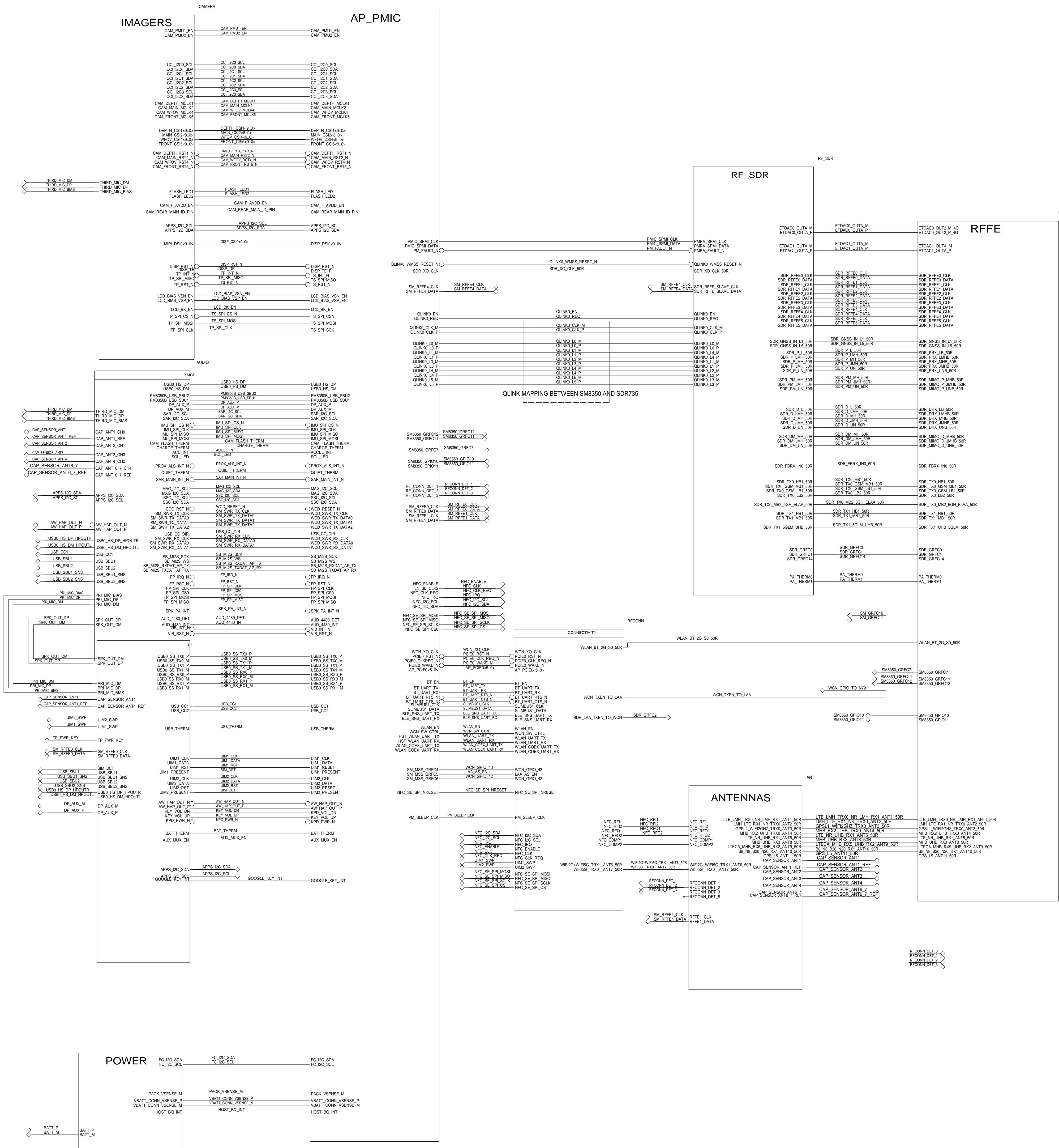


YUKON_SM8350

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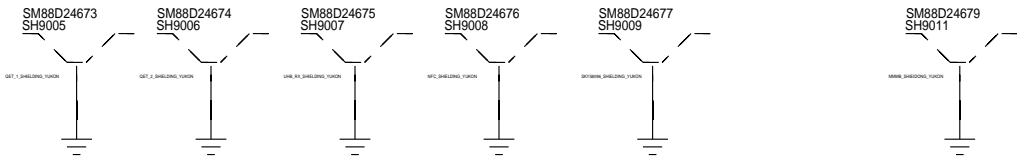
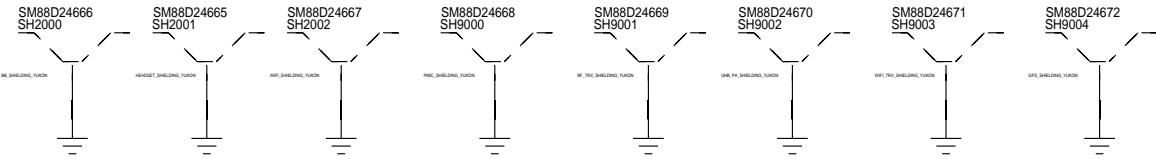
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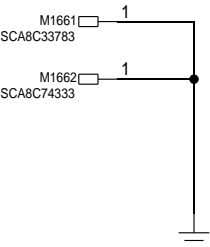
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ME/SHIELDS/TEST POINT

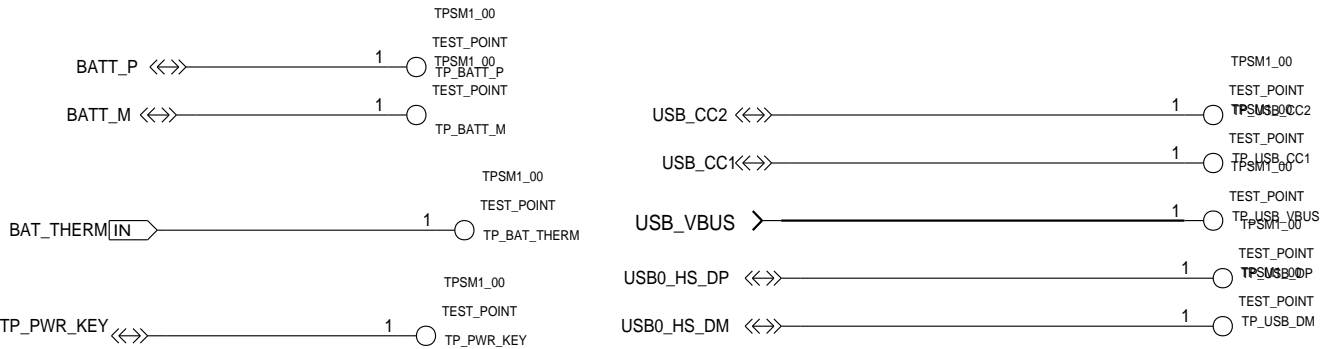
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GROUND CONTACTS
CABLE CLIP

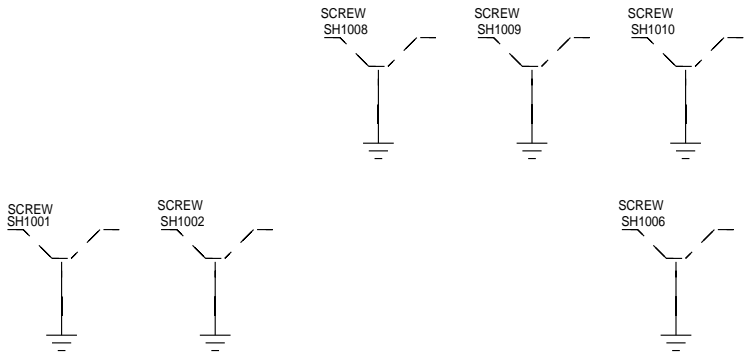



TEST POINT FOR FACTORY



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SCREW

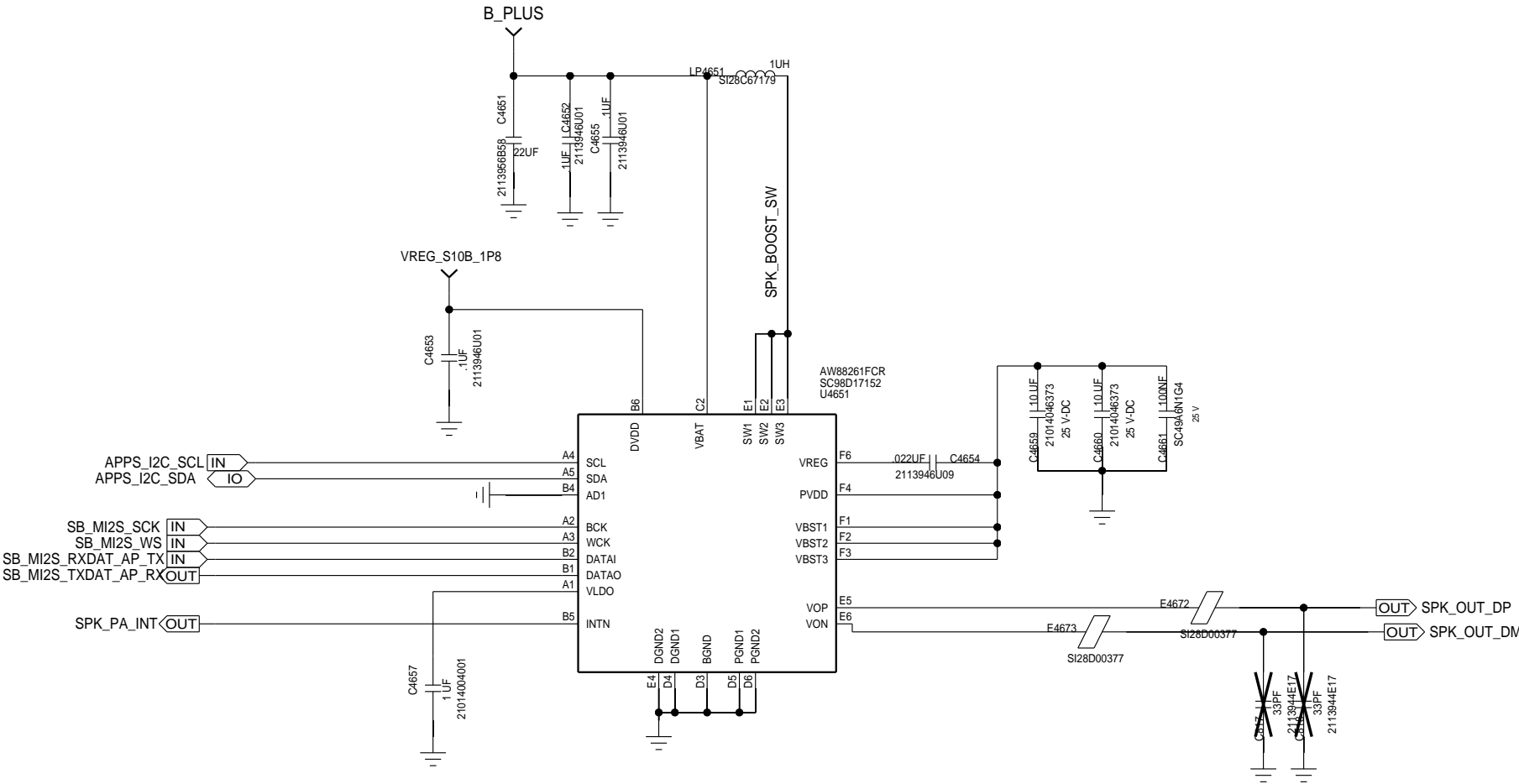


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		REV 01	
		PAGE 2 OF 90	

AUDIO: SMART BOOST

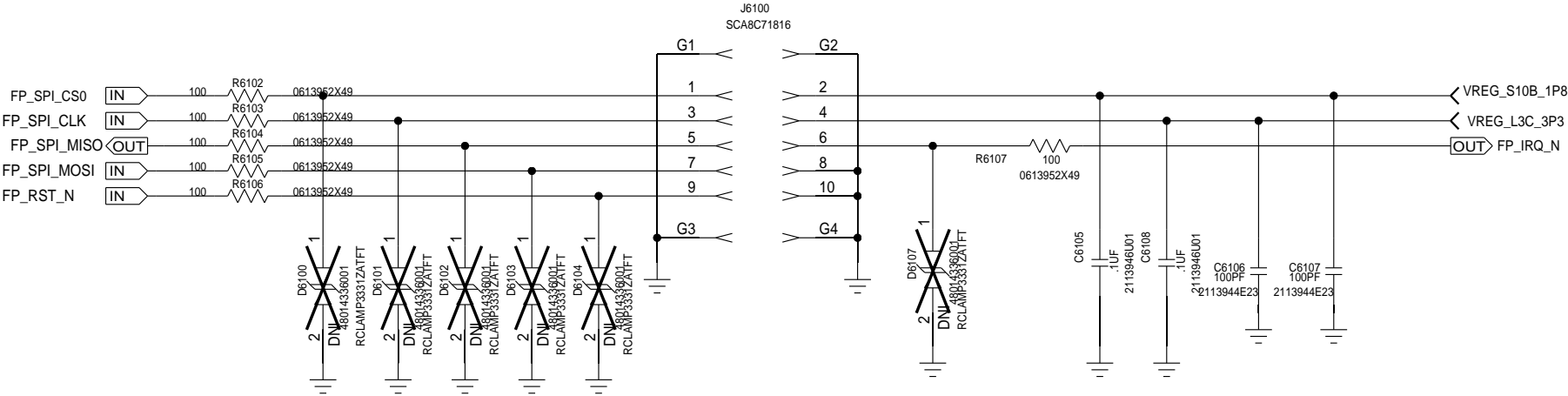
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LAST MODIFIED BY: MOTOROLA						
Tue Jul 27 10:47:35 2021						



SENSORS£° FPS

REF: 6100-6199



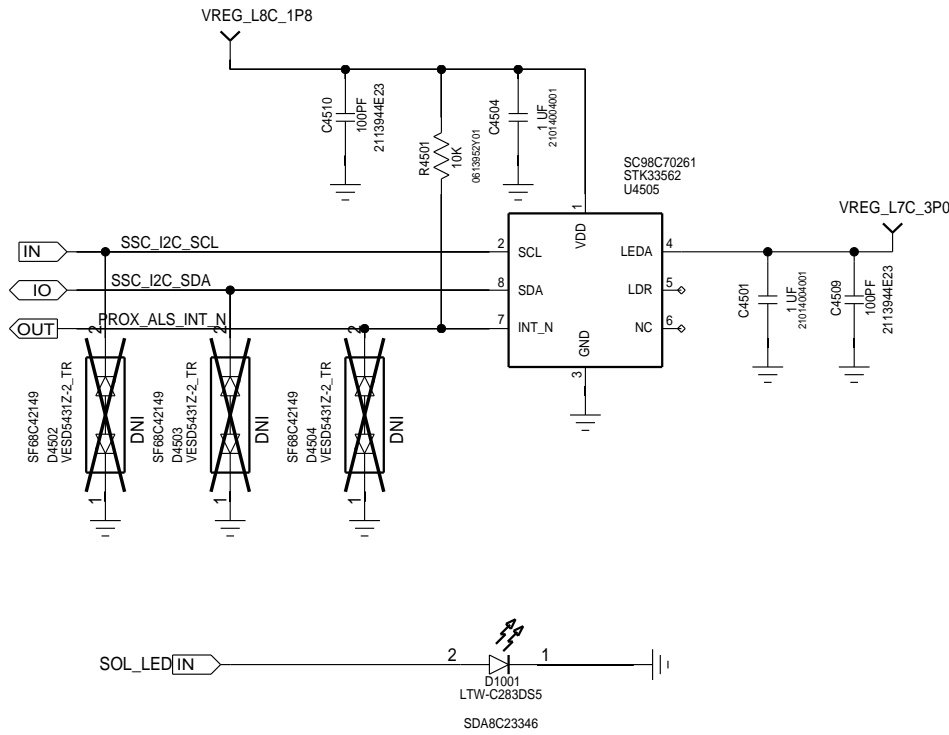
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SENSORS⁰ MOTION

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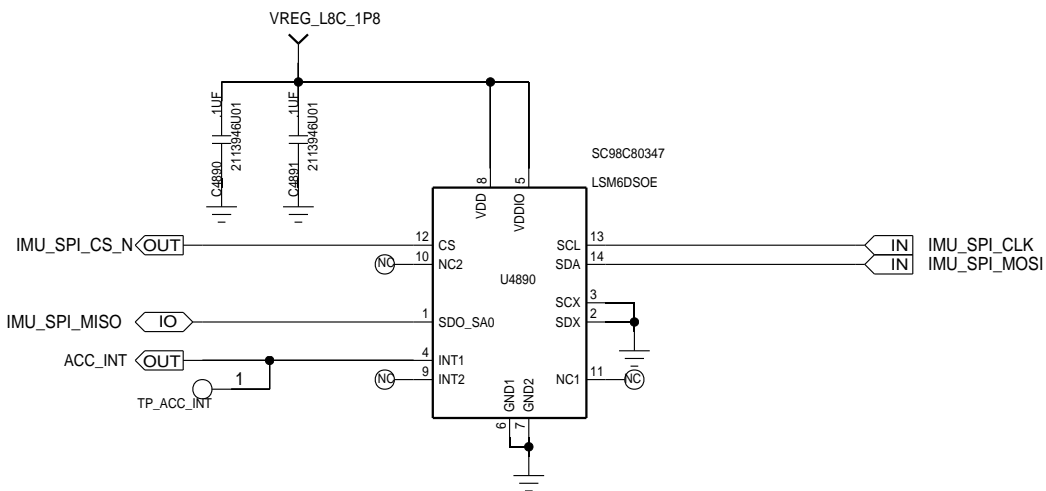
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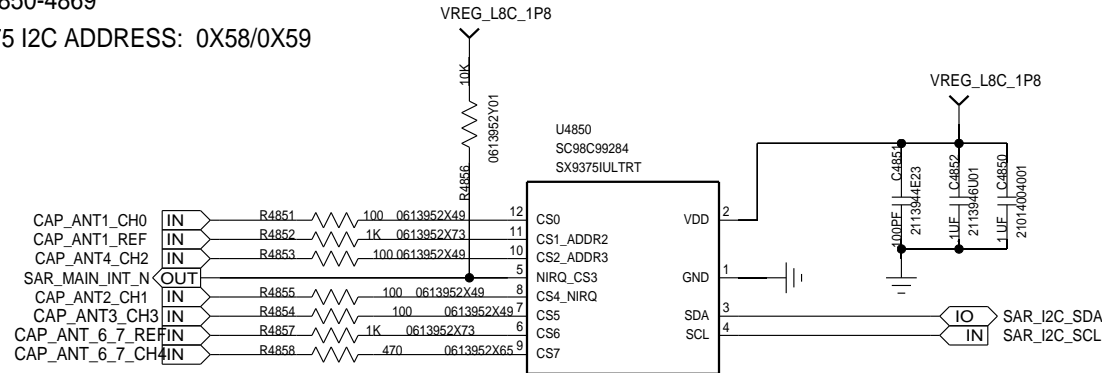


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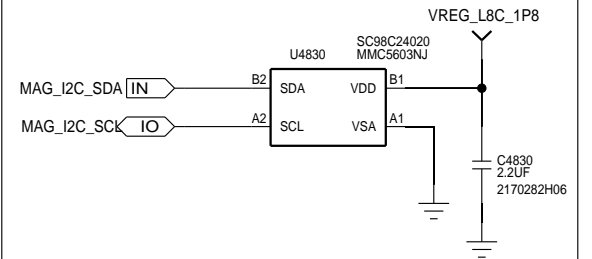
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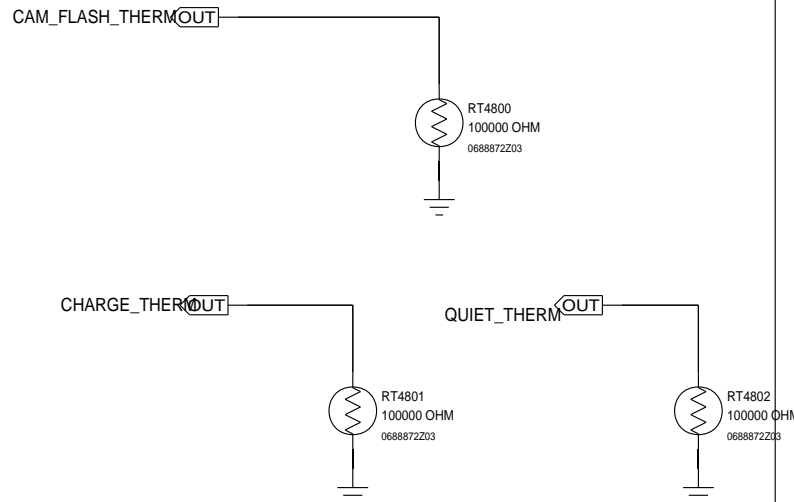
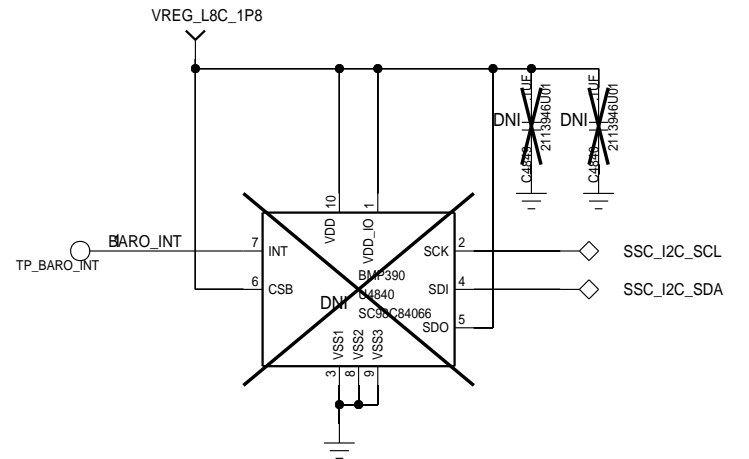
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AK09919C I2C ADDRESS: 0X1C/0X1D



BAROMETER
REF:4840-4849



APPROVALS

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PROJECT NAME
yukon_mb_pvt_20210901.cpm

REV
01

CAD FILE NAME:

PAGE 8 OF 90

ANT: PORTS

REFDES: 000 - 499

SUPPLIES

VREG_S10B_1P8 >===== >> TUNER_VIO

VERIFY POWER SUPPLIES TP PMIC

INPUTS /OUTPUTS - RF_CON_DET

OUT RFCONN_DET_1

OUT RFCONN_DET_2

OUT RFCONN_DET_3

OUT RFCONN_DET_8

CAP_SENSE

OUT CAP_SENSOR_ANT1

OUT CAP_SENSOR_ANT1_REF

OUT CAP_SENSOR_ANT2

OUT CAP_SENSOR_ANT3

OUT CAP_SENSOR_ANT4

OUT CAP_SENSOR_ANT6_7

OUT CAP_SENSOR_ANT6_7_REF

INTERFACE MIPI

IO RFFE1_CLK >>>

IO RFFE1_DATA >>>

APPROVALS

ENGINEER: MOTOROLA

LAST MODIFIED BY: MOTOROLA

Tue Sep 14 16:38:28 2021

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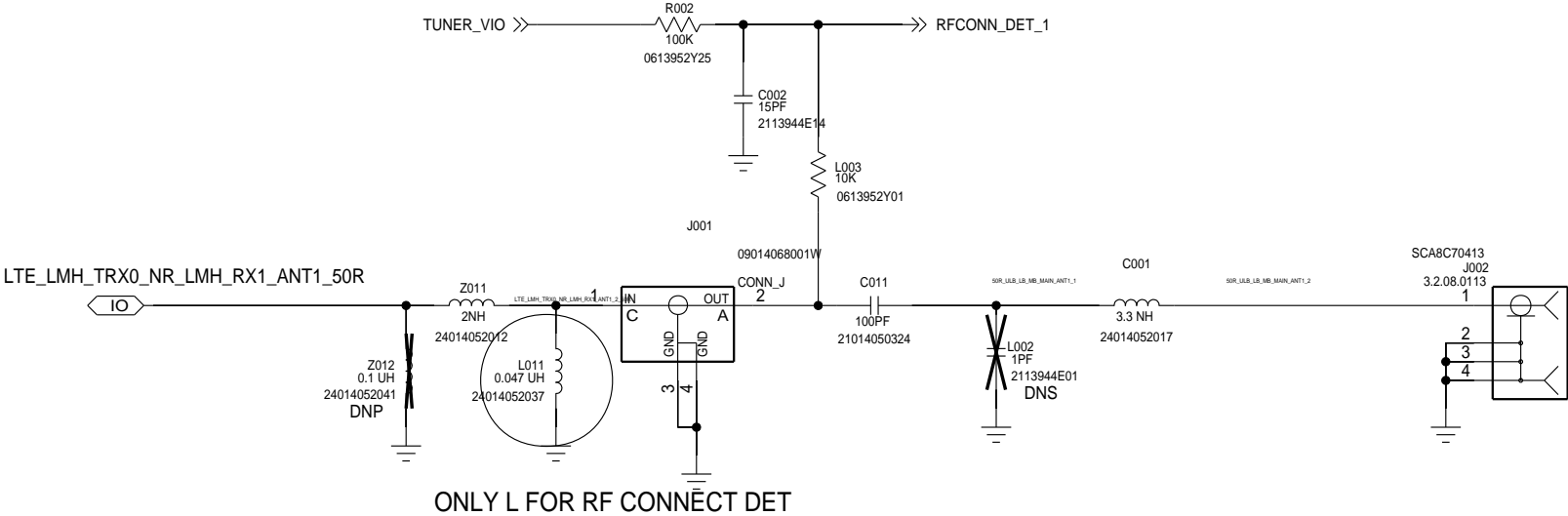
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B	PROJECT NAME	REV
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CAD FILE NAME:	PAGE 9 OF 90
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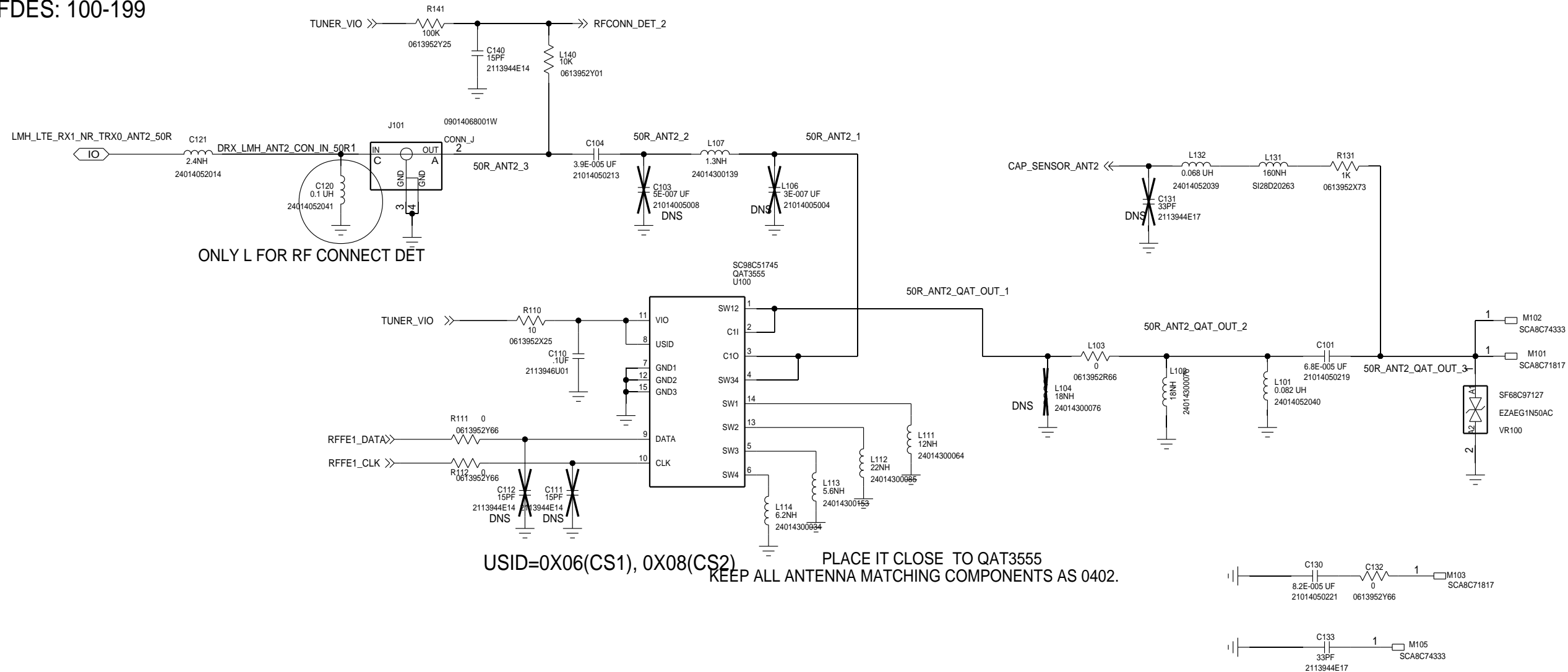
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		PAGE 10 OF 90	

ANT2: NR LMHB TRX0+LTE LMHB RX1

REFDES: 100-199



APPROVALS		 MOTOROLA MOBILE DEVICES	
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CAD FILE NAME:			PAGE 11 OF 90

D

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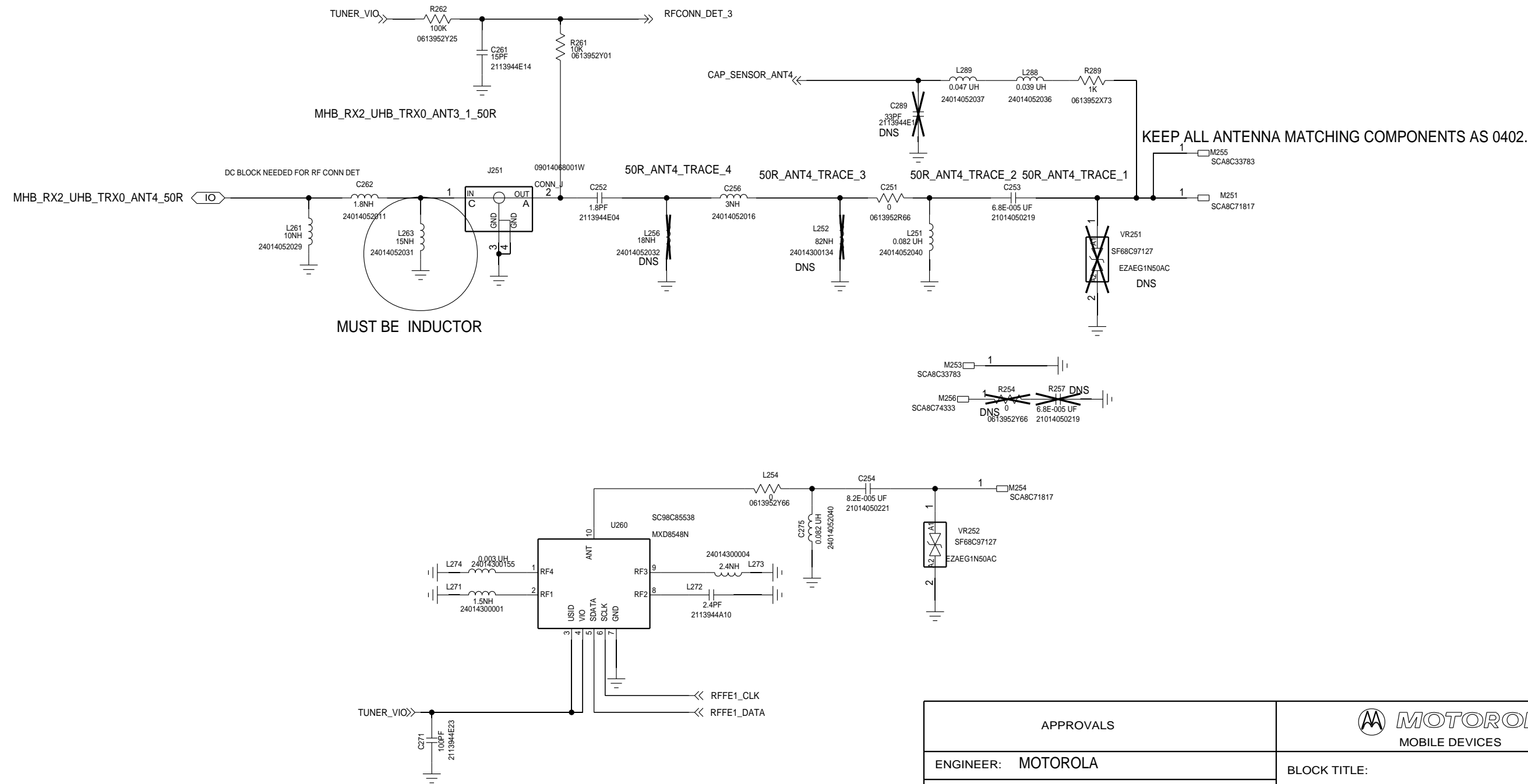



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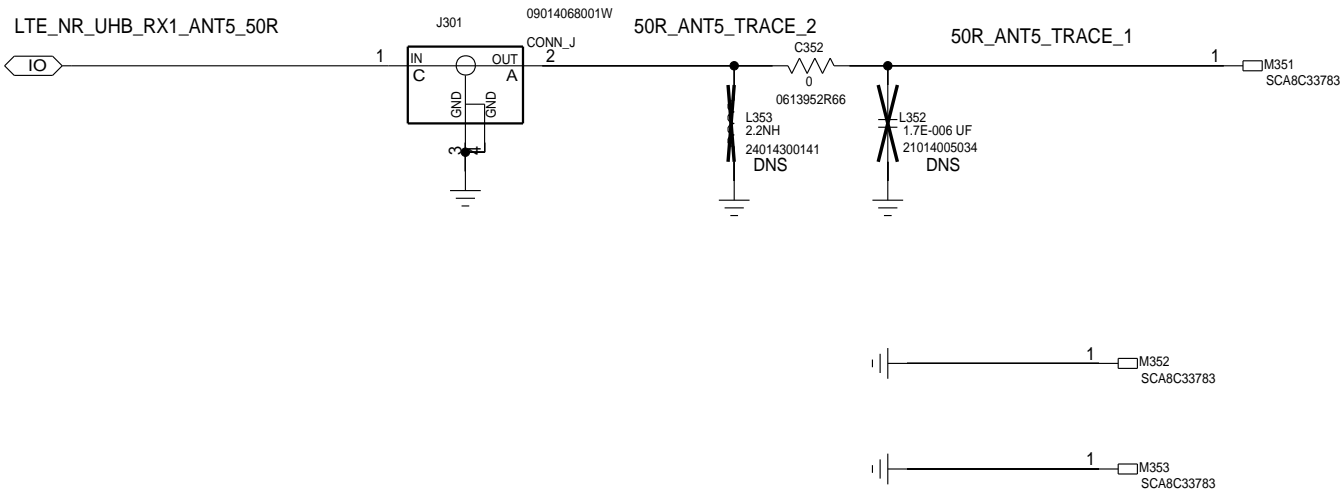
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		CAD FILE NAME:	
		PAGE 13 OF 90	

