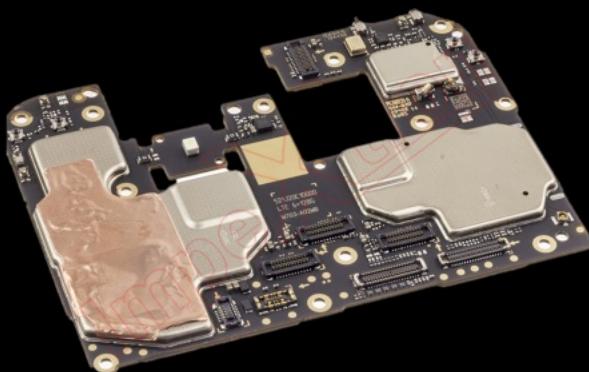




SECUENCIA DE ENCENDIDO XIAOMI POCO X3 PRO



OSMAR F. LIZARAZU MAGNE
GABRIEL POMA

CIRCUITOS
PARTE DE LA
SECUENCIA
ENCENDIDO

ETAPA 1
LINEA
V_VATTERY
LINEA V_BAT

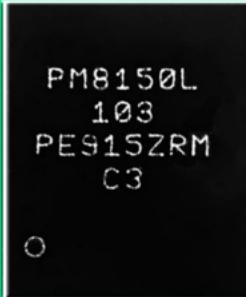
ETAPA 2
BUCK
LDO'S
XTAL

ETAPA 3
PMU
CPU
SUB_PMIC

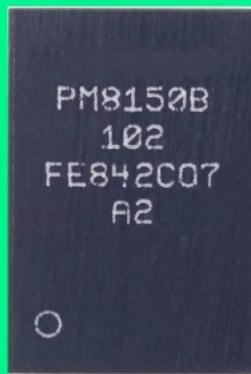
AGRADECIMIENTO



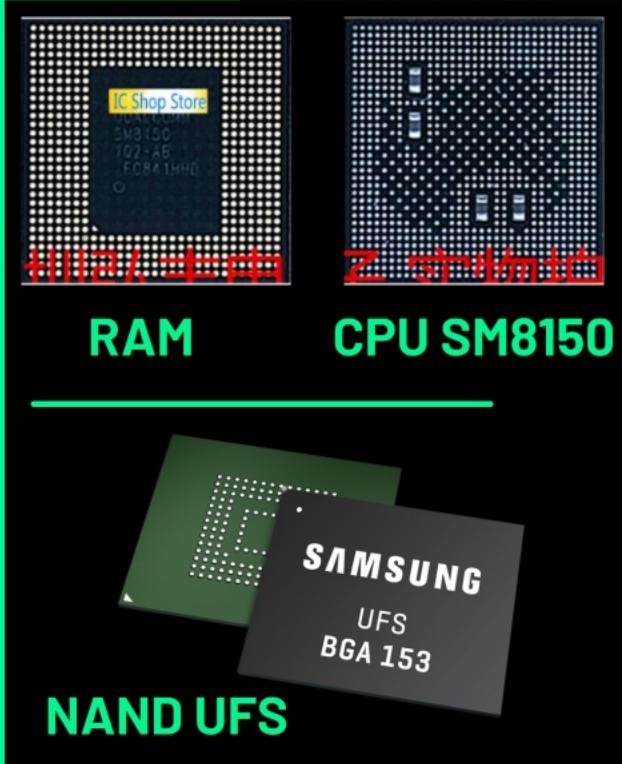
PMIC 1



PMIC 2



SUB PMIC



SECUENCIA DE ENCENDIDO POR ETAPAS



ETAPA 1

V_BATTERY
V_BAT

ETAPA 2

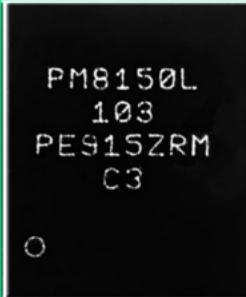
LINEAS BUCK
LINEAS LDO'S
OSCILACION
ANALOGICA
OSCILACION
DIGITAL

ETAPA 3

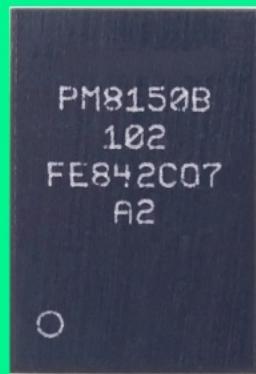
LINEAS DIGITAL
PMU1 A CPU
LINEAS CPU A
PMIC2, NAND,
RAM, SUB PMIC



