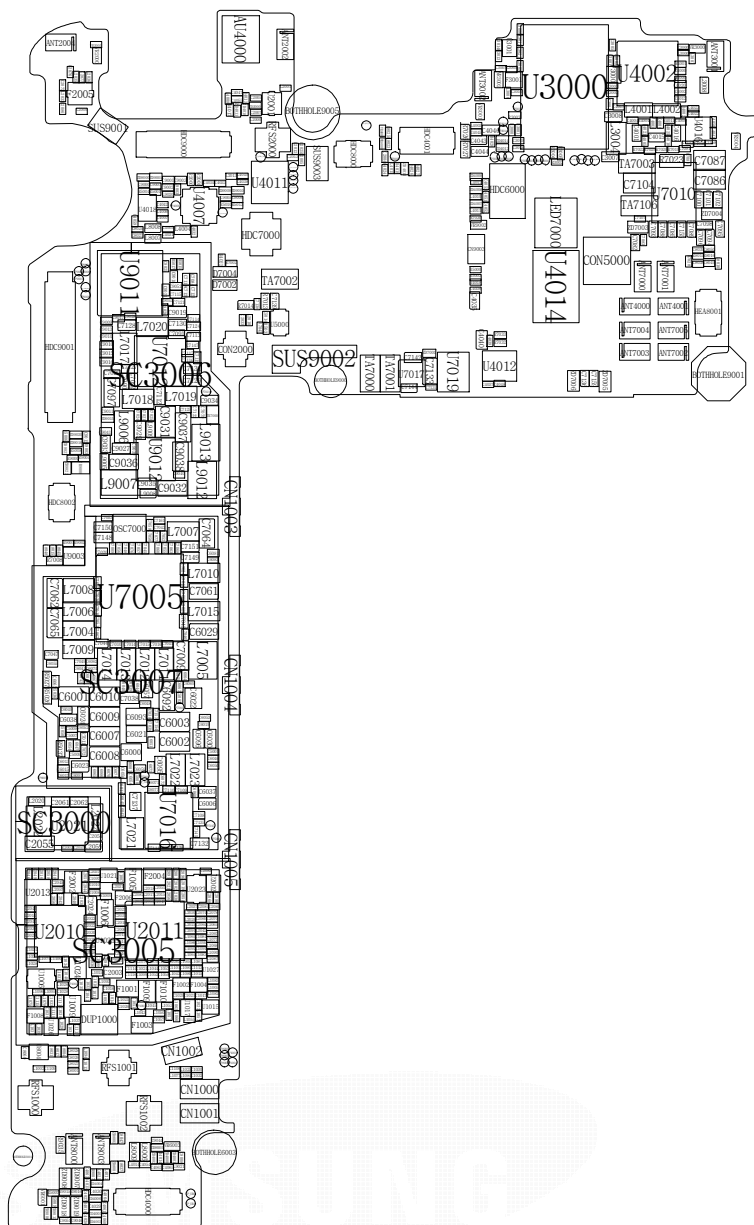




Coaxial to u-LSD PCB

Conduction detecting parts moved to SUB PCB

High Band T/Rx

[illegible]

B2/25 & B4 from MB PAMid

[illegible][illegible]

TX_TR_C

LOW Band PAMID
(LOW : B5/12/13/17/26/29, G850/900, BC0/10)

MID Band PAMID
(MID : B1/2/3/4/25, G1800/1900, BC1)

RxFB(Tx Feedback)

THERMISTOR

WTR4905-1

The diagram shows a differential pair of 6T DACs implemented with the U2021 QF3100 IC. The circuit includes a differential input stage with a tail current source, a differential output stage with a tail current source, and a differential output stage with a tail current source. The circuit is powered by a 5V supply and a 1.2V supply. The output is taken from the differential output stage. The circuit is labeled with various components and their values, including resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), capacitors (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100), and transistors (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30, M31, M32, M33, M34, M35, M36, M37, M38, M39, M40, M41, M42, M43, M44, M45, M46, M47, M48, M49, M50, M51, M52, M53, M54, M55, M56, M57, M58, M59, M60, M61, M62, M63, M64, M65, M66, M67, M68, M69, M70, M71, M72, M73, M74, M75, M76, M77, M78, M79, M80, M81, M82, M83, M84, M85, M86, M87, M88, M89, M90, M91, M92, M93, M94, M95, M96, M97, M98, M99, M100). The circuit is labeled with various components and their values, including resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), capacitors (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100), and transistors (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30, M31, M32, M33, M34, M35, M36, M37, M38, M39, M40, M41, M42, M43, M44, M45, M46, M47, M48, M49, M50, M51, M52, M53, M54, M55, M56, M57, M58, M59, M60, M61, M62, M63, M64, M65, M66, M67, M68, M69, M70, M71, M72, M73, M74, M75, M76, M77, M78, M79, M80, M81, M82, M83, M84, M85, M86, M87, M88, M89, M90, M91, M92, M93, M94, M95, M96, M97, M98, M99, M100). The circuit is labeled with various components and their values, including resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), capacitors (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100), and transistors (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30, M31, M32, M33, M34, M35, M36, M37, M38, M39, M40, M41, M42, M43, M44, M45, M46, M47, M48, M49, M50, M51, M52, M53, M54, M55, M56, M57, M58, M59, M60, M61, M62, M63, M64, M65, M66, M67, M68, M69, M70, M71, M72, M73, M74, M75, M76, M77, M78, M79, M80, M81, M82, M83, M84, M85, M86, M87, M88, M89, M90, M91, M92, M93, M94, M95, M96, M97, M98, M99, M100). The circuit is labeled with various components and their values, including resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93,