ANT5: LTE/NR UHB RX1

REFDES: 350-399



APPROVALS		<div> MOTOROLA</div> <div>MOBILE DEVICES</div>		
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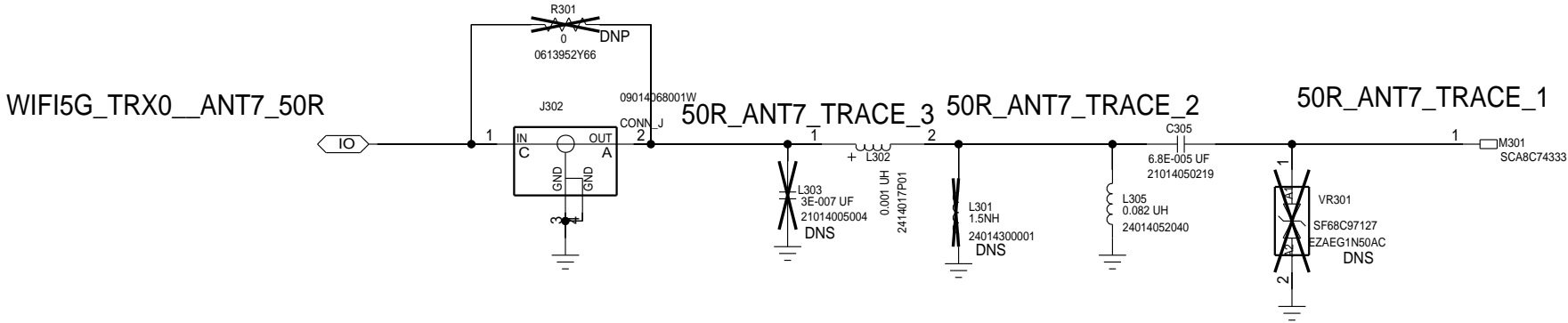
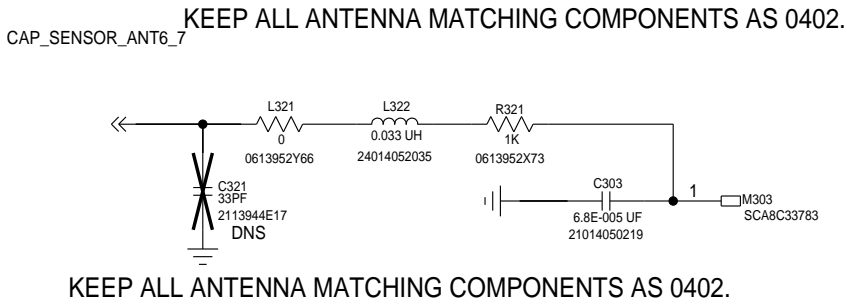



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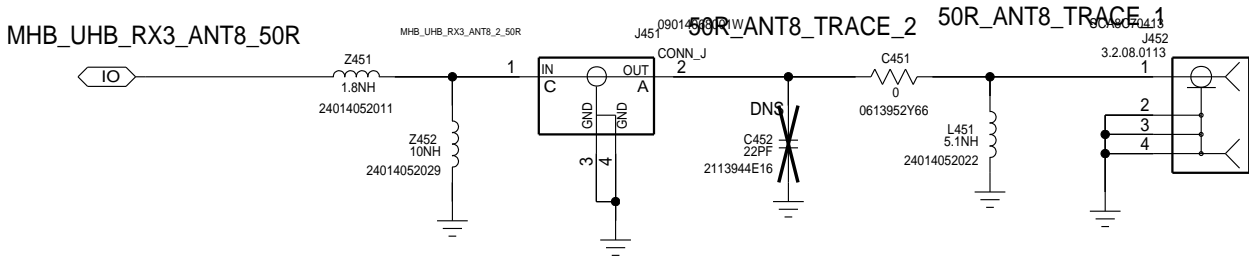
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ANT8: LTE/NR MHB RX3+LTE/NR UHB RX3

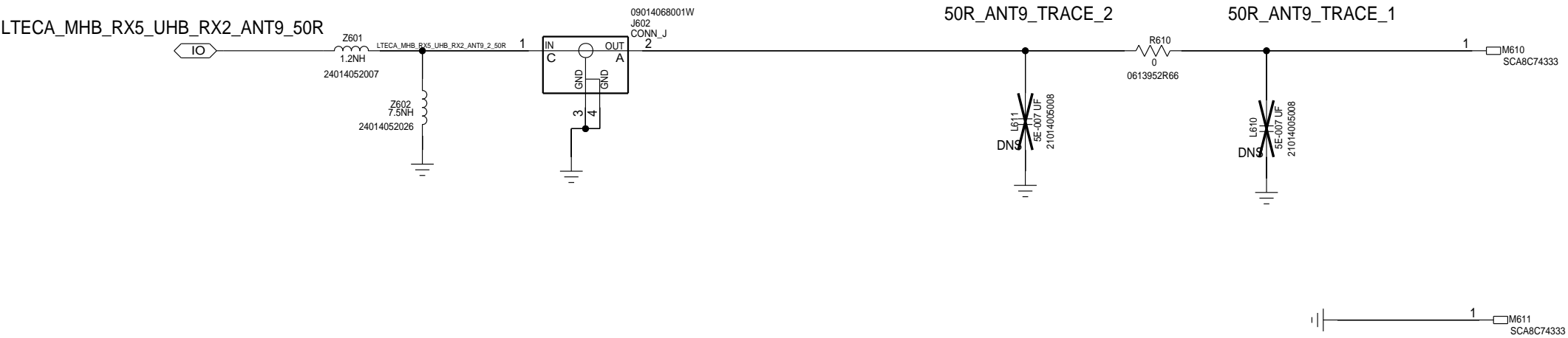
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ANT9: LTE CA MHB RX5+LTE/NR UHB RX2

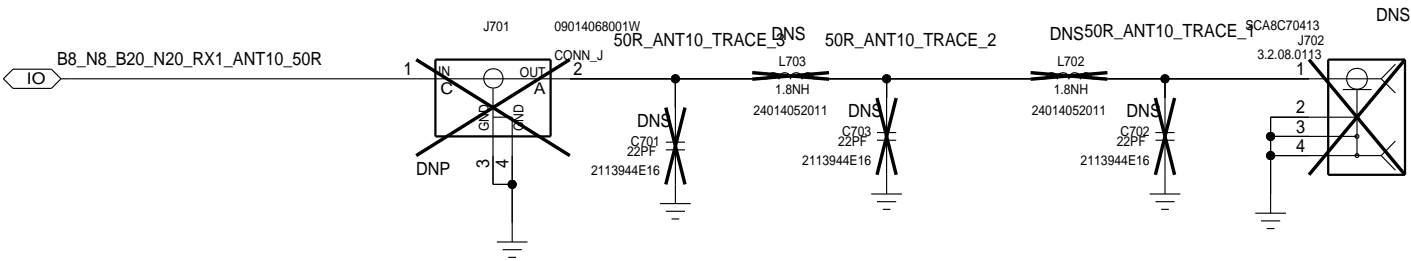
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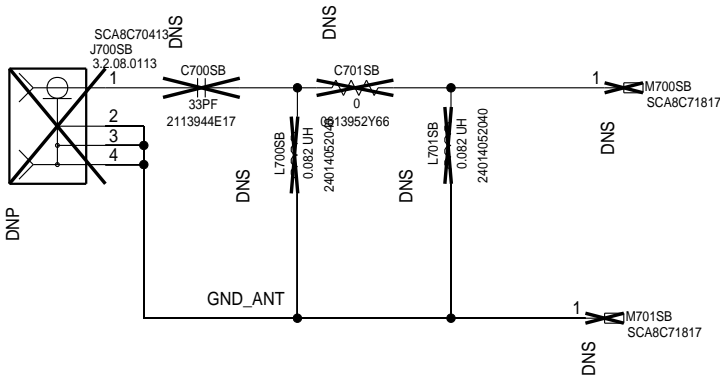
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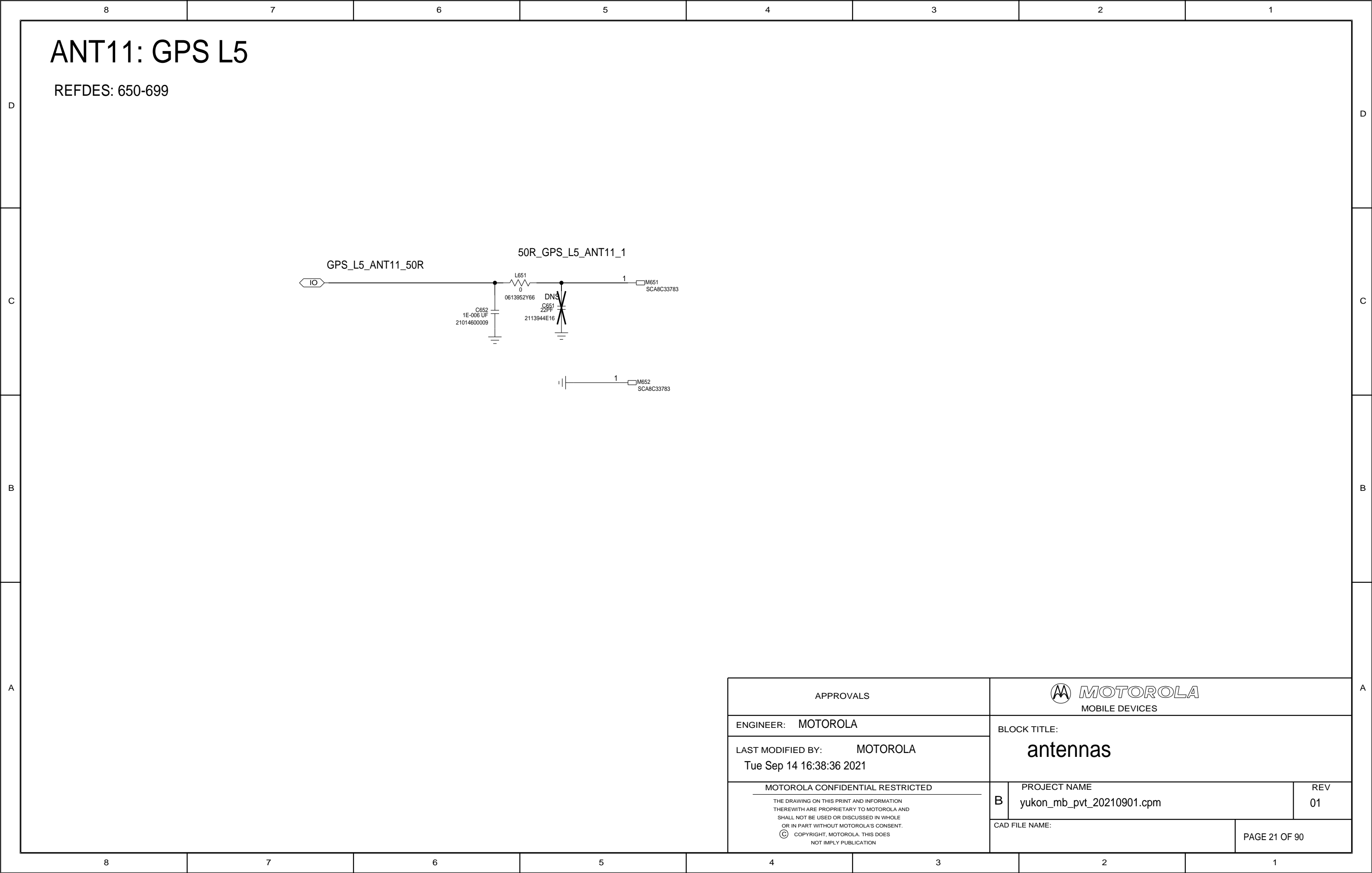
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ANT_LL: Sideboard

REFDES: 700-750



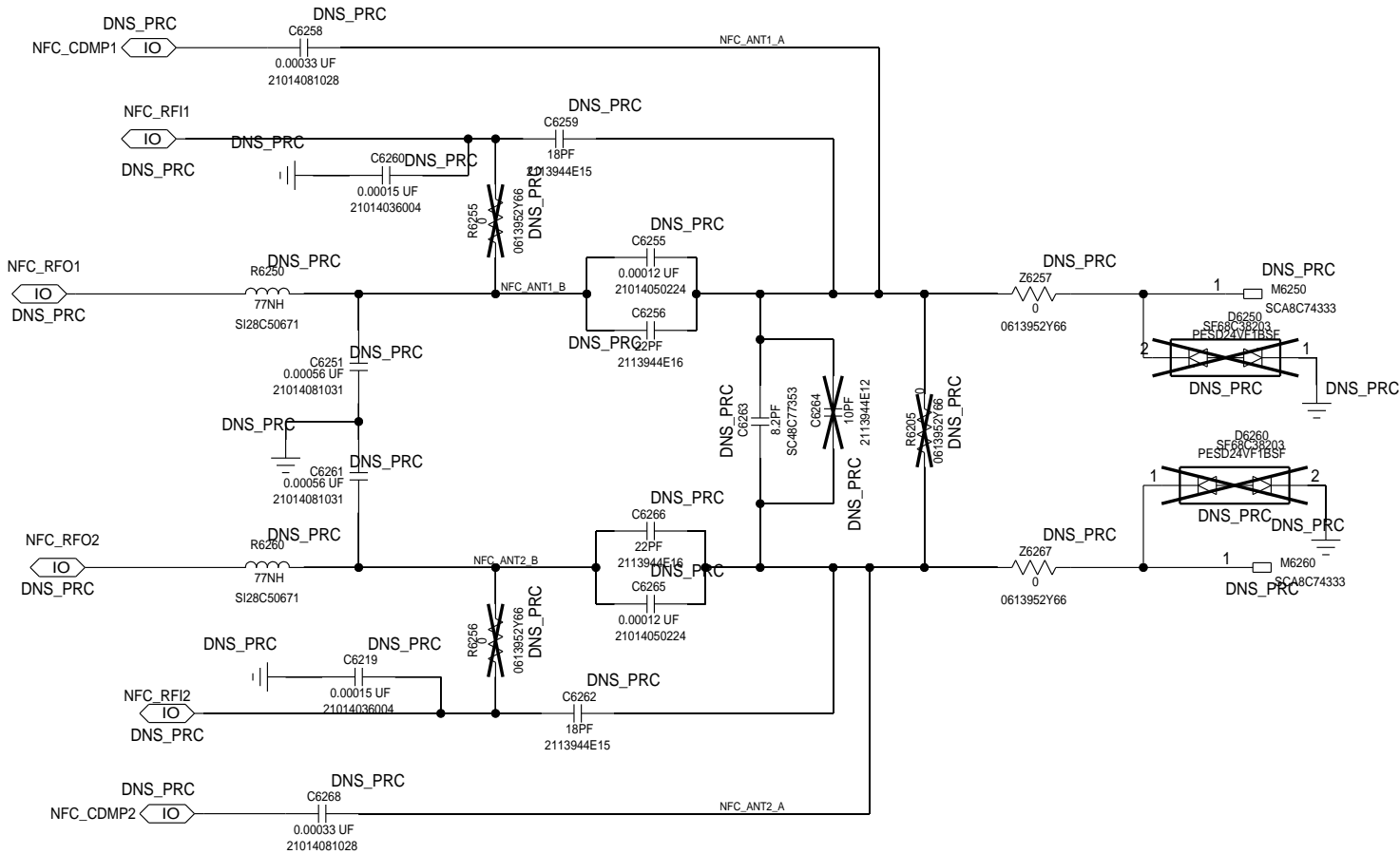
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ANT NFC

REFDES: 4000-4499

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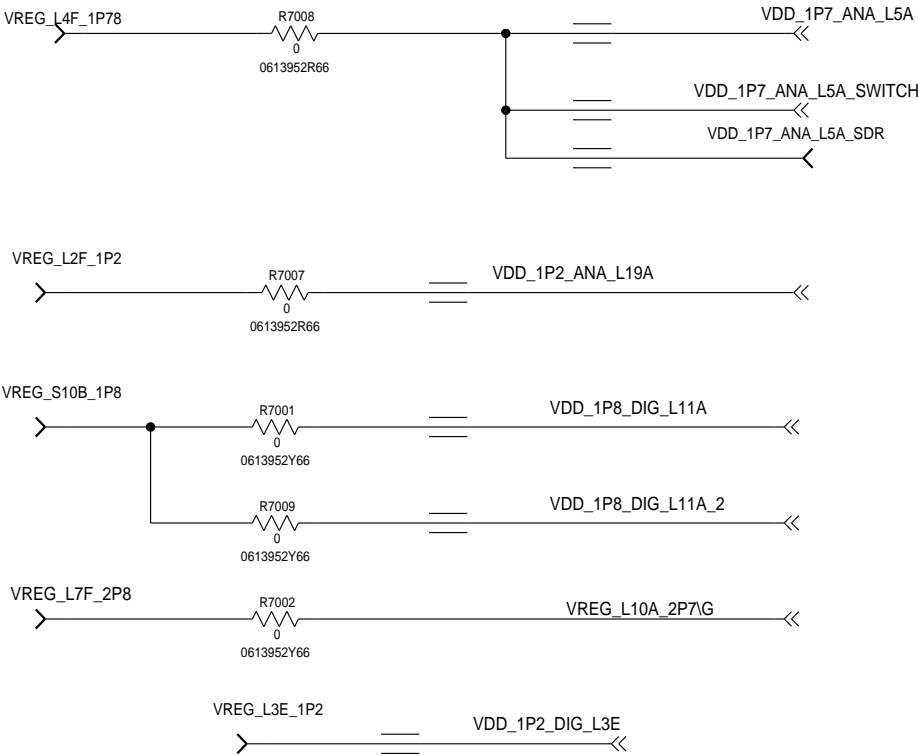


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RFFE: PORTS

REFDES: 7000-8199

POWER

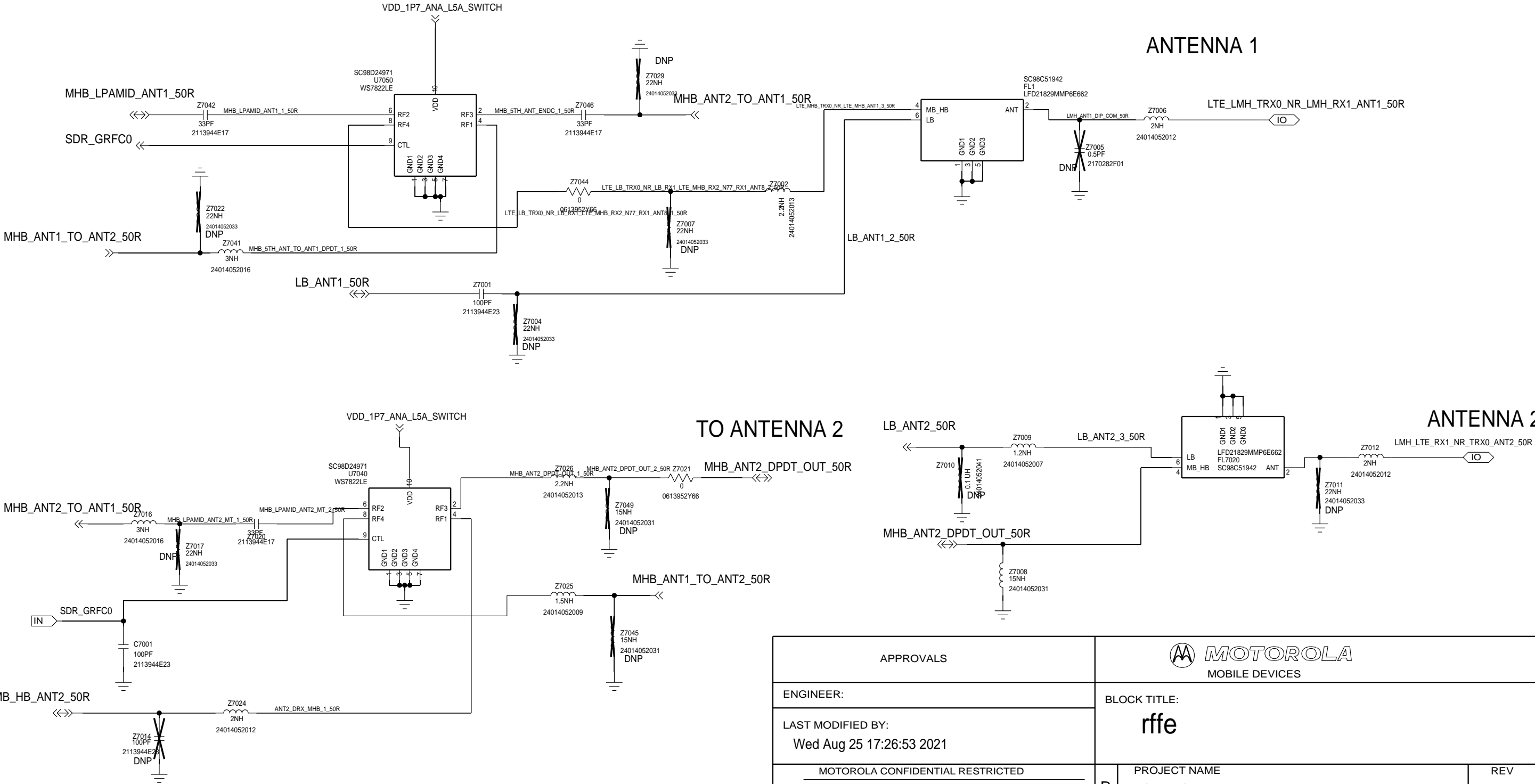



QUALCOMM RECOMMENDS PLACING BOTH THERMISTORS
FOR FUTURE SW IMPLEMENTATION THEY ARE WORKING ON

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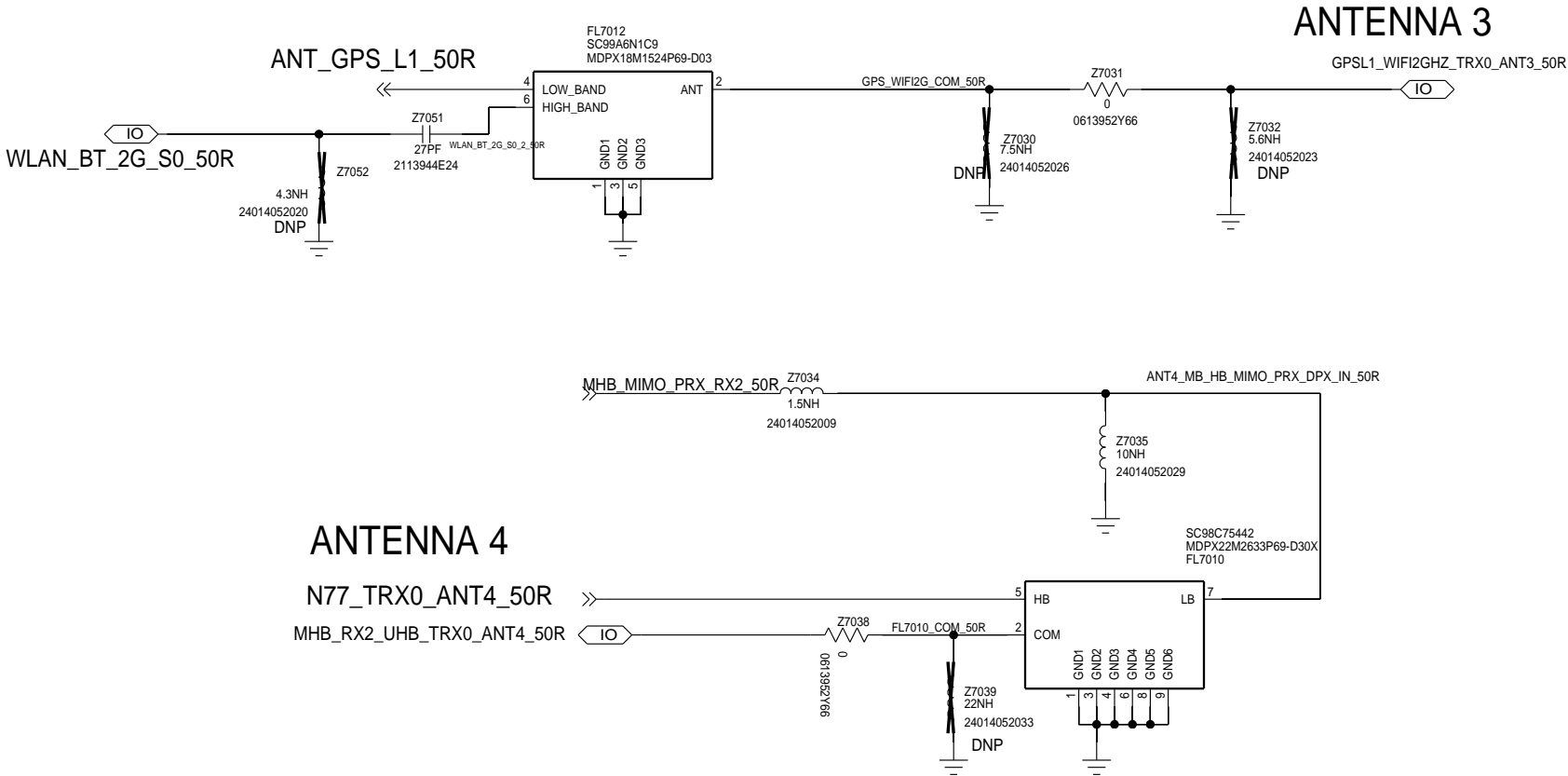
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		PAGE 24 OF 90	

RFFE: ANT3_4 DIPELXER

REFDES: 7000-7099



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		PAGE 25 OF 90	

REFDES: 7100-7199



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LAST MODIFIED BY:

Wed Aug 25 17:26:54 2021

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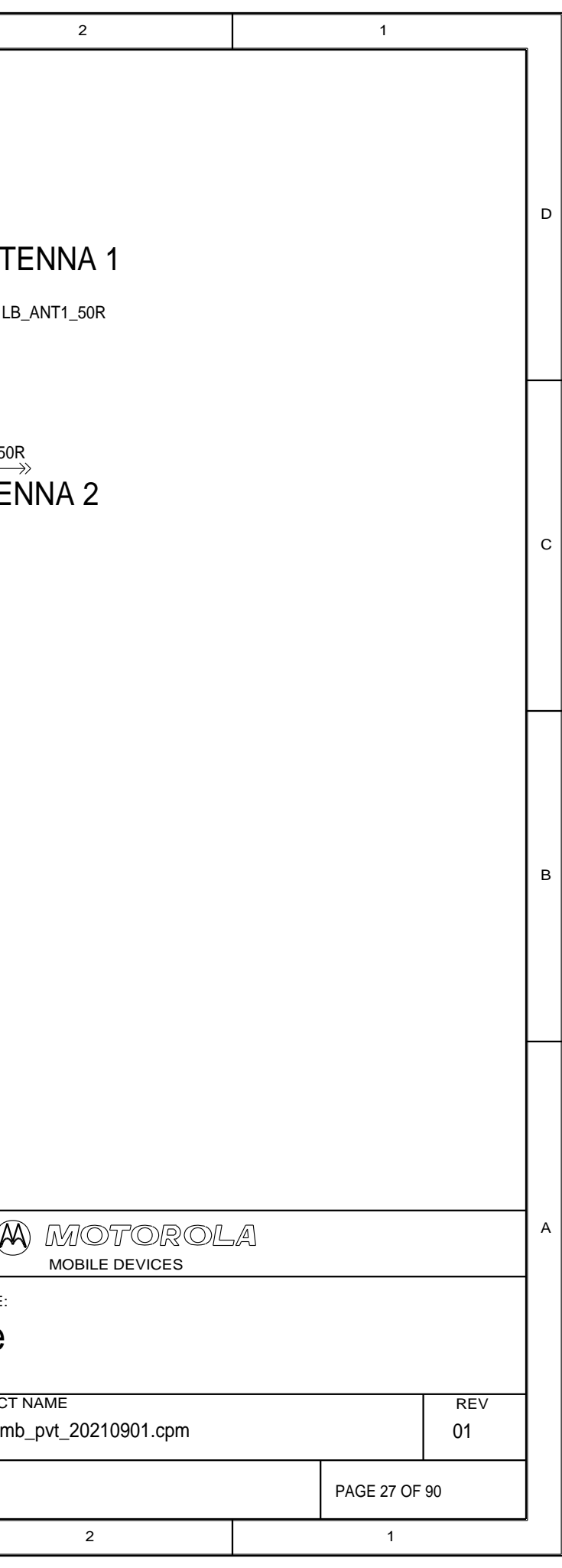
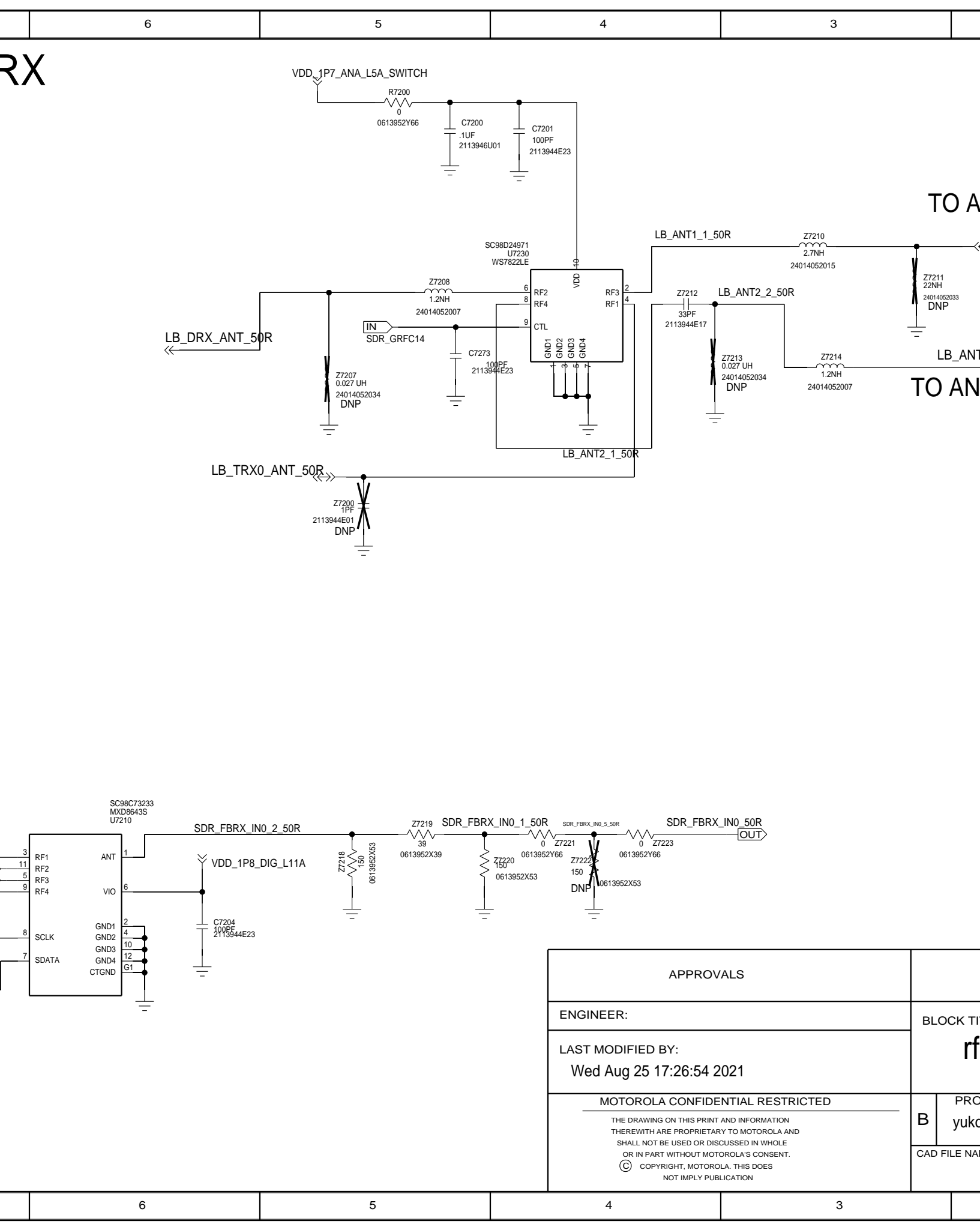
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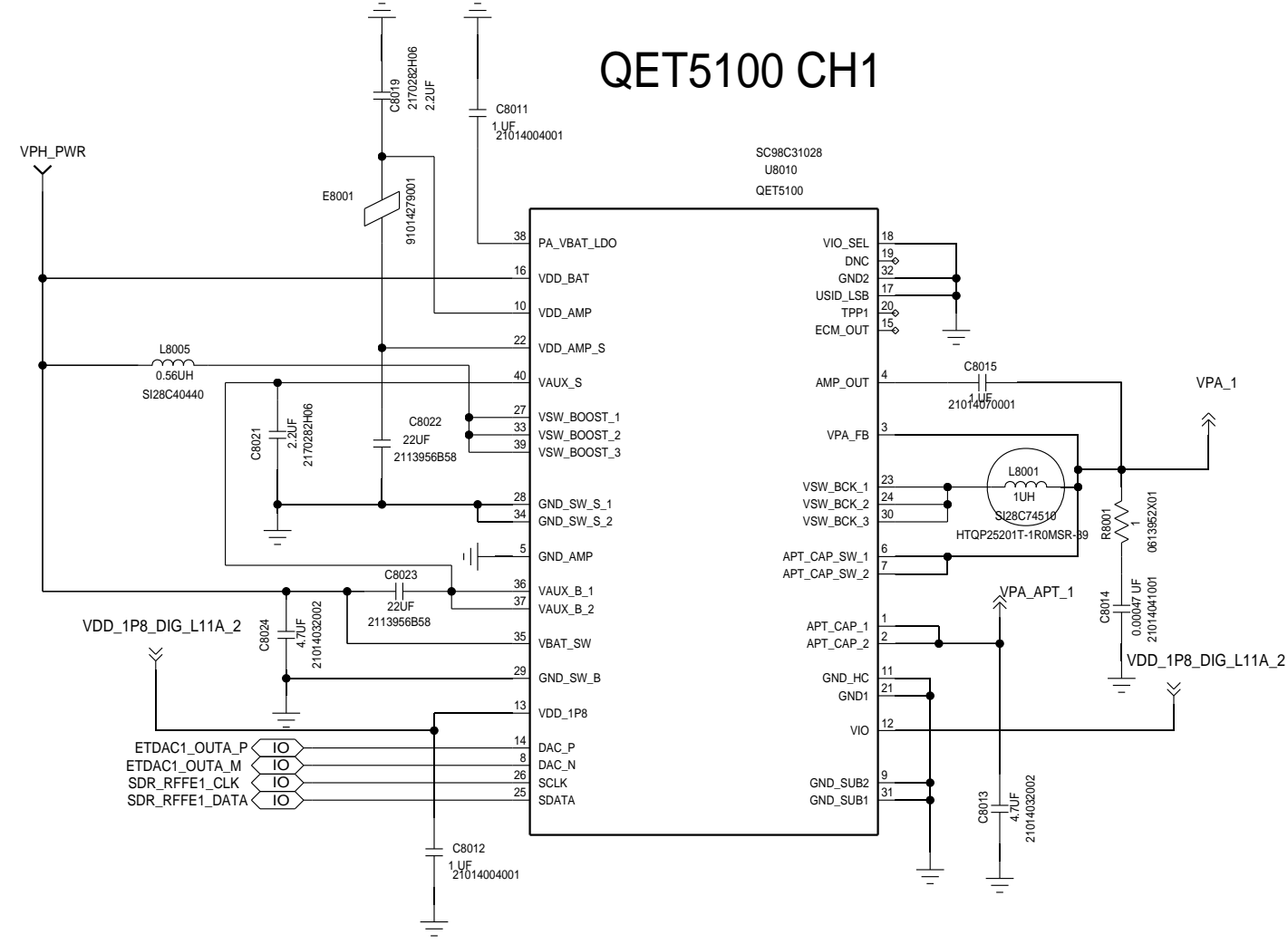
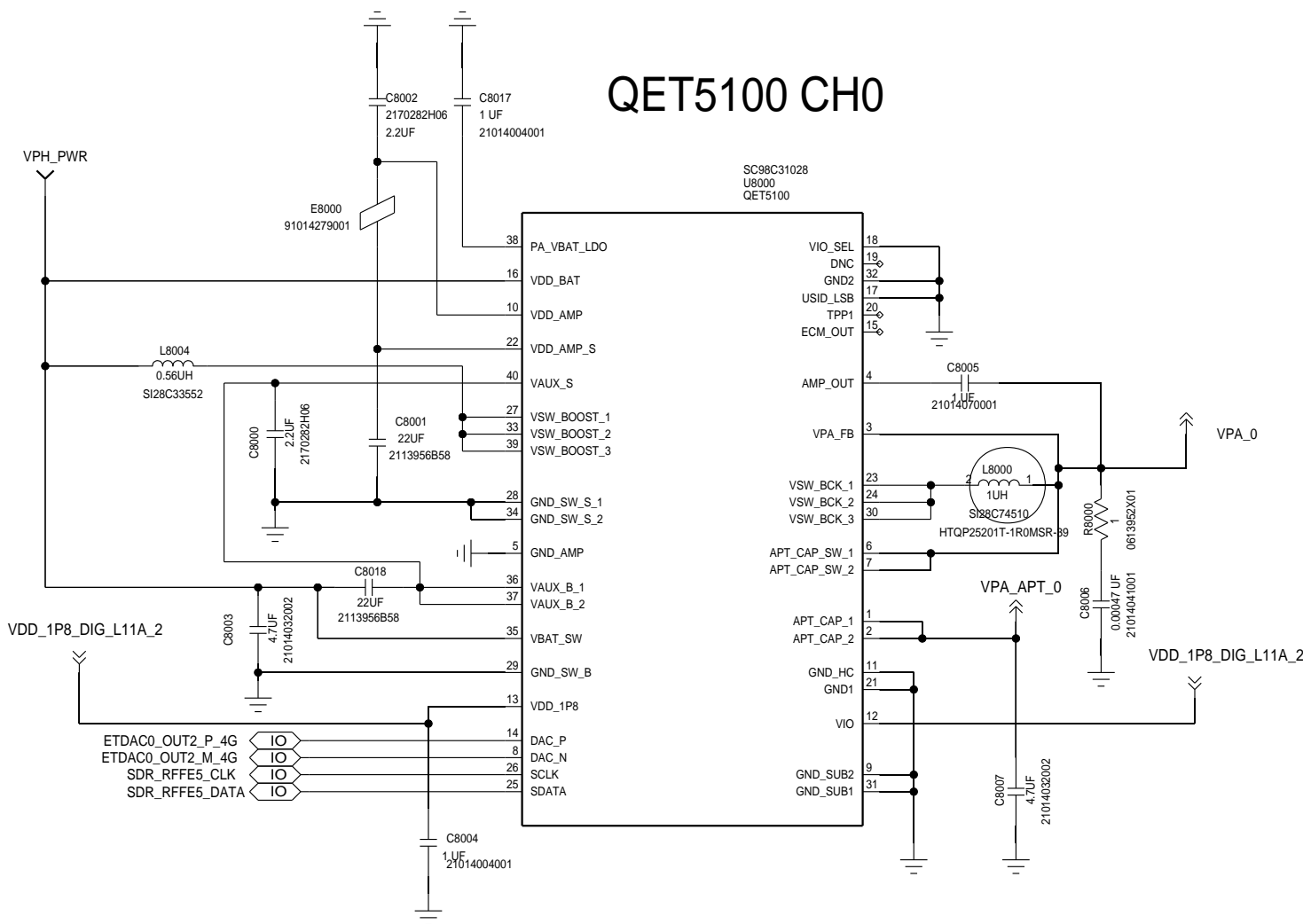
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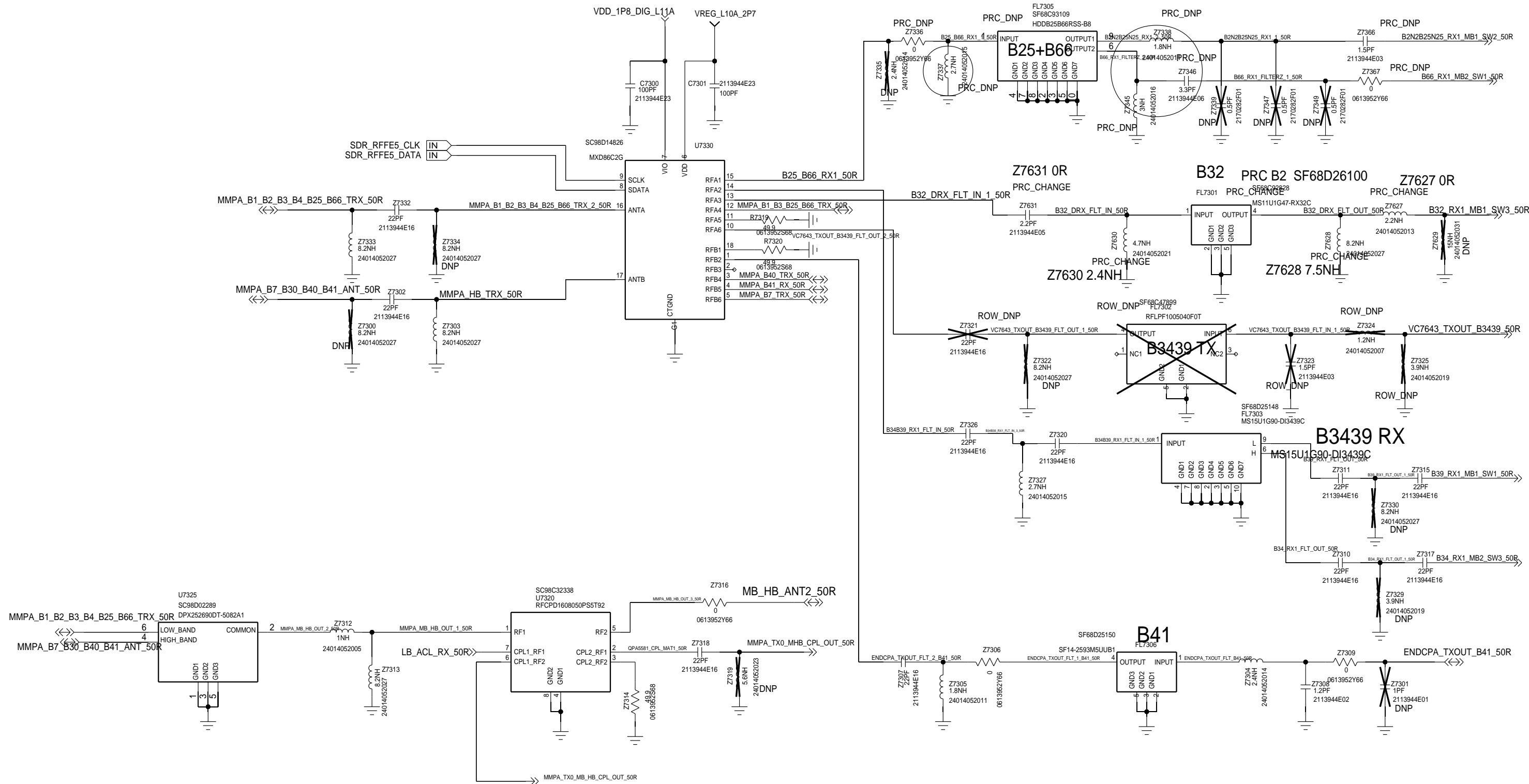
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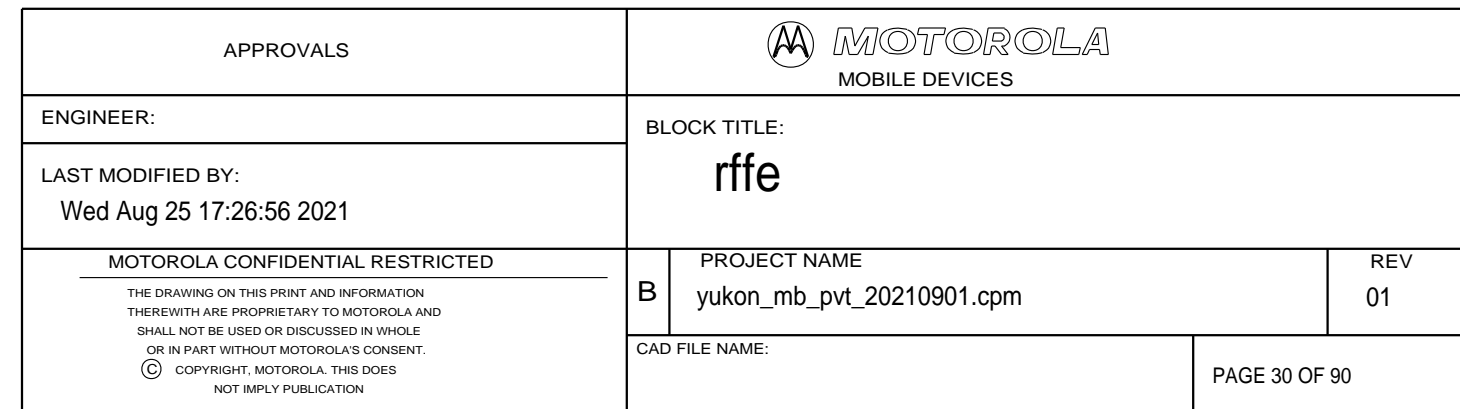
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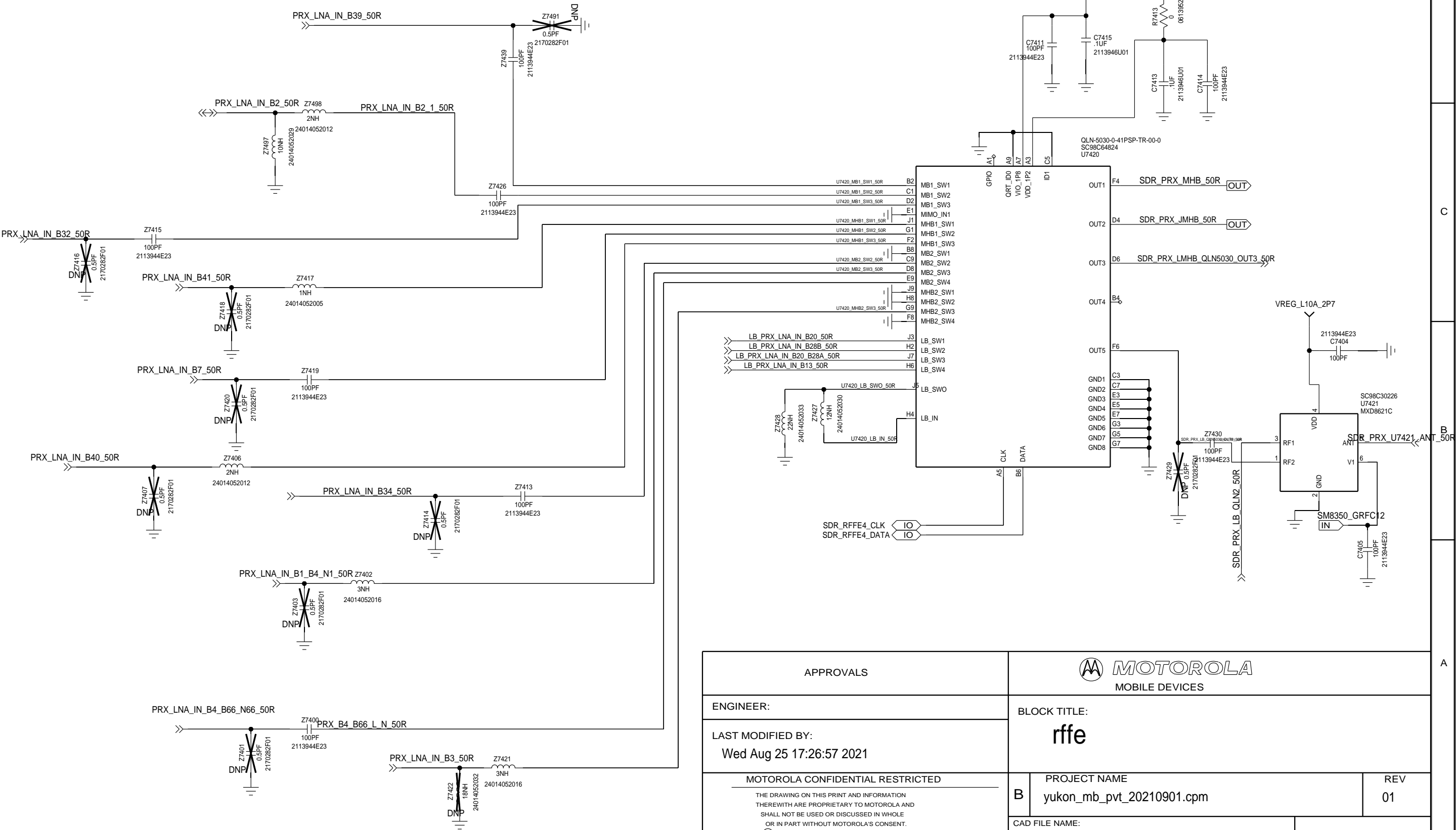



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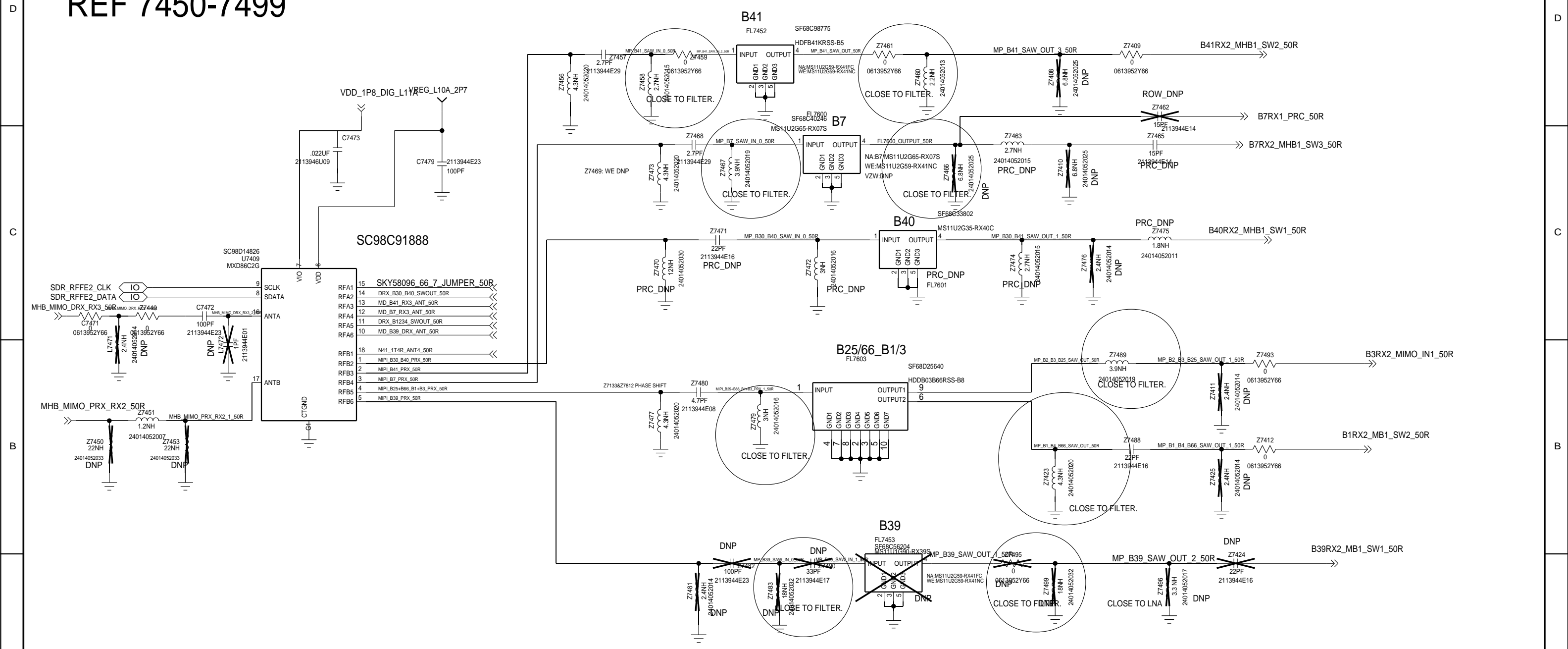
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		REV 01	
		PAGE 31 OF 90	

RFFE: MHB_MIMO_PRX_DP12T

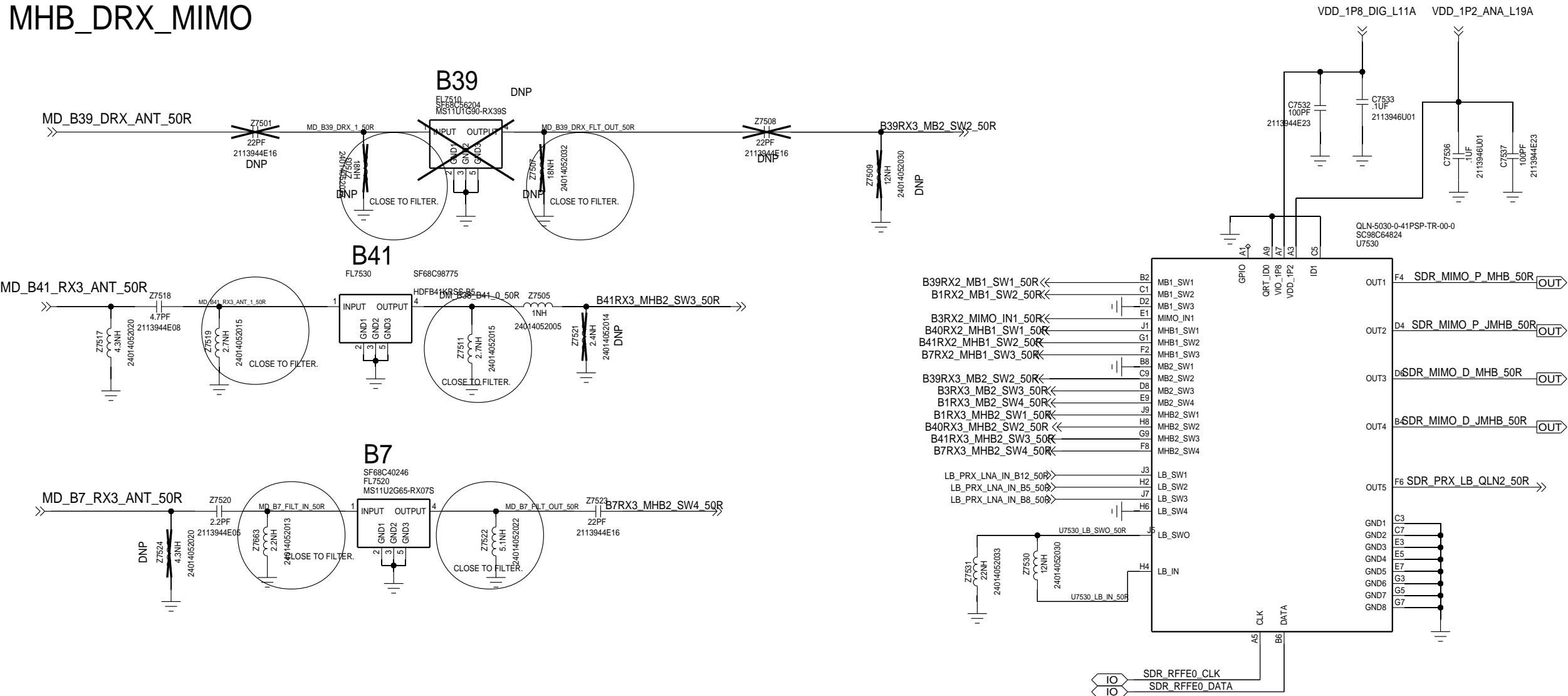
REF 7450-7499




APPROVALS		 MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY:		rffe	
Wed Aug 25 17:26:57 2021			
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		PROJECT NAME	REV
		B yukon_mb_pvt_20210901.cpm	01
		CAD FILE NAME:	
		PAGE 32 OF 90	

RFFE: MHB_MIMO_DRX_QLN5030

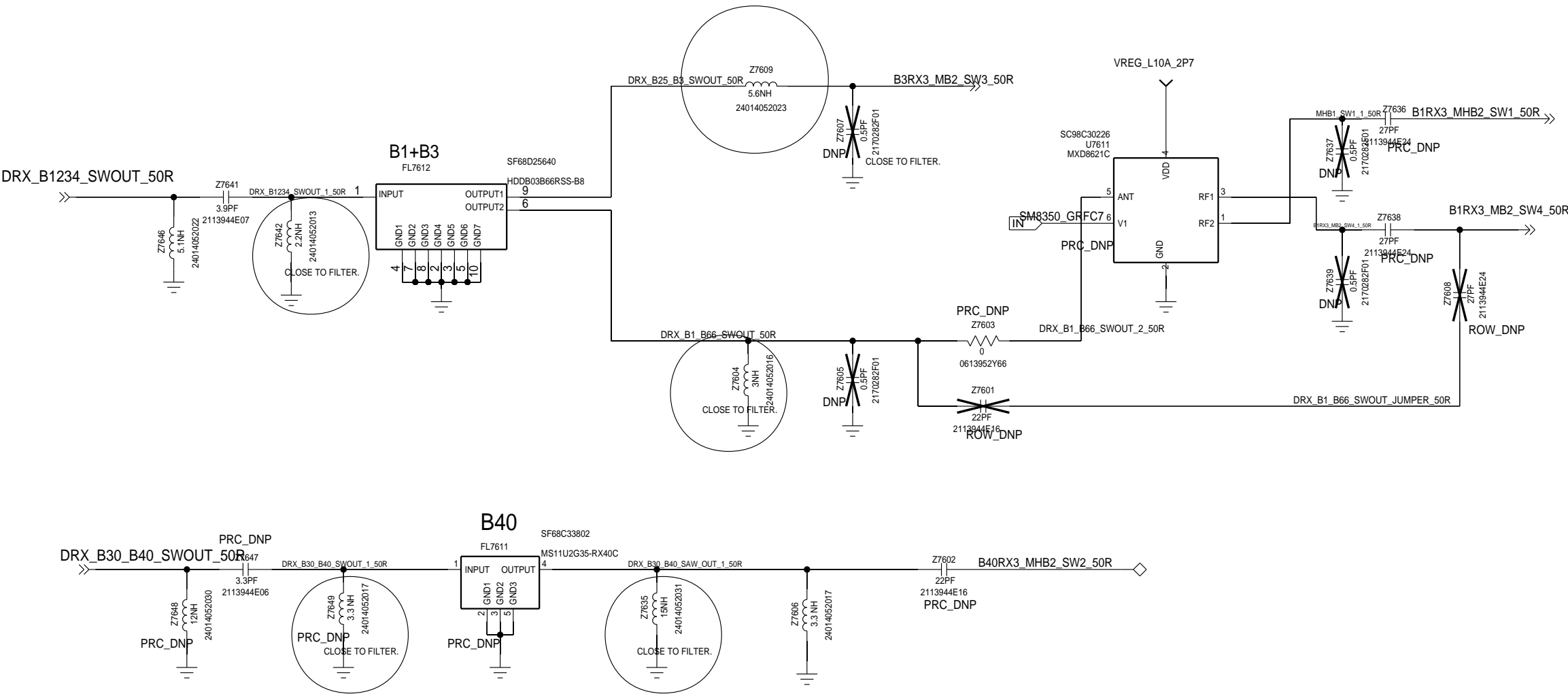
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APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER:		BLOCK TITLE:	
LAST MODIFIED BY:		rffe	
Wed Aug 25 17:26:58 2021			
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	
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		CAD FILE NAME:	
		PAGE 33 OF 90	

RFFE: MHB_MIMO_DRX_FILTER

MHB_DRX_MIMO

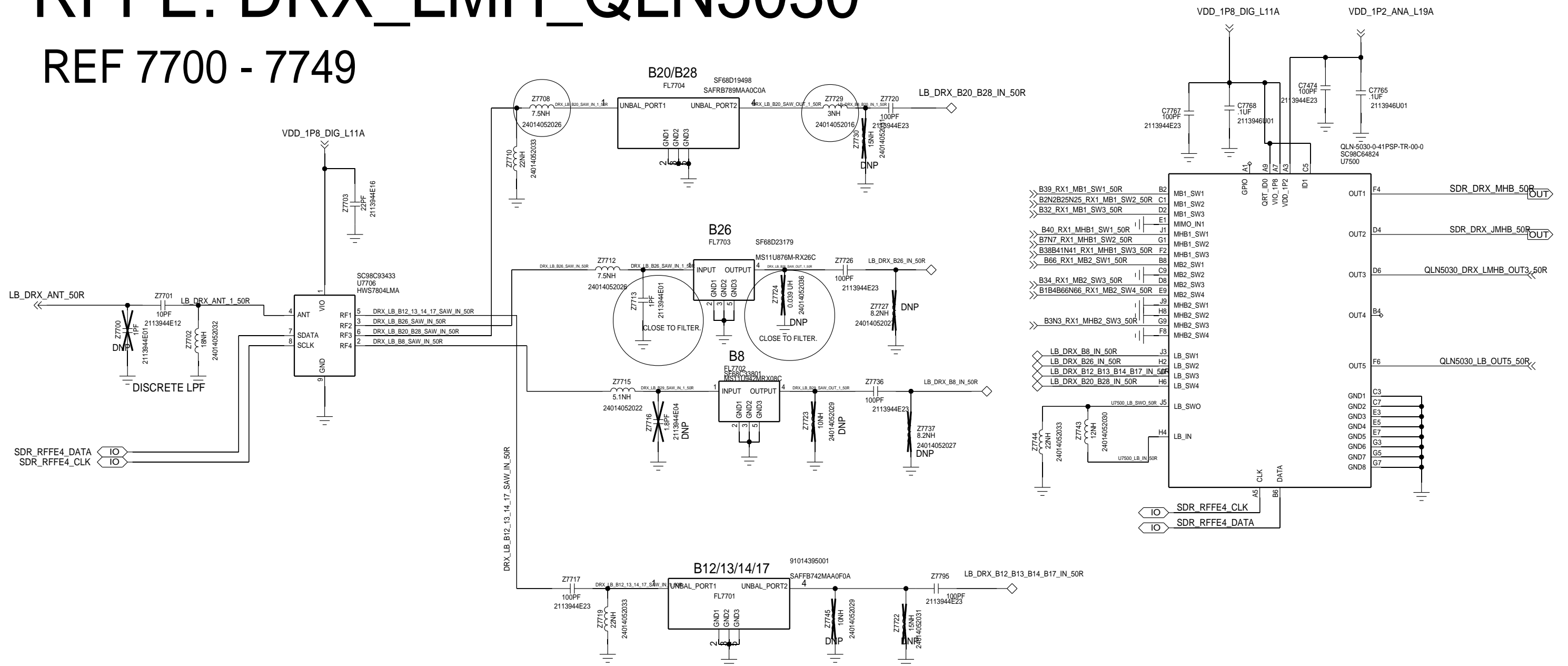



APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER:		BLOCK TITLE:	
LAST MODIFIED BY:		rffe	
Wed Aug 25 17:26:58 2021			
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	
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© COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION		CAD FILE NAME:	
		PAGE 34 OF 90	

RFFE: DRX_LMH_QLN5030

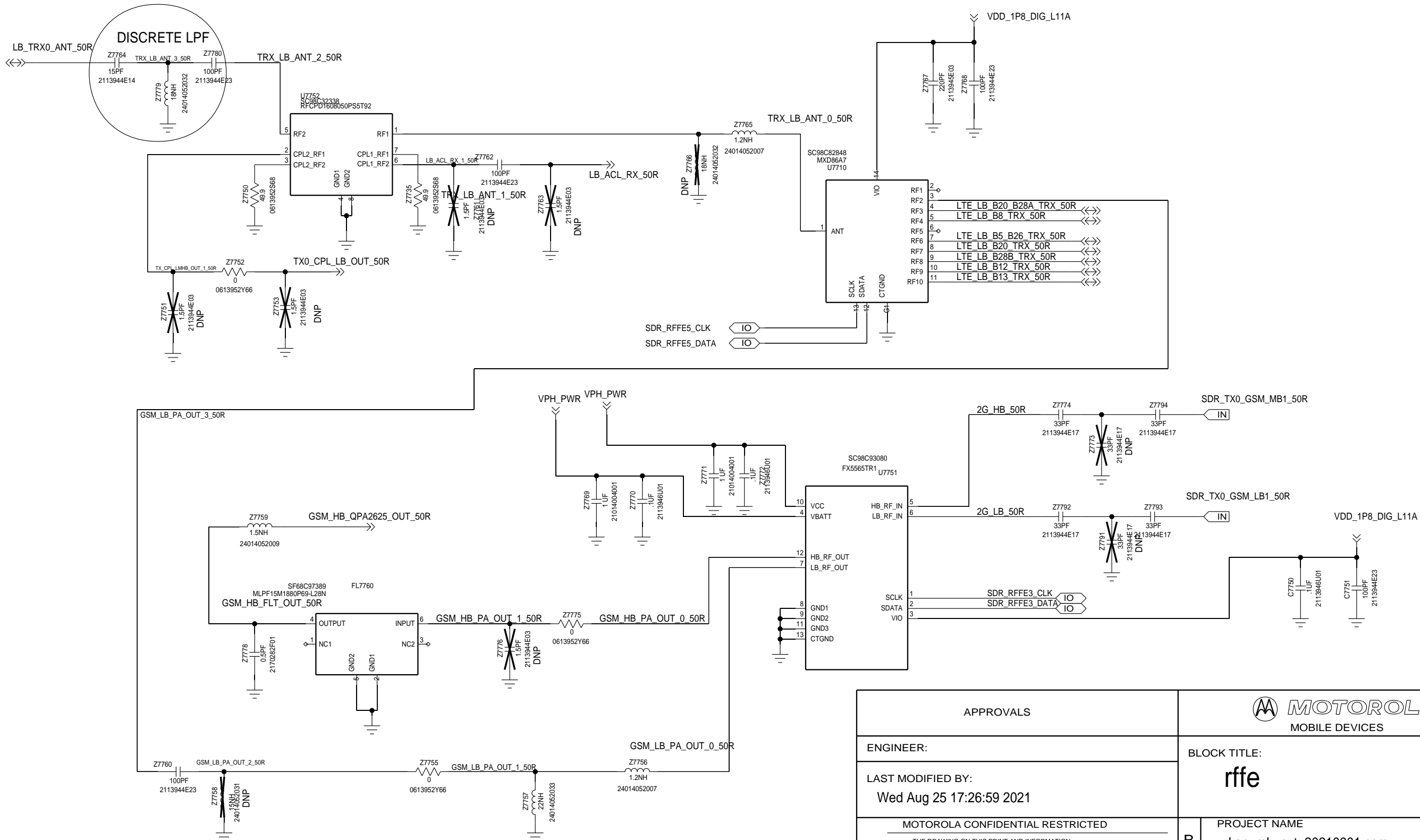
REF 7700 - 7749

B20/B28
FL704
SF68D19498



APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER:	BLOCK TITLE: <div style="font-size: 24pt; font-weight: bold;">rffe</div>		
LAST MODIFIED BY: Wed Aug 25 17:26:59 2021			
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		CAD FILE NAME:	PAGE 35 OF 90

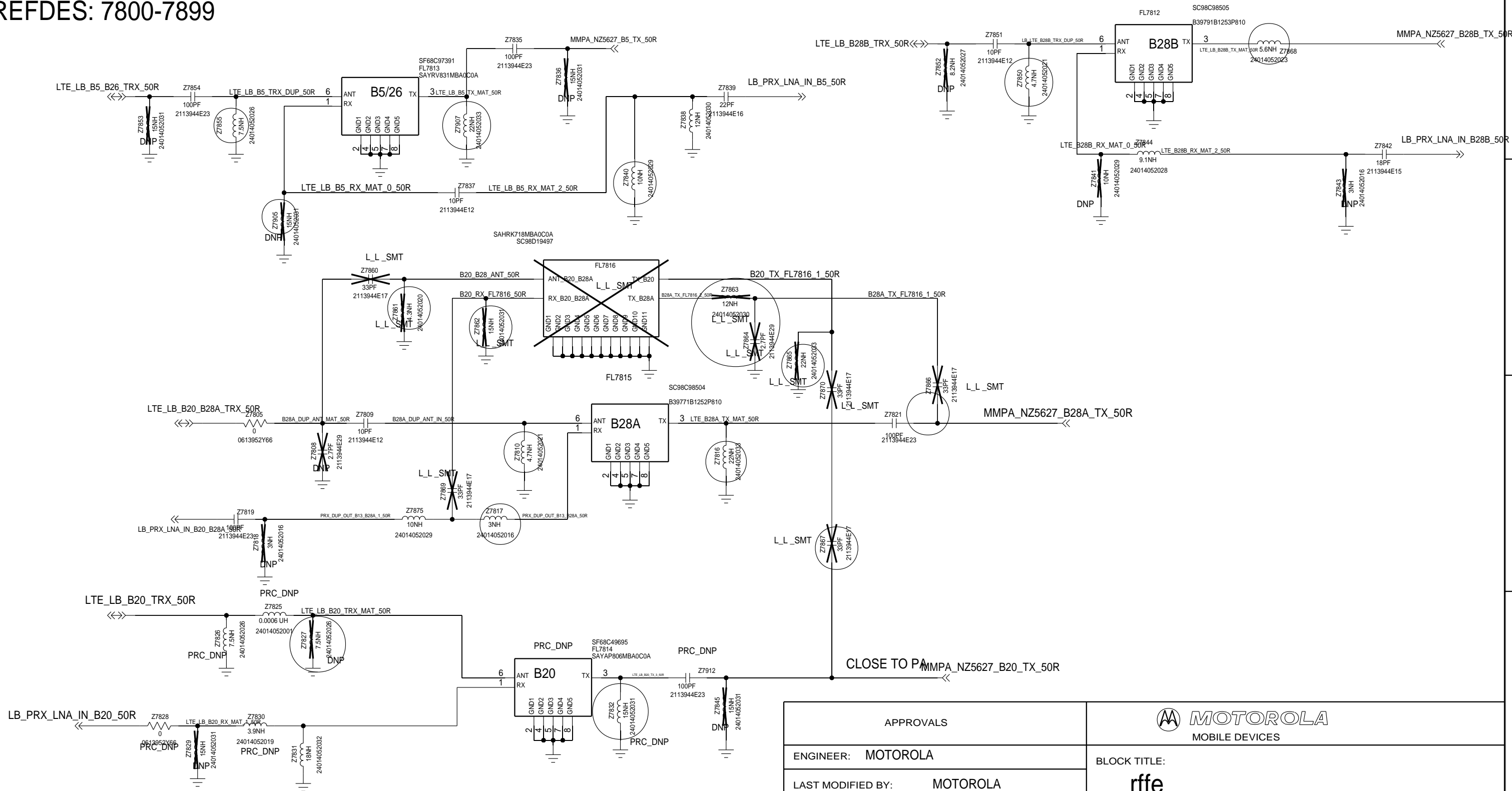
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APPROVALS		MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY:		rfe	
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	
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		REV 01	
		PAGE 36 OF 90	