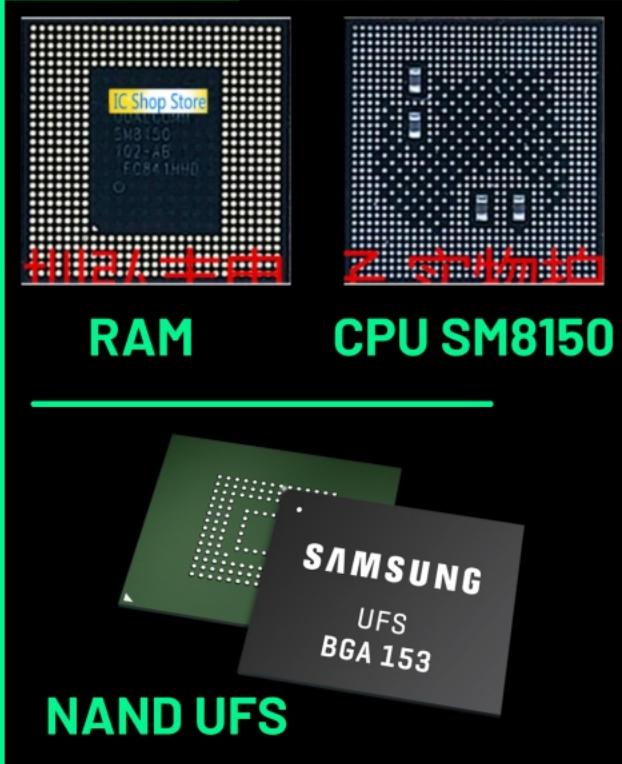
PMIC 1



PMIC 2

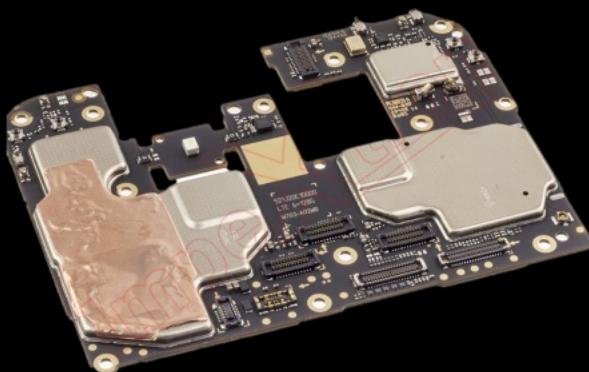


SUB PMIC





SECUENCIA DE ENCENDIDO XIAOMI POCO X3 PRO



OSMAR F. LIZARAZU MAGNE
GABRIEL POMA

CIRCUITOS
PARTE DE LA
SECUENCIA
ENCENDIDO

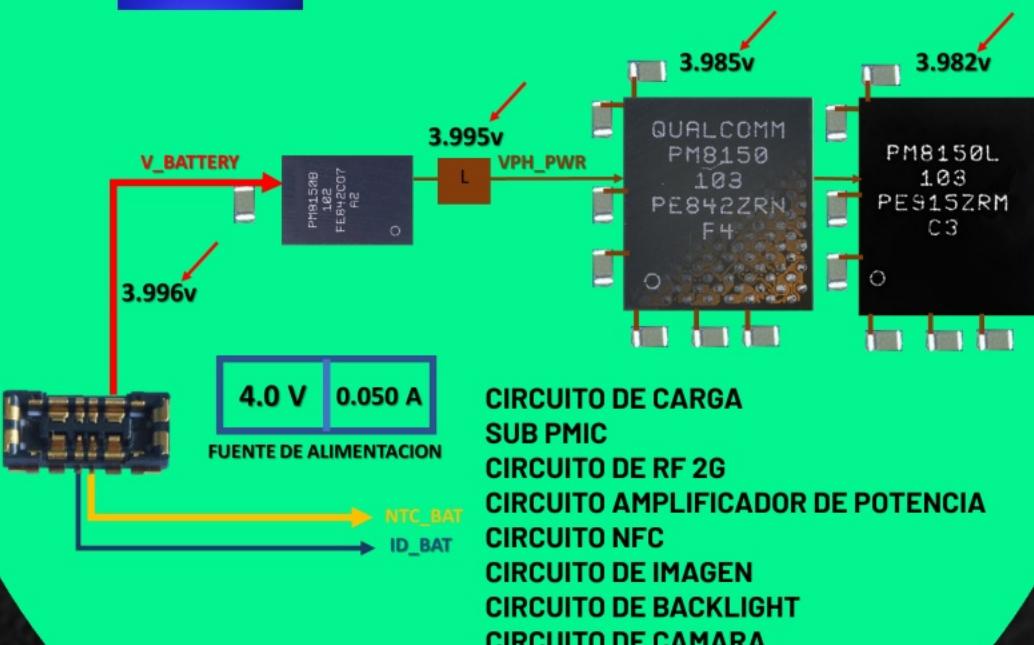
ETAPA 1
LINEA
V_VATTERY
LINEA V_BAT

ETAPA 2
BUCK
LDO'S
XTAL

ETAPA 3
PMU
CPU
SUB_PMIC

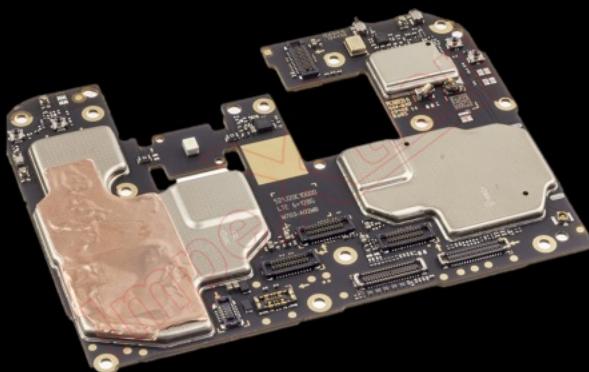
AGRADECIMIENTO

V_BATTERY V_BAT O VPH_PWR





SECUENCIA DE ENCENDIDO XIAOMI POCO X3 PRO



OSMAR F. LIZARAZU MAGNE
GABRIEL POMA

CIRCUITOS
PARTE DE LA
SECUENCIA
ENCENDIDO

ETAPA 1
LINEA
V_VATTERY
LINEA V_BAT

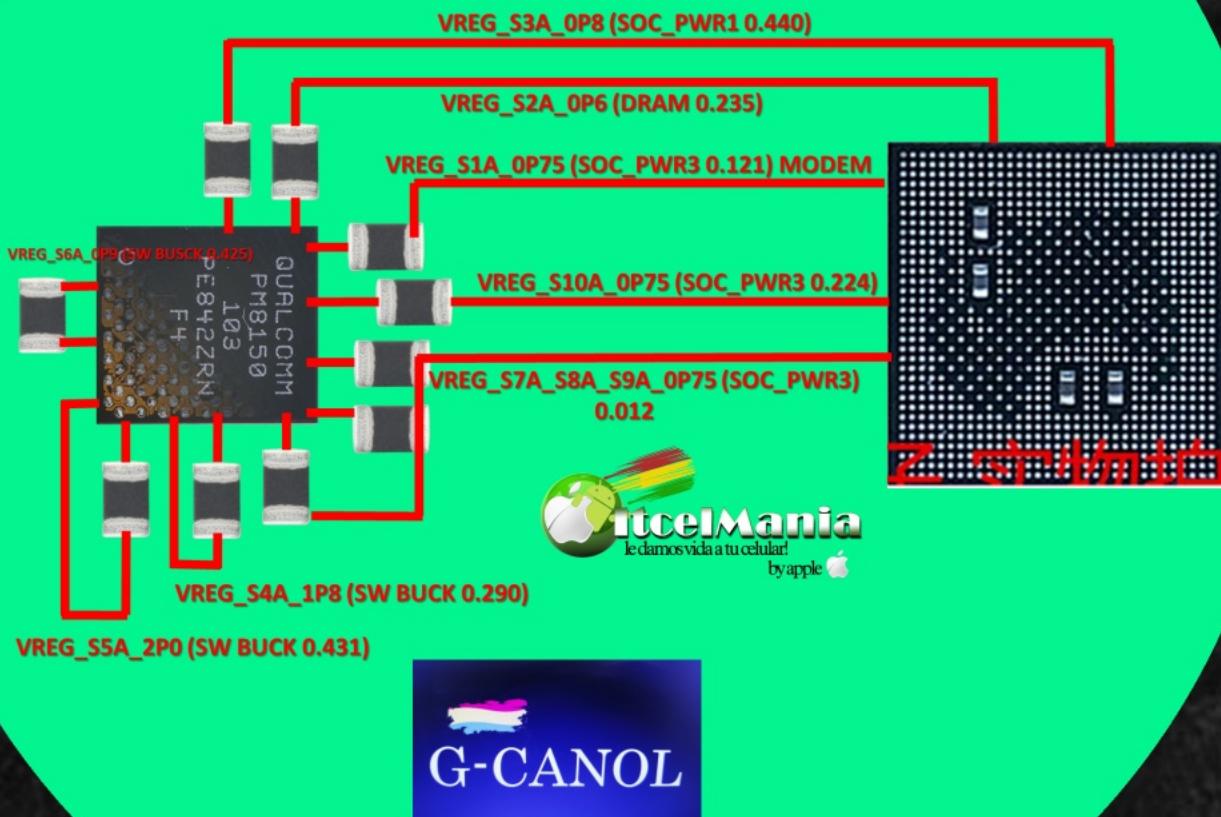
ETAPA 2
BUCK
LDO'S
XTAL

ETAPA 3
PMU
CPU
SUB_PMIC

AGRADECIMIENTO

XTAL
(CRISTAL DE
OSCILACION
ANALOGICA)

