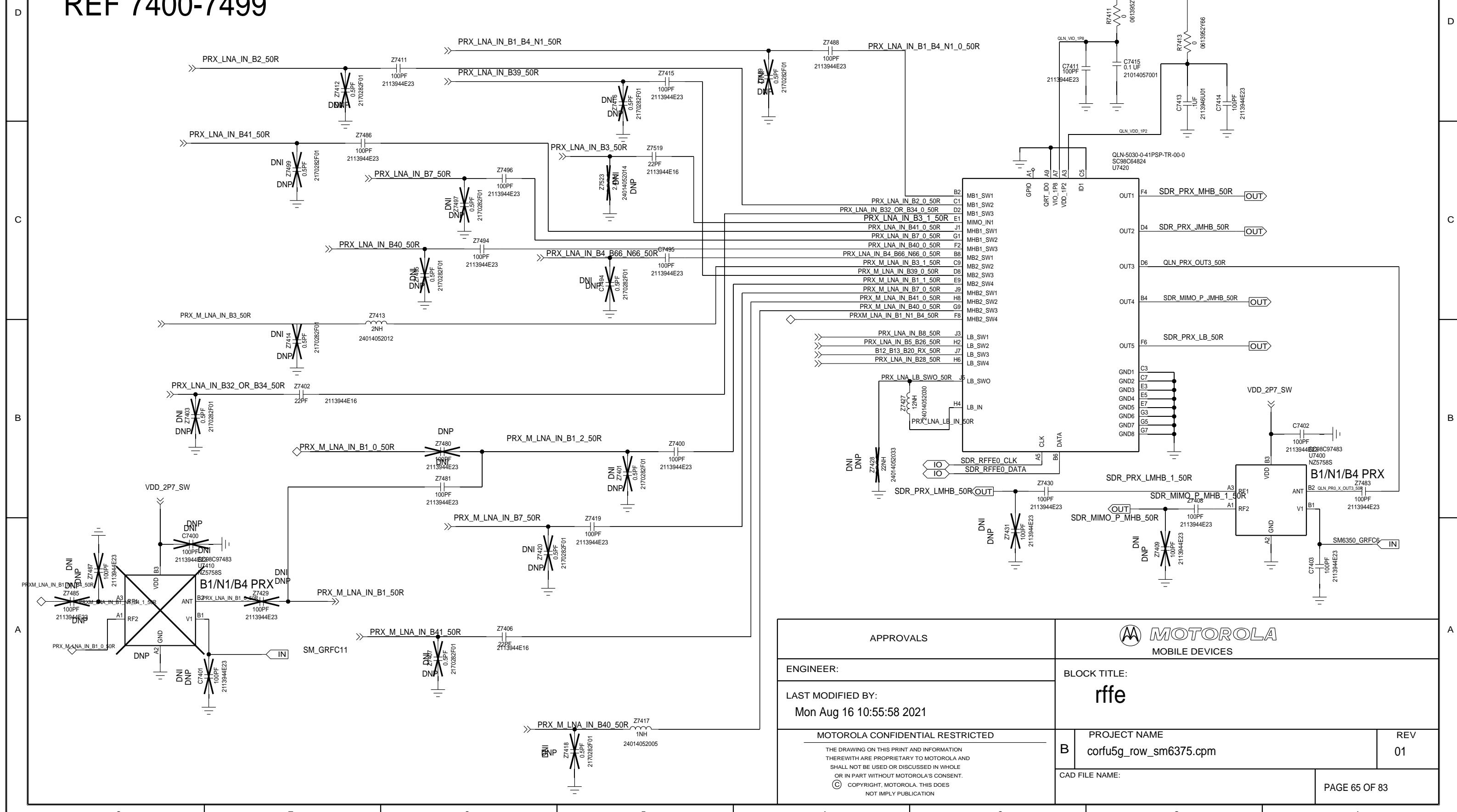
REV  
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CAD FILE NAME:

PAGE 64 OF 83

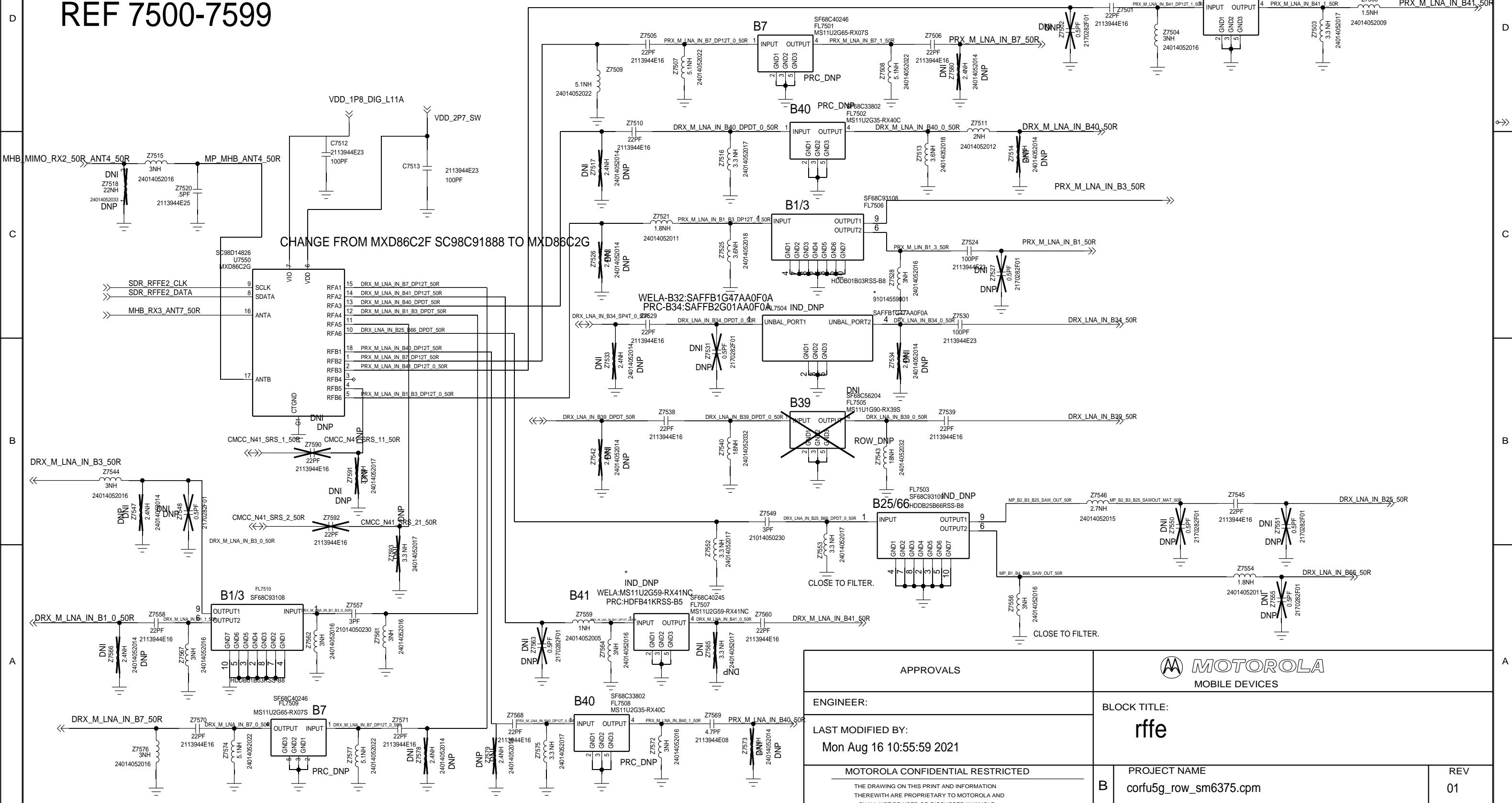
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## REF 7400-7499