RFFE: LB_B5_B20_B28A_B28B

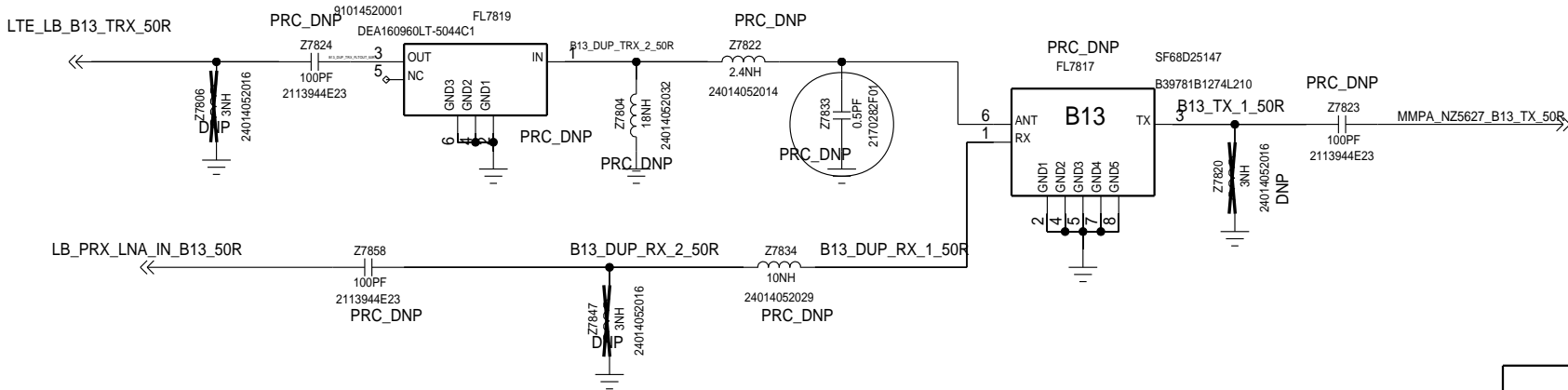
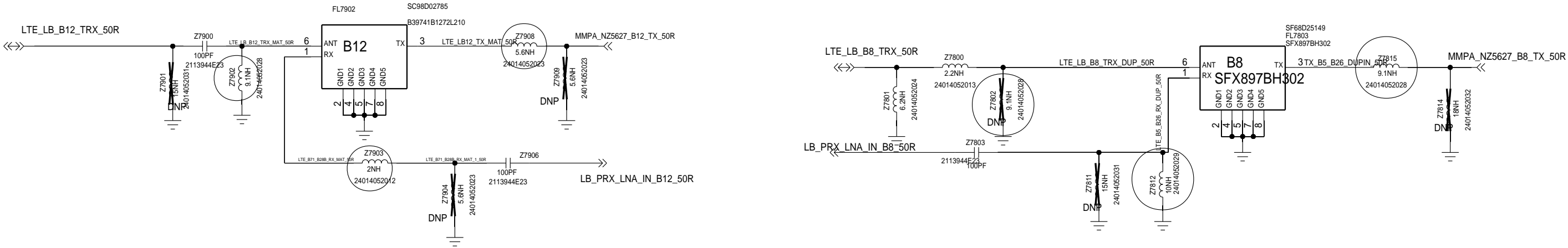
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LAST MODIFIED BY: MOTOROLA Wed Aug 25 17:27:00 2021		PROJECT NAME B 9074.cpm 9074.cpm_pvt_20210901.cpm	
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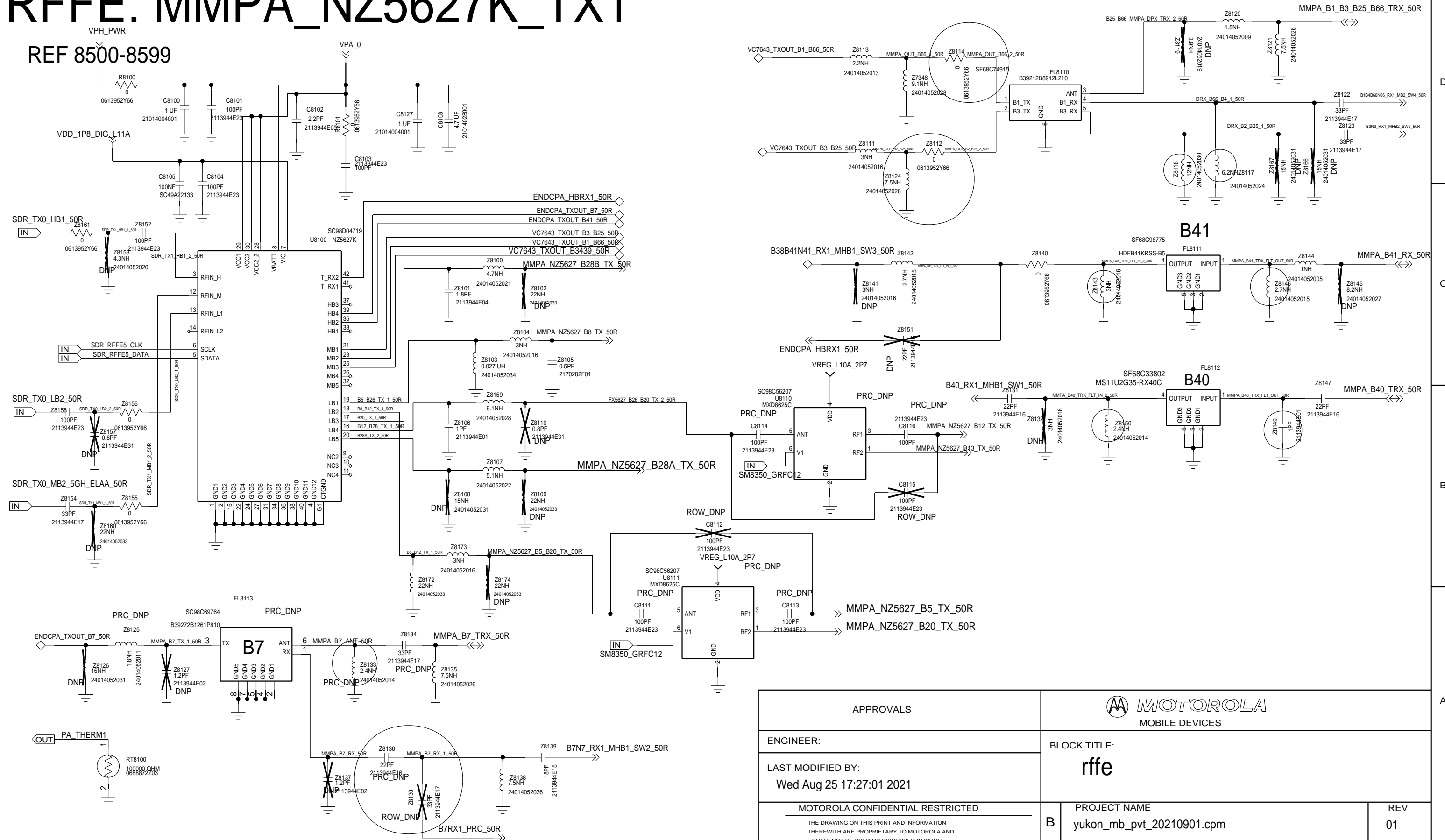
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REF 7900-7999



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		PAGE 38 OF 90	

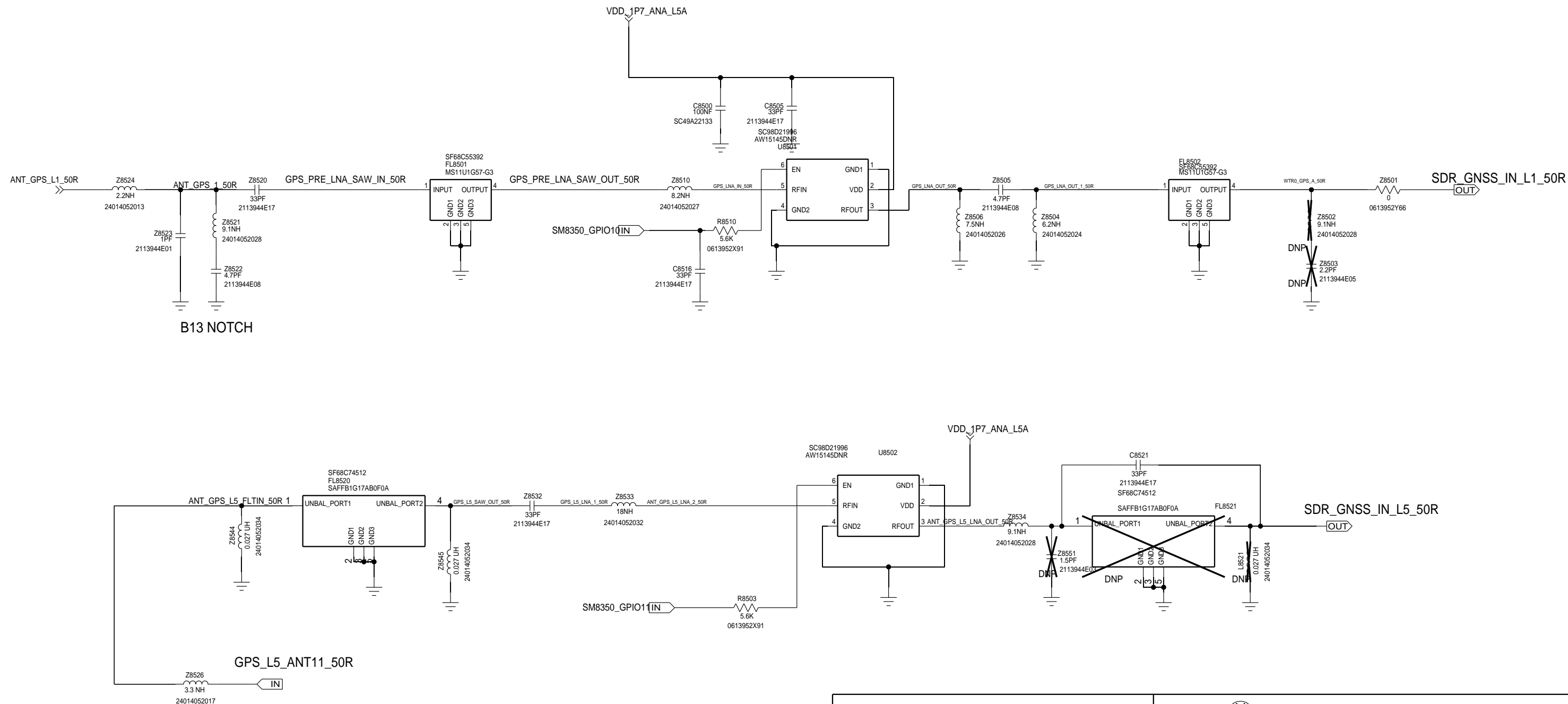
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APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER:	BLOCK TITLE: rffe		
LAST MODIFIED BY: Wed Aug 25 17:27:01 2021			
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		CAD FILE NAME:	PAGE 39 OF 90

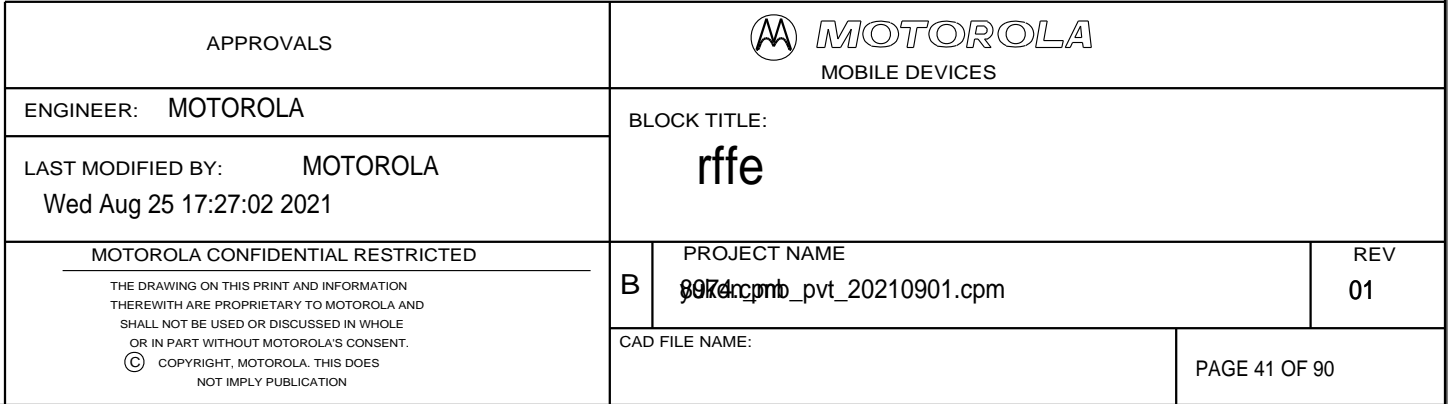
RFFE: GPS L1 + L5

REF 8500-8599



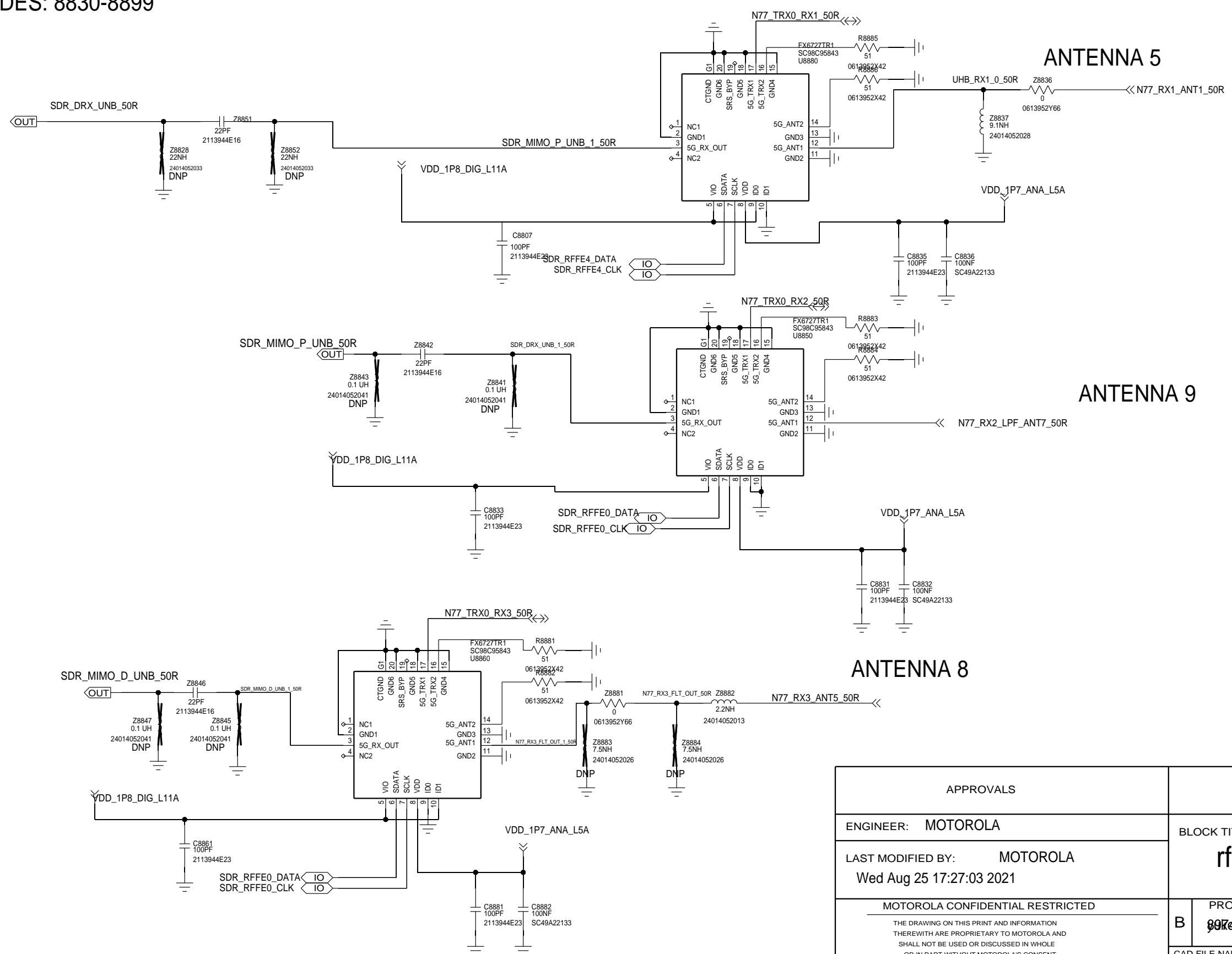
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LAST MODIFIED BY:		rffe	
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		CAD FILE NAME:	
		PAGE 40 OF 90	


REFDES: 8800-8899



RFFE: SUB6 FX6727

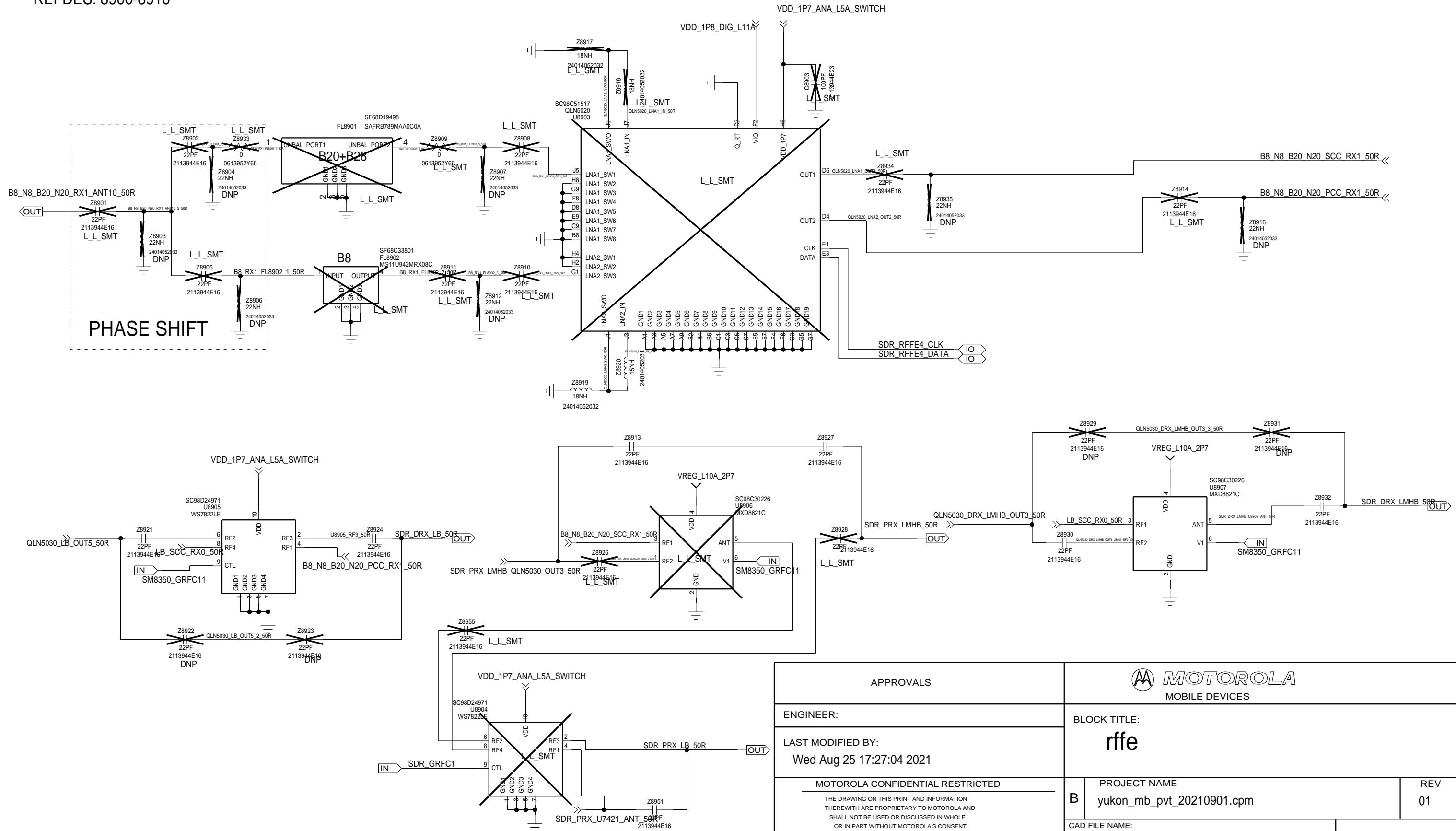
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APPROVALS		 MOTOROLA MOBILE DEVICES	
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		CAD FILE NAME:	
		PAGE 42 OF 90	
REV		01	


RFFE: LB_QLN5020_ANT10

REFDES: 8900-8910




APPROVALS		MOTOROLA MOBILE DEVICES	
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		REV 01	

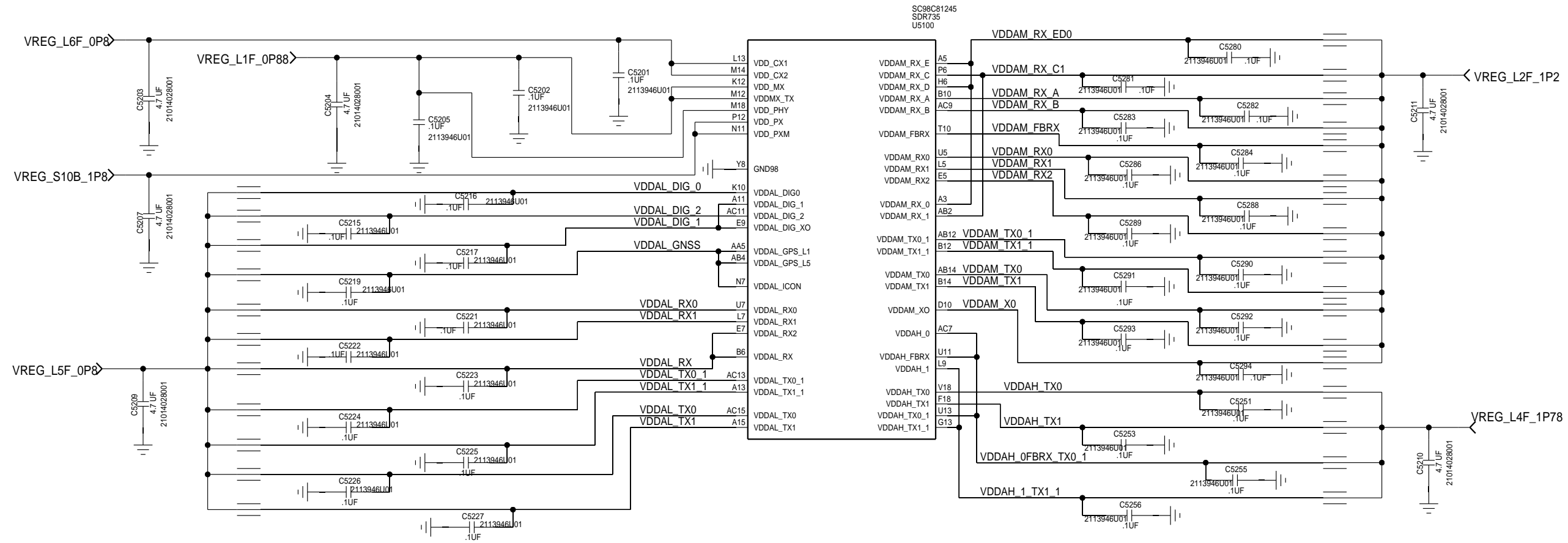
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C							C
B							B
A							A
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APPROVALS		 MOTOROLA MOBILE DEVICES		
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LAST MODIFIED BY: Wed Aug 12 19:56:59 2020		rffe		
<div>MOTOROLA CONFIDENTIAL RESTRICTED</div> <div>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</div>		PROJECT NAME		REV
		B yukon_mb_pvt_20210901.cpm		01
		CAD FILE NAME:		PAGE 44 OF 90


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D							D
C							C
B							B
A							A
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APPROVALS		 MOTOROLA MOBILE DEVICES	
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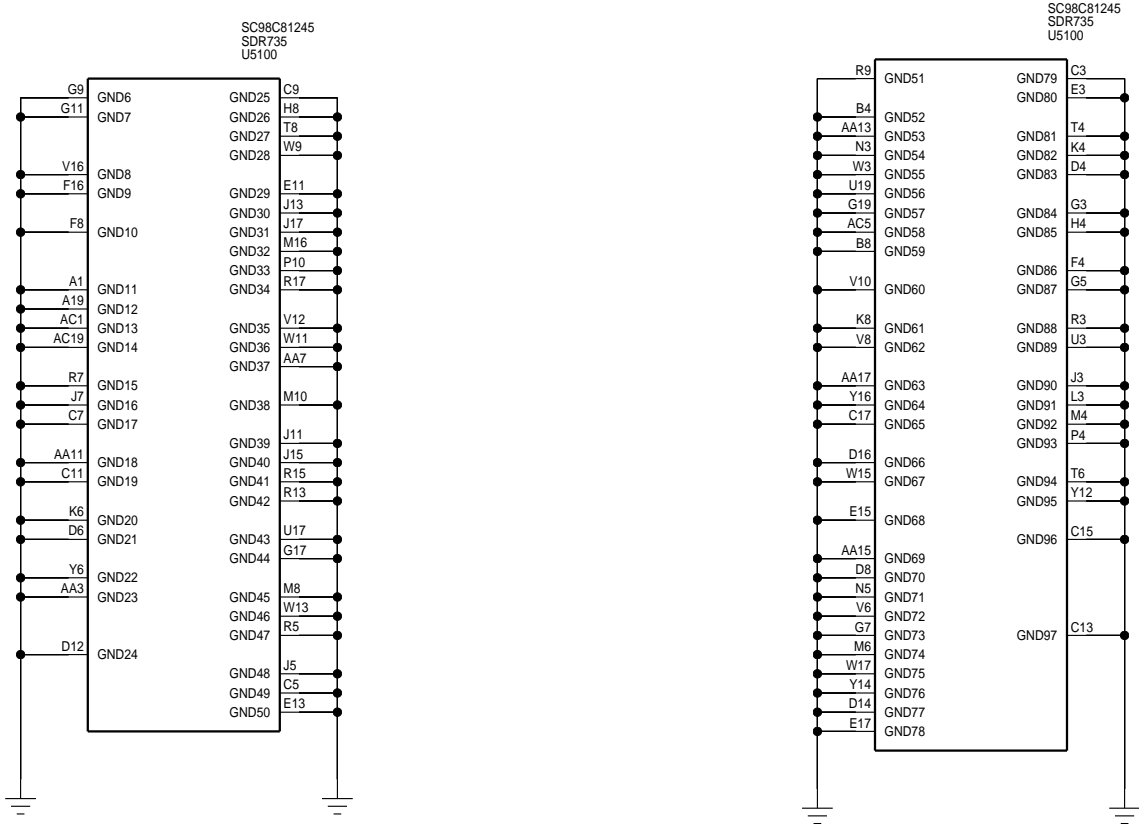
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REF 5200-5399



ACCORDING TO SM8350 POWER SUPPLY

APPROVALS		 MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Thu Jul 15 11:19:57 2021		PROJECT NAME yukon_mb_pvt_20210901.cpm	
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		PAGE 46 OF 90	

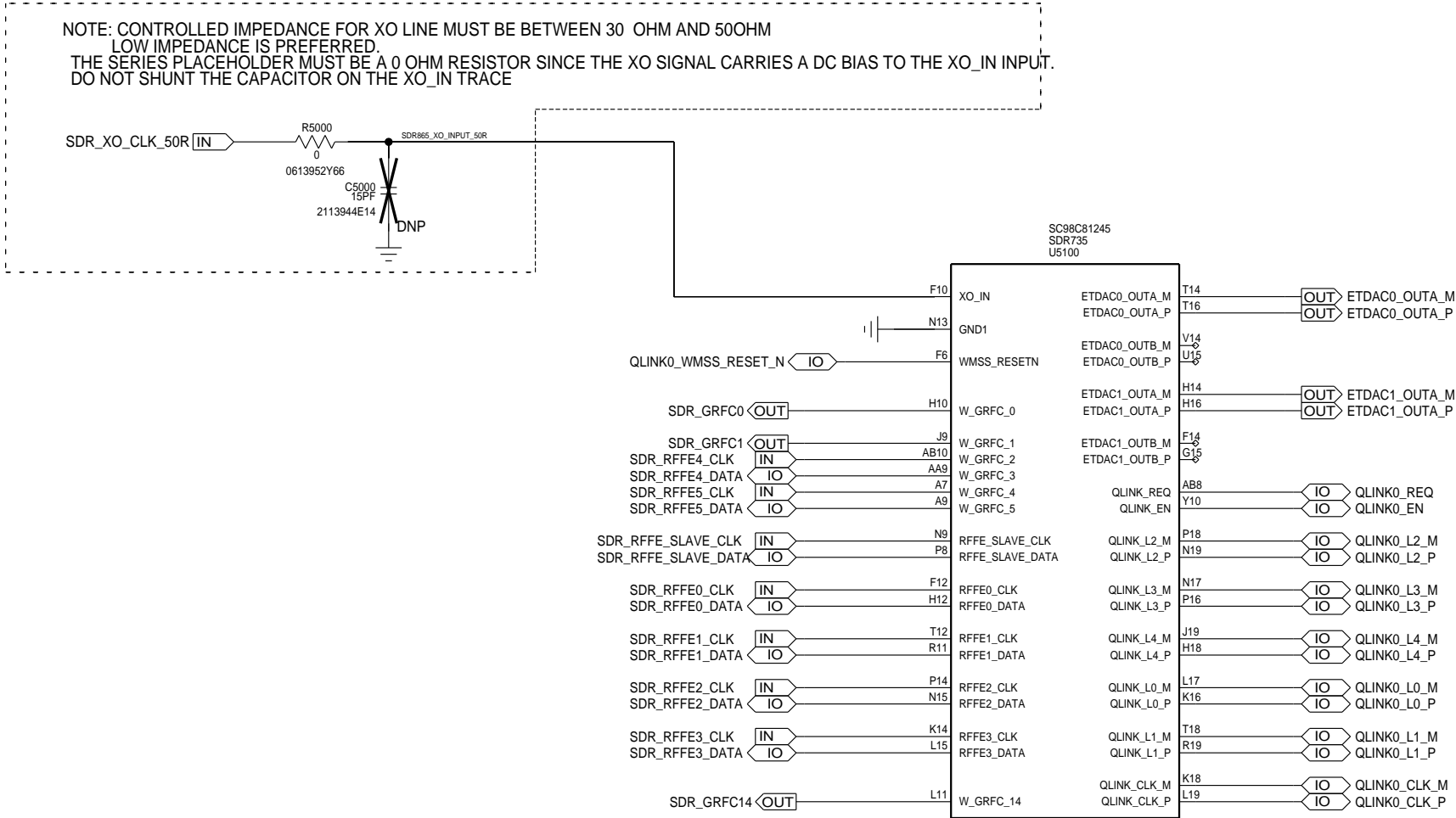
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REF 5200-5299




APPROVALS		MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Thu Jul 15 11:19:58 2021			
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		CAD FILE NAME: PAGE 47 OF 90	

SDR735: CTRL/QLINK

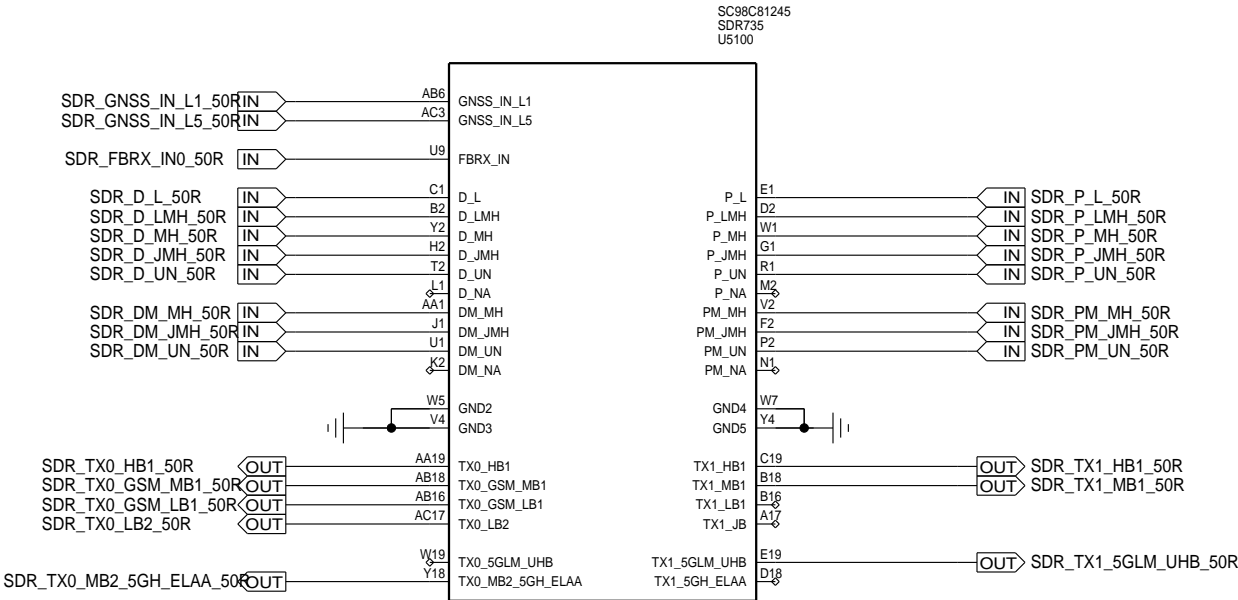
REF 5000-5099




APPROVALS		 MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Thu Jul 15 11:19:59 2021			
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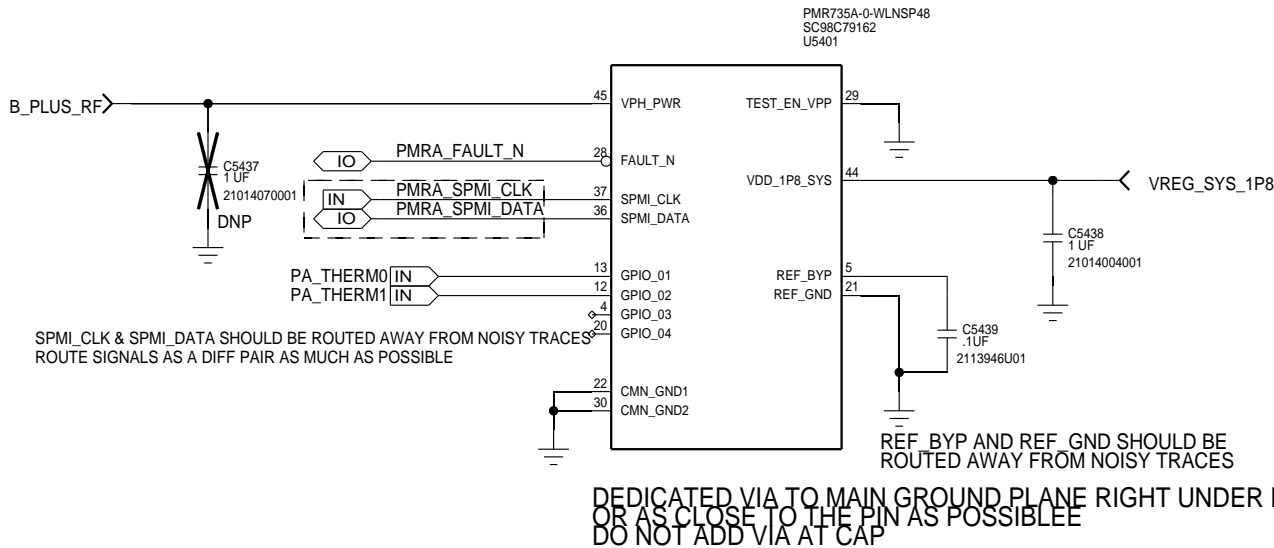
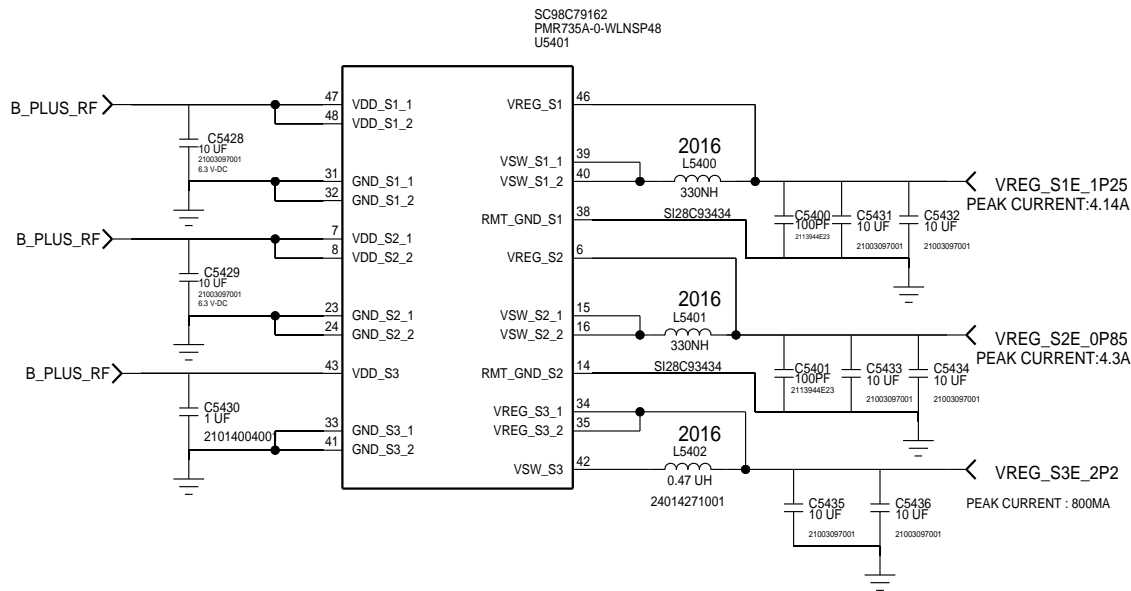
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REF 5100-5199