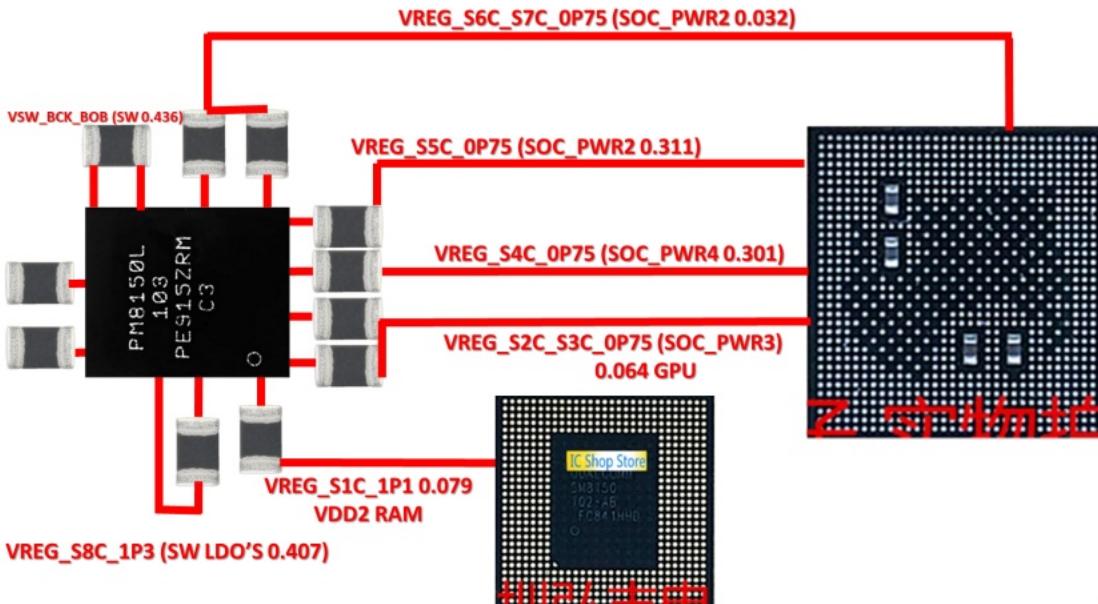
PMIC 1(SW BUCK)



PMIC 2 (SW BUCK)

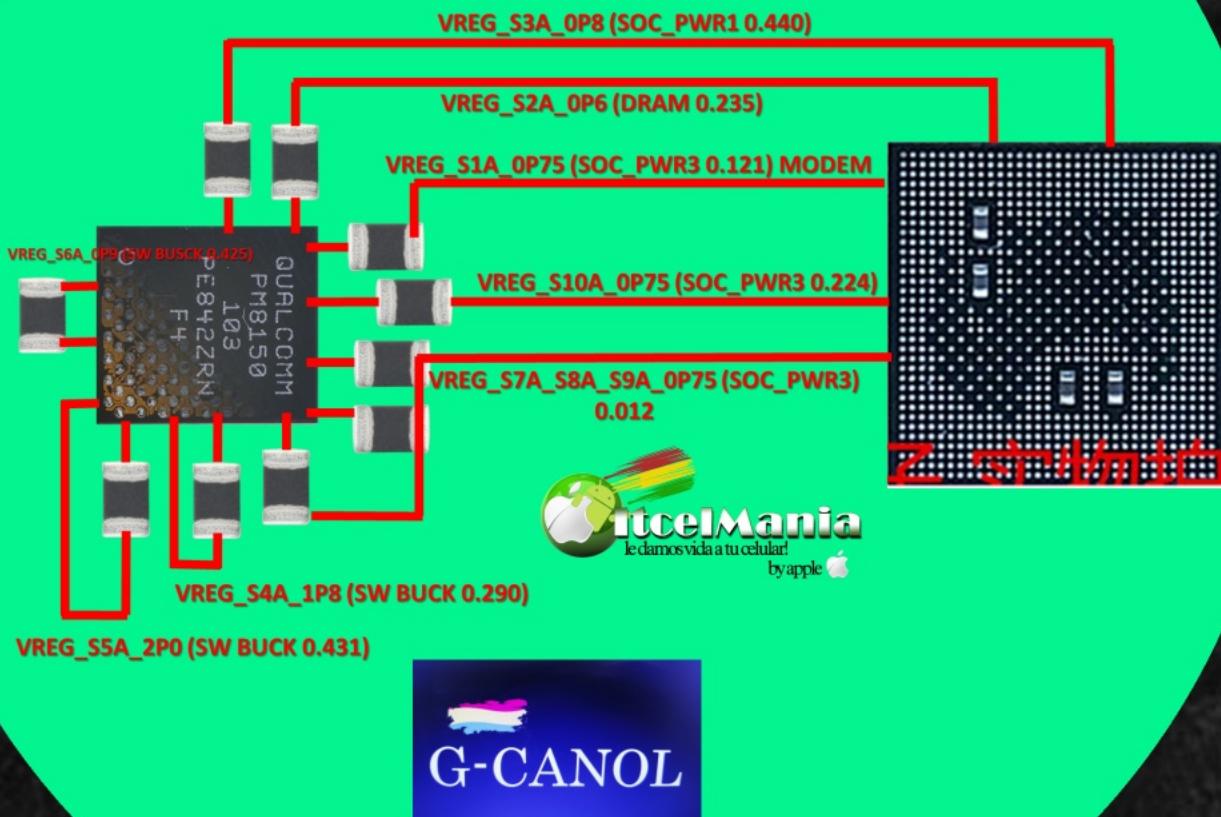
LDO'S

PMIC 2 BUCK CPU, RAM Y LDO



XTAL
(CRISTAL DE
OSCILACION
ANALOGICA)

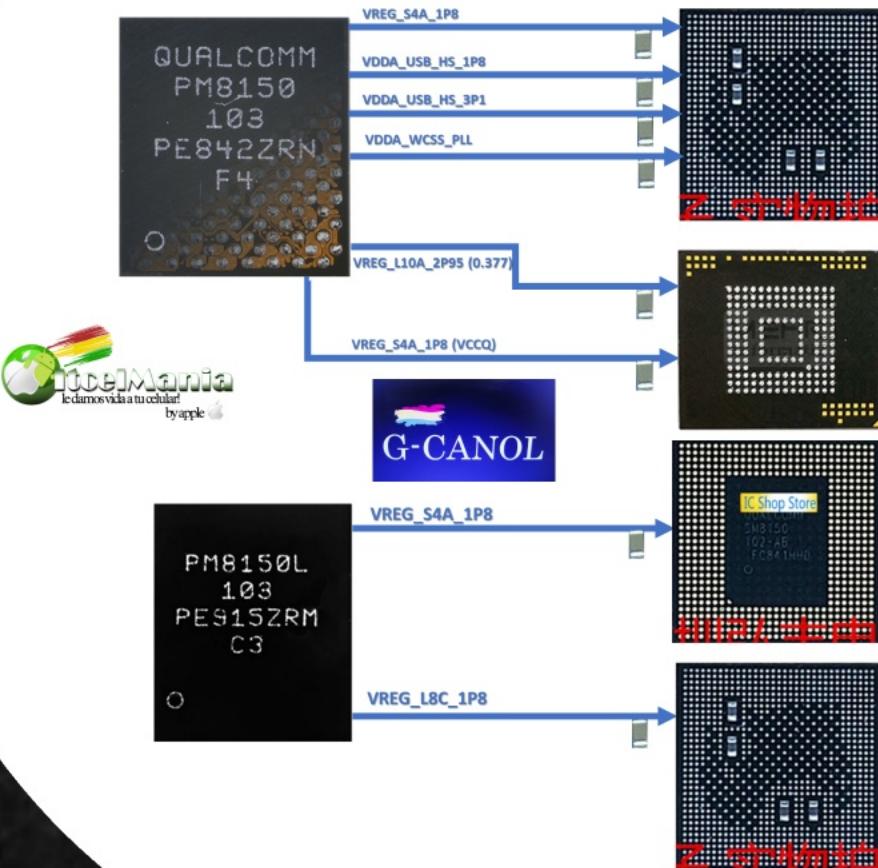
PMIC 1(SW BUCK)