# RFFE: MHB\_MIMO\_PRX\_DP12T

**REF 7500-7599**



BLOCK TITLE:

rffe

10:55:59 2021

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MOBILE DEVICES

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AGE 66 OF 83

# RFFE: MHB\_MIMO\_DRX\_QLN5030

MHB\_DRX\_MIMO

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APPROVALS	 MOTOROLA MOBILE DEVICES		
ENGINEER:	BLOCK TITLE:		
LAST MODIFIED BY: Fri Aug 14 18:22:26 2020	rffe		
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	B corfu5g_row_sm6375.cpm	01	PAGE 67 OF 83
	CAD FILE NAME:		

# RFFE: MHB\_MIMO\_DRX\_FILTER

MHB\_DRX\_MIMO

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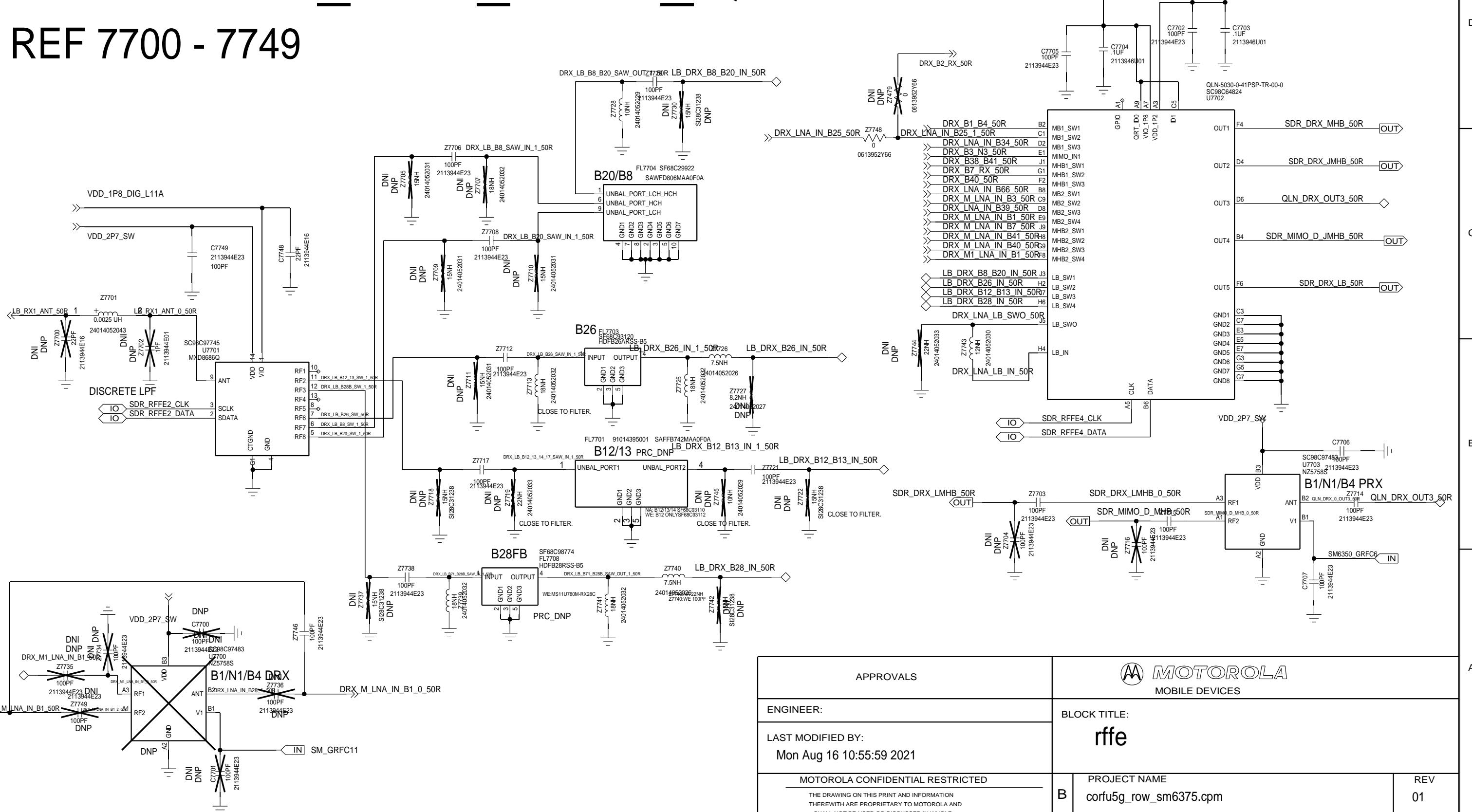
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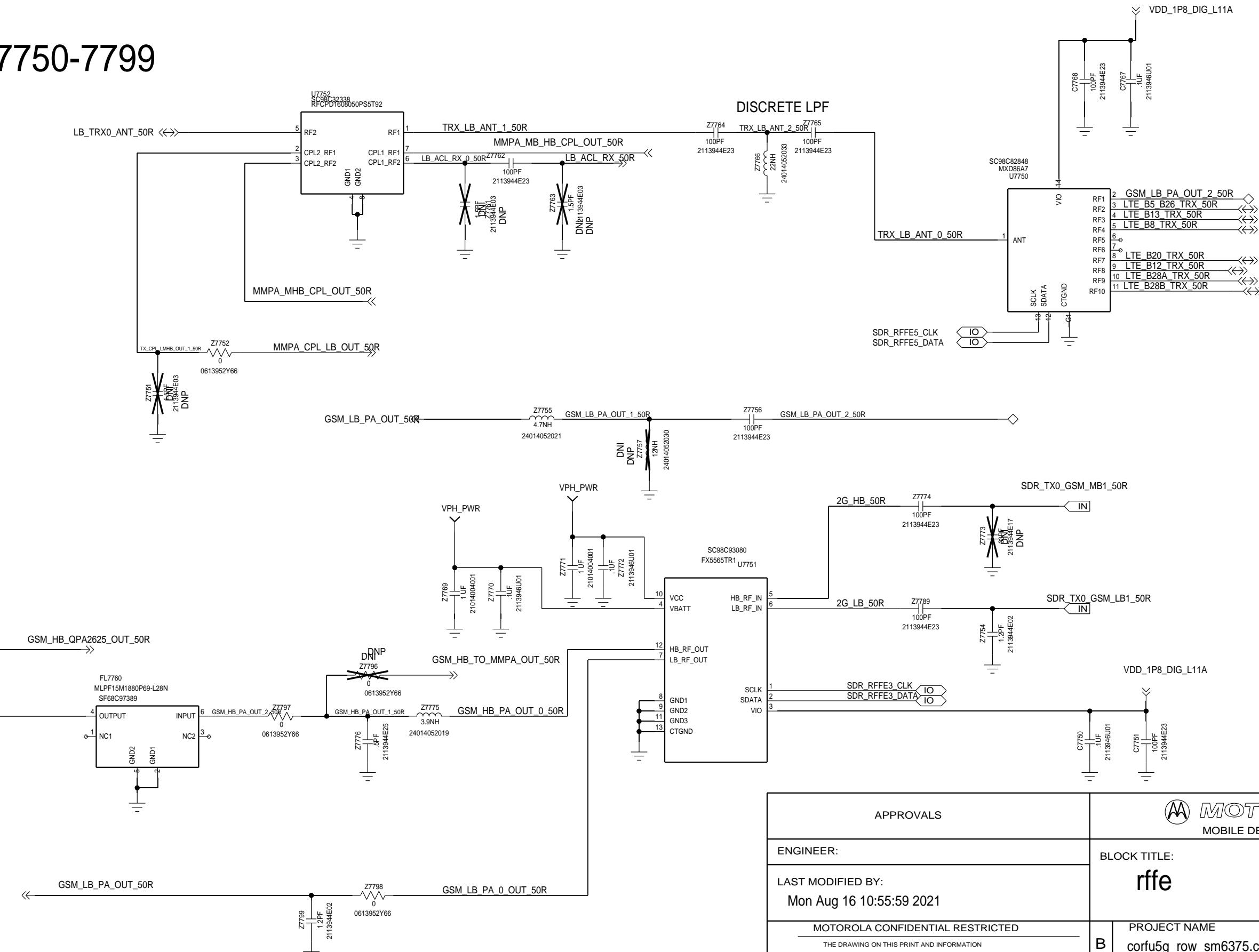
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LAST MODIFIED BY: Fri Aug 14 18:22:25 2020	rffe		
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	B corfu5g_row_sm6375.cpm	01	PAGE 68 OF 83
CAD FILE NAME:		PAGE 68 OF 83	