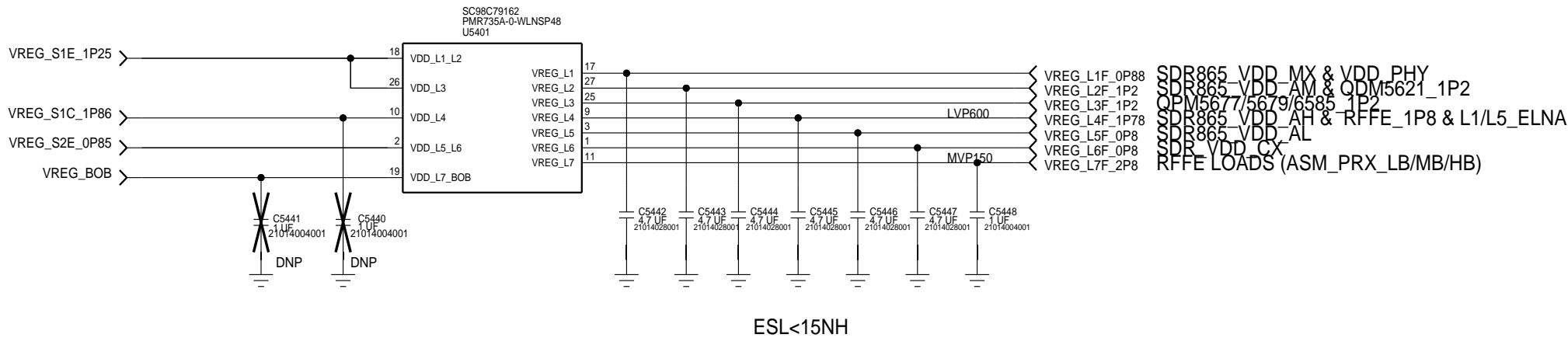



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		CAD FILE NAME: PAGE 49 OF 90	

PMR735A: RF_PMIC
REF 5300-5399

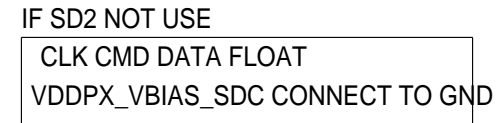



DEDICATED VIA TO MAIN GROUND PLANE RIGHT UNDER PMIV PIN(REF_GND)
OR AS CLOSE TO THE PIN AS POSSIBLE
DO NOT ADD VIA AT CAP



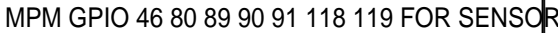
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		CAD FILE NAME:	
		PAGE 50 OF 90	

REFDES: 1000-1099




APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA	BLOCK TITLE: <div>ap_pmic</div>		
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:04:46 2021			
MOTOROLA CONFIDENTIAL RESTRICTED <hr/> <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 yukon_mb_pvt_20210901.cpm	REV 01
		CAD FILE NAME:	PAGE 51 OF 90

REFDES: 1000-1099



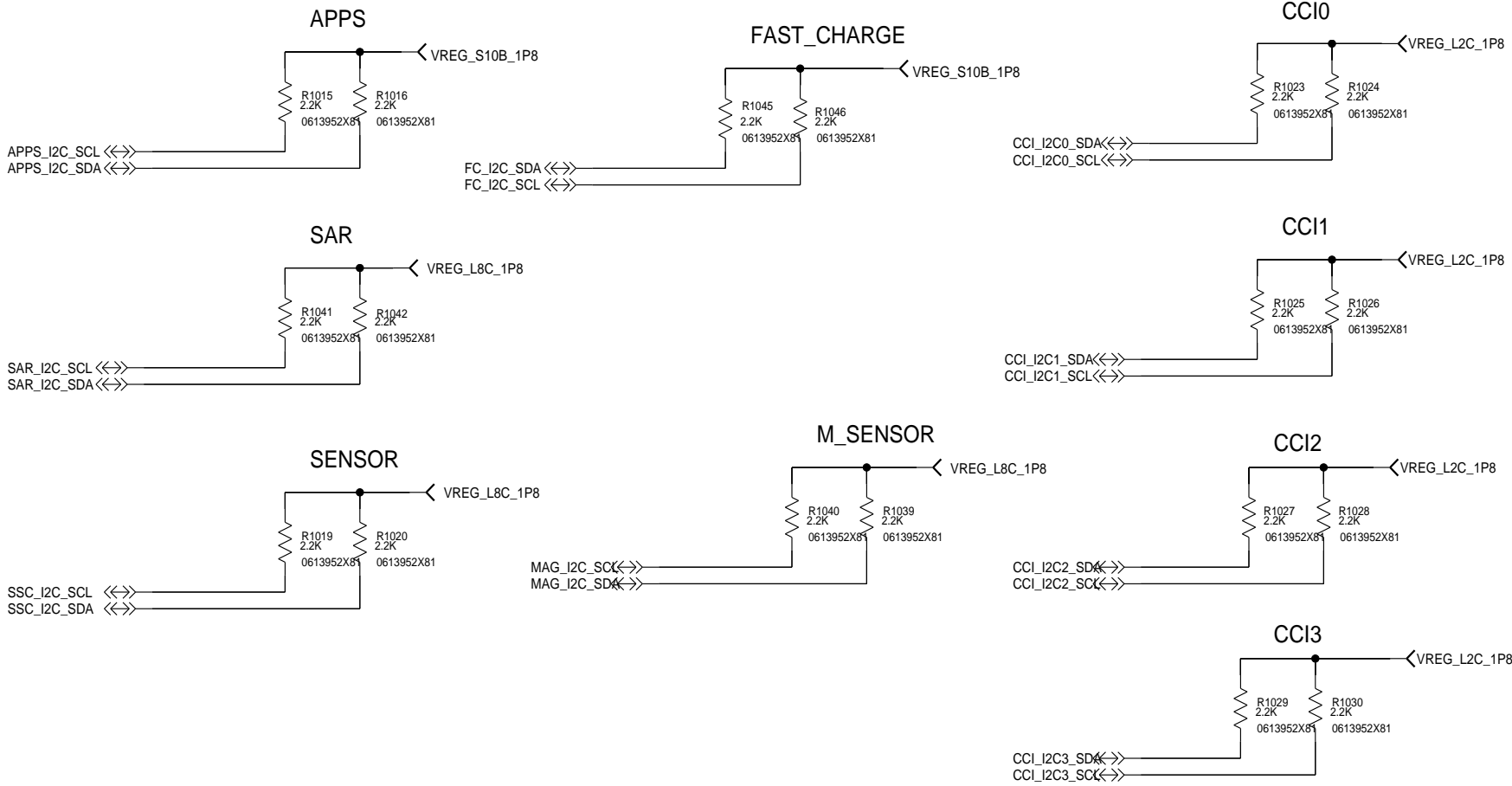
 SOUND WIRE 50 OHM IMPEDANCE CONTROL

APPROVALS		 MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:04:46 2021			
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		CAD FILE NAME:	PAGE 52 OF 90

SM8350: SUPPORT

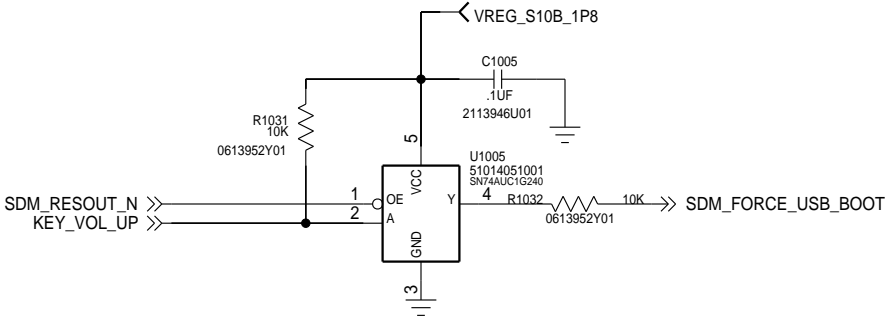
REFDES: 1000-1099

I2C PULL-UP RESISTORS

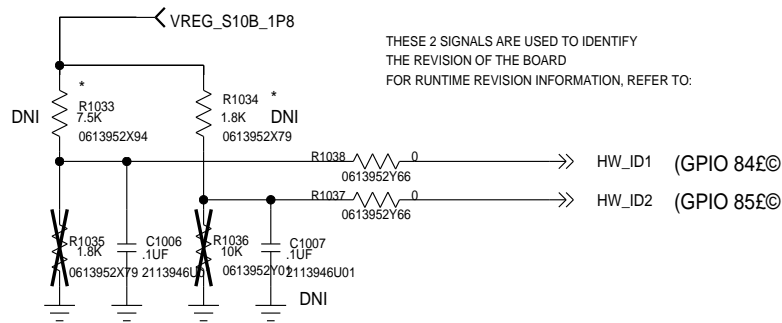


(DNI FOR PRODUCTION AND LAB ENTRY)

FORCE FLASH SUPPORT WITH VOL UP KEY




PRODUCT HW ID

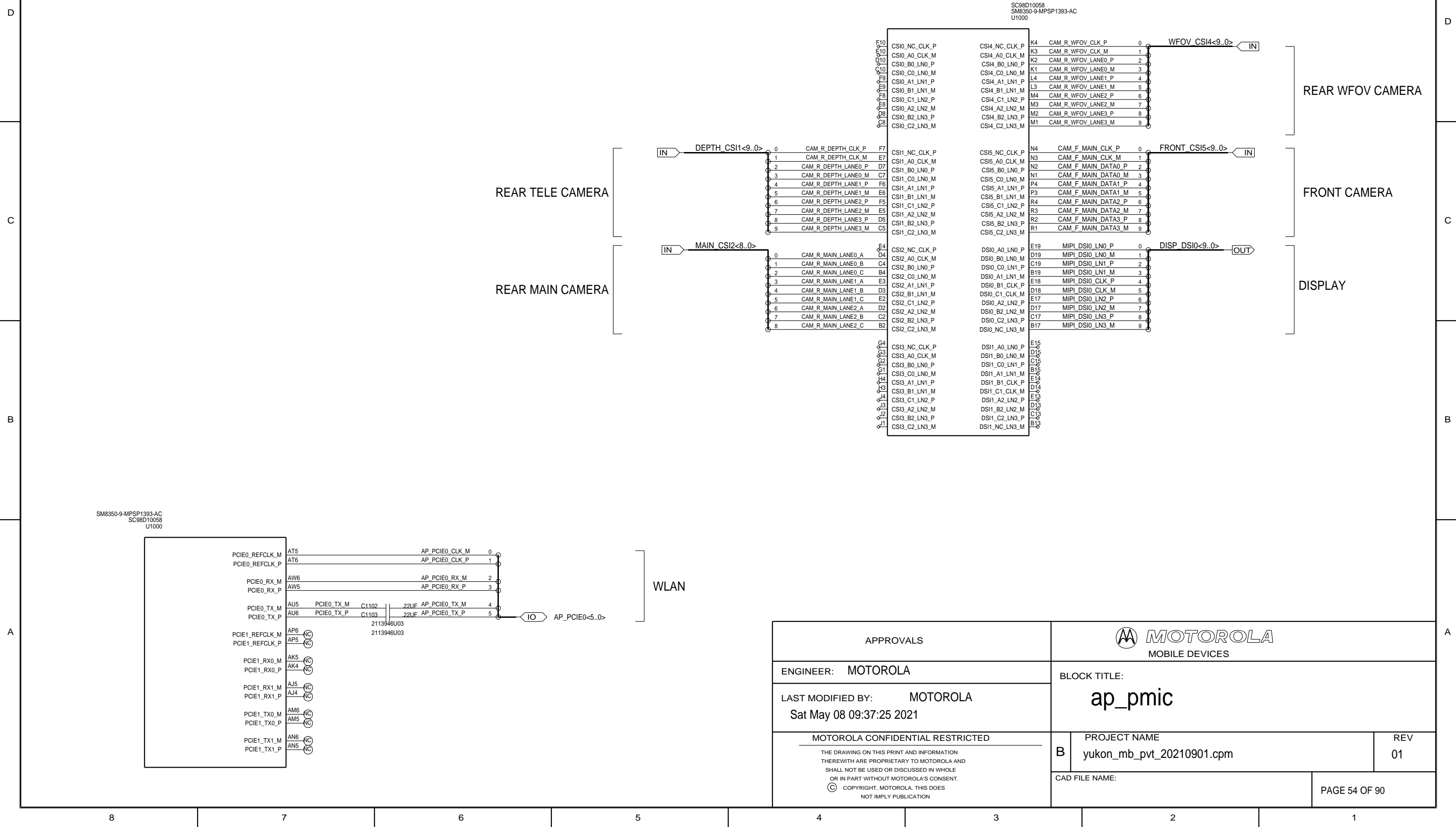


JTAG CONNECTOR

(DNI FOR PRODUCTION)

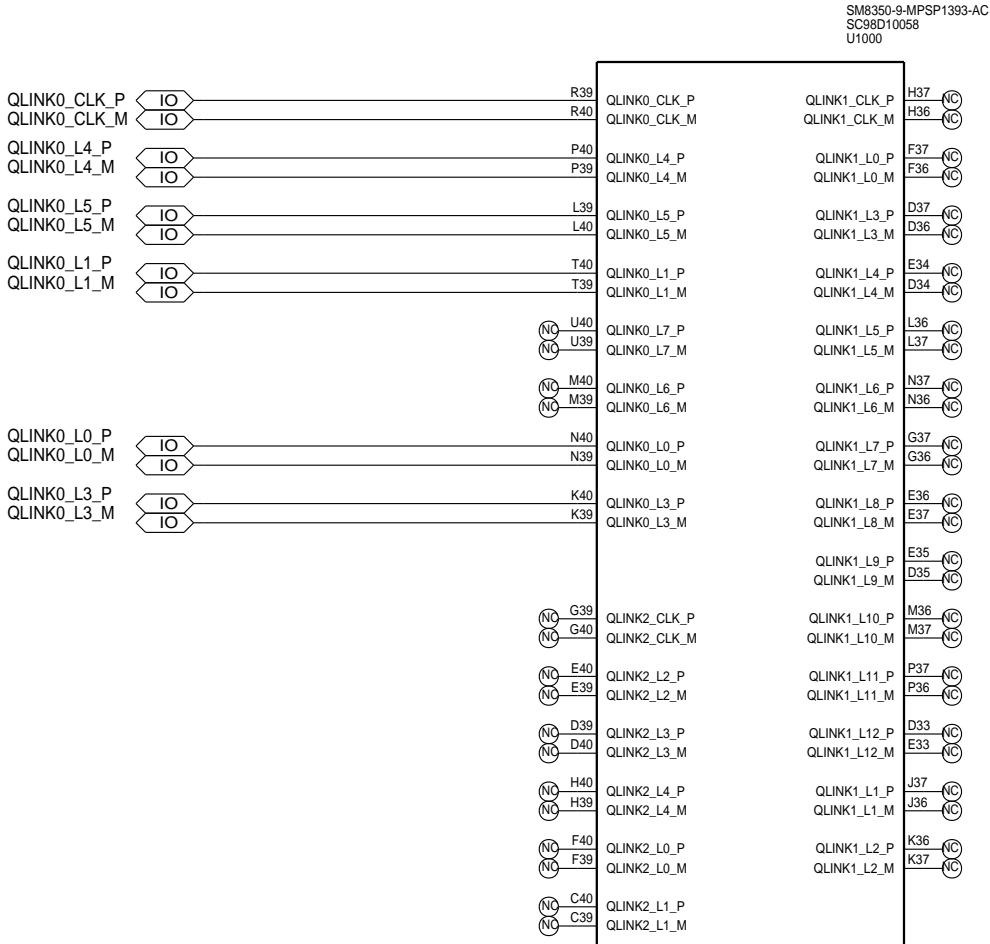
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LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:04:48 2021		ap_pmic	
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		REV 01	
		CAD FILE NAME:	
		PAGE 53 OF 90	


REFDES: 1100-1199



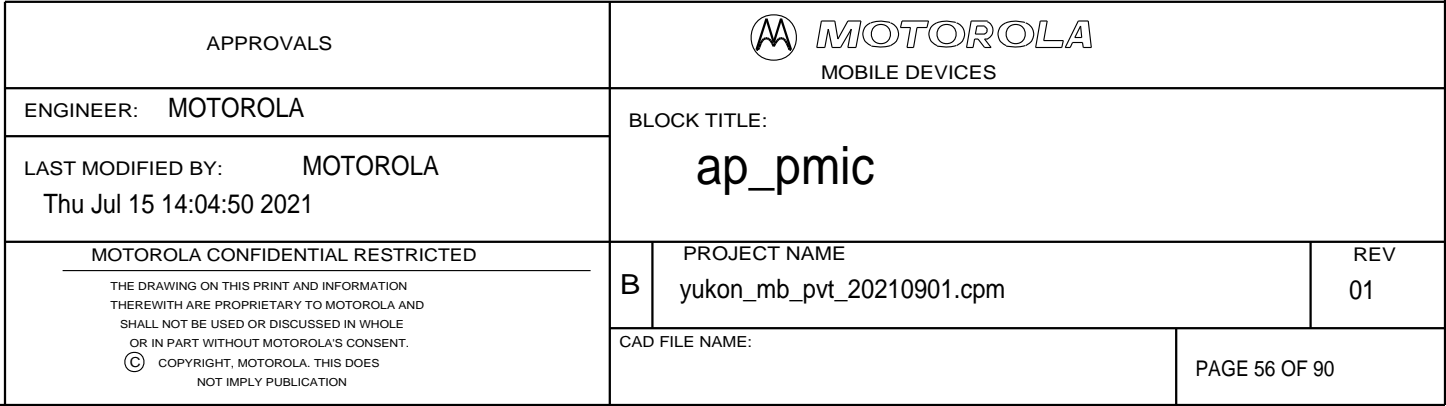
SM8350: QLINK

REFDES: 1100-1199



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LAST MODIFIED BY: MOTOROLA Sat May 08 09:37:59 2021				
<div>MOTOROLA CONFIDENTIAL RESTRICTED</div> <div>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.</div> <div>© COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</div>		PROJECT NAME		REV
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		CAD FILE NAME:		PAGE 55 OF 90

REFDES: 1200-1249



REFDES: 1250-1299



APPROVALS

ENGINEER: MOTOROLA

LAST MODIFIED BY: MOTOROLA
Thu Jul 15 14:04:52 2021

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BLOCK TITLE:

ap_pmic

B	PROJECT NAME yukon_mb_pvt_20210901.cpm
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CAD FILE NAME:

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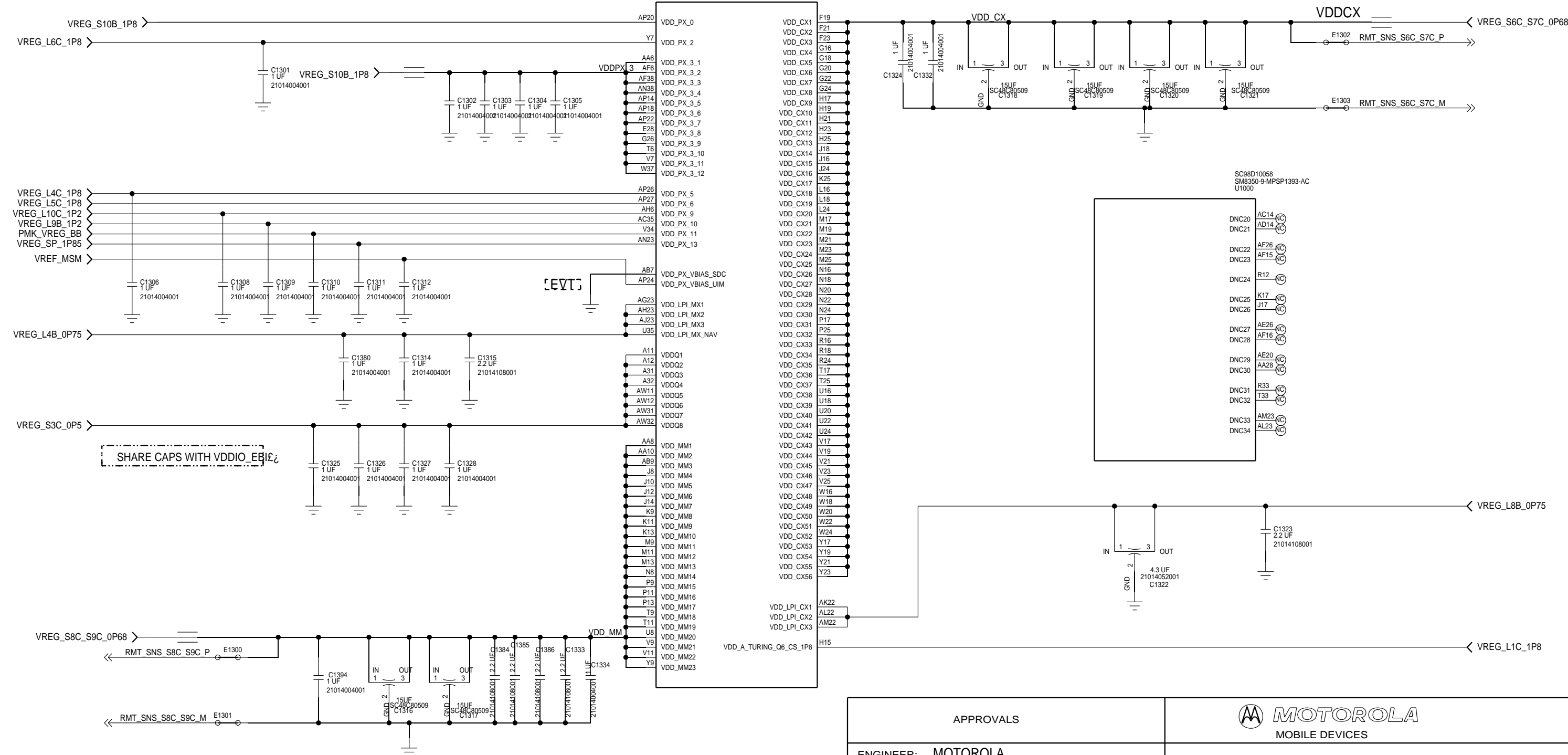
PAGE 57 OF 90


SM8350: PWR 3

REFDES: 1300-1349

QC REVIEW 6/30

SC98D10058
SM8350-9-MPSP1393-AC
U1000

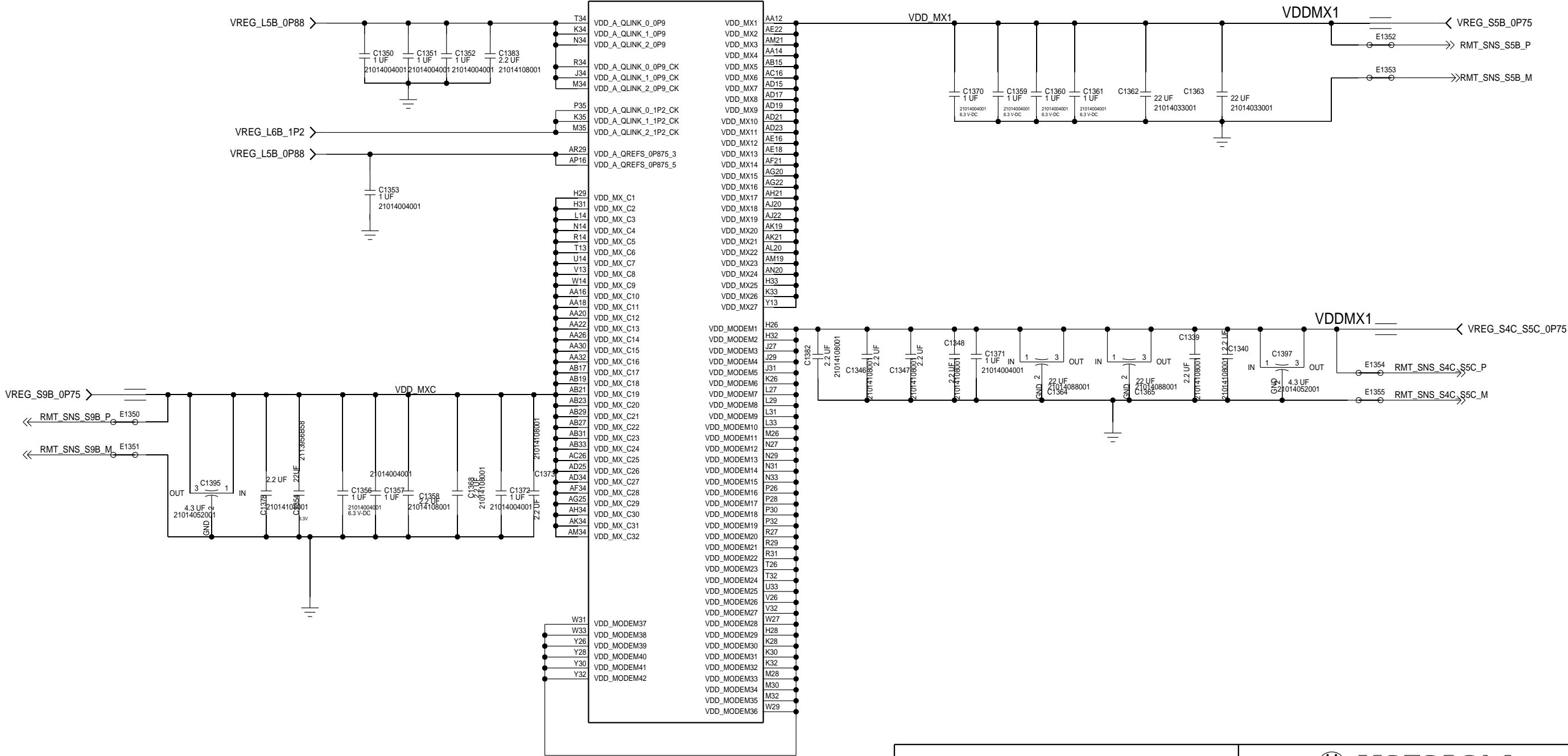



APPROVALS		 MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:04:53 2021		ap_pmic	
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		B yukon_mb_pvt_20210901.cpm	
		REV 01	
		CAD FILE NAME:	
		PAGE 58 OF 90	

SM8350: PWR 4

REFDES: 1350-1399

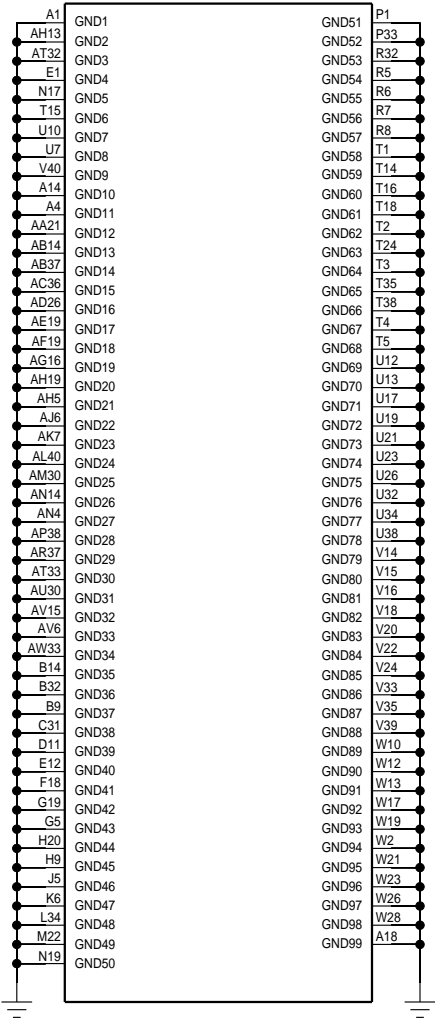
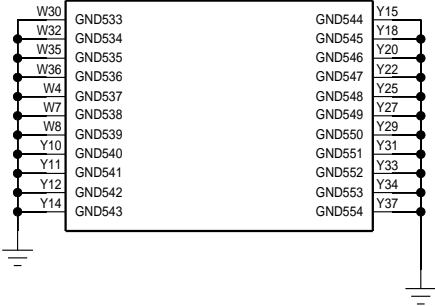
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SM8350-9-MPSP1393-AC
U1000



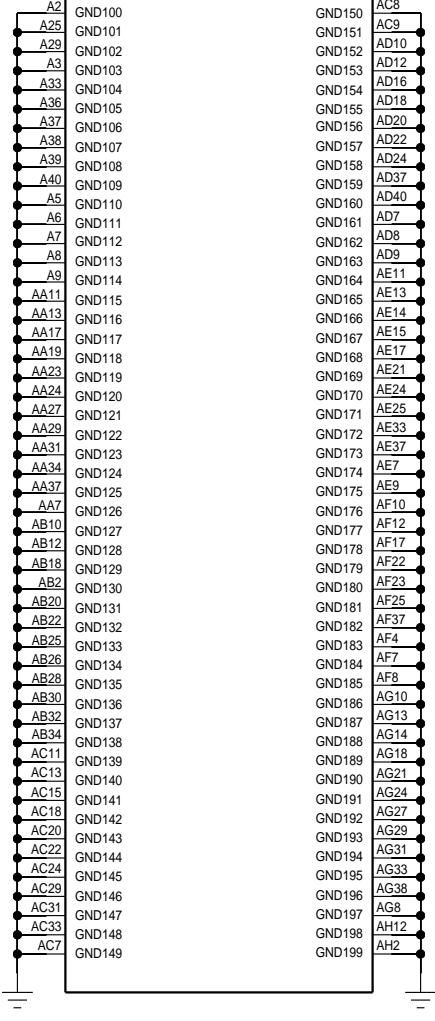
APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:04:54 2021		ap_pmic	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME	
		B yukon_mb_pvt_20210901.cpm	
		REV 01	
		CAD FILE NAME:	
		PAGE 59 OF 90	