PMIC 2 (SW BUCK)

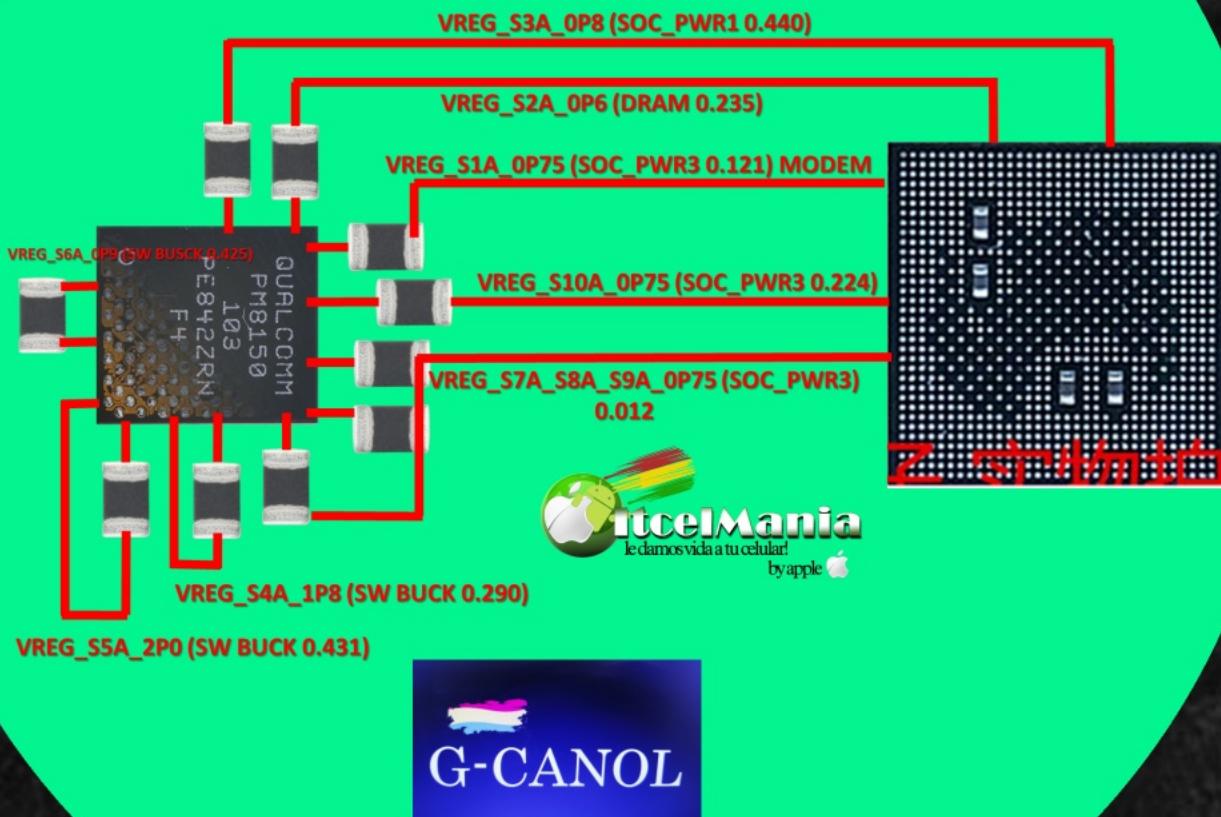
LDO'S

LDO'S



XTAL
(CRISTAL DE
OSCILACION
ANALOGICA)

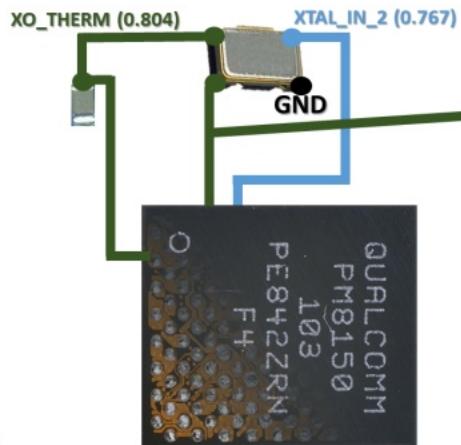
PMIC 1(SW BUCK)



PMIC 2 (SW BUCK)