# RFFE: DRX\_LMH\_SP8T\_QLN5030

REF 7700 - 7749



**REF 7750-7799**



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BLOCK TITLE

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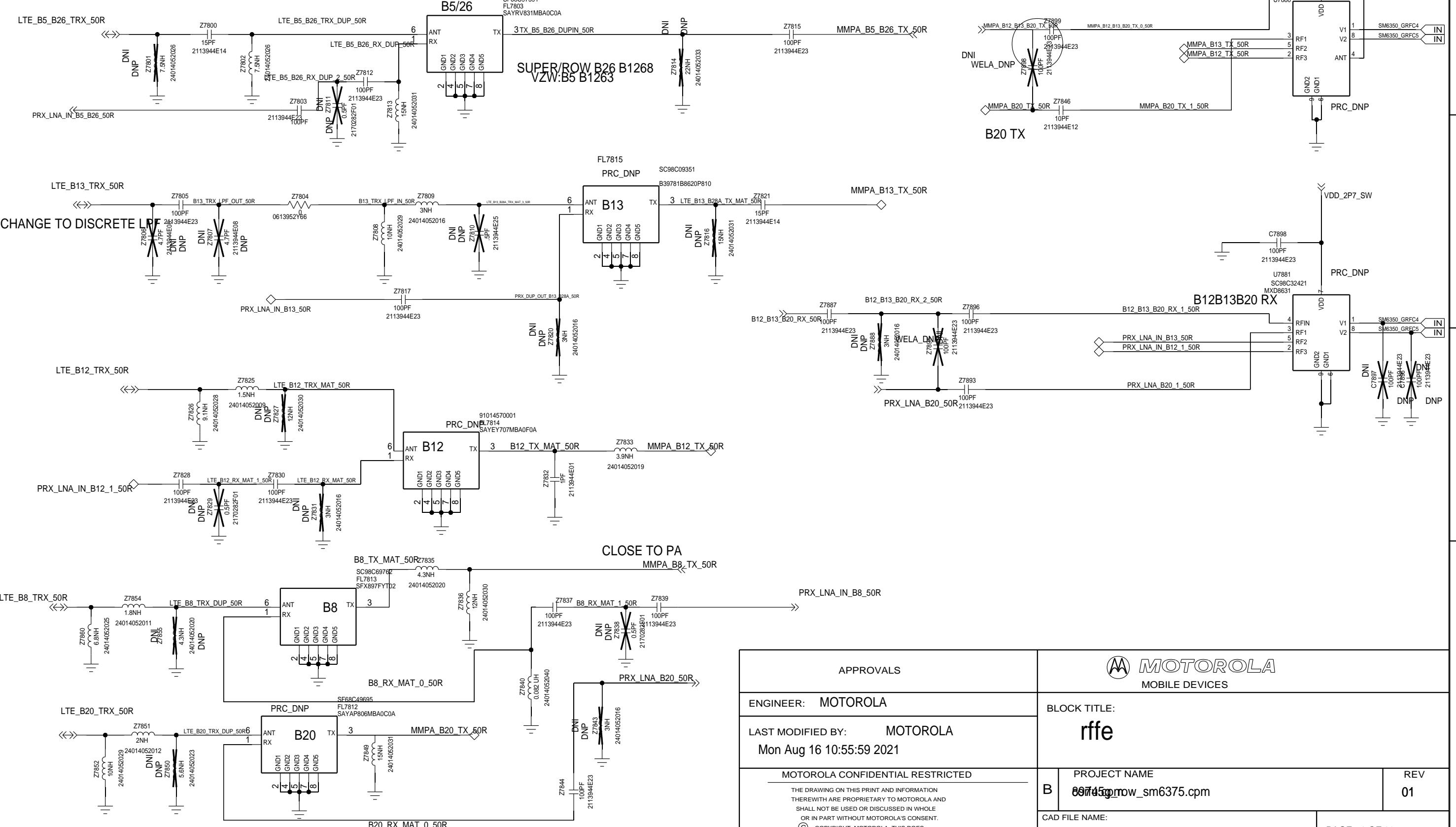
**B** PROJECT NAME  
corfu5g row sm6375.cpr