SM8350: GND

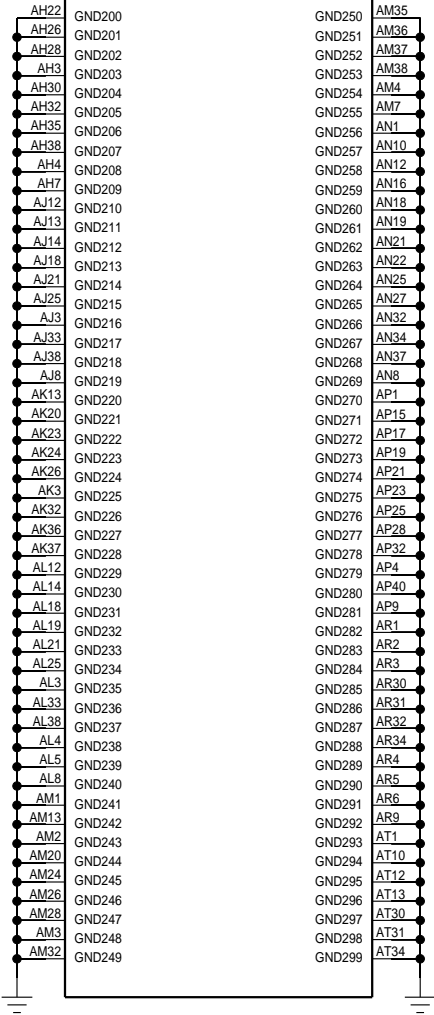
REFDES: 1100-1199



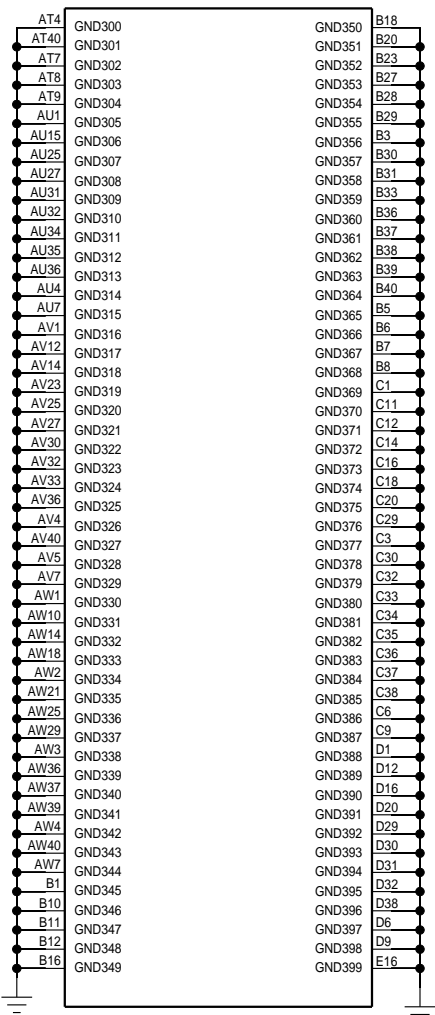
SC98D10058
SM8350-9-MPSP1393-AC
U1000



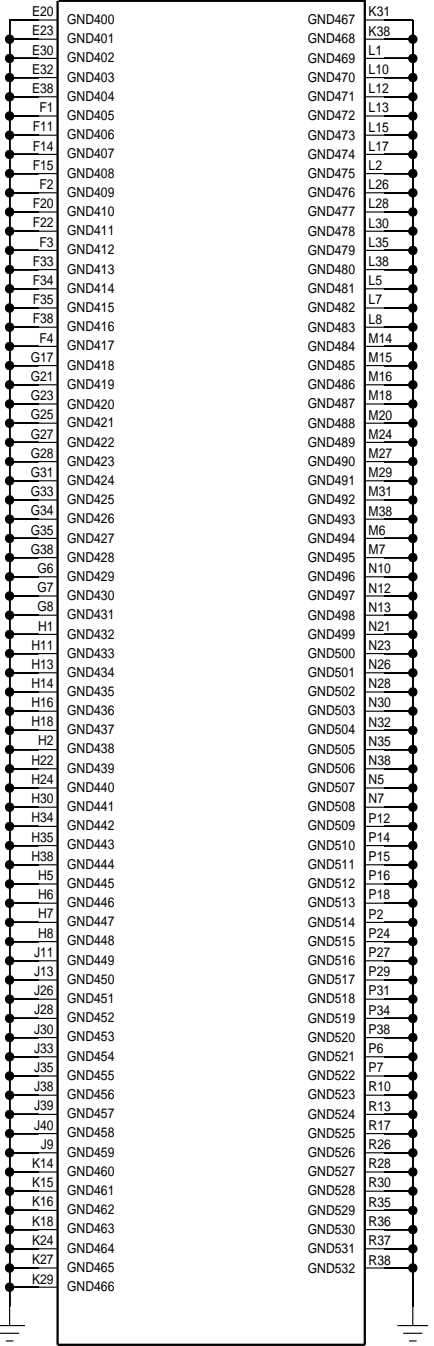
SC98D10058
SM8350-9-MPSP1393-AC
U1000




SC98D10058
SM8350-9-MPSP1393-AC
U1000



SC98D10058
SM8350-9-MPSP1393-AC
U1000

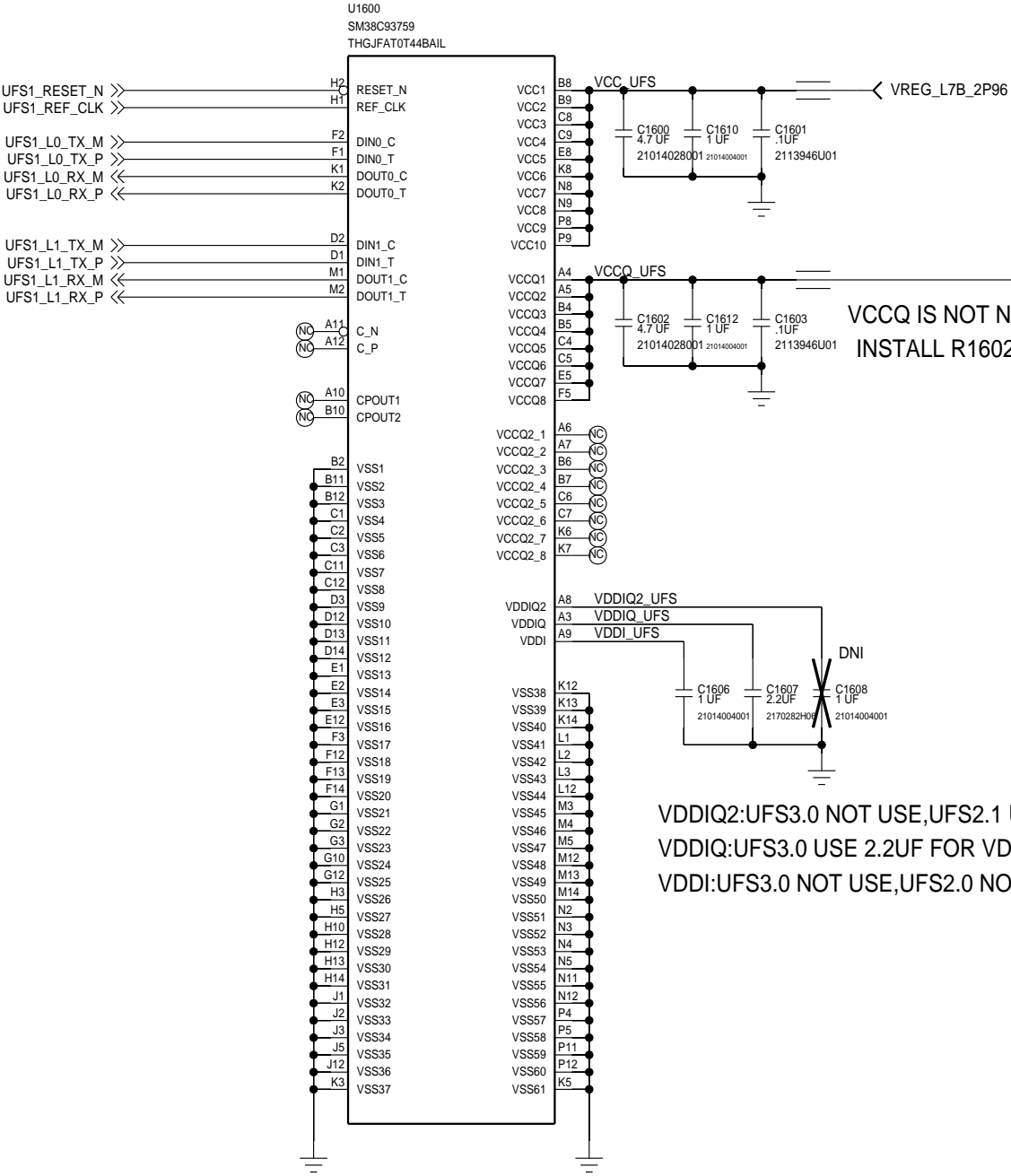
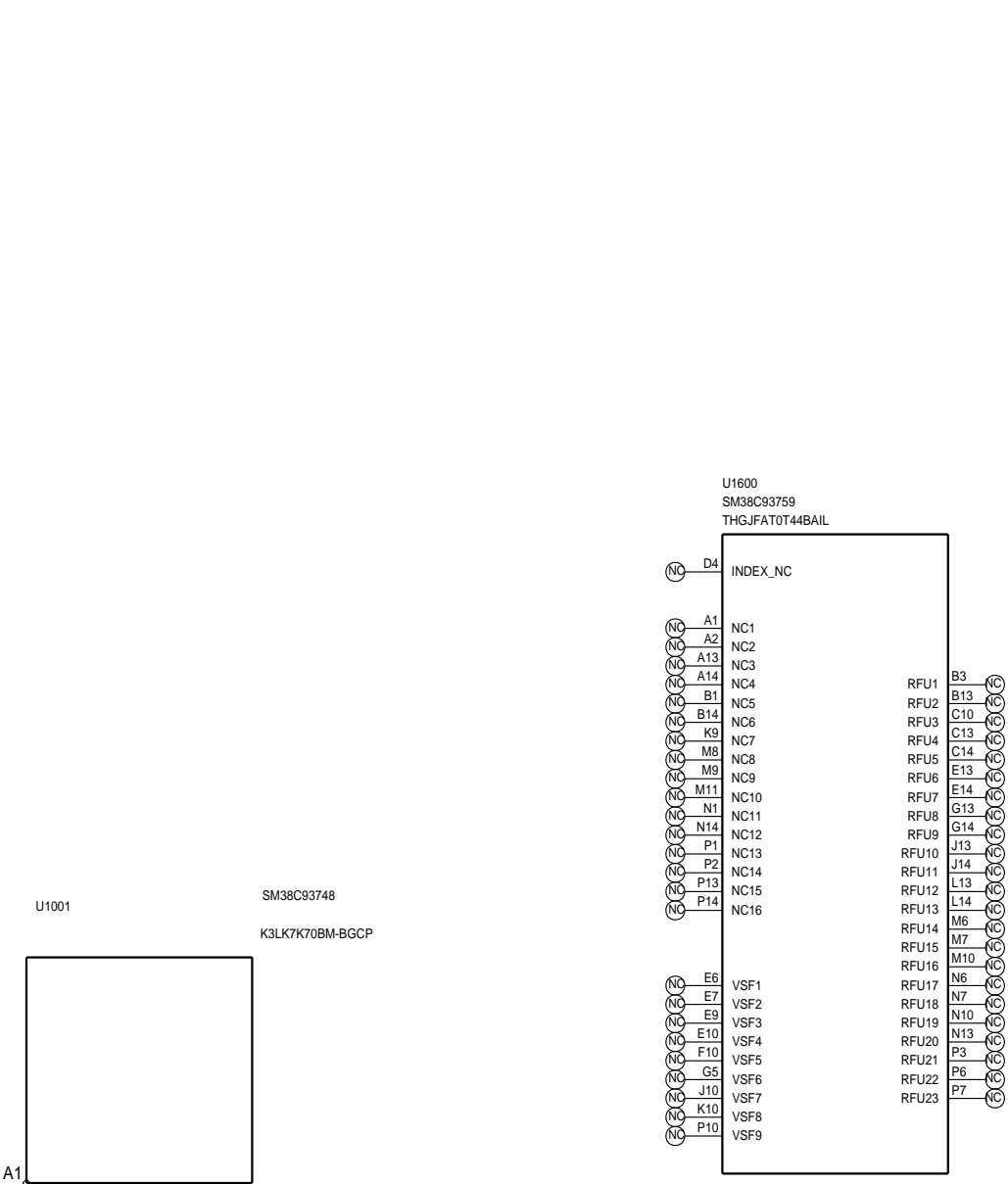


SC98D10058
SM8350-9-MPSP1393-AC
U1000


APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:04:55 2021		ap_pmic	
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		yukon_mb_pvt_20210901.cpm	
		CAD FILE NAME:	
		PAGE 60 OF 90	
		REV 01	

MEMORY: UFS3.1/POP LPDDR5X

REFDES: 1600-1699

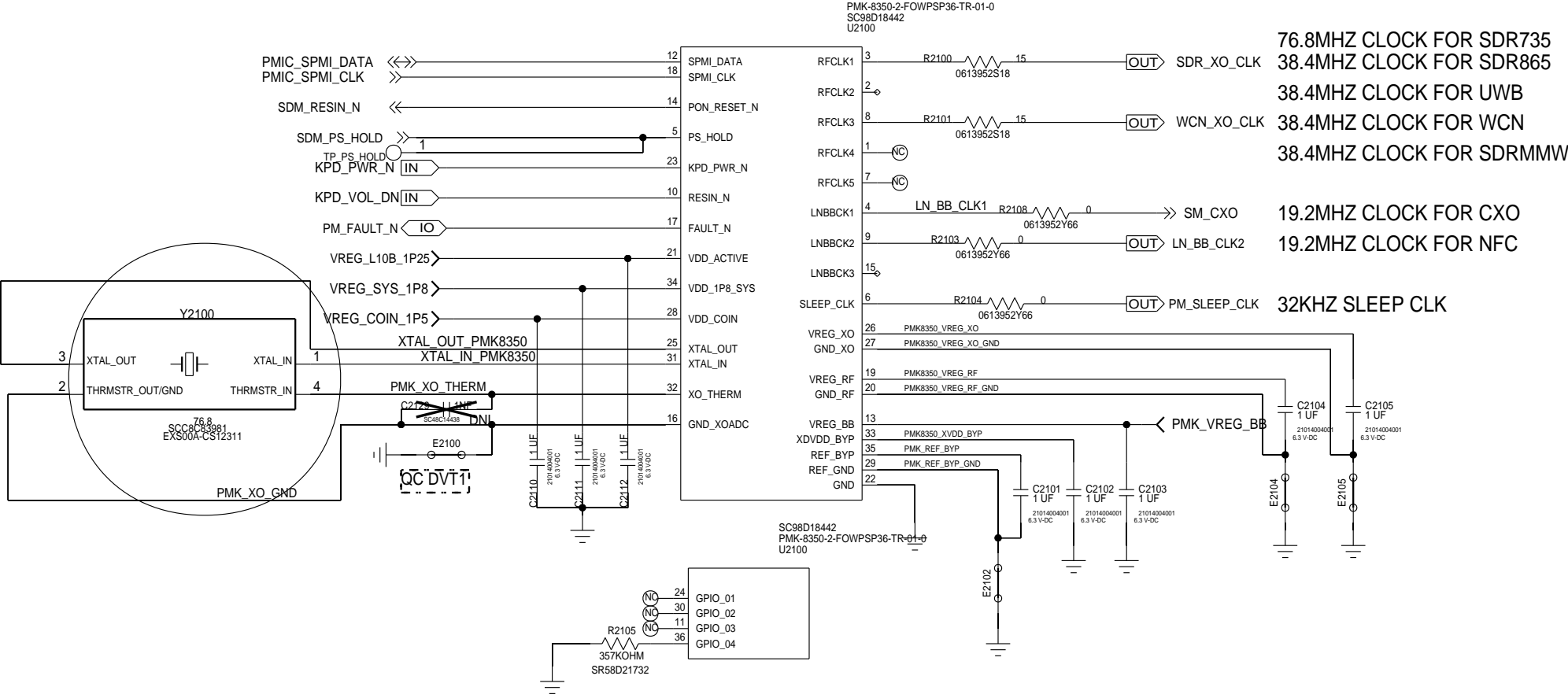



VDDIQ2:UFS3.0 NOT USE,UFS2.1 USE 1UF
VDDIQ:UFS3.0 USE 2.2UF FOR VDDIQ,UFS2.0 NOT USE EXTERNAL CAPACITOR
VDDI:UFS3.0 NOT USE,UFS2.0 NOT USE EXTERNAL CAPACITOR

APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Tue Aug 03 15:45:31 2021		ap_pmic	
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		B yukon_mb_pvt_20210901.cpm	
		REV 01	
		PAGE 61 OF 90	

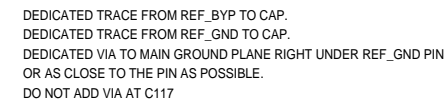
PMK8350

REFDES: 1200-1249



APPROVALS		<div> MOTOROLA</div> <div>MOBILE DEVICES</div>		
ENGINEER: MOTOROLA		BLOCK TITLE: ap_pmic		
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:04:58 2021				
<div>MOTOROLA CONFIDENTIAL RESTRICTED</div> <div>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.</div> <div>© COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</div>		PROJECT NAME		REV
		B yukon_mb_pvt_20210901.cpm		01
		CAD FILE NAME:		PAGE 62 OF 90

REFDES: 2000-2099



REF_BYN AND REF_GND SHOULD BE
ROUTED AWAY FROM NOISY TRACES

CRITICAL LAYOUT GUIDELINES FOR CLOCKS

COUPLING TO ANY RFCLK OR LNBCLK OUTPUT FROM EACH AGGRESSOR SHOULD BE < 50 FF.

1. SMPS COMPONENTS (BUCK, BOOST, CHARGER)
2. VSW_SX TRACES (BUCK, BOOST, CHARGER)
3. ALL OTHER RFCLK, LNBCLK
4. ANY HIGH SPEED DIGITAL SIGNAL
5. ANY OTHER NOISY SIGNALS

CRITICAL LAYOUT GUIDELINES FOR VREF_RF (GO/PMICLAYOUTCHECKLIST)

PREFERRED: SHORT, DEDICATED ROUTE TO VREG_RF CAP,
AWAY FROM NOISY SIGNALS AND DEDICATED VIA TO MAIN GROUND PLANE AT CAP OR PMIC PIN.

ACCEPTABLE: DEDICATED VIA DIRECTLY TO MAIN GROUND PLANE AT THE GND_CLKSX0 PIN AND AT VREG_RF CAP (WITHOUT ROUTING TO CAP).


DO NOT CONNECT TO ANY OTHER GROUND.

LOOP DCR MUST BE <1000 M?
LOOP INDUCTANCE MUST BE <3 NH

GND_XOADC
SKINNY TRACE TO XTAL COMPONENTS GROUND.
ONE DEDICATED VIA TO MAIN GROUND PLACE AS CLOSE TO PMIC PIN AS POSSIBLE

CRITICAL LAYOUT GUIDELINES FOR VREG_XO
SHORT, DEDICATED ROUTE TO VREG_XO CAP,
AWAY FROM NOISY SIGNALS AND DEDICATED VIA TO MAIN GROUND PLANE AT CAP.

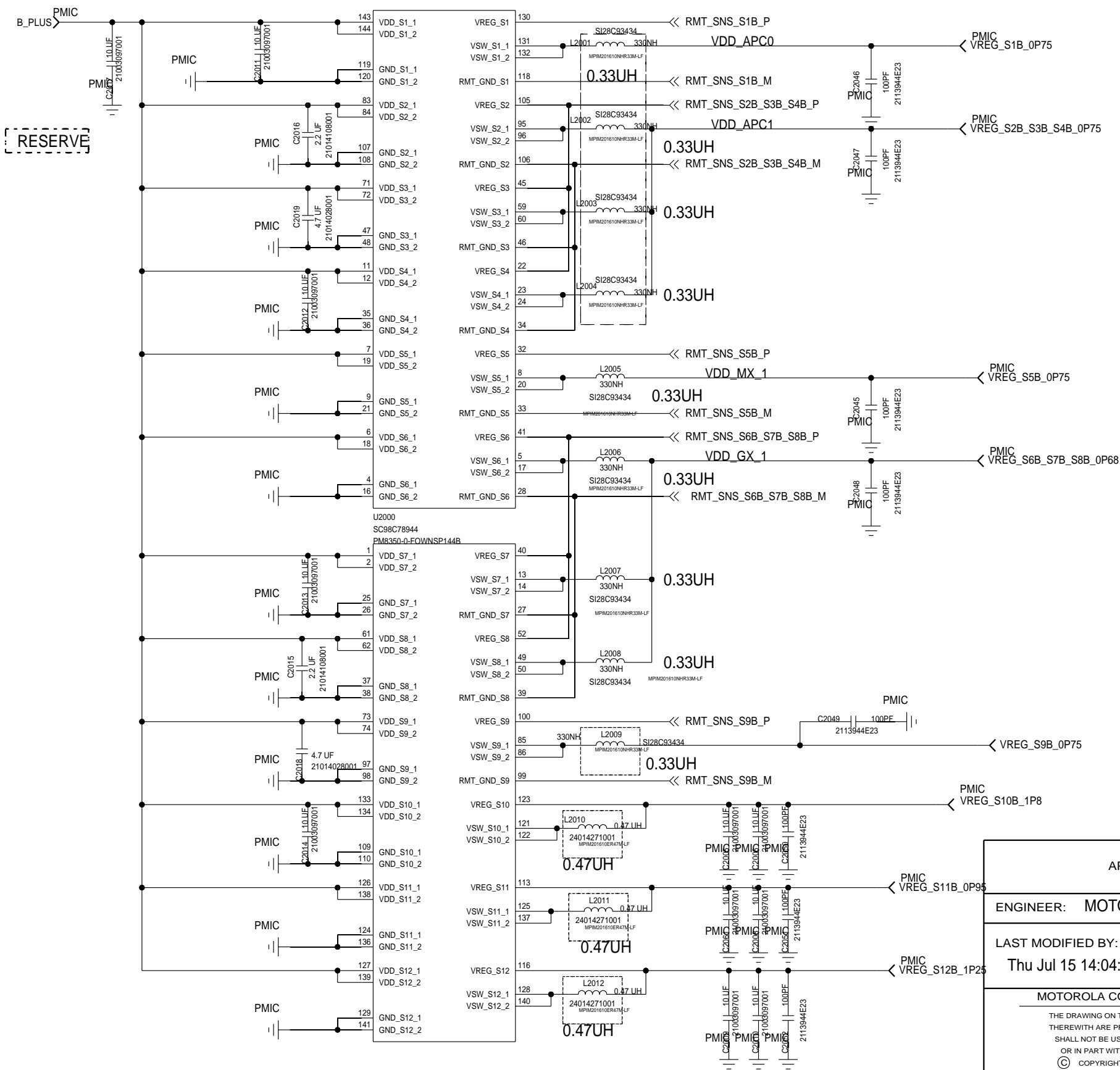
DO NOT CONNECT TO ANY OTHER GROUND EXCEPT THE MAIN GND PLANE.

APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE: ap_pmic	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:04:58 2021			
MOTOROLA CONFIDENTIAL RESTRICTED		PROJECT NAME	
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		CAD FILE NAME:	
		PAGE 63 OF 90	

PM8350: BUCKS

REFDES: 2000-2099

PM8350-0-FOWNSP144B
SC98C78944
U2000

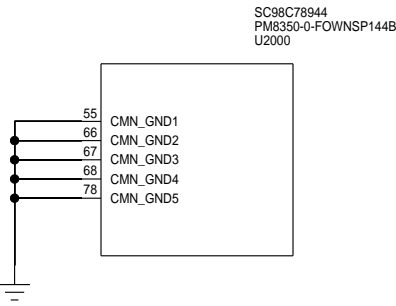
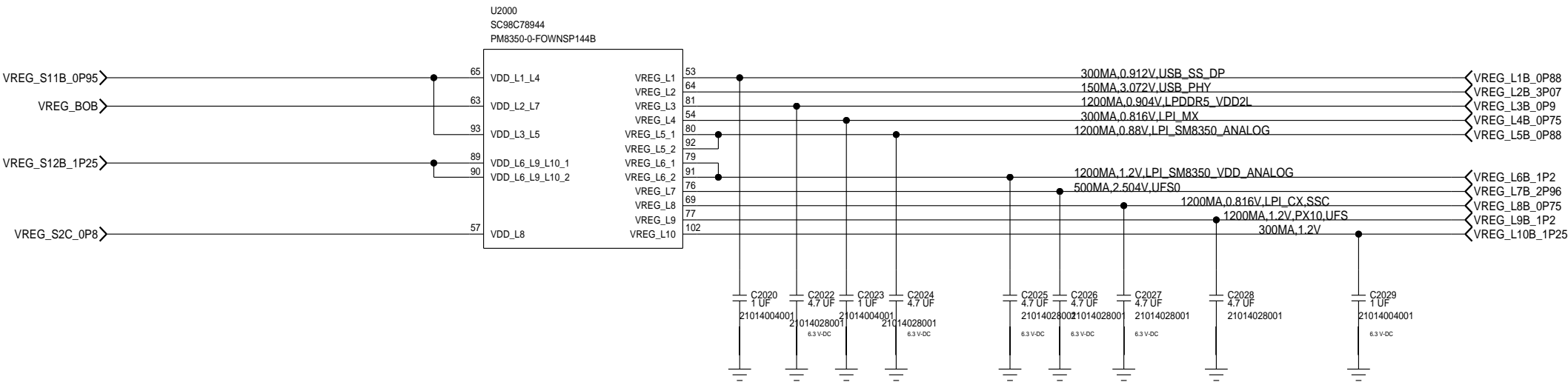



VREG_SX & RMT_GND_SX SHOULD BE ROUTED AS A DIFFERENTIAL PAIR
DO NOT ROUTE VREG_SX & RMT_GND_SX NEAR VIN_SX
DO NOT ROUTE VREG_SX & RMT_GND_SX NEAR VSW_SX UNLESS SEPARATED BY GROUND SHIELD

PM8350: LDOS/GND

REFDES: 2000-2099

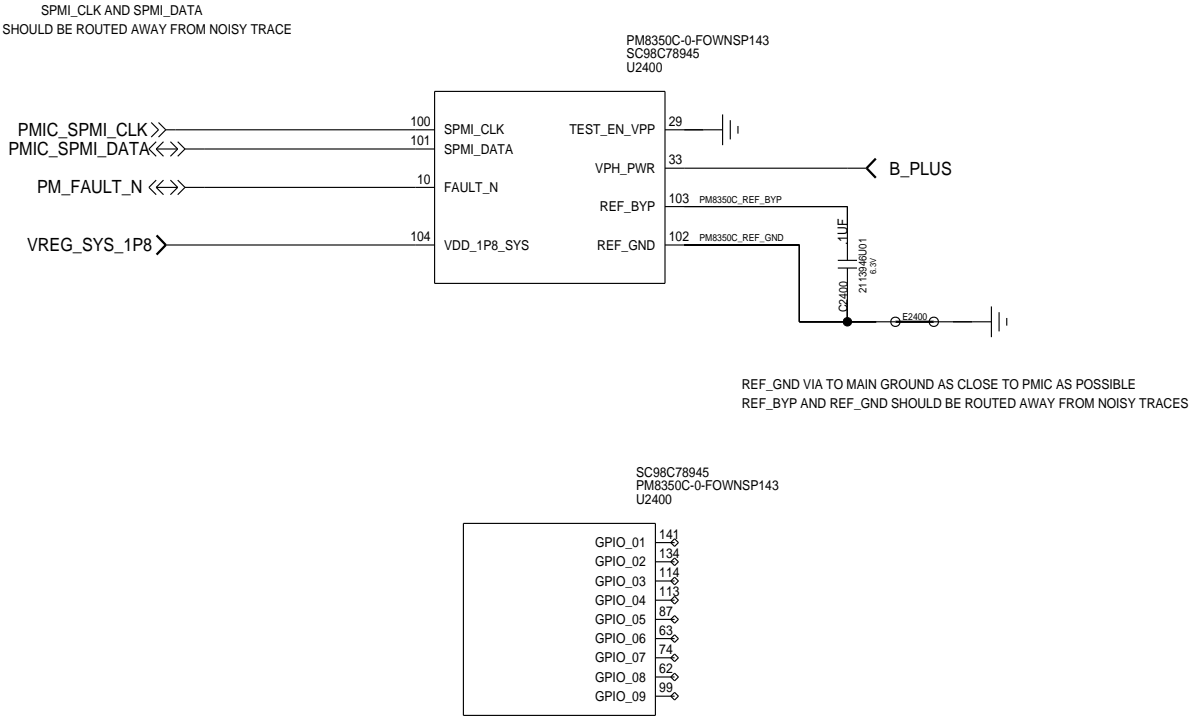
P-TYPE LDOS ARE PSUEDO-CAPLESS, CAPACITORS CAN BE PLACED NEAR LOAD.
REGULATORS POWERING PMIC INTERNAL CIRCUITS NEED CAPACITORS NEAR PMIC.
N-TYPE LDOS WITH >300MA RATING NEED LOCAL CAPACITORS NEAR PMIC.




APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE: ap_pmic	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:05:00 2021			
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		CAD FILE NAME: PAGE 65 OF 90	

PM8350C: CTRL/GPIO

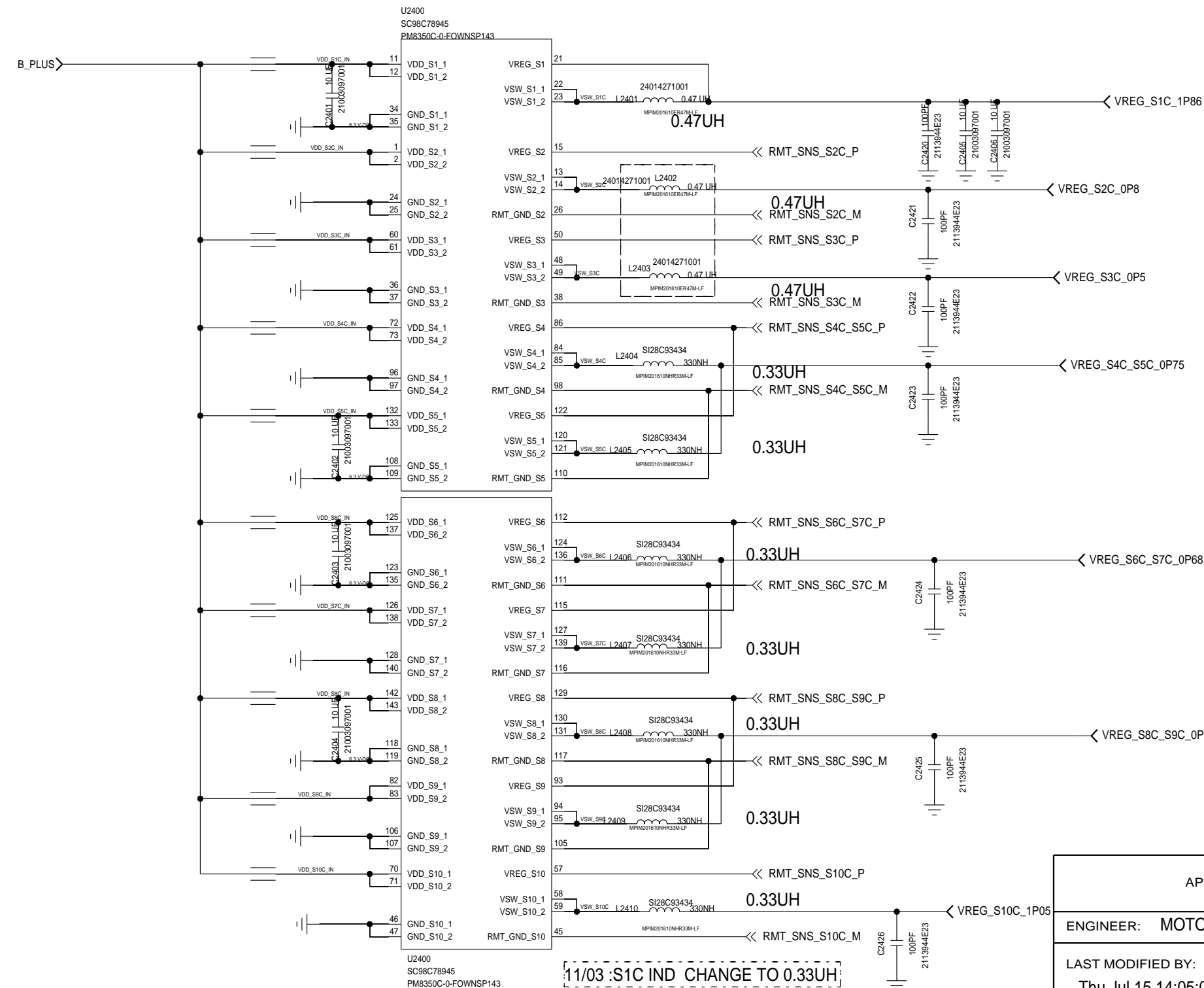
REFDES: 2400-2499




APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:05:01 2021		ap_pmic	
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		CAD FILE NAME:	
		REV 01	
		PAGE 66 OF 90	

PM8350C: BUCKS

REFDES: 2400-2499

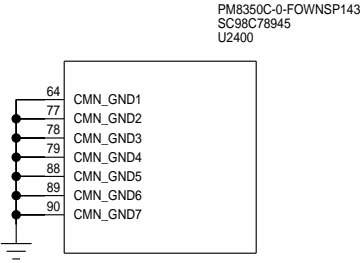
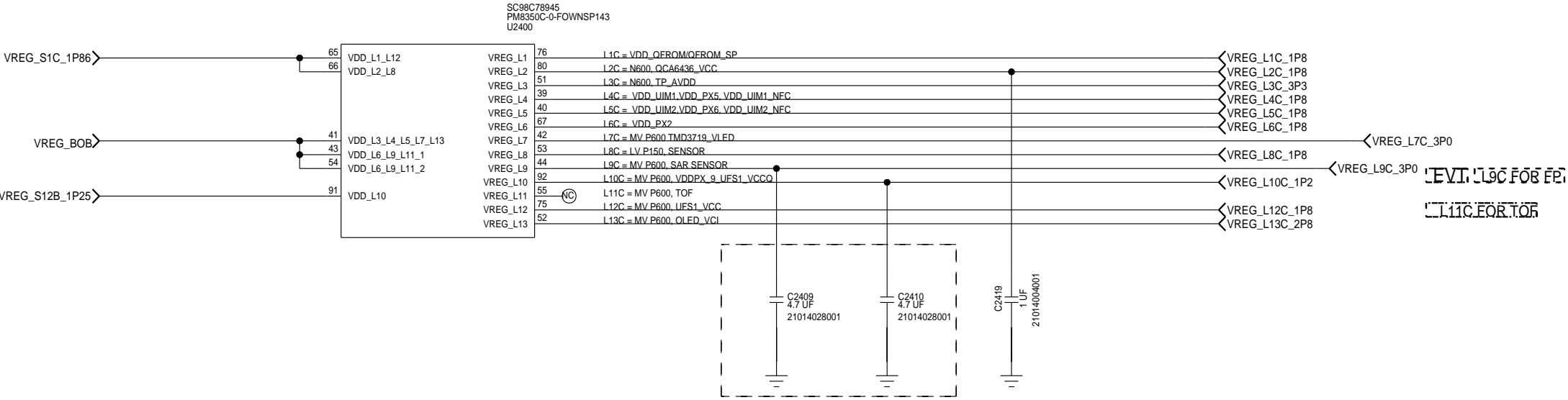



11/03 :S1C IND CHANGE TO 0.33UH

APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:05:02 2021		ap_pmic	
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		B yukon_mb_pvt_20210901.cpm	
		CAD FILE NAME:	
		PAGE 67 OF 90	
REV 01			

PM8350C: LDOS/GND

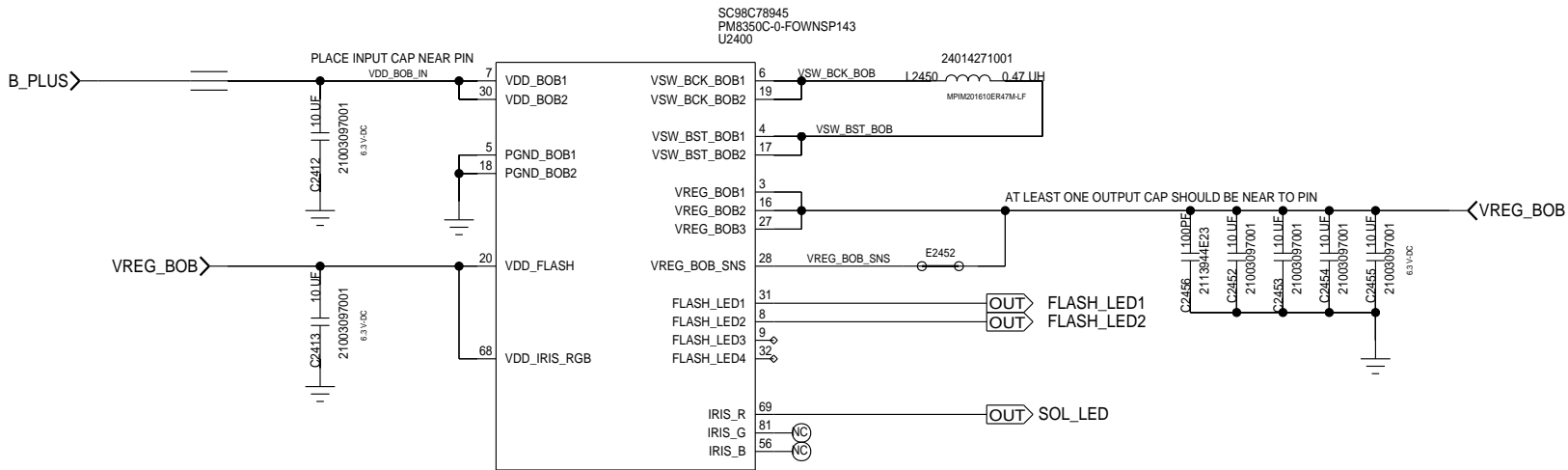
REFDES: 2400-2499




APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:05:03 2021		ap_pmic	
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		B yukon_mb_pvt_20210901.cpm	REV 01
		CAD FILE NAME:	
		PAGE 68 OF 90	