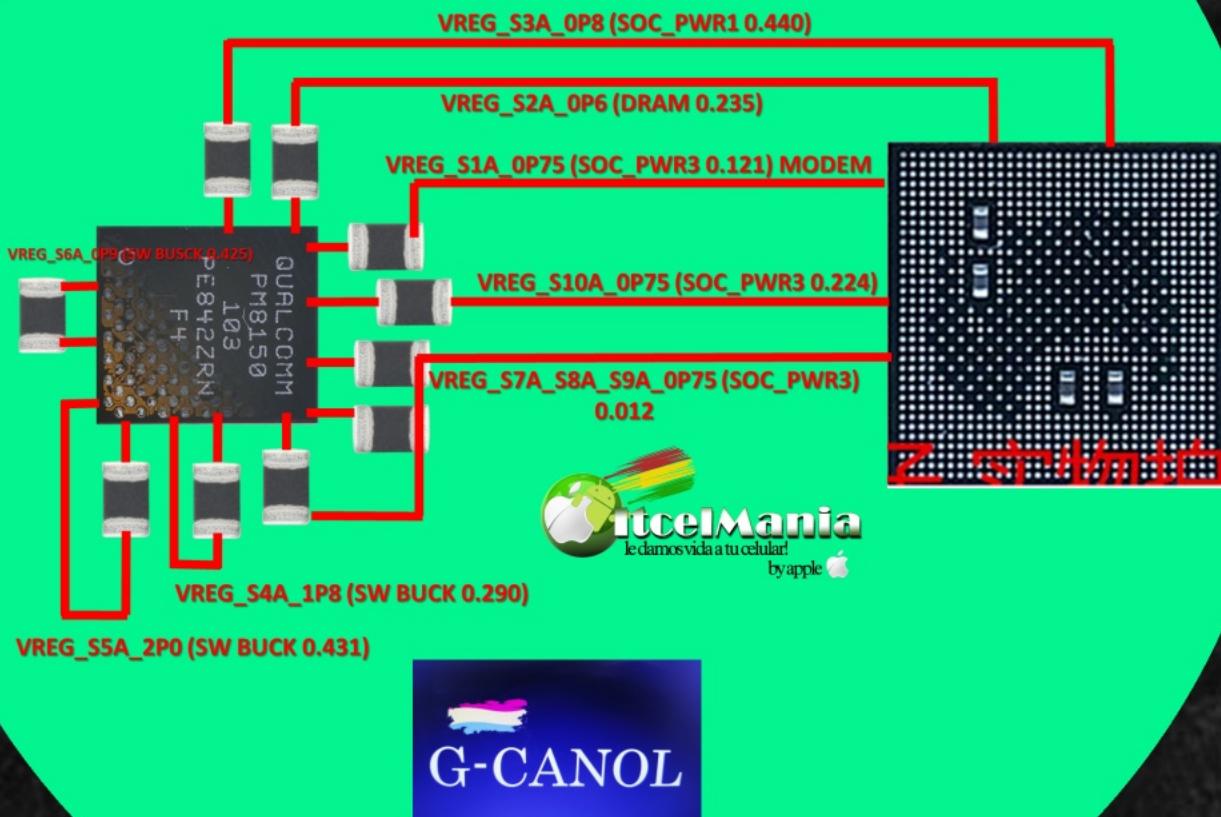
LDO'S

XTAL CRISTAL DE OSCILACION ANALOGICA



XTAL
(CRISTAL DE
OSCILACION
ANALOGICA)

PMIC 1(SW BUCK)

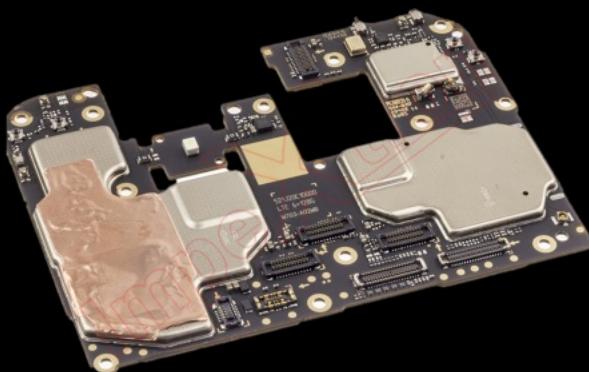


PMIC 2 (SW BUCK)

LDO'S



SECUENCIA DE ENCENDIDO XIAOMI POCO X3 PRO



OSMAR F. LIZARAZU MAGNE
GABRIEL POMA

CIRCUITOS
PARTE DE LA
SECUENCIA
ENCENDIDO

ETAPA 1
LINEA
V_VATTERY
LINEA V_BAT

ETAPA 2
BUCK
LDO'S
XTAL

ETAPA 3
PMU
CPU
SUB_PMIC

AGRADECIMIENTO

**obrigado Brasil
até breve**



Brasil

BOLIVIA



**obrigado Brasil
até breve**



Brasil

BOLIVIA



**obrigado Brasil
até breve**

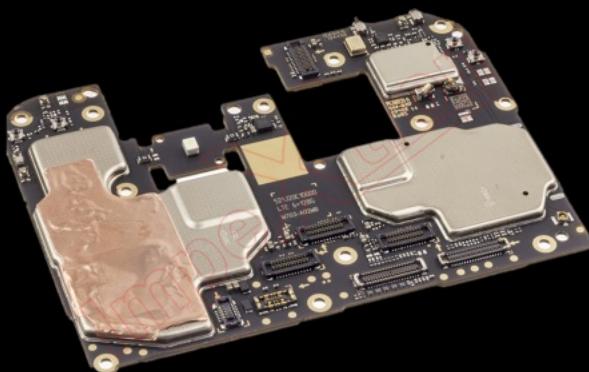


Brasil

BOLIVIA



SECUENCIA DE ENCENDIDO XIAOMI POCO X3 PRO



OSMAR F. LIZARAZU MAGNE
GABRIEL POMA

CIRCUITOS
PARTE DE LA
SECUENCIA
ENCENDIDO

ETAPA 1
LINEA
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LINEA V_BAT

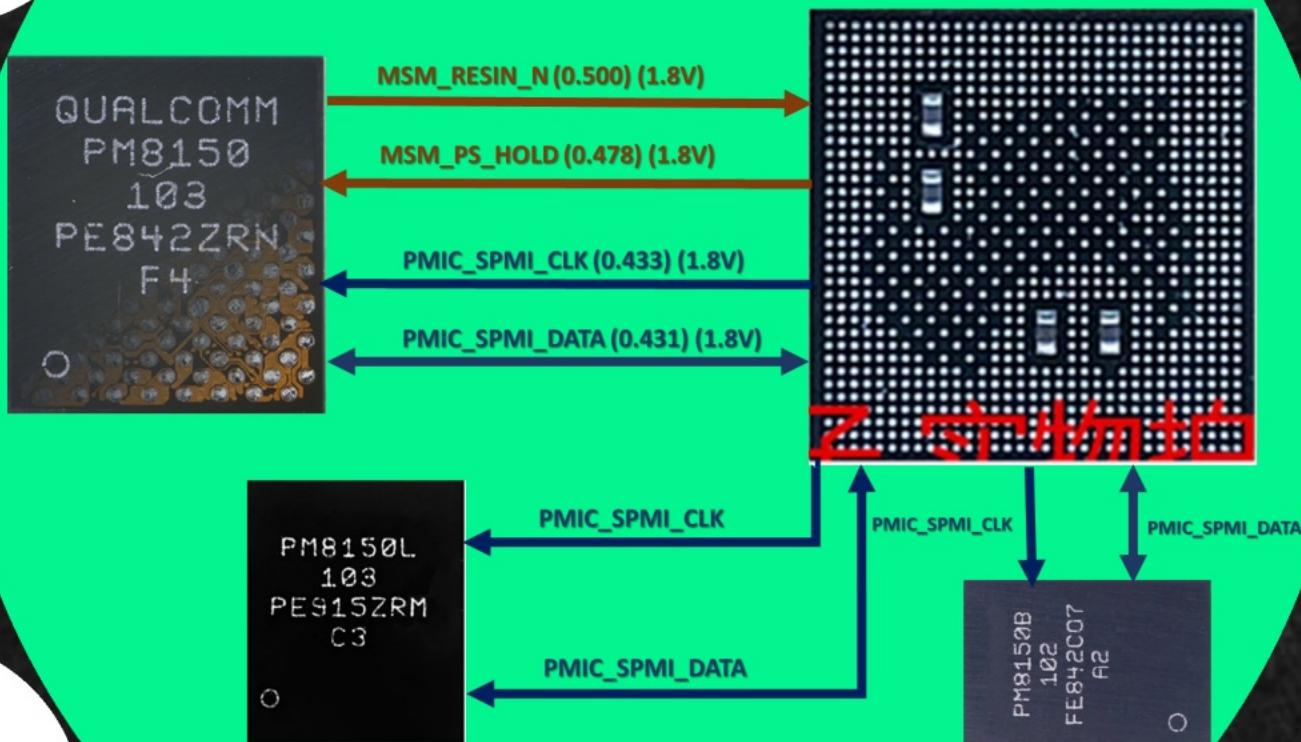
ETAPA 2
BUCK
LDO'S
XTAL

ETAPA 3
PMU
CPU
SUB_PMIC

AGRADECIMIENTO

CPU
Y
NAND

PMIC - CPU DIGITAL

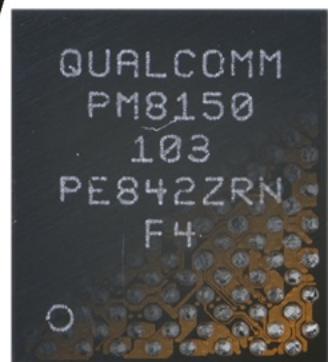


PMIC - CPU (OSCILOSCOPIO)