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PAGE 70 OF 83

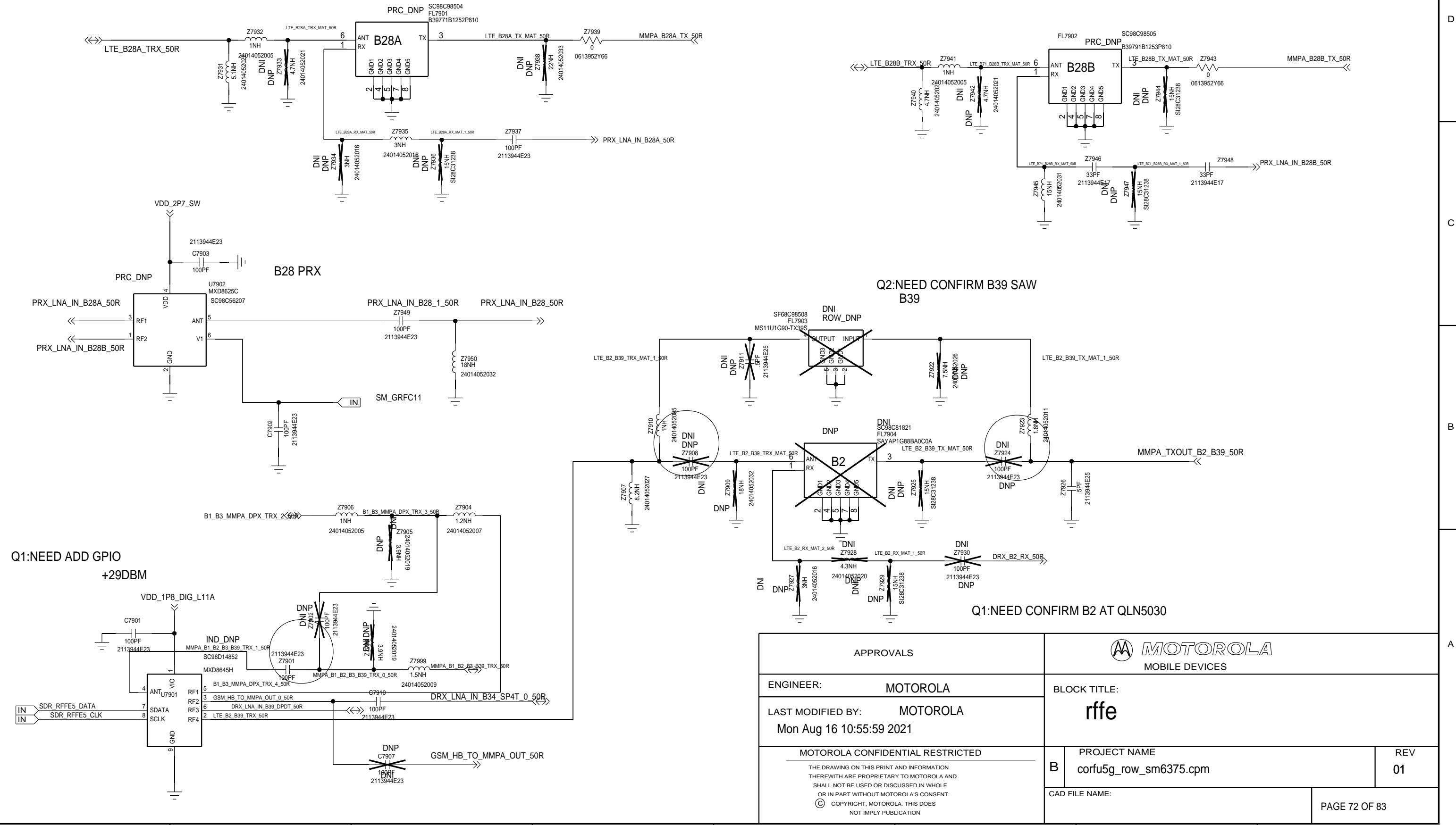
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REFDES: 7800-7899



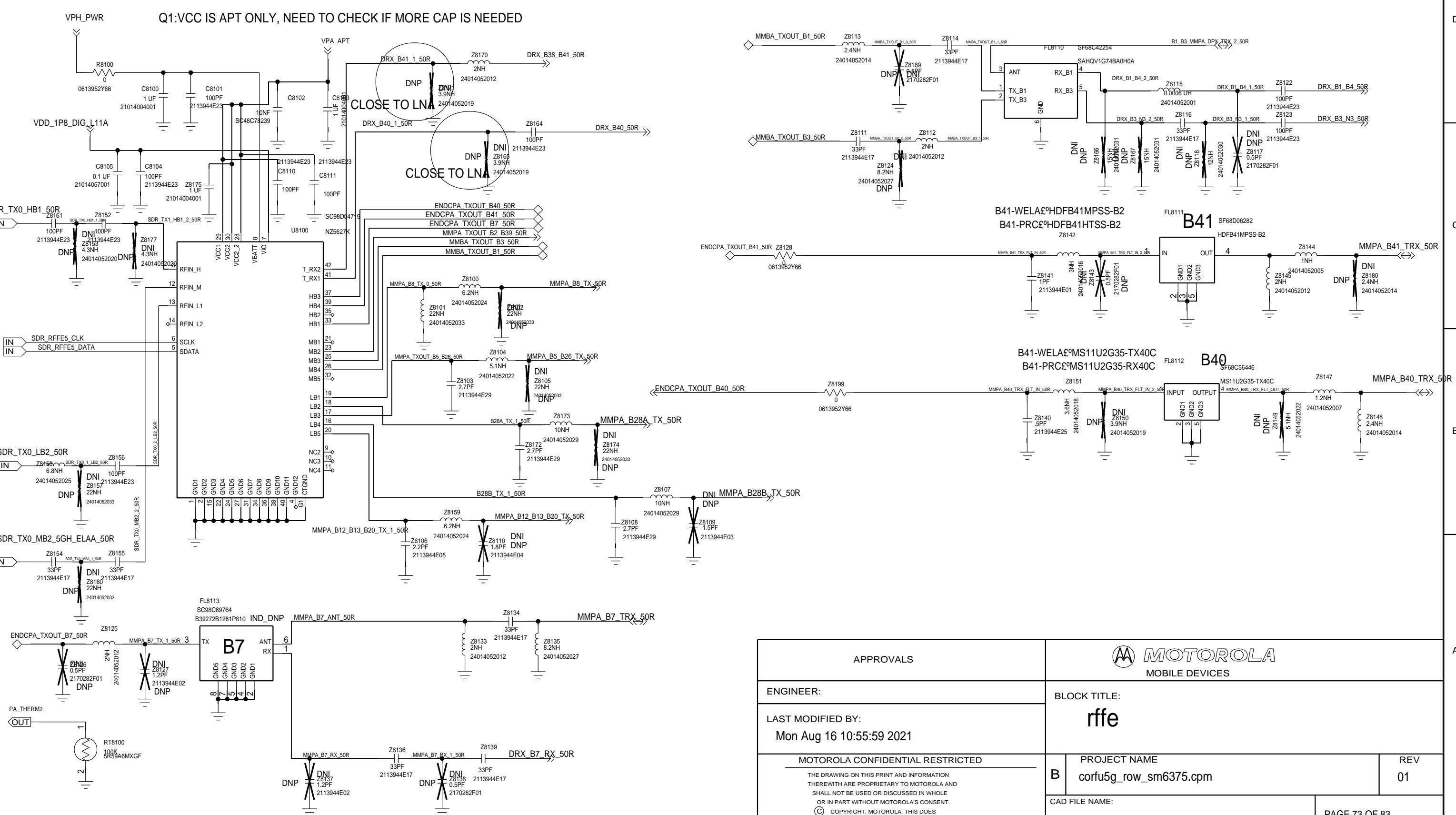
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REF 7900-7999