PM8350C: BOB/FLASH

REFDES:2400-2499

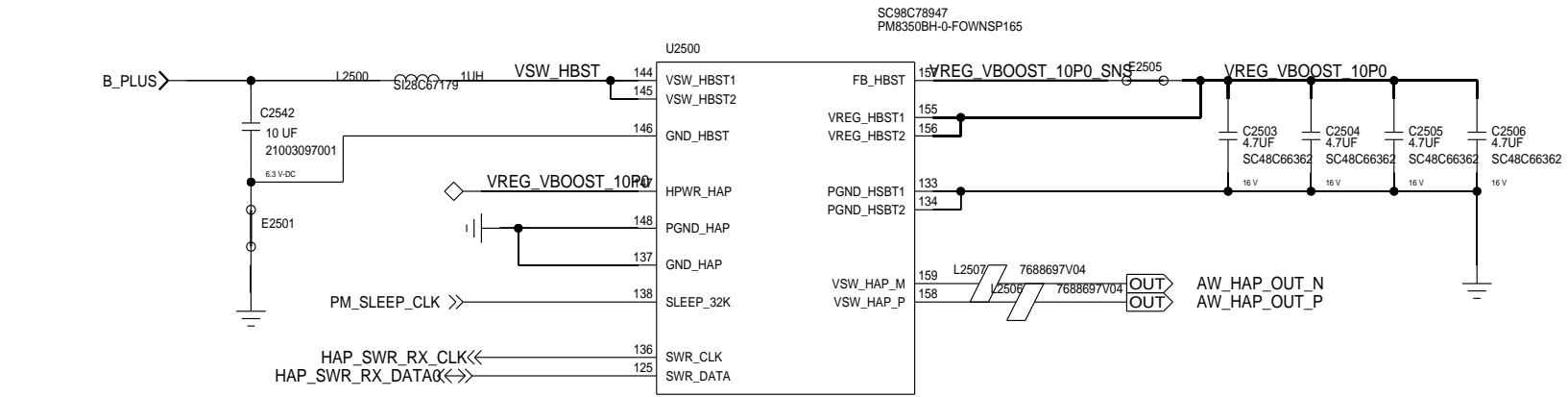
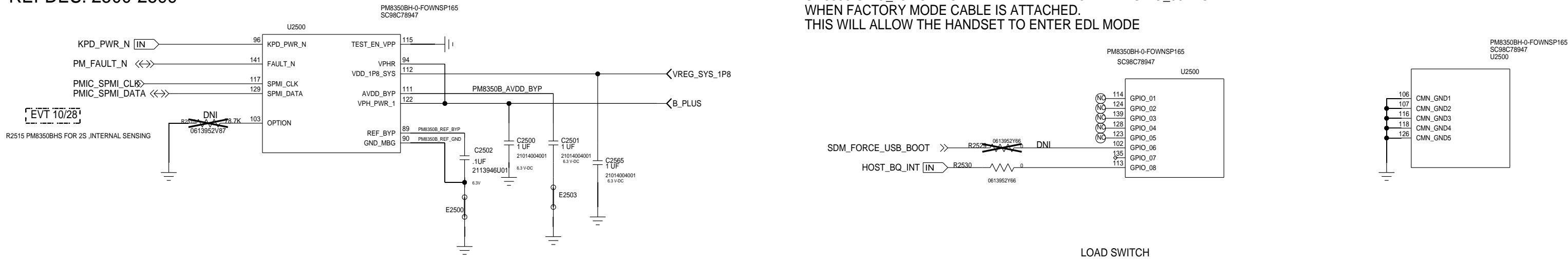



APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:05:04 2021		ap_pmic	
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		B yukon_mb_pvt_20210901.cpm	REV 01
		CAD FILE NAME:	
		PAGE 69 OF 90	

PM8350BHS: CTRL/HAPTICS

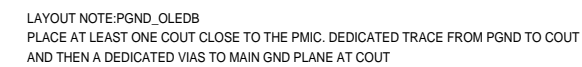
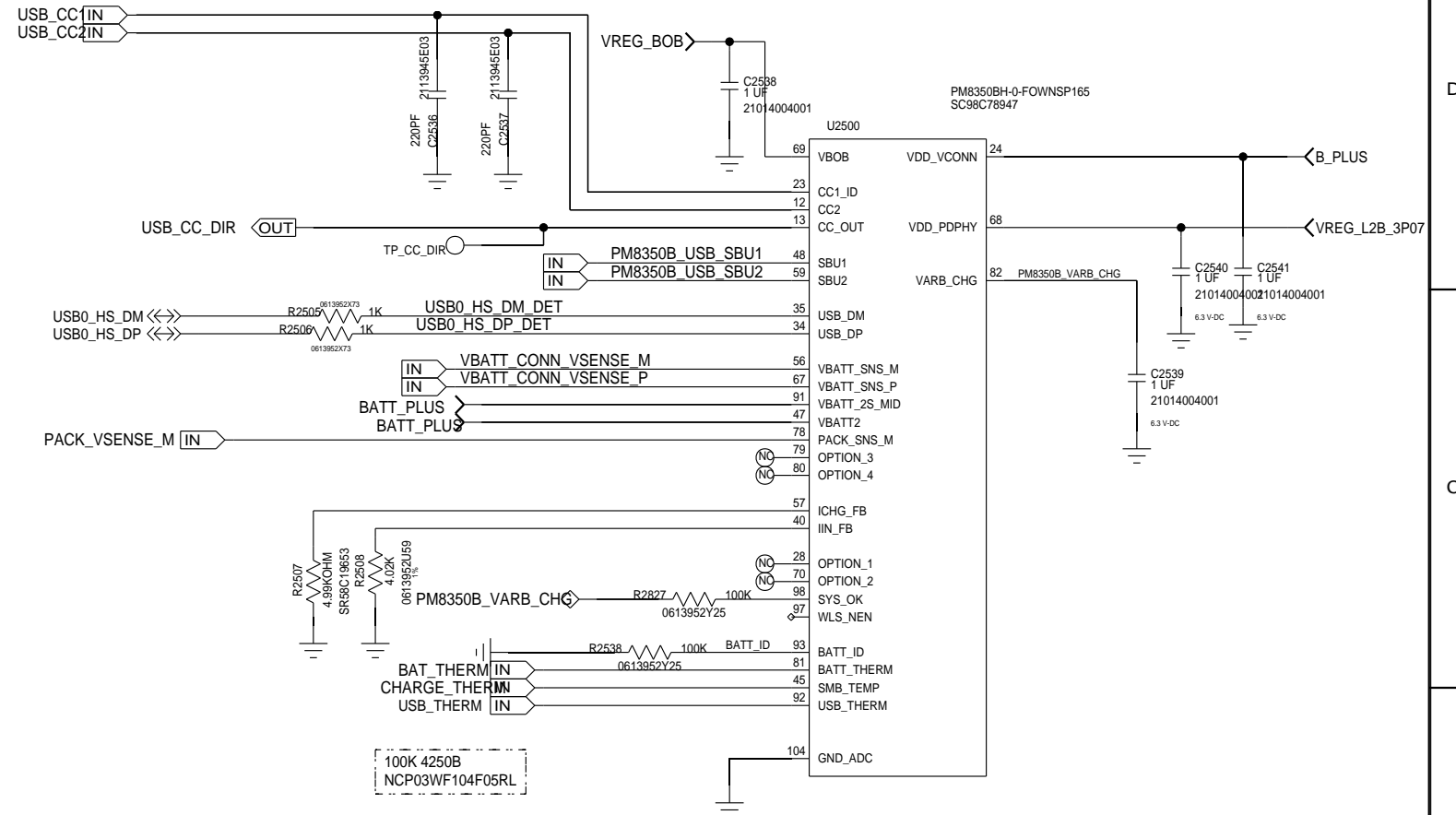
REFDES: 2500-2599

REV A: ADD 00HM R3234 RESISTOR FROM PM8350B GPIO_06 TO SM8350 GPIO_43 TO PROVIDE THE ABILITY TO DRIVE GPIO_06 HIGH WHEN FACTORY MODE CABLE IS ATTACHED. THIS WILL ALLOW THE HANDSET TO ENTER EDL MODE



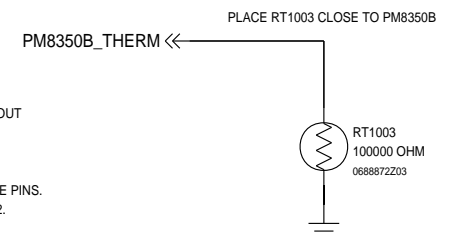
APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:05:05 2021		ap_pmic	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME	
		B yukon_mb_pvt_20210901.cpm	
		REV 01	
		CAD FILE NAME:	
		PAGE 70 OF 90	


REFDES: 2500-2599



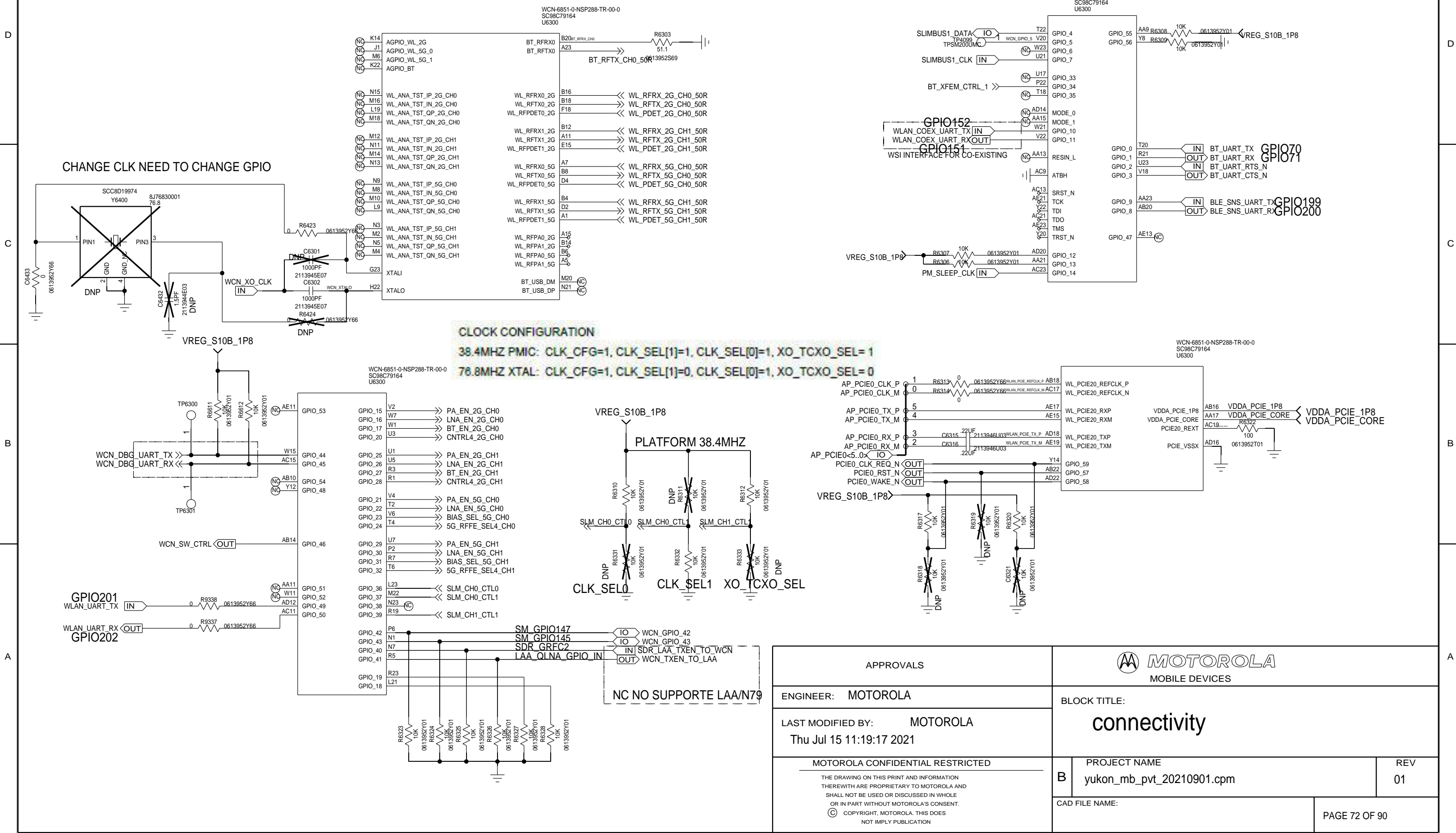
LAYOUT NOTE: LDO_IN_OLEDB SHOULD NOT CONNECT DIRECTLY TO VREG_OLEDB AT THE PINS. INSTEAD, LDO_IN_OLEDB AND VREG_OLEDB SHOULD STAR ROUTE CONNECT TO C633/C632.

LAYOUT NOTE: PGND_ELVD and MID_ELVD
ROUTE FROM MID_ELVD TO CMID AND PGND_ELVD TO CMIN.
DEDICATED VIAS FROM CMID DIRECTLY TO THE MAIN GND PLANE.
TOTAL LOOP INDUCTANCE FROM VDISP_MID --> CMID --> PGND SHOULD BE < 2NH




APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA	BLOCK TITLE: <div>ap_pmic</div>		
LAST MODIFIED BY: MOTOROLA Thu Jul 15 14:05:06 2021			
MOTOROLA CONFIDENTIAL RESTRICTED <hr/> <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 yukon_mb_pvt_20210901.cpm	REV 01
		CAD FILE NAME:	PAGE 71 OF 90

CONN: WCN6851 RF/CTRL
REFDES 6300-6999

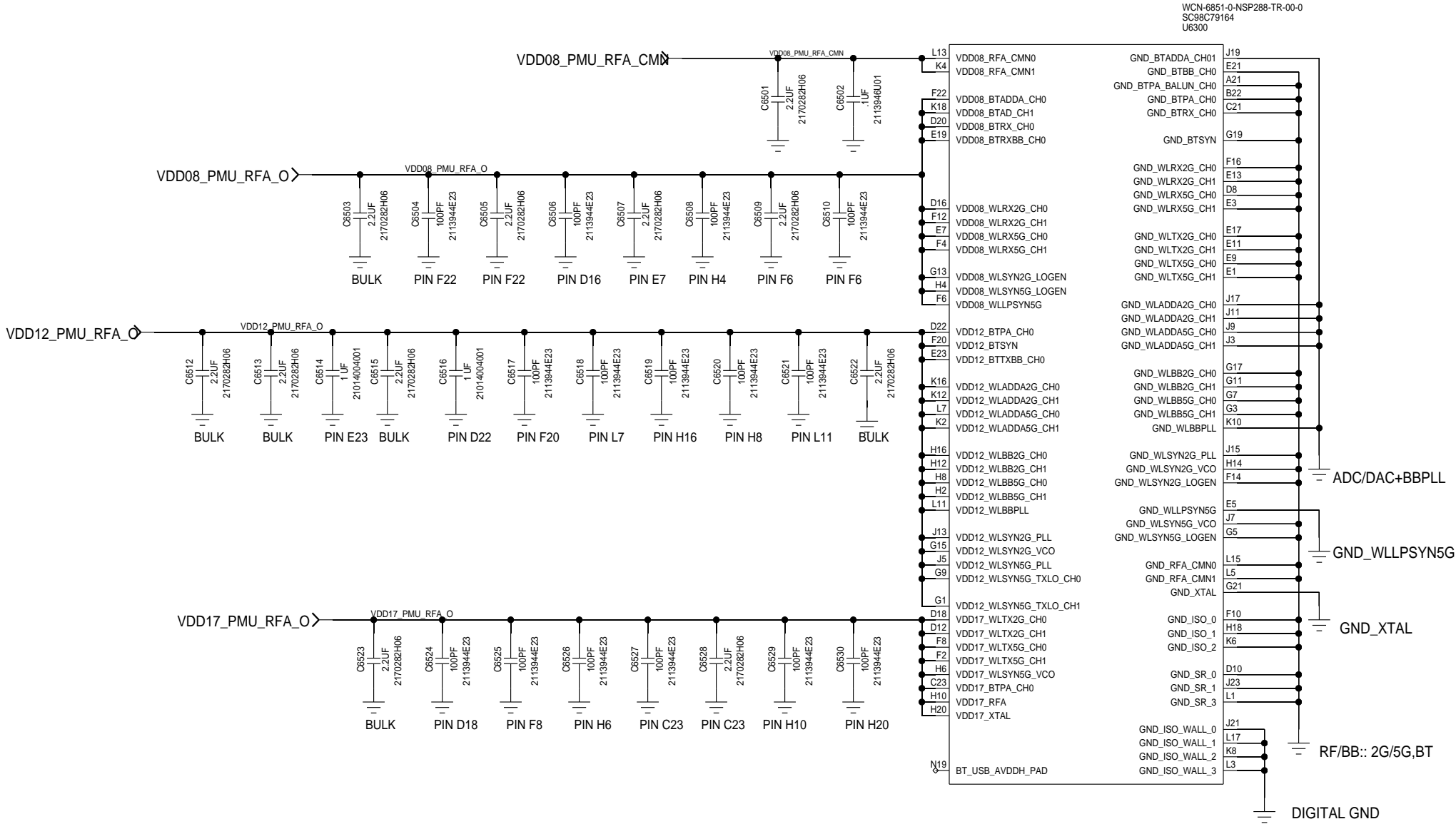


A



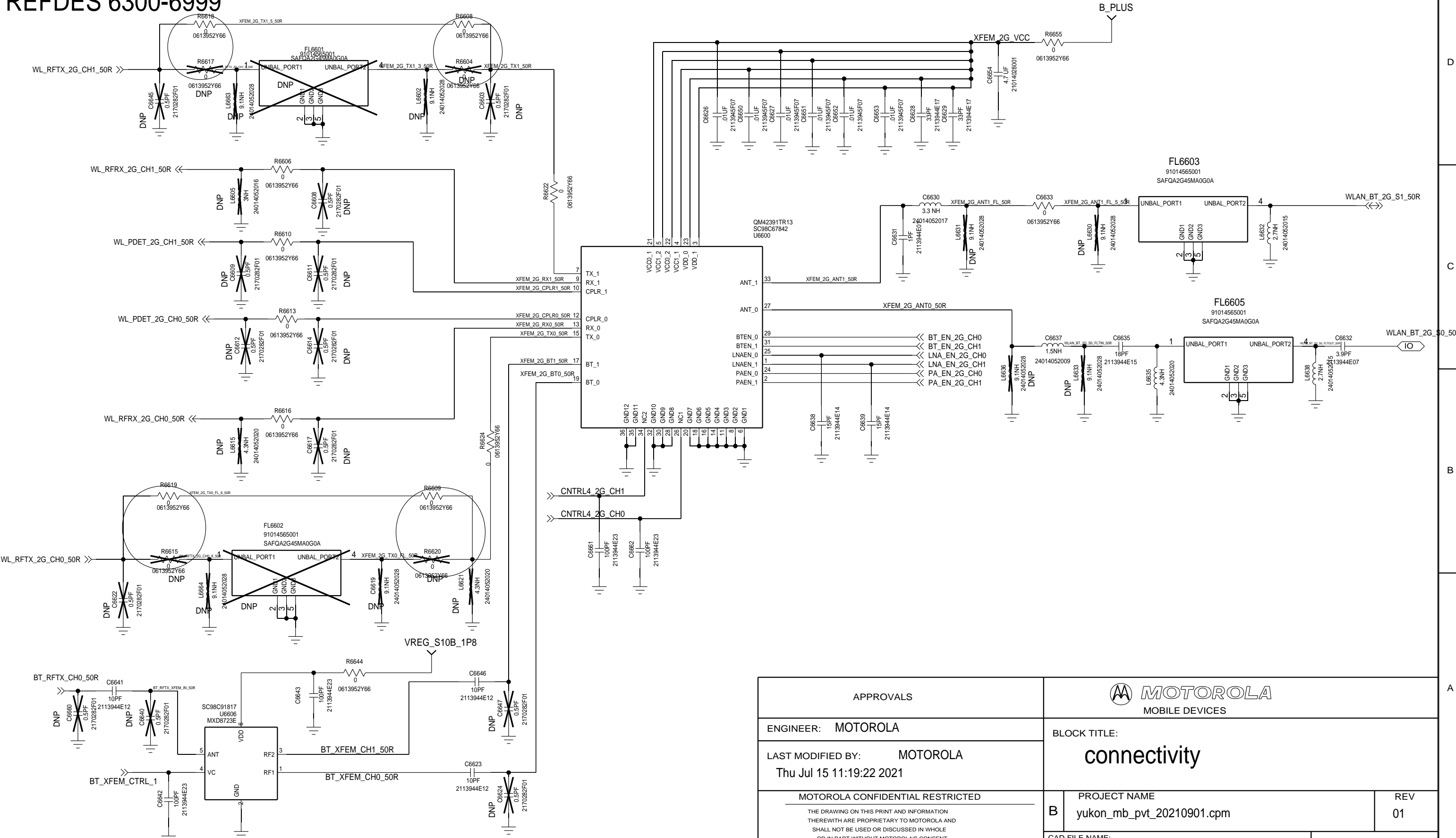
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ENGINEER: MOTOROLA		BLOCK TITLE: <h1>connectivity</h1>	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 11:19:19 2021			
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		CAD FILE NAME:	PAGE 73 OF 90


CONN: WCN6851 POWER/GND
REFDES 6300-6999



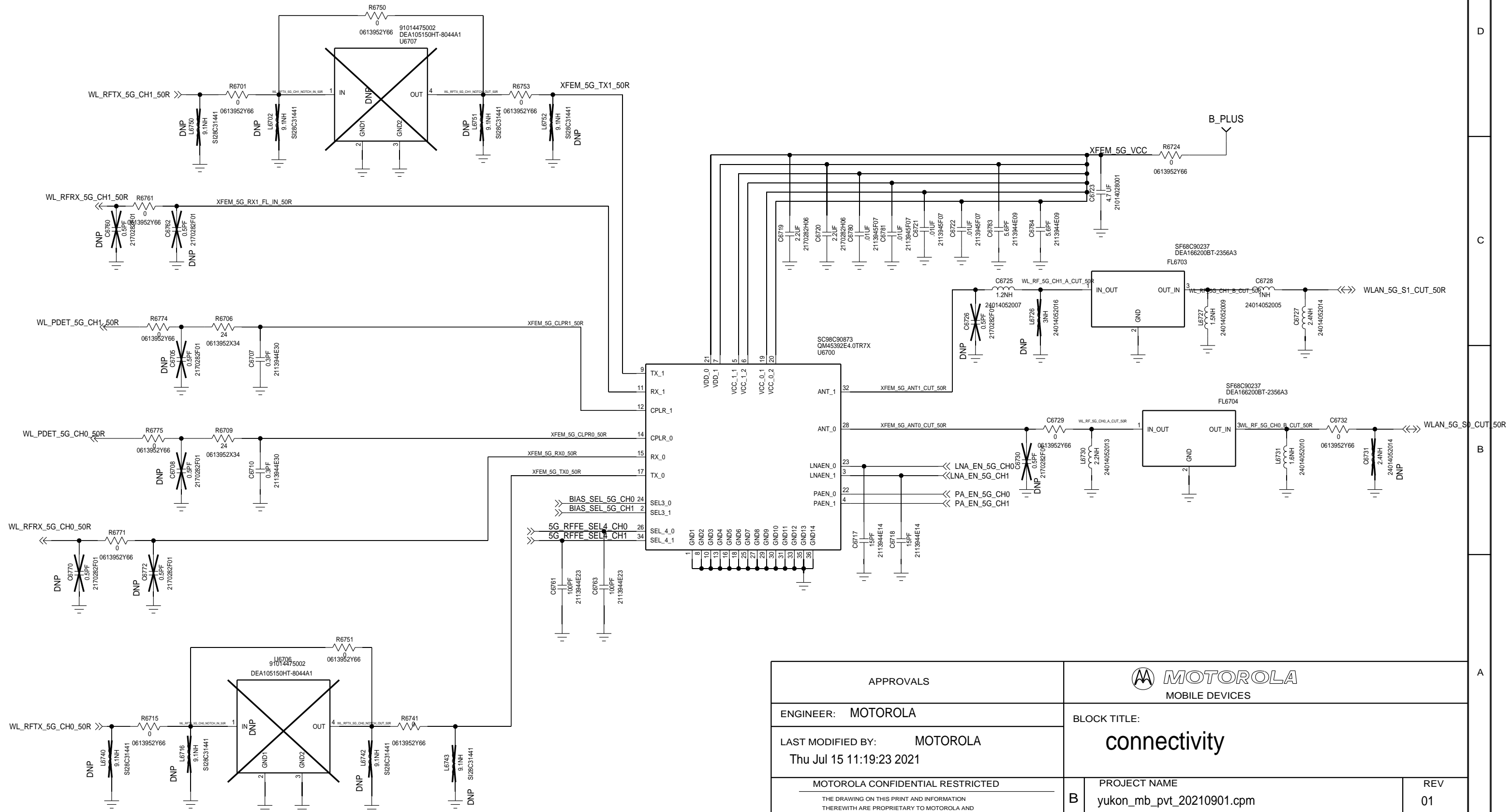
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ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 11:19:20 2021		connectivity	
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		REV 01 PAGE 74 OF 90	

CONN: WCN6851 2.4GHZ XFEM
REFDES 6300-6999



APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 11:19:22 2021		connectivity	
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		B yukon_mb_pvt_20210901.cpm	01
CAD FILE NAME:			PAGE 75 OF 90

CONN: WCN6851 5GHZ XFEM
REFDES 6300-6999



APPROVALS

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LAST MODIFIED BY: MOTOROLA
Thu Jul 15 11:19:23 2021

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BLOCK TITLE:

connectivity

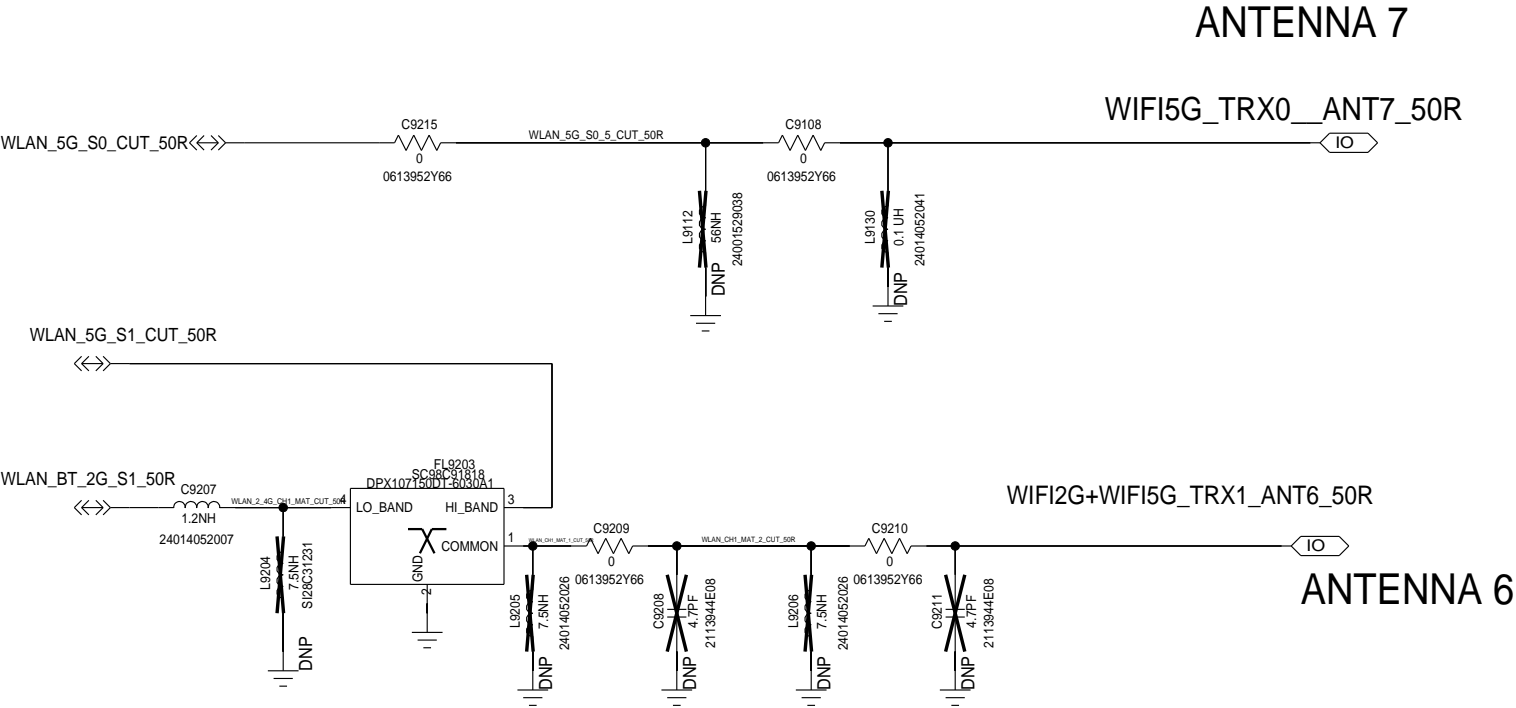
	PROJECT NAME
B	yukon_mb_pvt_20210901.cpm


CAD FILE NAME:

REV
01

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CONN: WIFI_CONNECTOR
REFDES 9200-9299



APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Thu Jul 15 11:19:25 2021		connectivity	
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		yukon_mb_pvt_20210901.cpm	
		REV 01	
		CAD FILE NAME:	
		PAGE 77 OF 90	

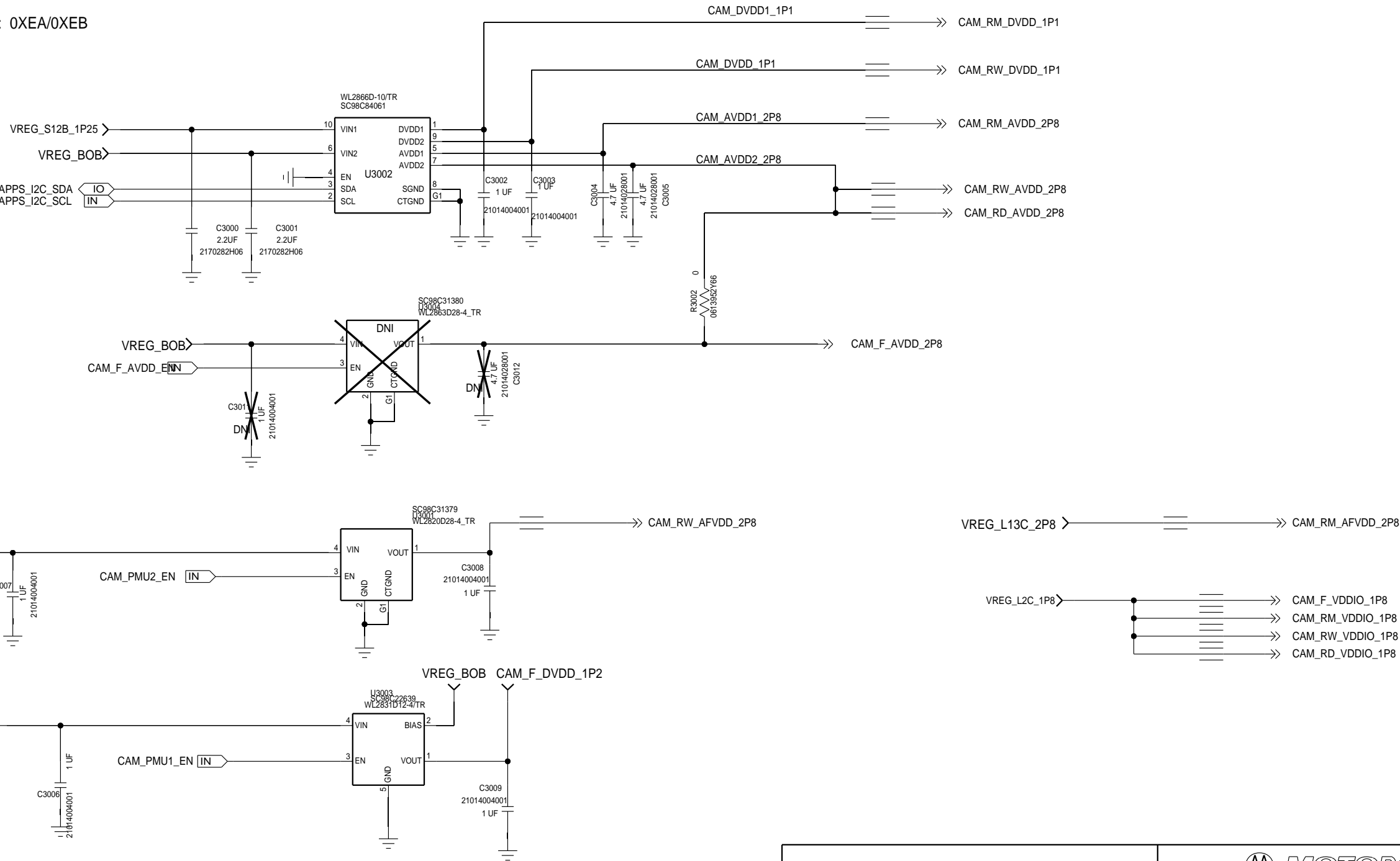
REF: 4300-4399


A

IMG: POWER MANAGEMENT

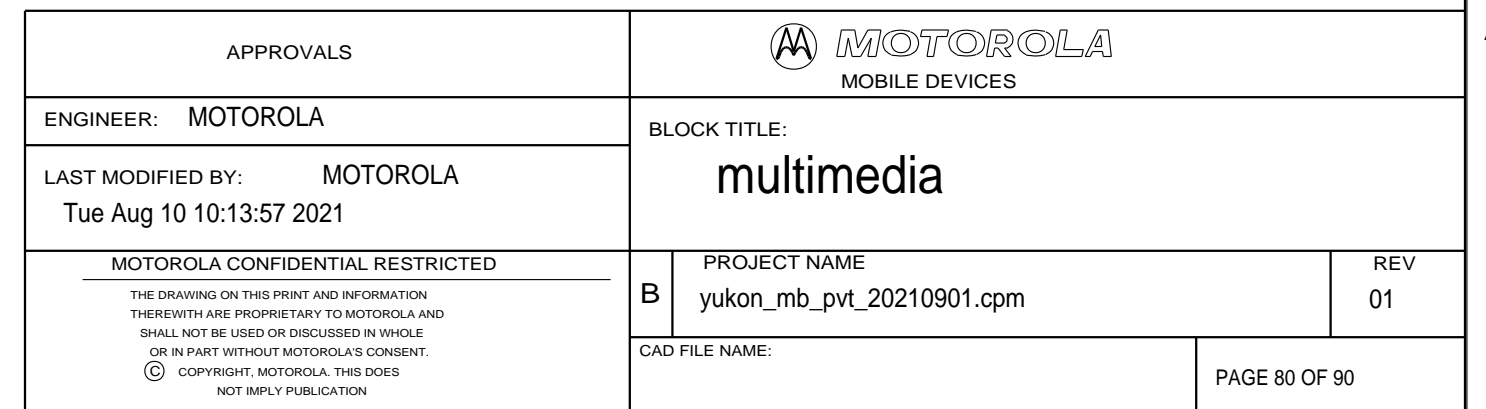
REFDES: 3000-3099

SLG5BM43670 I2C ADDRESS: 0XEA/0XEB



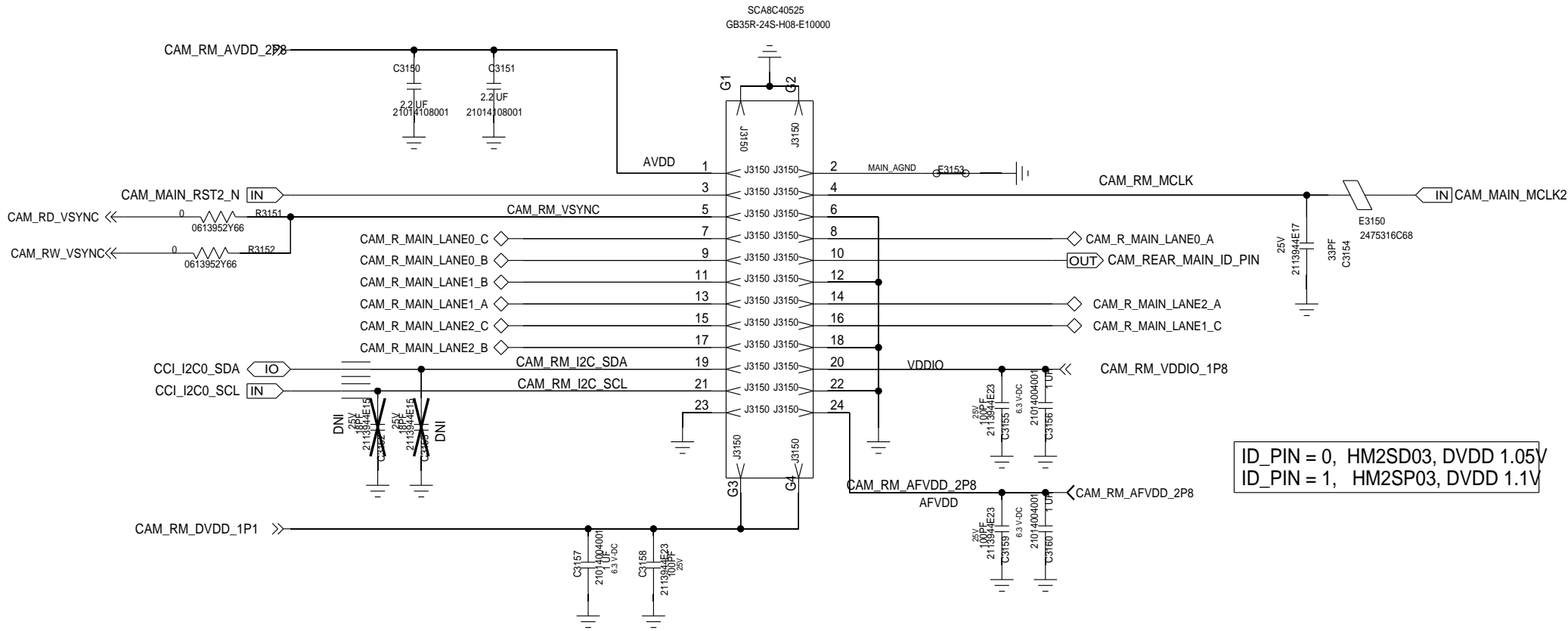
APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Tue Aug 10 10:13:55 2021		multimedia	
MOTOROLA CONFIDENTIAL RESTRICTED <small>THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO MOTOROLA AND SHALL NOT BE USED OR DISCUSSED IN WHOLE OR IN PART WITHOUT MOTOROLA'S CONSENT. © COPYRIGHT, MOTOROLA. THIS DOES NOT IMPLY PUBLICATION</small>		PROJECT NAME	
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		REV 01	
		CAD FILE NAME:	
		PAGE 79 OF 90	