GPS ANT PATTERN

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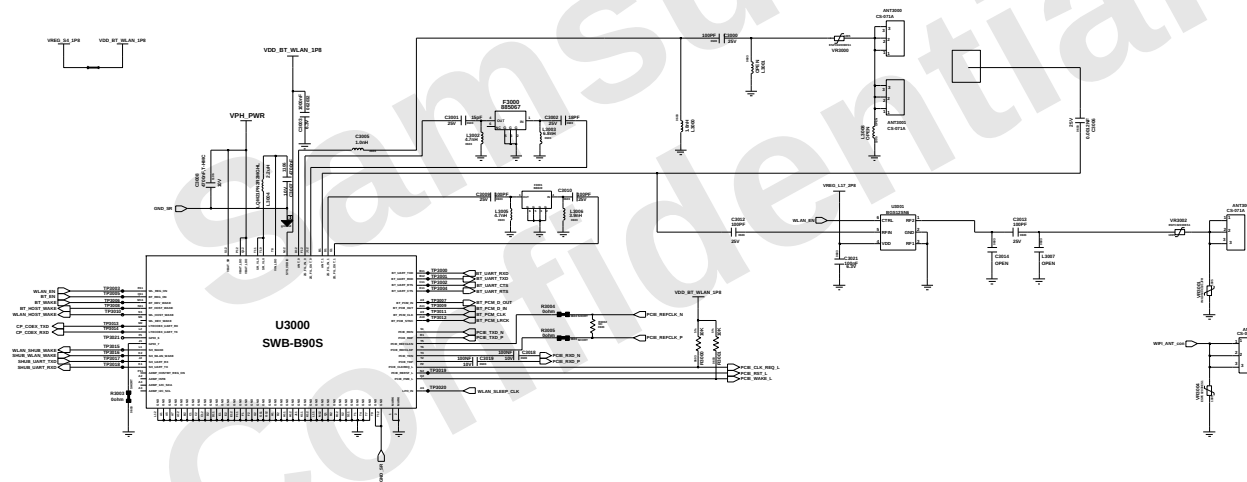
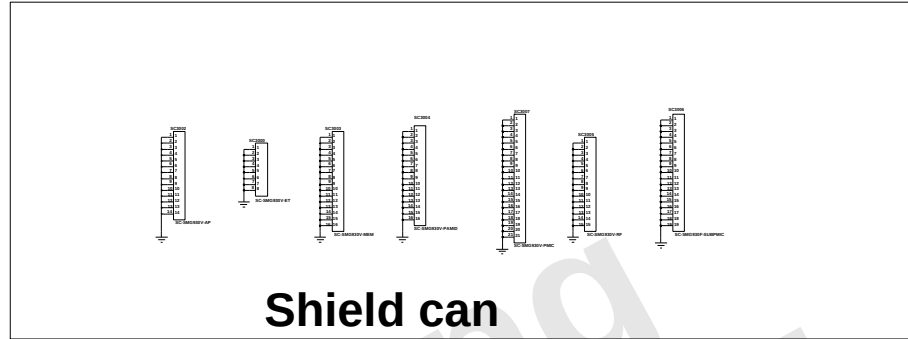
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(BAND 1/2/3/4/25/BC1)

DRX_HB
(B2/4/7/25/30/41)