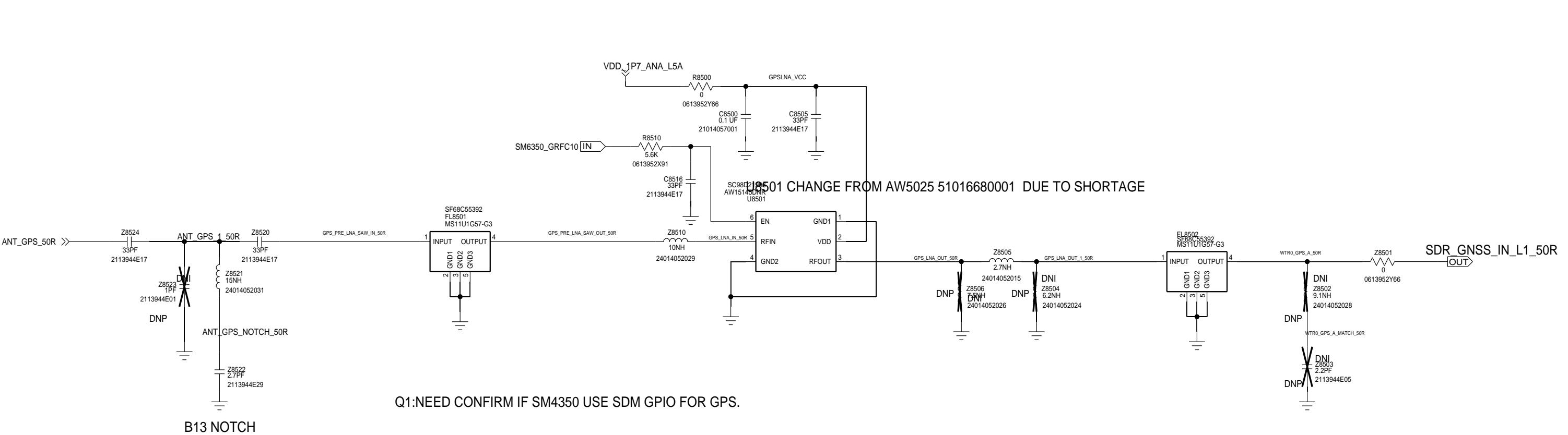
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REFDES: 8100-8199



# RFFE: GPS

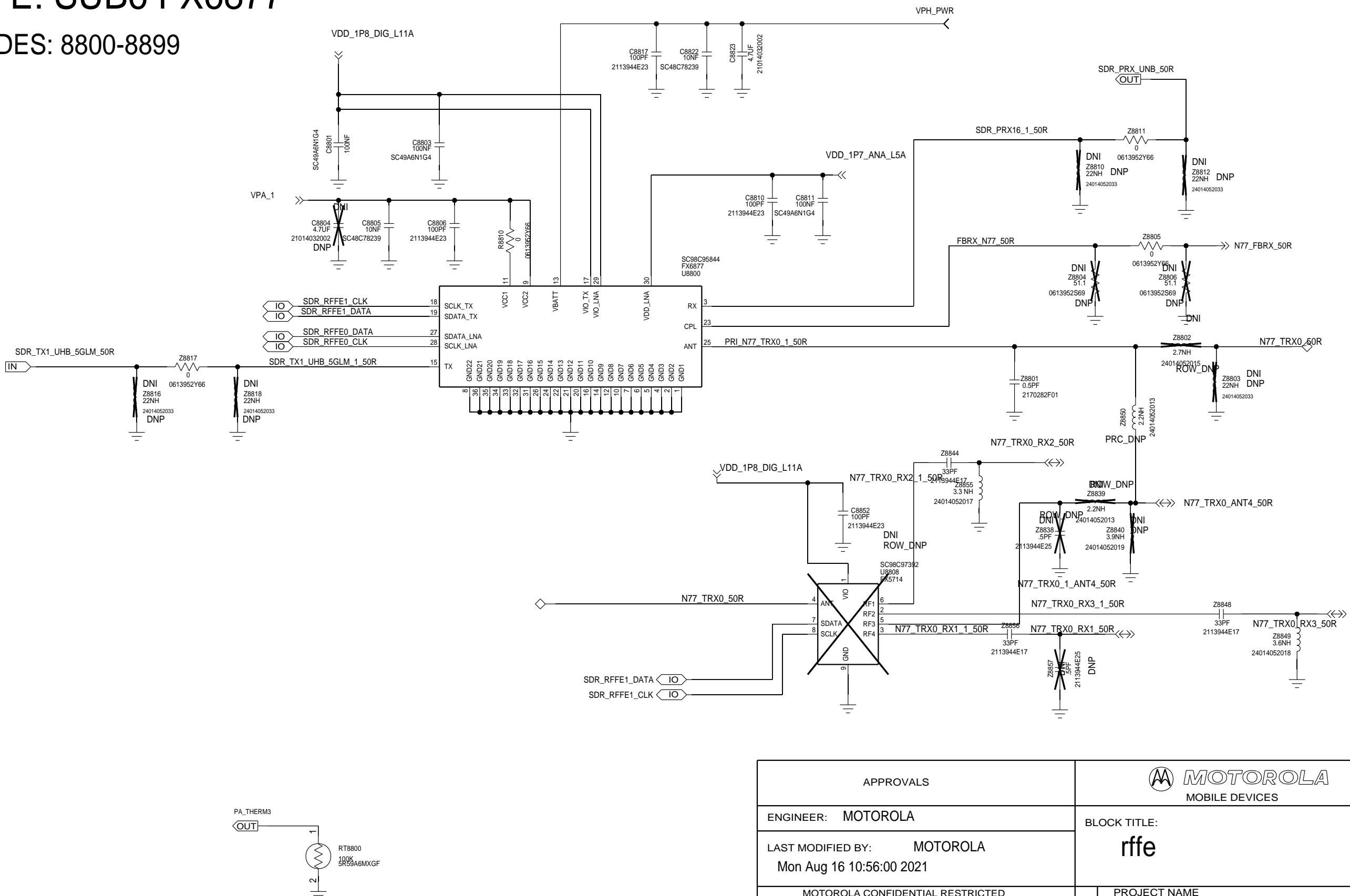
REF 8500-8599



APPROVALS		MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: Mon Aug 16 10:55:59 2021		rffe	
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CAD FILE NAME:		PAGE 74 OF 83	