REF 3100-3149

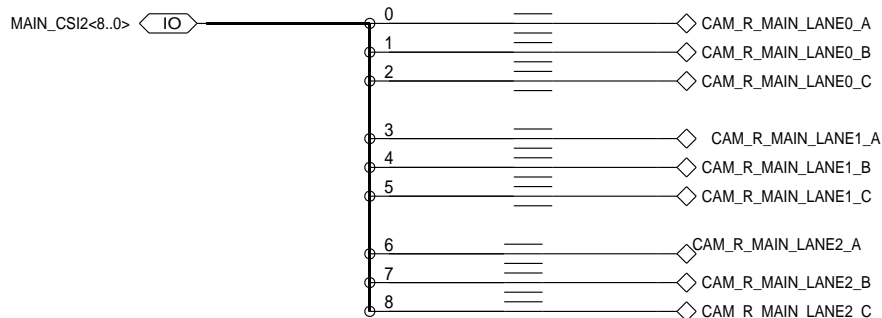



IMG: REAR MAIN CONNECTOR

REFDES: 3150-3199



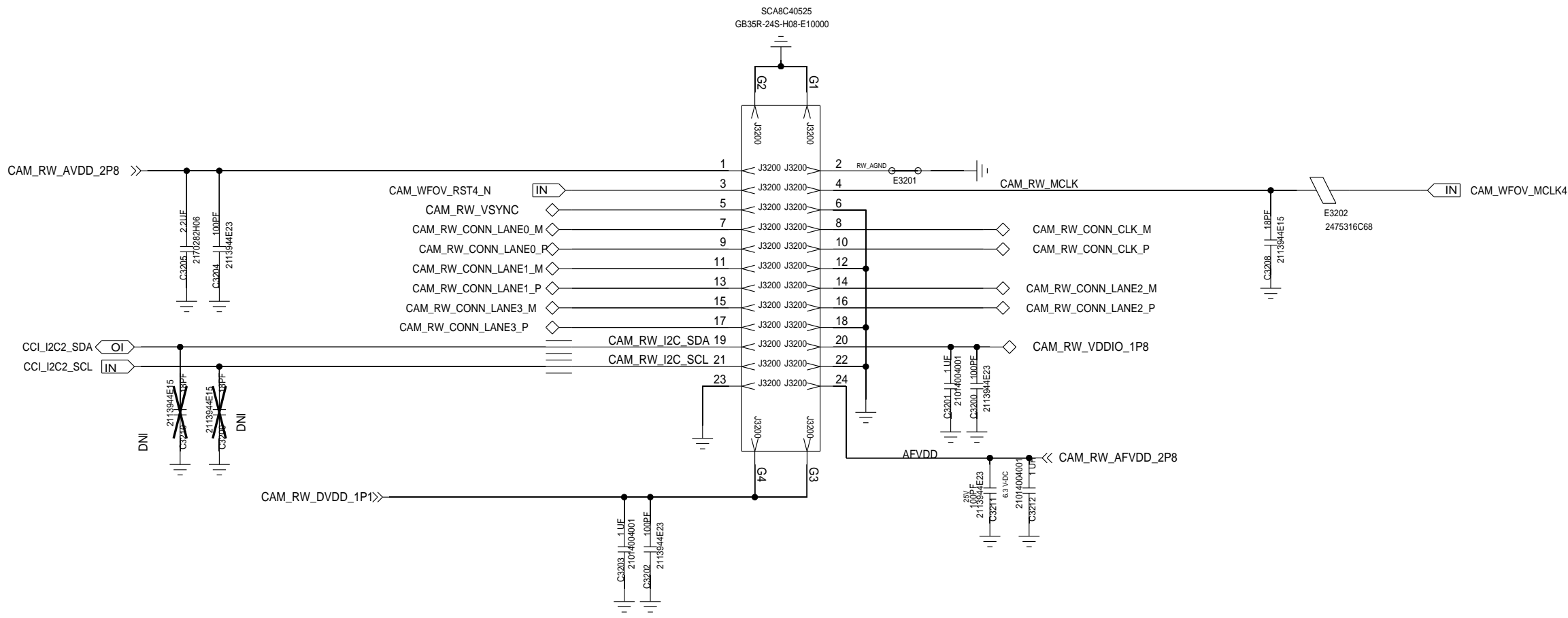
ID_PIN = 0, HM2SD03, DVDD 1.05V
ID_PIN = 1, HM2SP03, DVDD 1.1V




APPROVALS		 MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
LAST MODIFIED BY: MOTOROLA Tue Aug 10 10:13:58 2021		multimedia	
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 yukon_mb_pvt_20210901.cpm	
		REV 01	
		CAD FILE NAME:	
		PAGE 81 OF 90	

IMG: REAR WFOV CONNECTOR
REFDES: 3200-3249

PIN MAP BASED ON 7/31

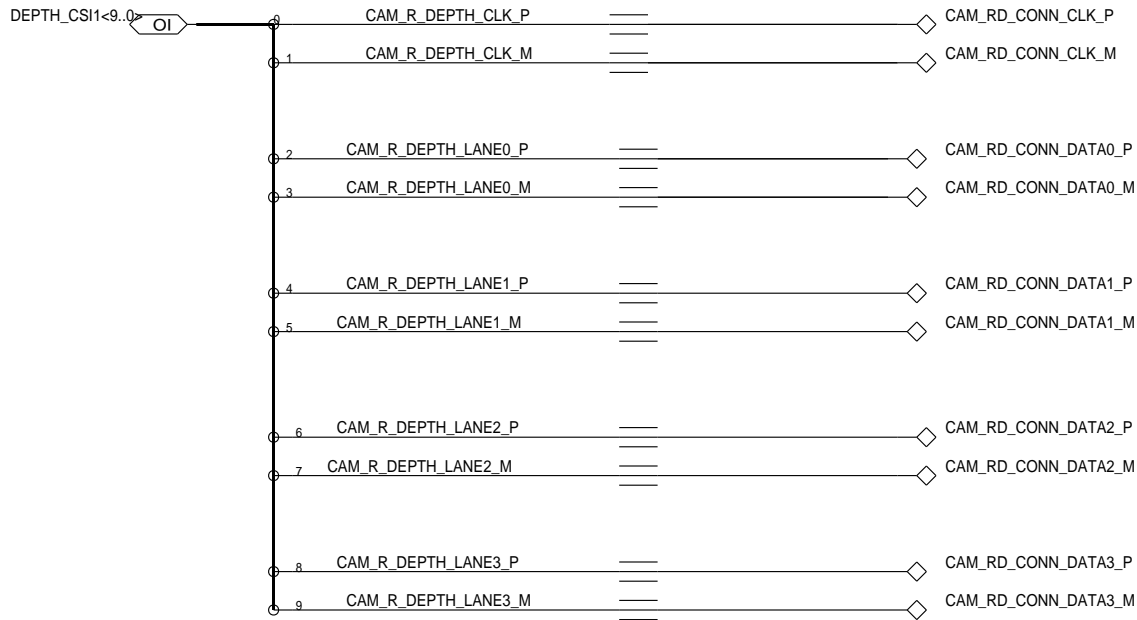
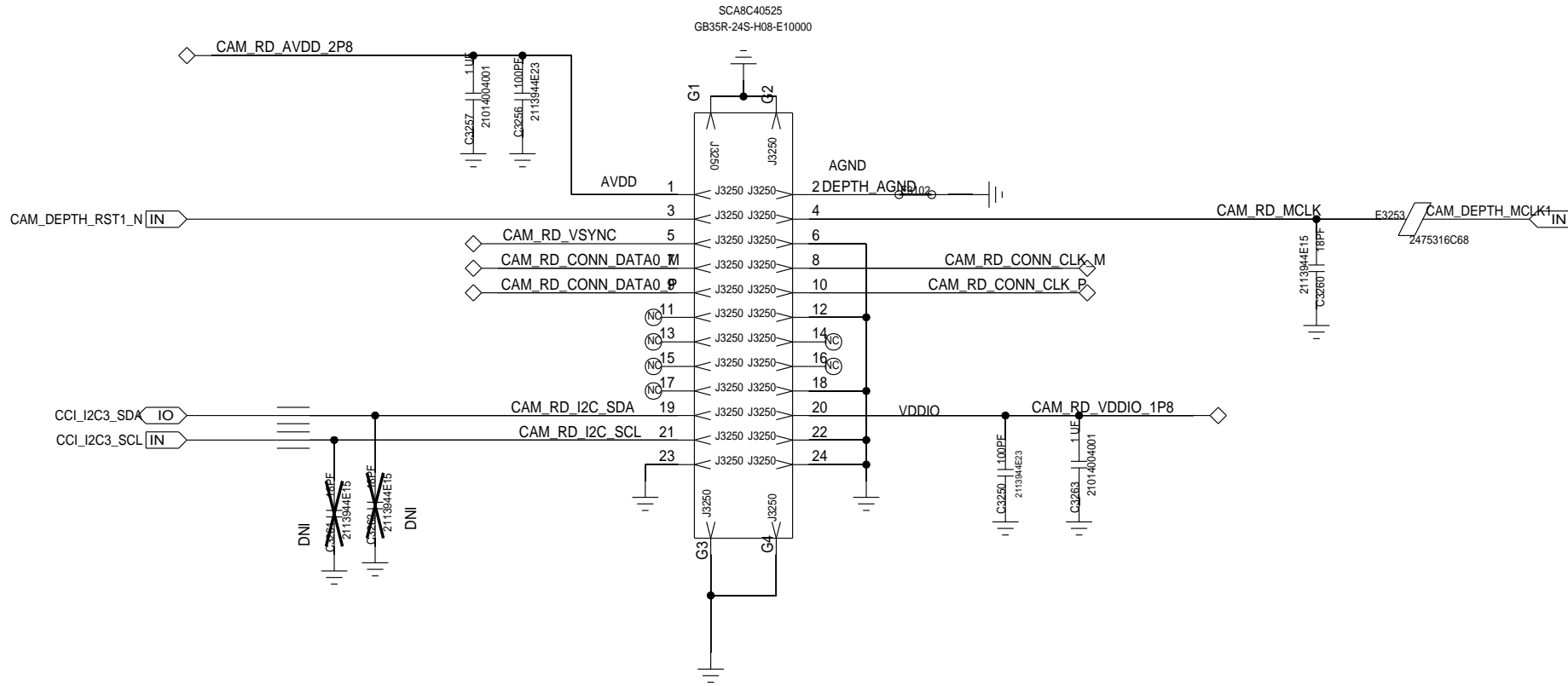



WFOV_CSI4<9..0>	IO	0	CAM_R_WFOV_CLK_P	---	CAM_RW_CONN_CLK_P
		1	CAM_R_WFOV_CLK_M	---	CAM_RW_CONN_CLK_M
		2	CAM_R_WFOV_LANE0_P	---	CAM_RW_CONN_LANE0_P
		3	CAM_R_WFOV_LANE0_M	---	CAM_RW_CONN_LANE0_M
		4	CAM_R_WFOV_LANE1_P	---	CAM_RW_CONN_LANE1_P
		5	CAM_R_WFOV_LANE1_M	---	CAM_RW_CONN_LANE1_M
		6	CAM_R_WFOV_LANE2_P	---	CAM_RW_CONN_LANE2_P
		7	CAM_R_WFOV_LANE2_M	---	CAM_RW_CONN_LANE2_M
		8	CAM_R_WFOV_LANE3_P	---	CAM_RW_CONN_LANE3_P
		9	CAM_R_WFOV_LANE3_M	---	CAM_RW_CONN_LANE3_M

APPROVALS		 MOTOROLA MOBILE DEVICES	
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LAST MODIFIED BY: MOTOROLA Tue Aug 10 10:13:59 2021		multimedia	
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		B yukon_mb_pvt_20210901.cpm	
		REV 01	
		PAGE 82 OF 90	

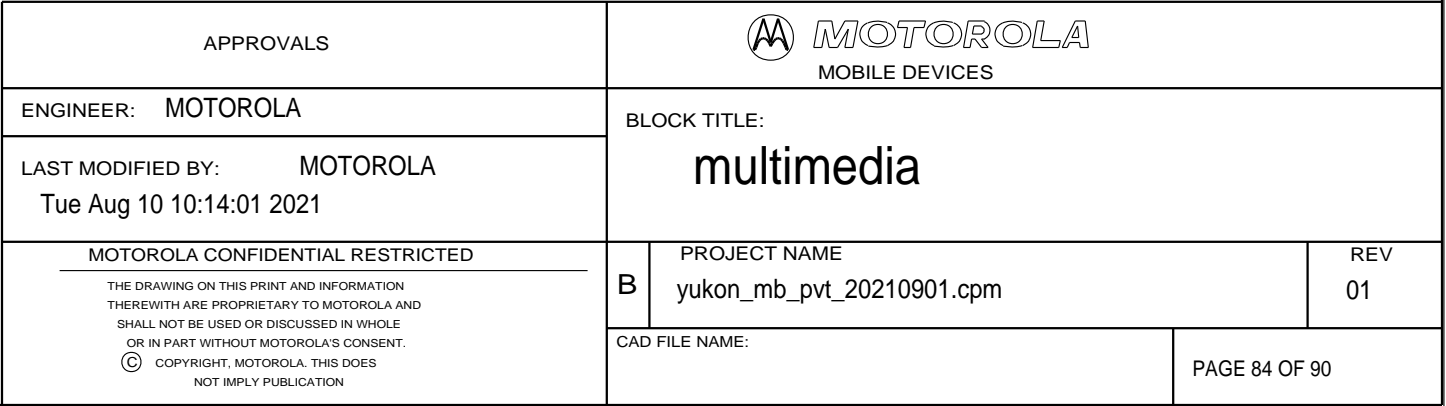
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REFDES: 3250-3299



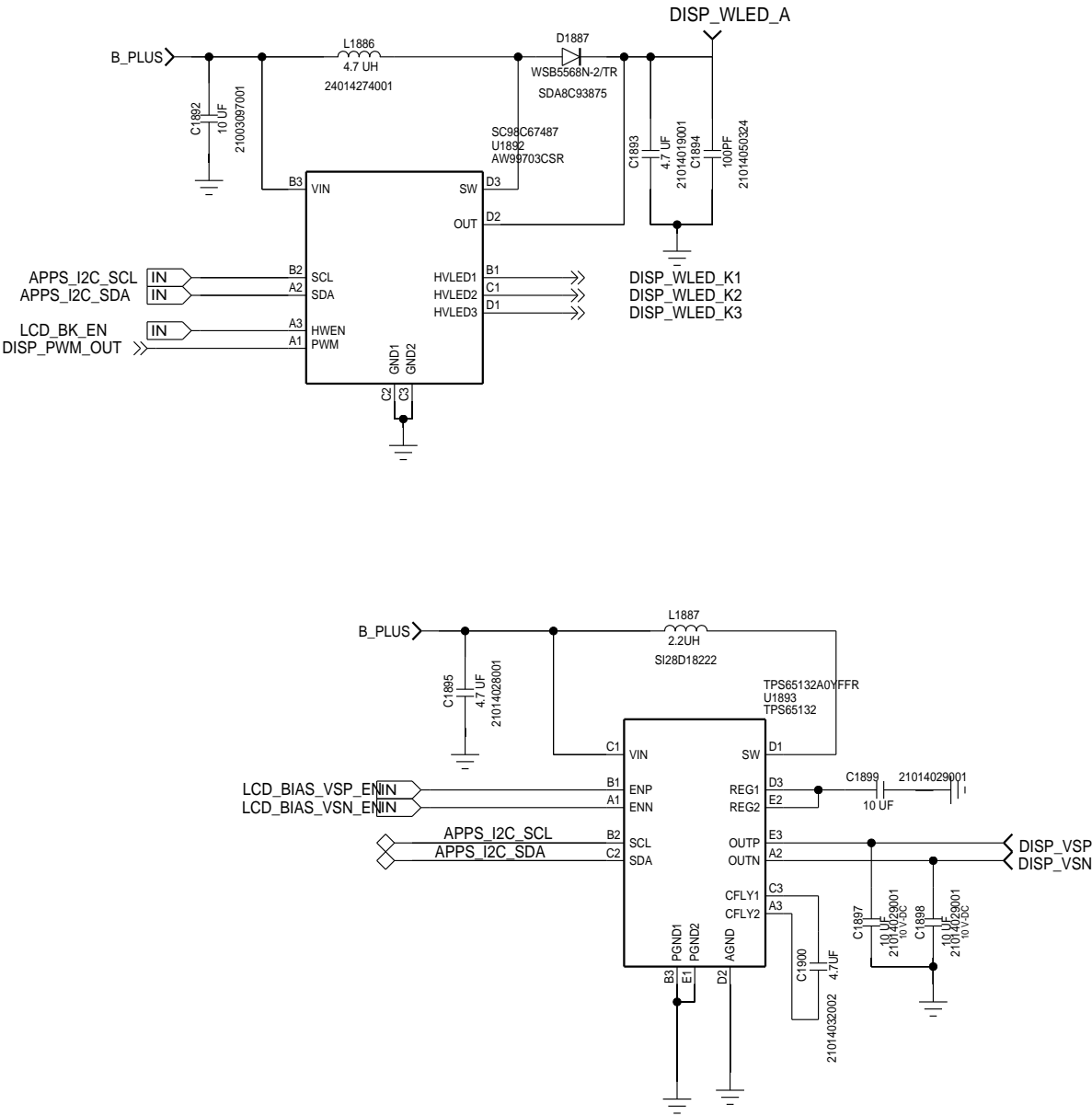
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		CAD FILE NAME:	PAGE 83 OF 90


REFDES: 3300-3349



DISP: BACKLIGHT_BIAS

REF:1886--1920

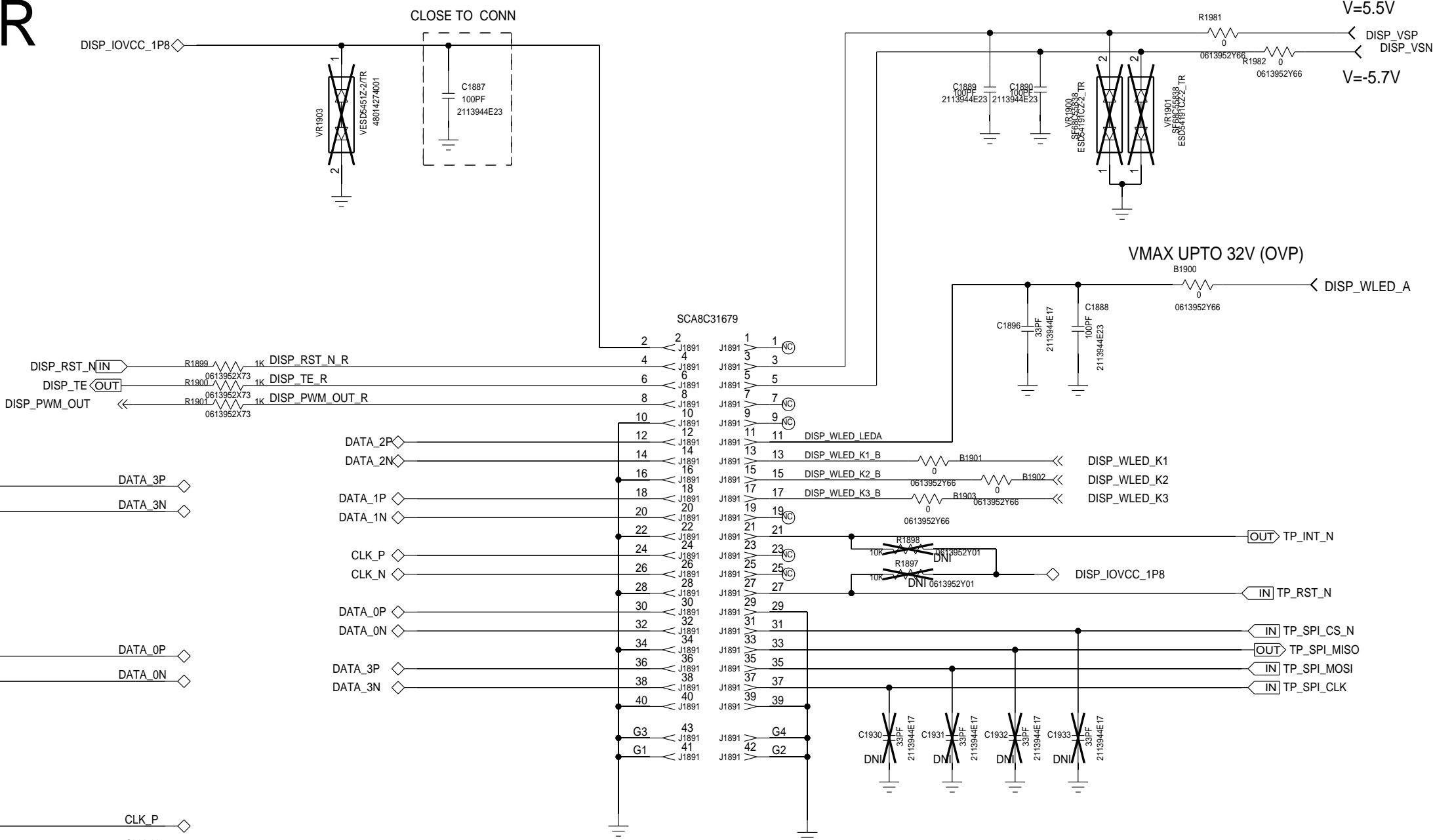
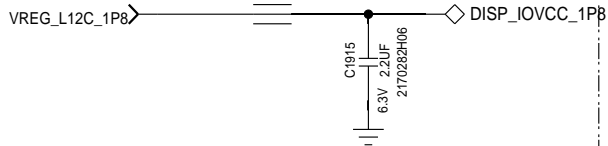



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		01	

DISP: CONNECTOR

REF:1886--1920

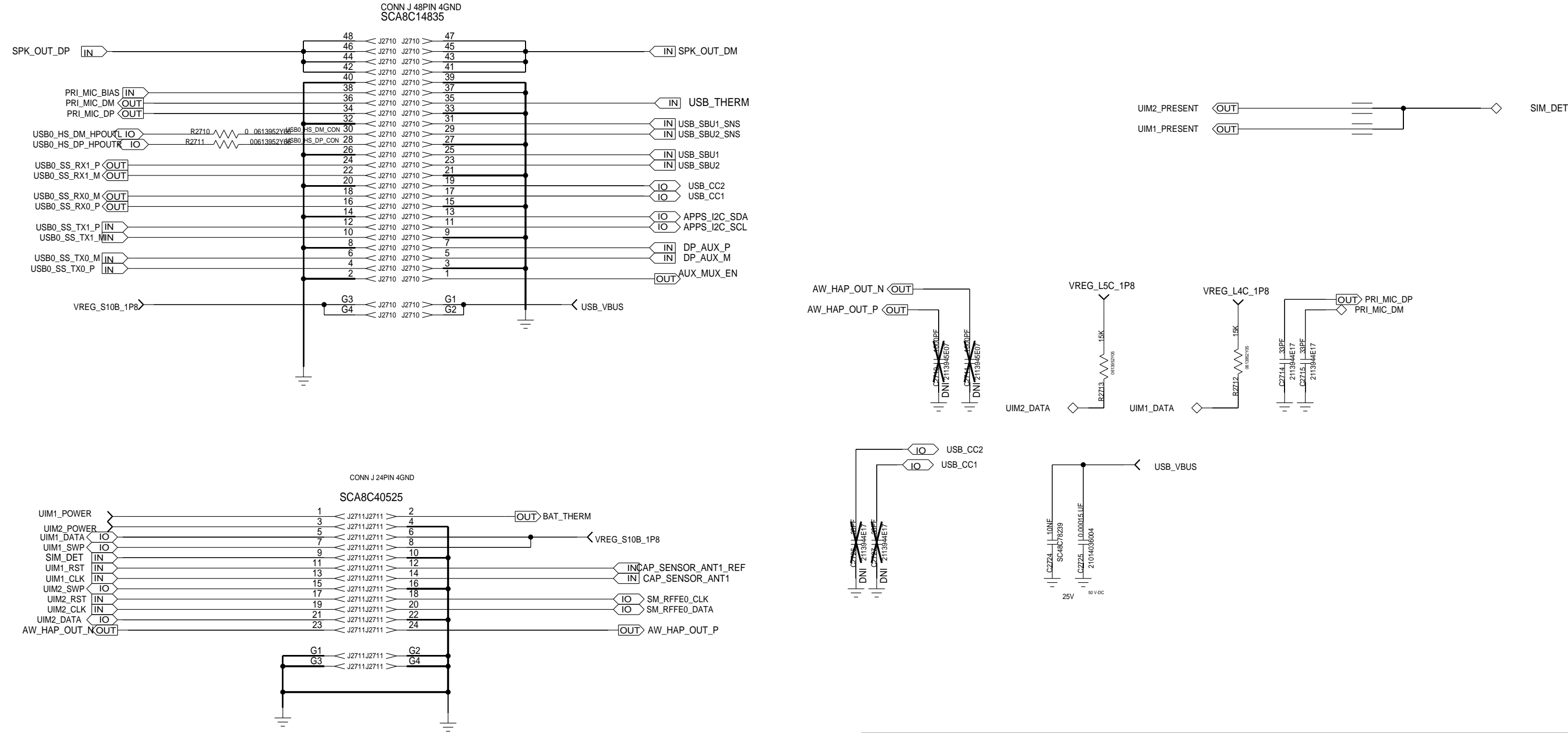
1.8V IOVCC FOR TOUCH SCREEN




APPROVALS		 MOTOROLA MOBILE DEVICES	
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		CAD FILE NAME: PAGE 86 OF 90	

BRIDGE: SUB CONNECTOR

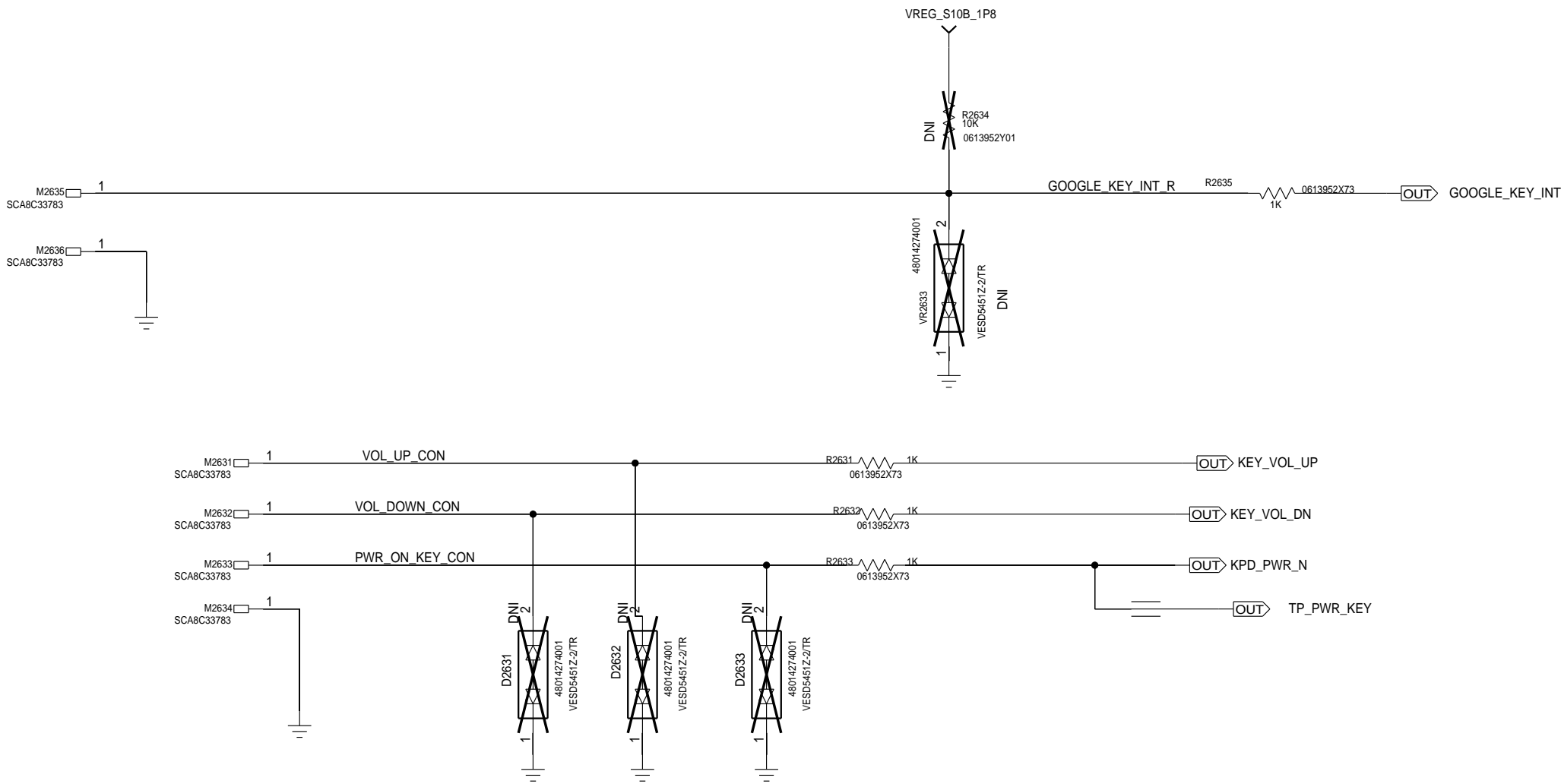
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		B yukon_mb_pvt_20210901.cpm	
		REV 01	
		CAD FILE NAME:	
		PAGE 87 OF 90	

PWR: SIDEKEYS

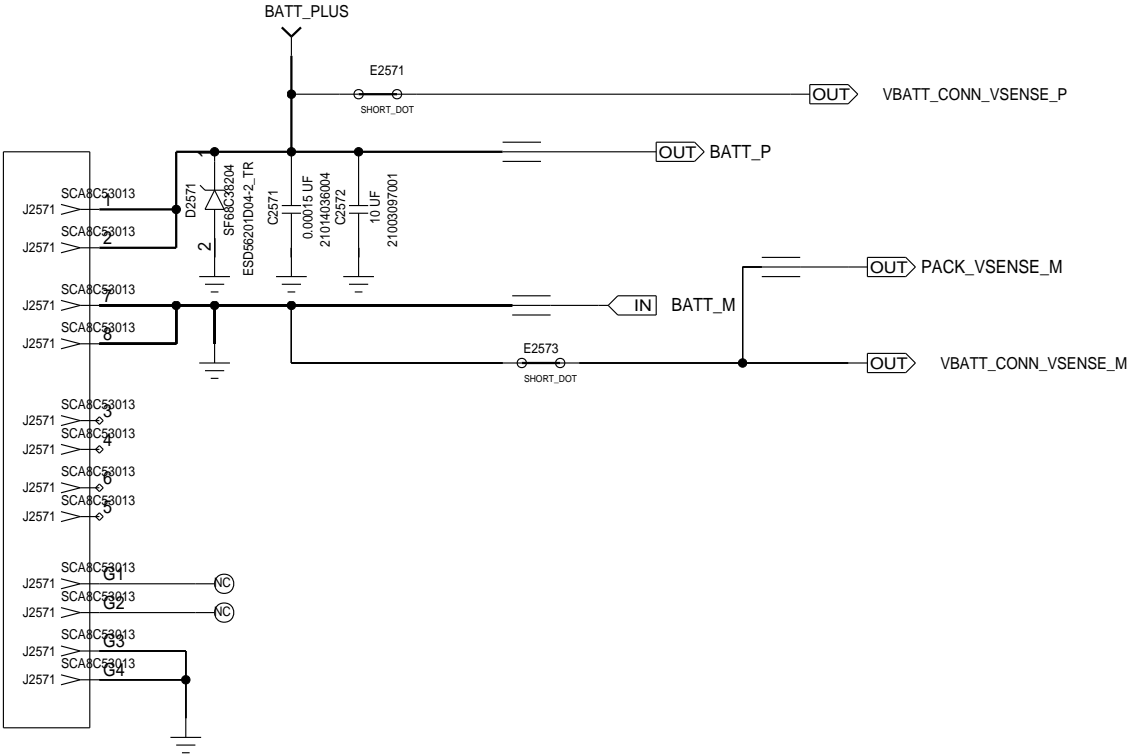
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		REV 01	
		CAD FILE NAME:	
		PAGE 88 OF 90	

PWR: BATT
REF: 2571-2580

D850 CHANGE TO ESD56441D



APPROVALS		MOTOROLA MOBILE DEVICES	
ENGINEER: MOTOROLA		BLOCK TITLE:	
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