OSCILOSCOPIO
SPMI_CLK
SPMI_DATA

CPU
Y
NAND
OSCILOSCOPIO

LINEA RESET Y PS_HOLD



MSM_RESET_N (0.500) (1.8V)

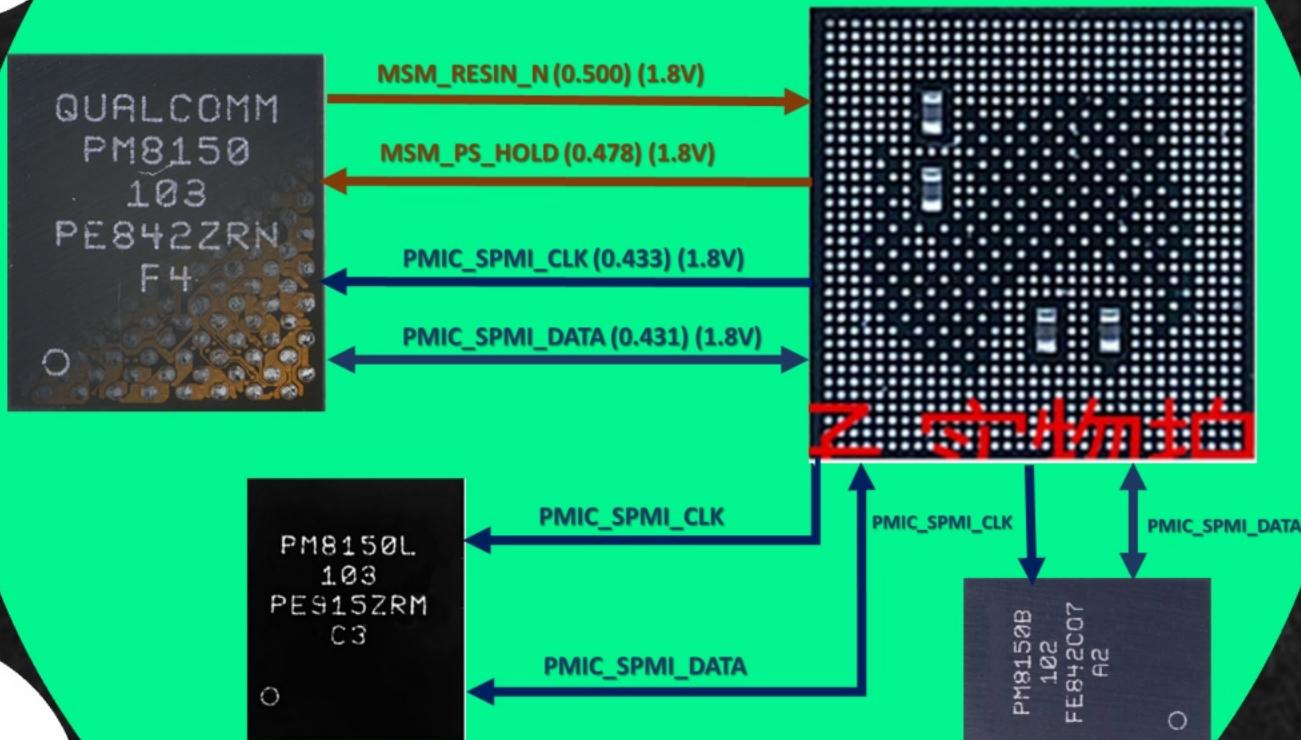


MSM_PS_HOLD (0.478) (1.8V)



CPU
Y
NAND

PMIC - CPU DIGITAL



PMIC - CPU (OSCILOSCOPIO)