# RFFE: SUB6 FX6877

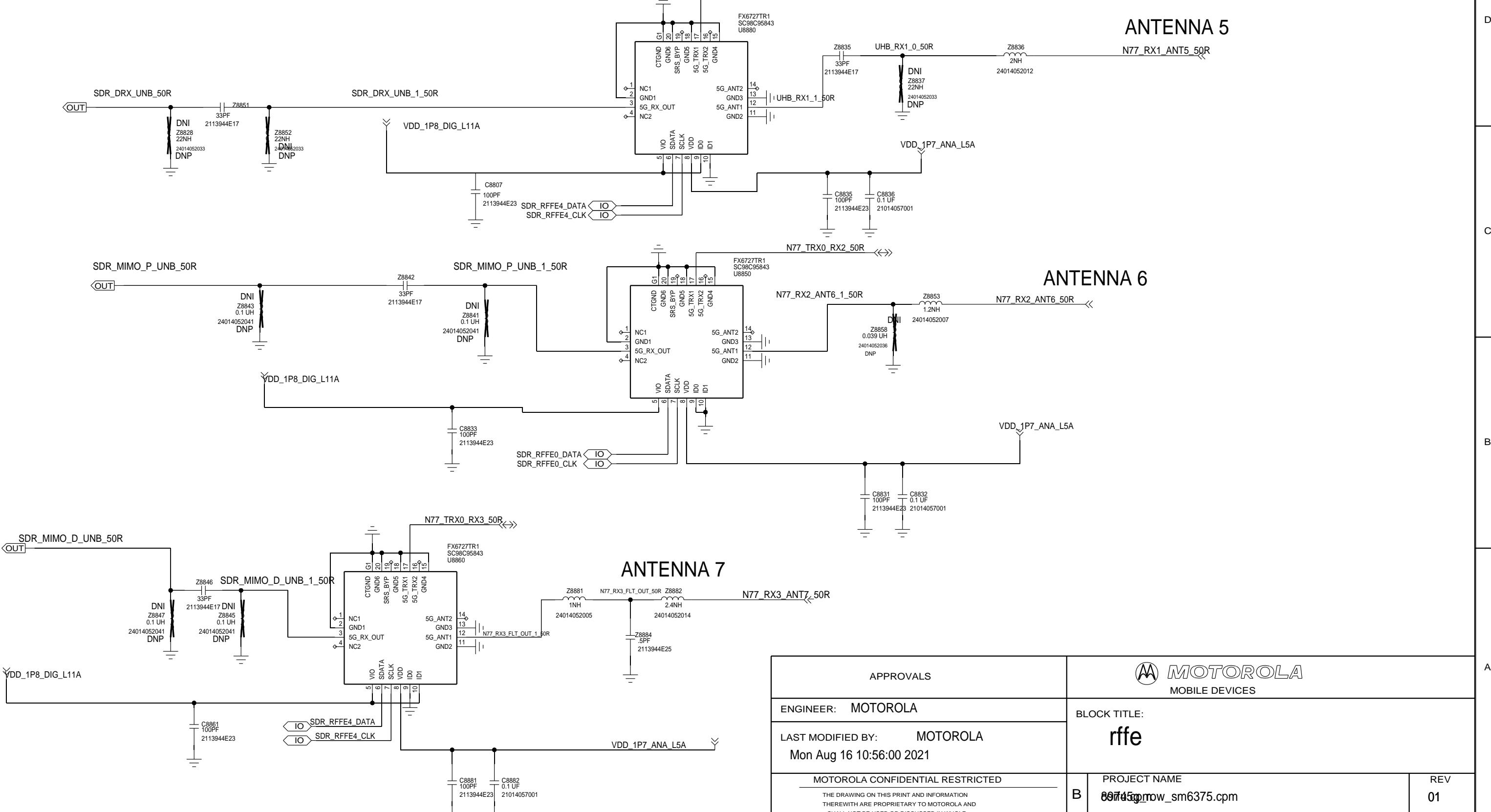
REFDES: 8800-8899



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Mon Aug 16 10:56:00 2021		rffe	
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CAD FILE NAME:			PAGE 75 OF 83

# RFFE: SUB6 FX6727

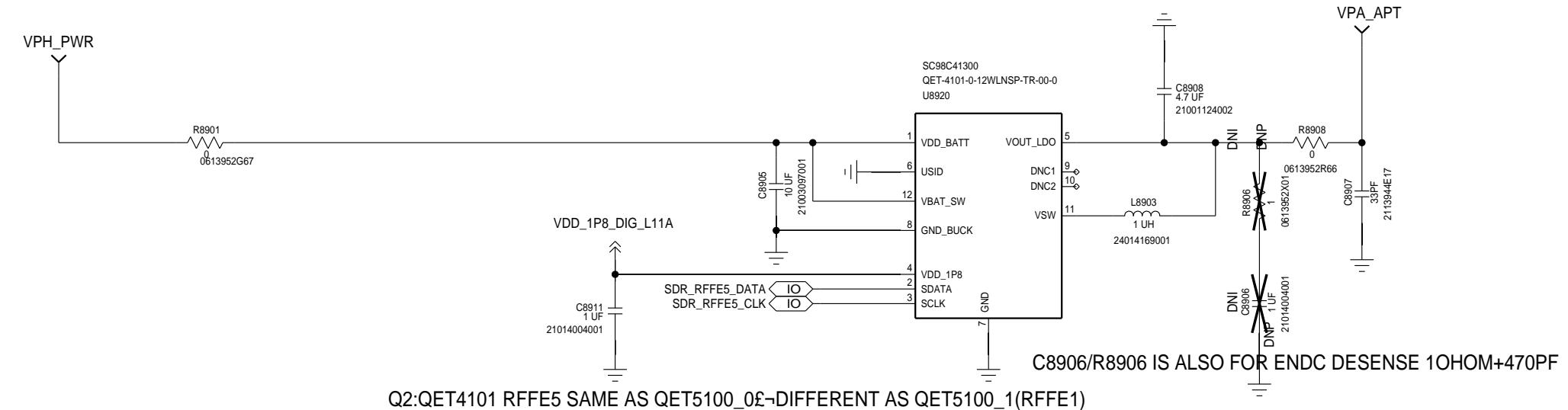
REFDES: 8830-8899



# QET4101

REFDES: 8900-8910

Q1: NEED ADD BLOCK INPUT AFTER CONFIRM PORT WITH BB.



APPROVALS	MOTOROLA MOBILE DEVICES	
ENGINEER:	BLOCK TITLE:	
LAST MODIFIED BY: Mon Aug 16 10:56:00 2021	rffe	
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CAD FILE NAME:		PAGE 77 OF 83

# SMR526: PWR

REFDES: 8910-8940

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APPROVALS	 MOTOROLA MOBILE DEVICES	
ENGINEER:	BLOCK TITLE:  <b>rffe</b>	
LAST MODIFIED BY:  Tue Aug 11 20:15:52 2020		
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	CAD FILE NAME:  <b>PAGE 78 OF 83</b>	

# QTM525: CONNECTORS

REFDES: 8940-8950

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APPROVALS	 <b>MOTOROLA</b> MOBILE DEVICES	
ENGINEER:	BLOCK TITLE:	
LAST MODIFIED BY: Tue Aug 11 20:15:26 2020	<b>rffe</b>	
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	CAD FILE NAME: 	PAGE 79 OF 83