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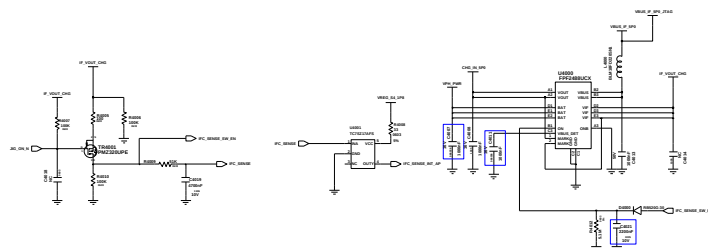
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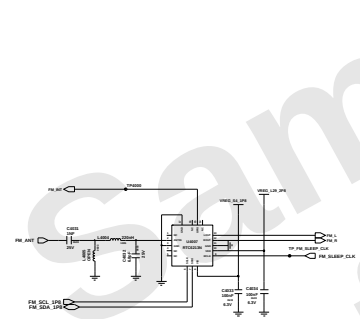
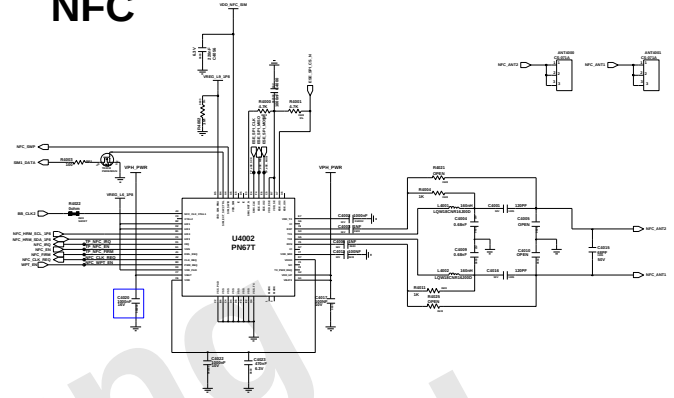
BCM4359 Module

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Rev	1.0	
Doc Title	SM-G930	
Doc No	SM-G930	
Rev	1.0	
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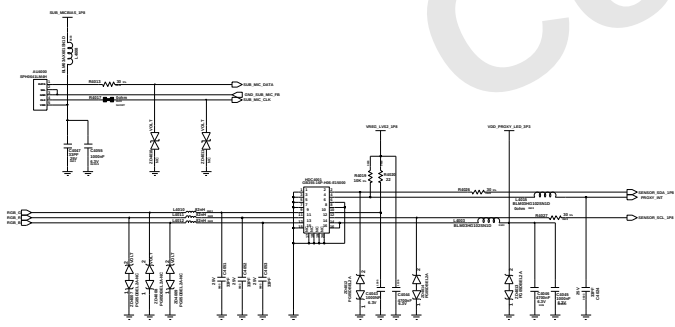
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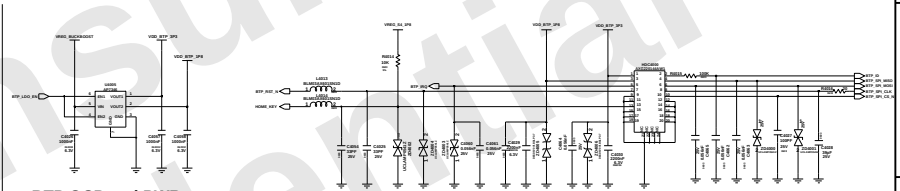
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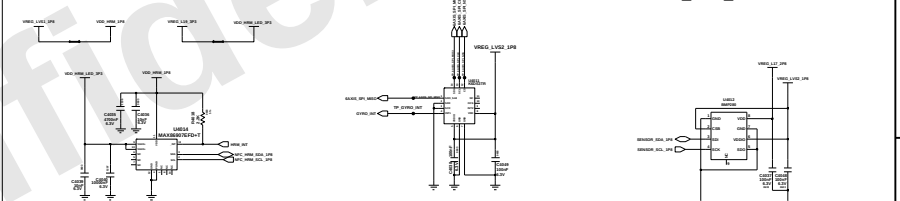
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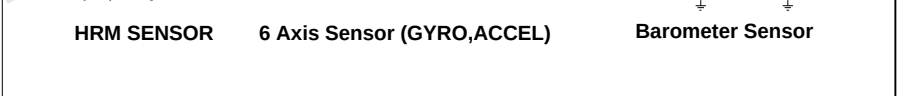
Prox & MIC & LED CON.



BTP OCP and PWR



HOME_BTP_TOUCH



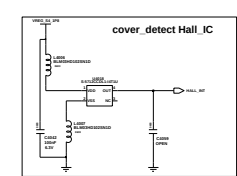
HRM SENSOR

6 Axis Sensor (GYRO,ACCEL)

Barometer Sensor



Magnetic Sensor



Hall Sensor

Engineer:	BT/WIFI, NFC, SENSOR		
Drawn by:			
R&D CHK:	TITLE:	SM-G930	Size:
DOC CTRL CHK:			
MFG ENGR CHK:			
QA CHK:	REV:	Drawing Number:	Page:

MSM8996 1/2

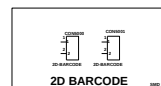
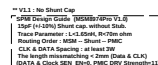


Figure 10: Schematic diagram of the power supply network for the iMX6Q. The diagram shows a central VDD_VTCAM_IO_1P8 rail connected to various components. On the left, VREG_L6_1P8 and VDD_TSP_1P8 are connected to the rail. On the right, VREG_S4_1P8 and VREG_LVDS_1P8 are connected. Below the rail, VREG_S4_1P8 is connected to SUB_PMC_SCL_1P8 and SUB_PMC_SDA_1P8. At the bottom, VREG_S4_1P8 is connected to AMP_SCL_1P8, AMP_SDA_1P8, WPC_SCL_1P8, and WPC_SDA_1P8. Each connection includes a resistor with a value of 0.1K and a capacitor with a value of 100nF. The components are represented by their respective symbols: regulators, capacitors, and resistors.