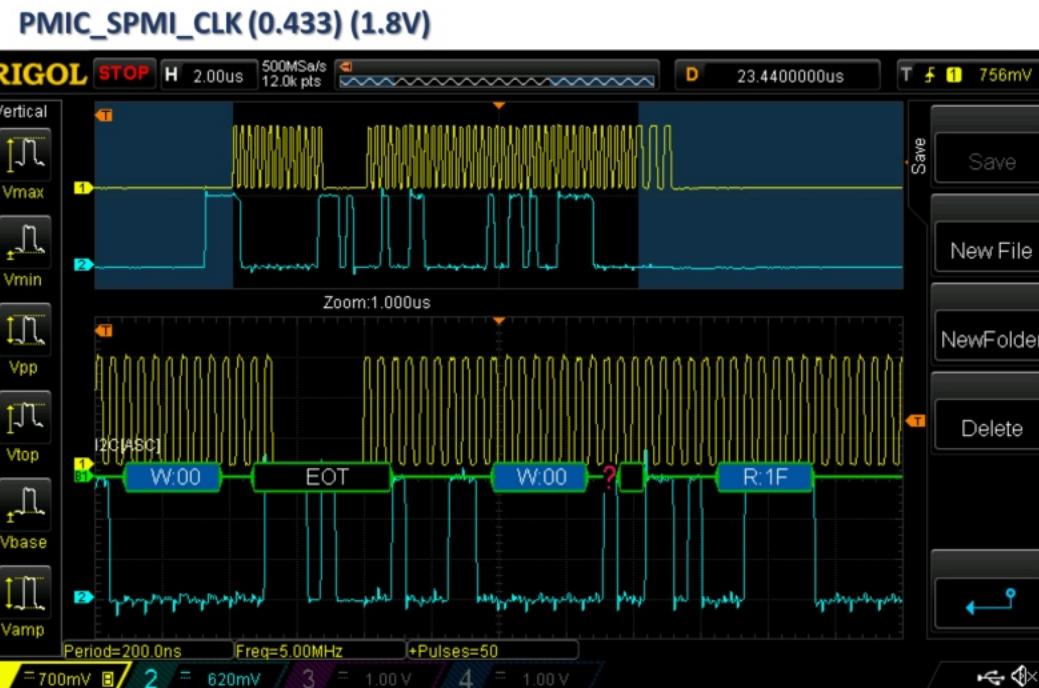
OSCILOSCOPIO
SPMI_CLK
SPMI_DATA

CPU
Y
NAND
OSCILOSCOPIO

OSCILOSCOPIO

SPMI_CLK

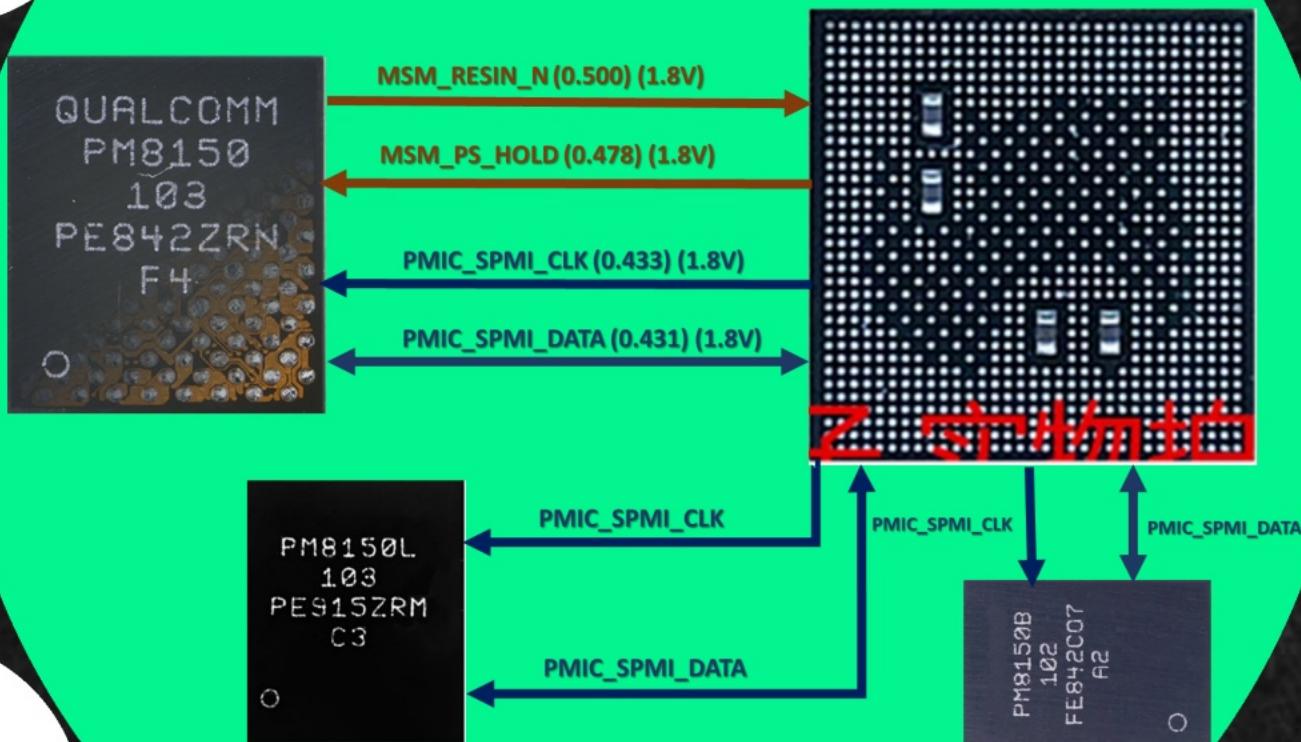
SPMI_DATA



PMIC_SPMI_DATA (0.431) (1.8V)

CPU
Y
NAND

PMIC - CPU DIGITAL

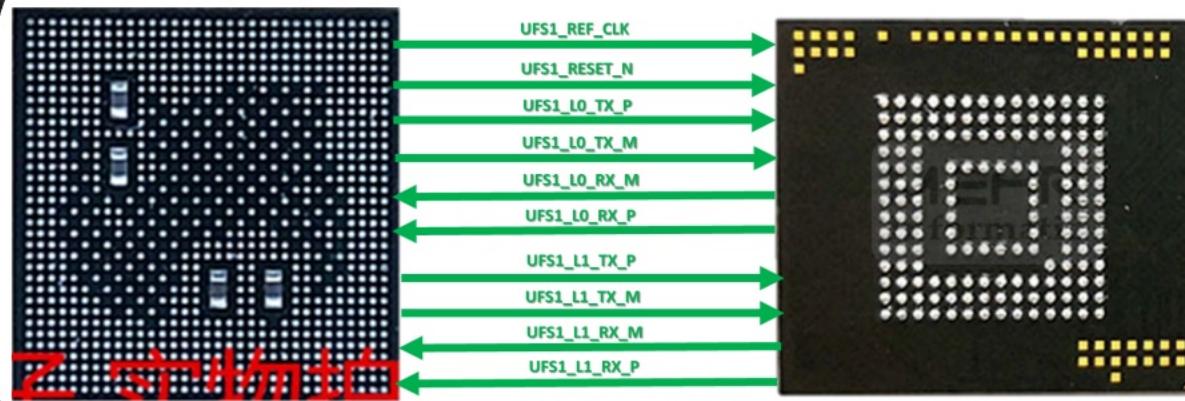


PMIC - CPU (OSCILOSCOPIO)

OSCILOSCOPIO
SPMI_CLK
SPMI_DATA

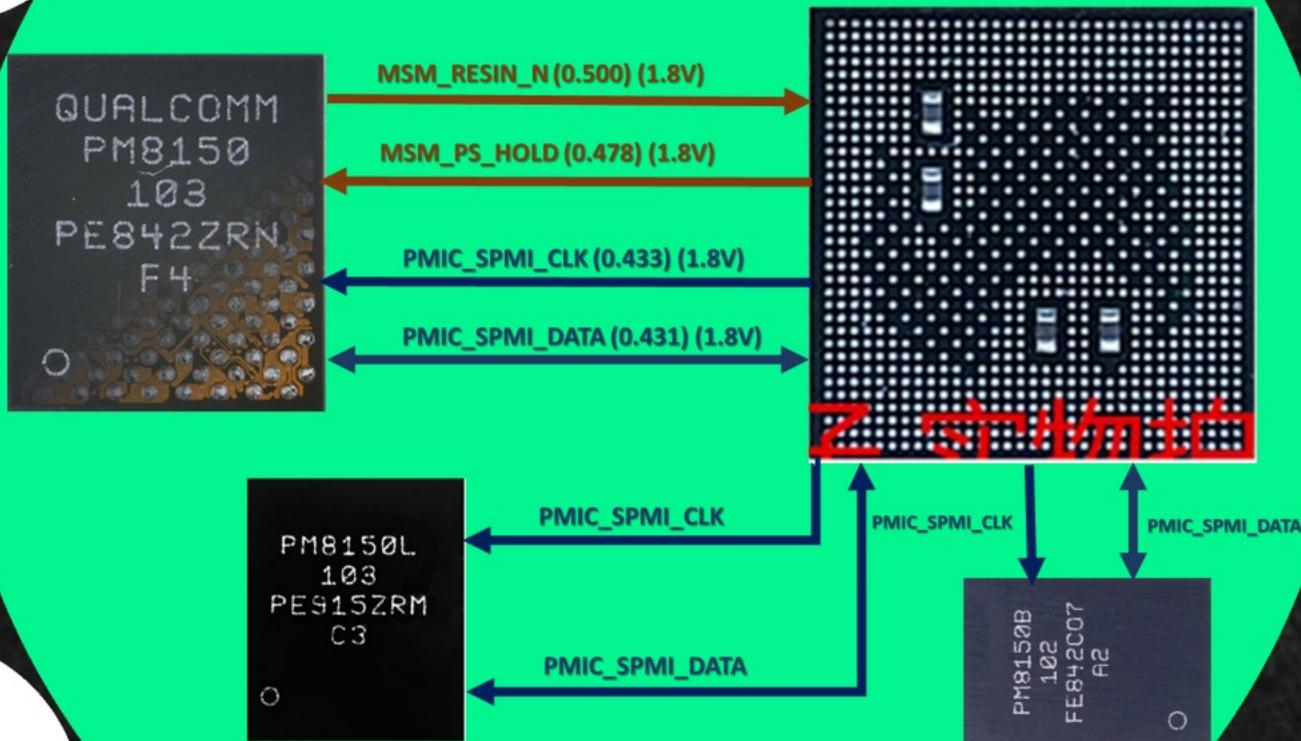
CPU
Y
NAND
OSCILOSCOPIO

CPU Y NAND



CPU
Y
NAND

PMIC - CPU DIGITAL



PMIC - CPU (OSCILOSCOPIO)