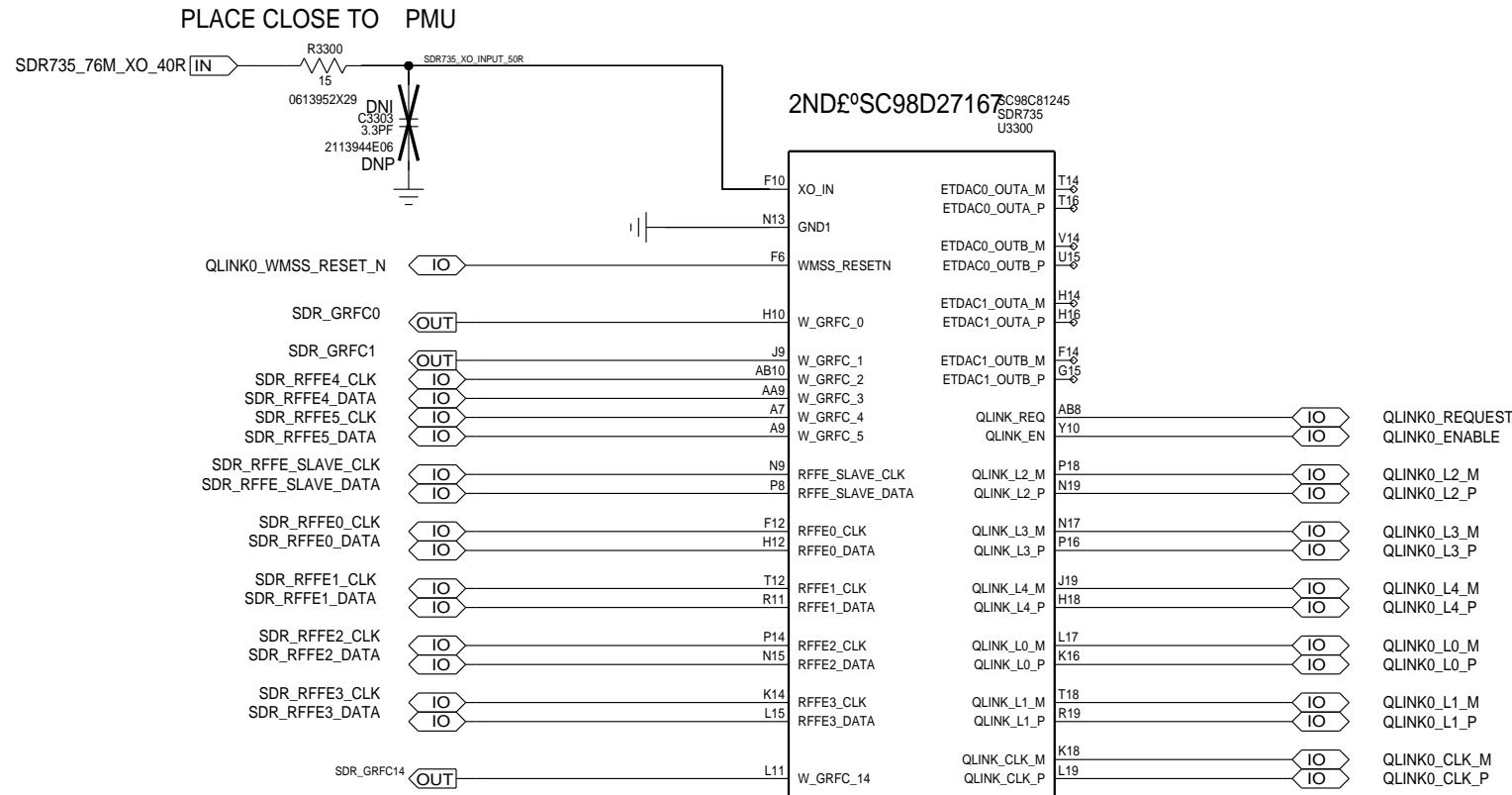
# SDR735: CTRL / QLINK

REFDES: 3300-3399

NOTE: CONTROLLED IMPEDANCE FOR XO LINE MUST BE BETWEEN 30 OHM AND 50OHM  
LOW IMPEDANCE IS PREFERRED.

THE SERIES PLACEHOLDER MUST BE A 0 OHM RESISTOR SINCE THE XO SIGNAL CARRIES A DC BIAS TO THE XO\_IN INPUT.  
DO NOT SHUNT THE CAPACITOR ON THE XO\_IN TRACE.

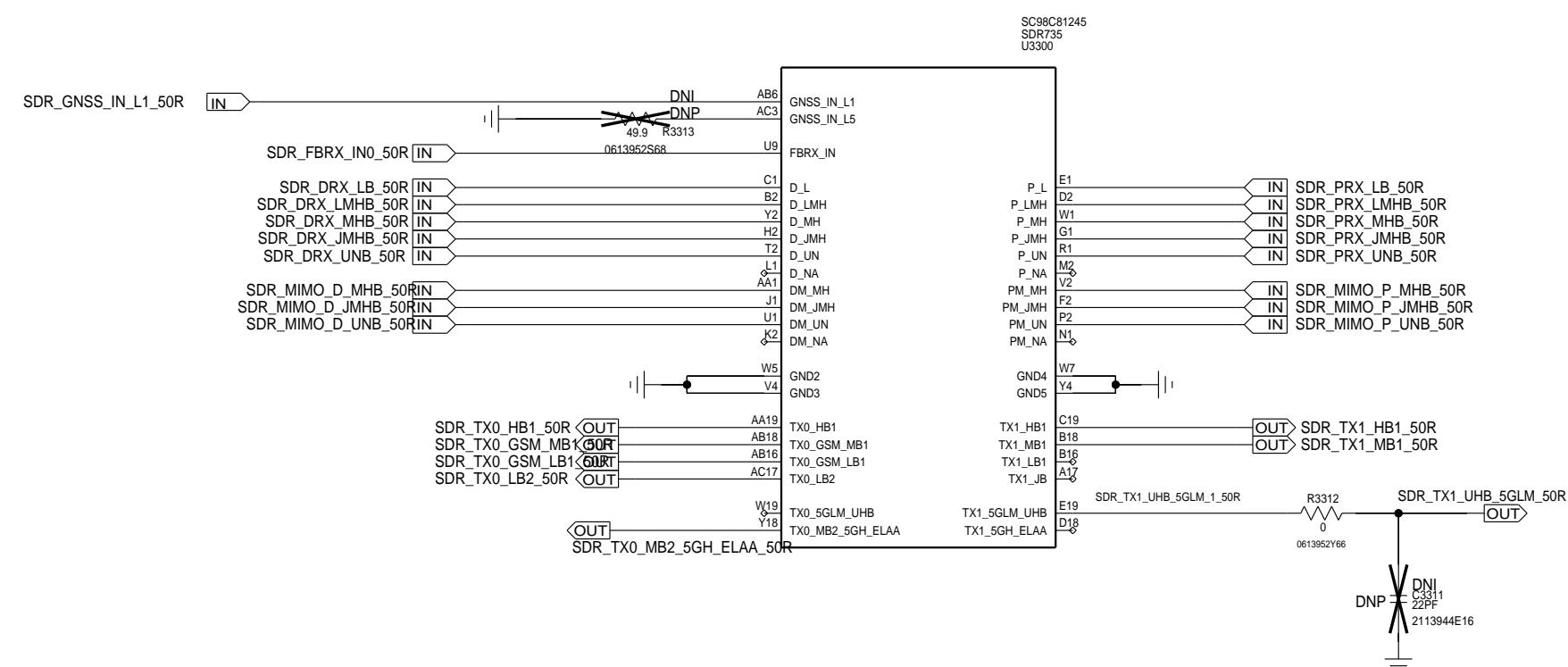
ROUTE EACH QLINK PAIR  
IN A CHANNEL TOGETHER  
ISOLATED FROM OTHER  
QLINK PAIRS WITH GROUND



APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:  rf_sdr735	
LAST MODIFIED BY: MOTOROLA Mon Aug 16 12:18:38 2021			
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CAD FILE NAME:			PAGE 80 OF 83

# SDR735: TX & RX

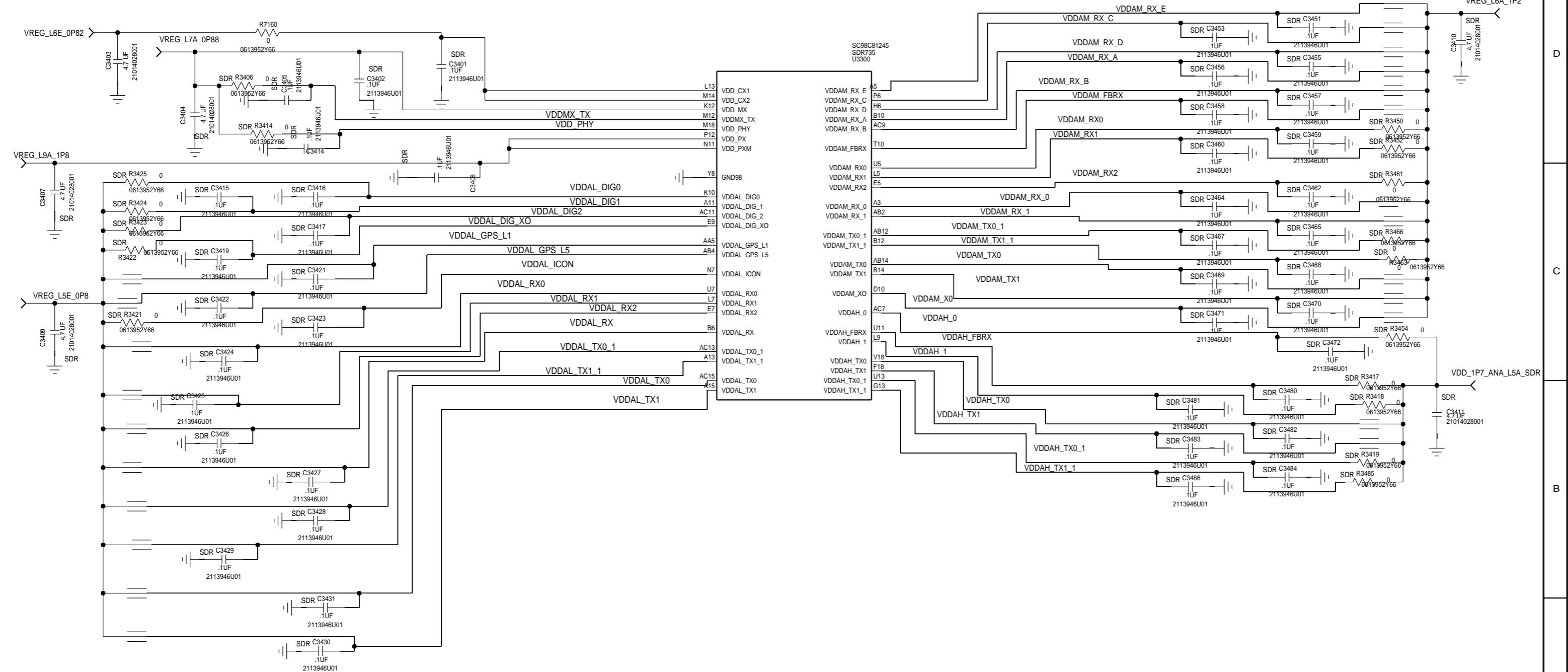
REFDES: 3300-3399



APPROVALS	MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA	BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Tue Jun 15 12:56:06 2021	rf_sdr735	
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CAD FILE NAME:		PAGE 81 OF 83

# SDR735: PWR

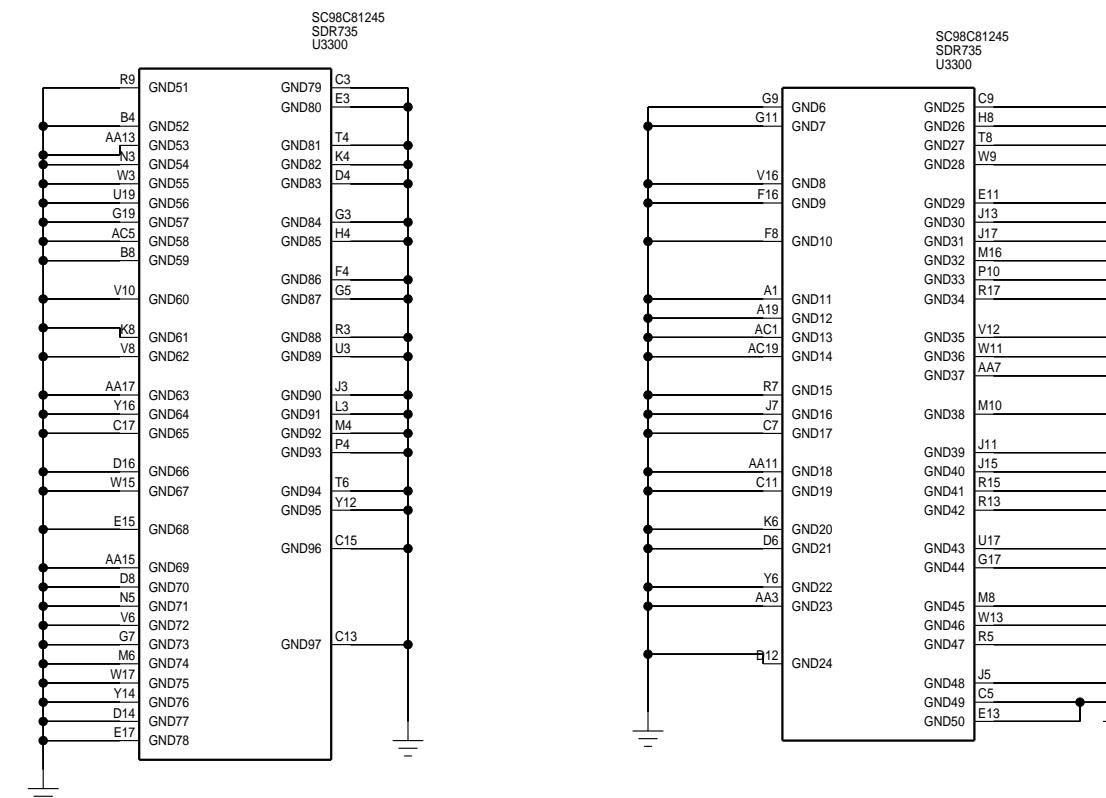
REFDES: 3400-3499



APPROVALS		 <b>MOTOROLA</b> MOBILE DEVICES		
ENGINEER: MOTOROLA		BLOCK TITLE: <b>rf_sdr735</b>		
LAST MODIFIED BY: MOTOROLA Tue Jul 06 14:12:36 2021				
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		CAD FILE NAME:		PAGE 82 OF 83

# SDR735 GND

REFDES: 3300-3399



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