NANOSIM CON.

The diagram illustrates the internal circuitry of the Nanosim module, which is connected to the T-Flash module. The Nanosim module includes a 74VHC04 inverter, a 74VHC125 monostable multivibrator, and a 74VHC163 counter. The T-Flash module includes a 74VHC04 inverter, a 74VHC125 monostable multivibrator, and a 74VHC163 counter. The circuit is powered by a 5V supply and includes various timing components like resistors and capacitors.

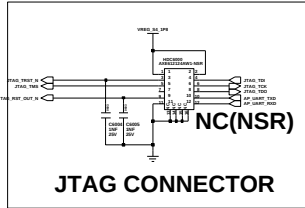
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TP SOC DBG UART RX          SOC_DEBUG_UART_2 RX

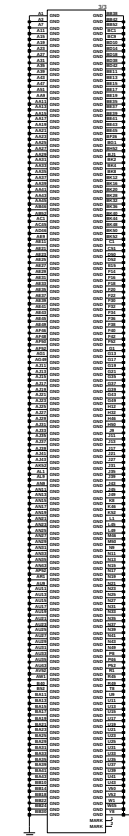
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RED CTR:	
DOC CTRL CTR:	
INFO BROWSER CTR:	

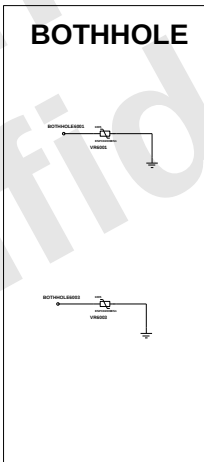
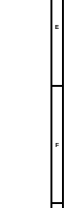
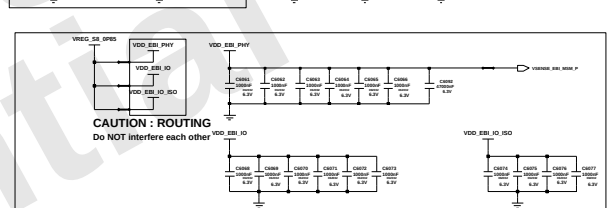
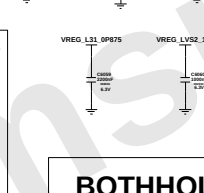
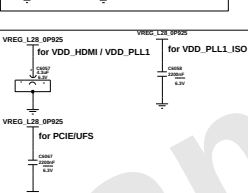
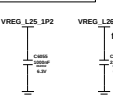
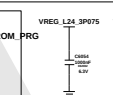
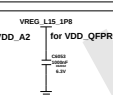
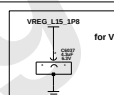
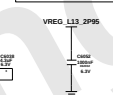
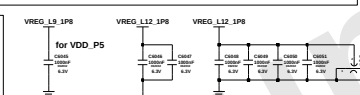
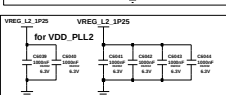
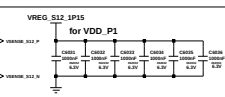
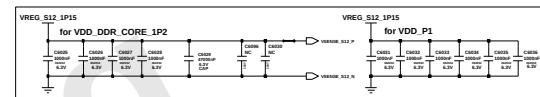
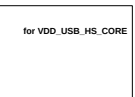
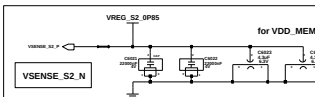
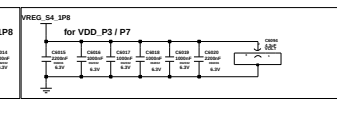
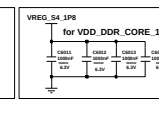
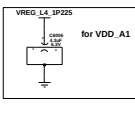
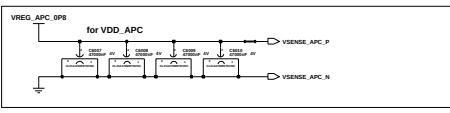
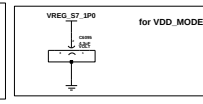
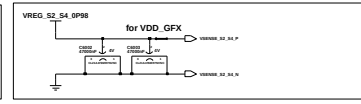
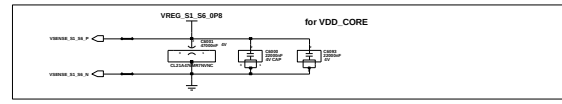
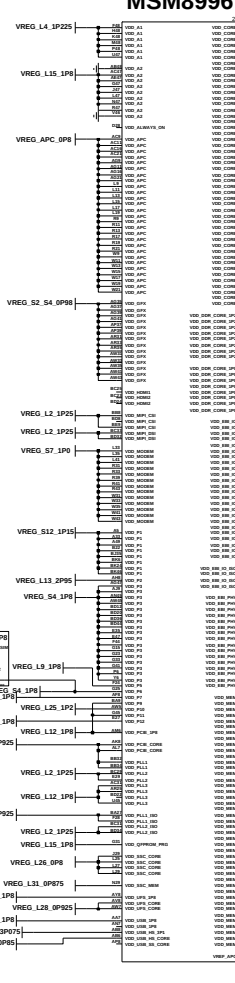
MSM8996 BYPASS CAPACITORS