OSCILOSCOPIO
SPMI_CLK
SPMI_DATA

CPU
Y
NAND
OSCILOSCOPIO

CPU Y NAND CLK y RESET



CPU Y MEMORIA (NAND)
LÍNEA CLK 1.8V

VOLTAJE DE ALIMENTACION CPU A NAND
LÍNEA CLK DE 1.8V PARA ALIMENTAR LA
FRECUENCIA DE LA MEMORIA

OSMAR F. LIZARAZU MAGNE

RIGOL STOP H 50.0ns 1.000Swe D 200.000000ns T F 1.8V

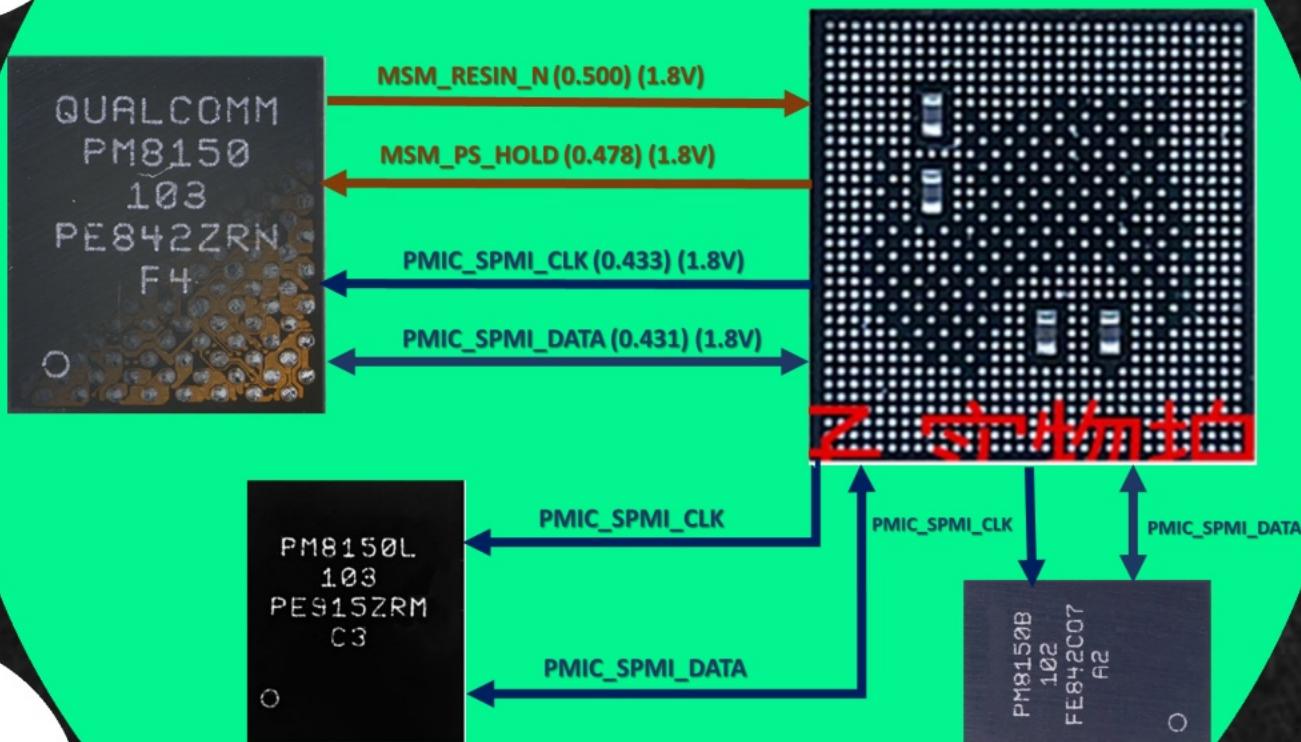
Period: 4.000ns Freq: 250.0MHz BY: 1.202 V BK: 1.608us BY: -7.200mV BY: 1.600us BY: -1.210 V 1/f: 2.048MHz

Period: 10.50ns Freq: 95.0MHz BY: 1.202 V BK: 1.608us BY: -7.200mV BY: 1.600us BY: -1.210 V 1/f: 95.0MHz

LAS MEMORIA (NAND) DE ANDROID SU
FRECUENCIA TIENEN ESTOS TIPOS DE MHZ 19,
21, 26 Y 30. POR DEFECTO LA MEMORIA UFS VA
DE 26 MHZ. PARA QUE NOS SIRVE PARA SABER
EL ESTADO FISICO DE LA MEMORIA. ANTES DE
ESO DEBE VERIFICAR LA ALIMENTACION DEL CPU
ALIMENTACION DE 1.8V. OTRO PUNTO ES PARA
DESCARTAR QUE ES FALLA DE CPU

CPU
Y
NAND

PMIC - CPU DIGITAL



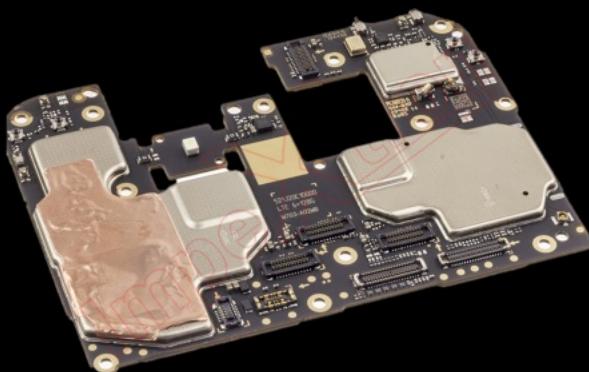
PMIC - CPU (OSCILOSCOPIO)

OSCILOSCOPIO
SPMI_CLK
SPMI_DATA

CPU
Y
NAND
OSCILOSCOPIO



SECUENCIA DE ENCENDIDO XIAOMI POCO X3 PRO



OSMAR F. LIZARAZU MAGNE
GABRIEL POMA

CIRCUITOS
PARTE DE LA
SECUENCIA
ENCENDIDO

ETAPA 1
LINEA
V_VATTERY
LINEA V_BAT

ETAPA 2
BUCK
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AGRADECIMIENTO