UCP501-3 MSM8996



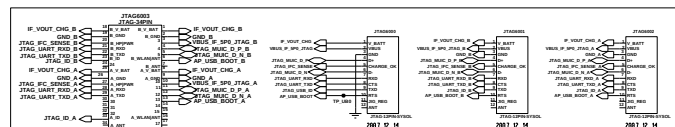
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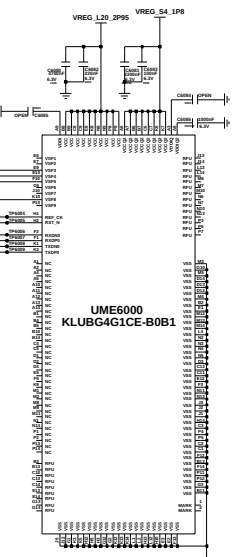
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Do NOT interfere each other

CAUTION: PLACEMENT
Near to TP_USB_BOOT

PCB JTAG



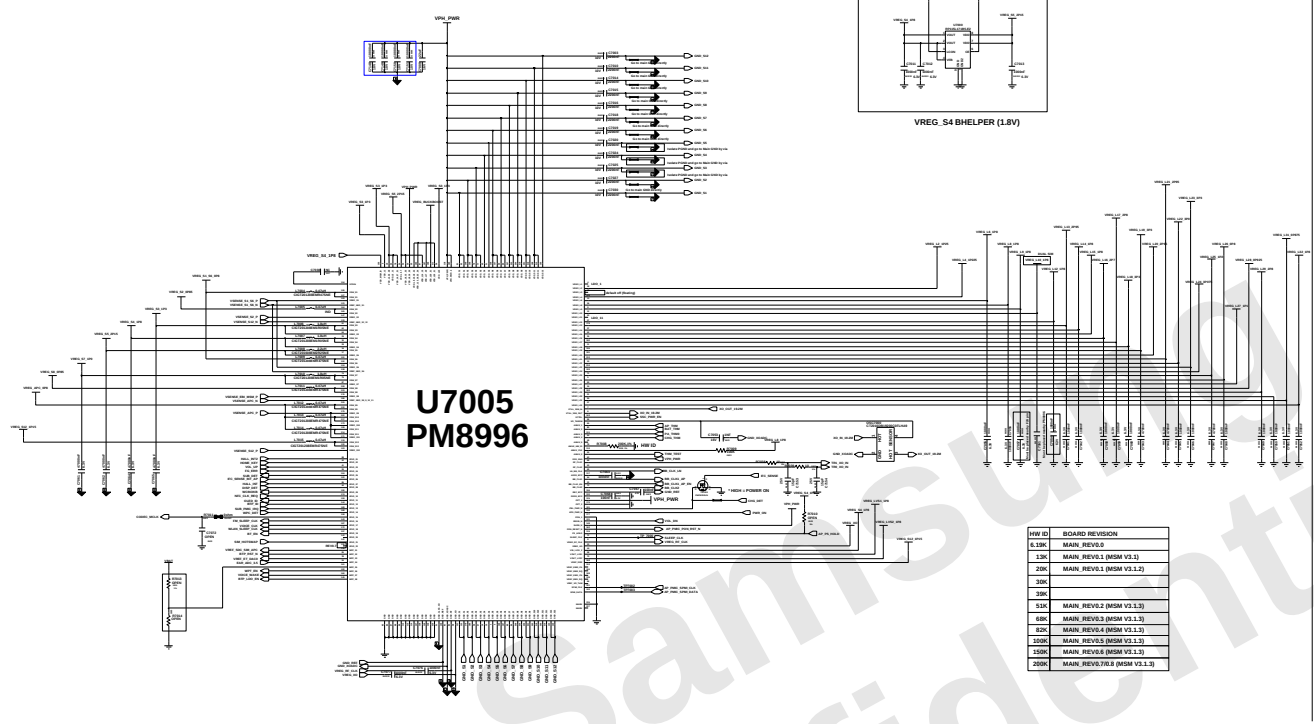
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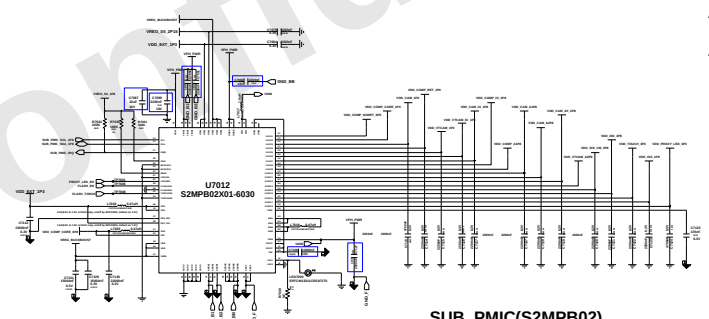
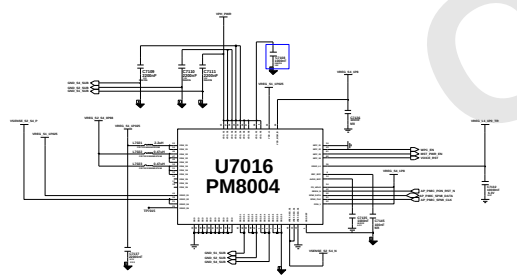
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Rev.	1.0
Doc. Title	SM-G930
Doc. No.	SM-G930
Doc. Date	2016.11.15
Doc. Ver.	1.0

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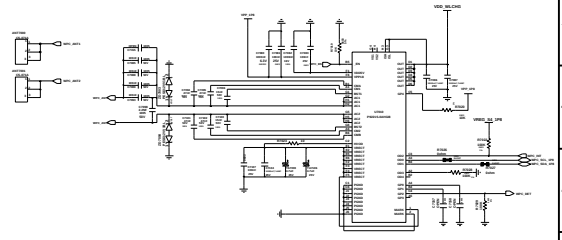
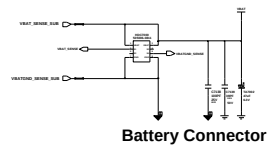
POWER



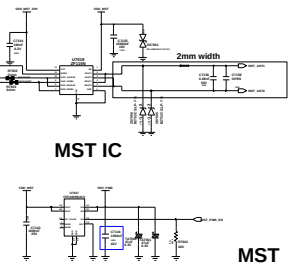
HW ID	BOARD REVISION
5.12K	MAIN_REV0.5
1.23K	MAIN_REV0.1 (MSM V0.1.3)
23K	MAIN_REV1.1 (MSM V0.1.3)
33K	
33K	
53K	MAIN_REV0.2 (MSM V0.1.3)
63K	MAIN_REV0.3 (MSM V0.1.3)
83K	MAIN_REV0.4 (MSM V0.1.3)
103K	MAIN_REV0.5 (MSM V0.1.3)
123K	MAIN_REV0.6 (MSM V0.1.3)
203K	MAIN_REV0.7/0.8 (MSM V0.1.3)



SUB_PMIC(S2MPB02)

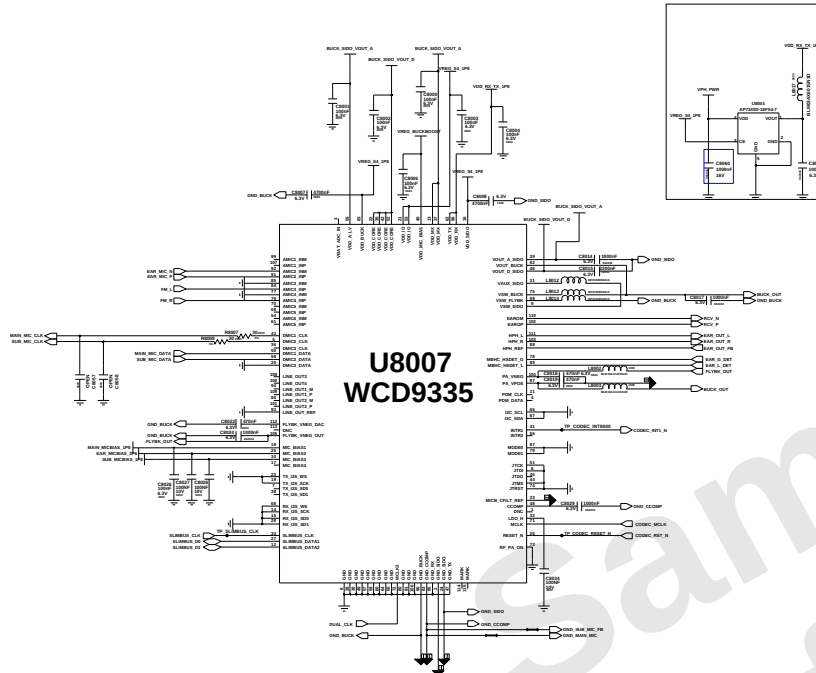


MST IC

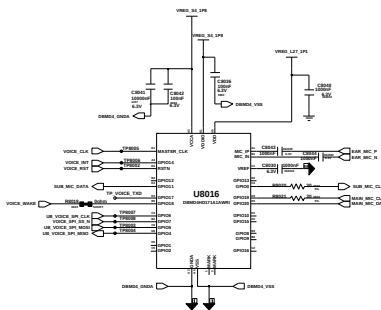


AP PANEL 10 FPCB, SUB-PMIC
SM-G930

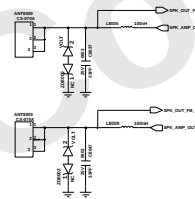
AUDIO PART



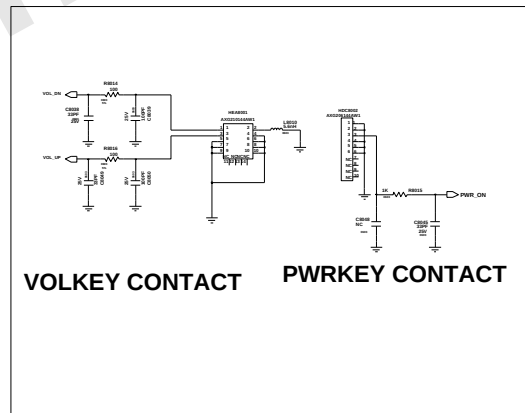
Audio Codec



Voicewakeup IC

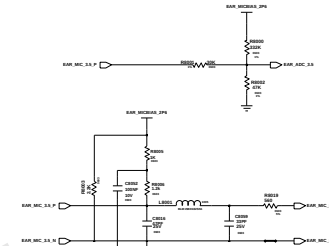


SPK CONTACT

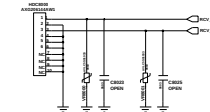


VOLKEY CONTACT

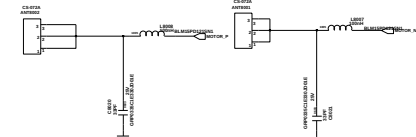
PWRKEY CONTACT



Ear MIC



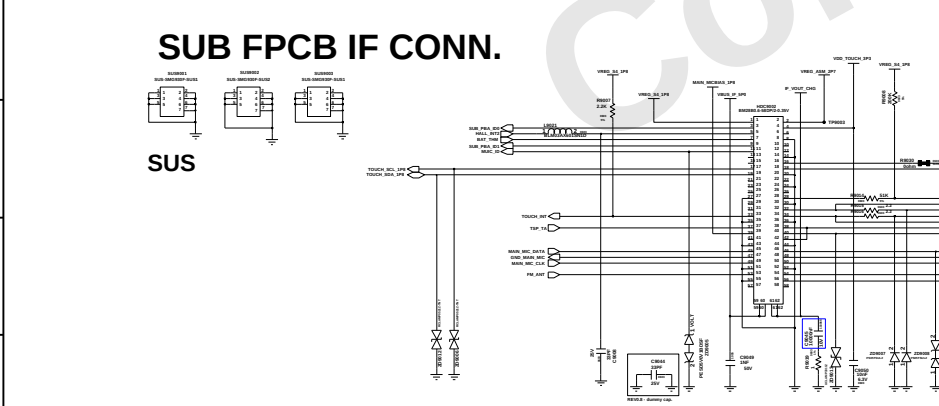
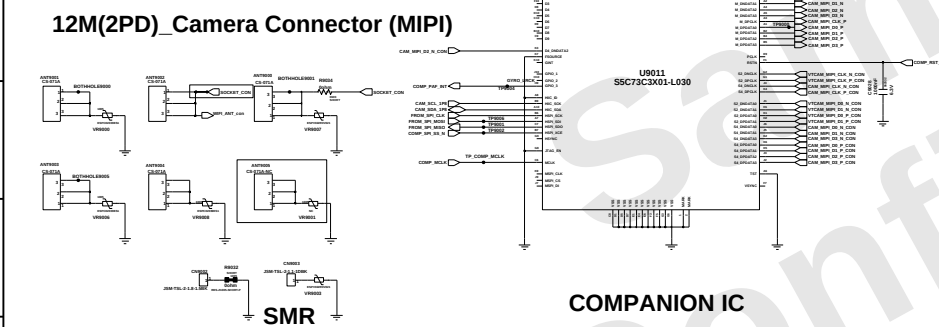
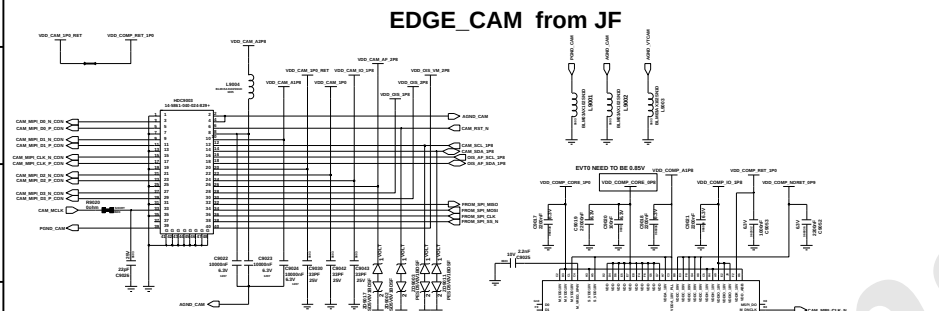
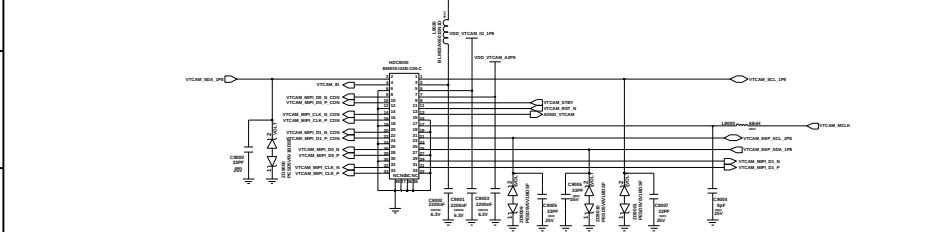
RCV CONN.



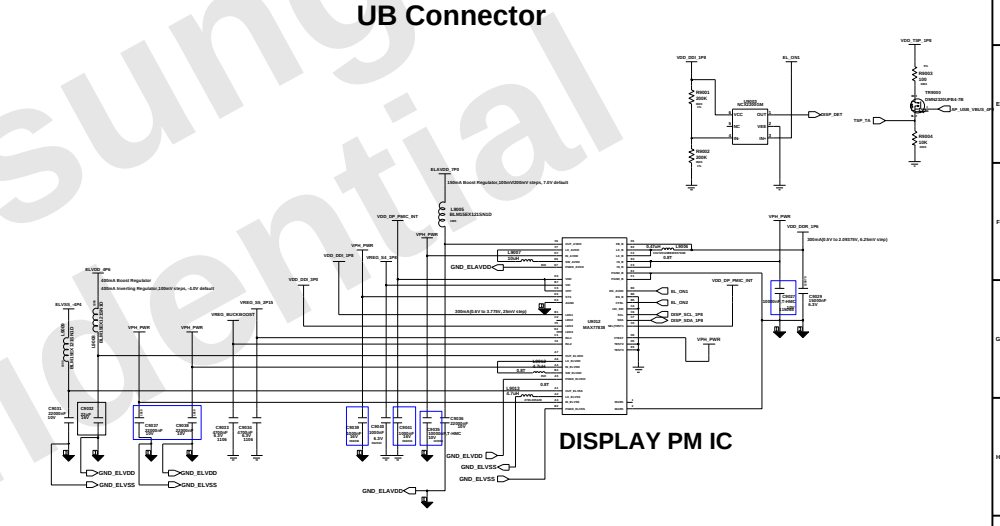
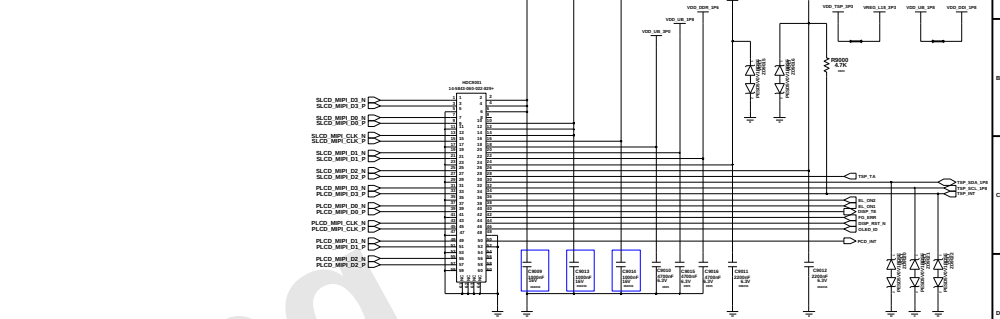
MOT CONTACT

Part No.	AUDIO
Rev.	1.0
Doc. Title	SM-G930
Doc. No.	SM-G930
Rev.	1.0
Doc. No.	SM-G930

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DISPLAY (For WQHD)



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