NFC_SPI_CS_N NFC_SPI_SCLK

NFC_SPI_MISO

NFC_SPI_MOSI

SIM1_RST/CLK/DATA

SIM1_RST/CLK/DATA

SIM_TRAY_DET

_WCN_RFCLK/ WLAN_SW_CTRL —NFC_CLK_19.2M—

SIM1 TS254-C21B-C15

SS254-C07B-C14

-MUIC_D_N/P---

--WLAN_PWR_EN----

TYPE_C_INT VREF_HVPAD/

-SDM_RESIN_N/-

WLAN_PWR_EN
—SDM_PS_HOLD
—SDM_CXO(19.2MHz)

SLEEP_CLK(32KHz)

5 BUCK, 19 LDO

PM7150

—SMB_SHDN_N———

—SMB_EN_CHG——→

─USB_IN_MID

—SMB_STAT—

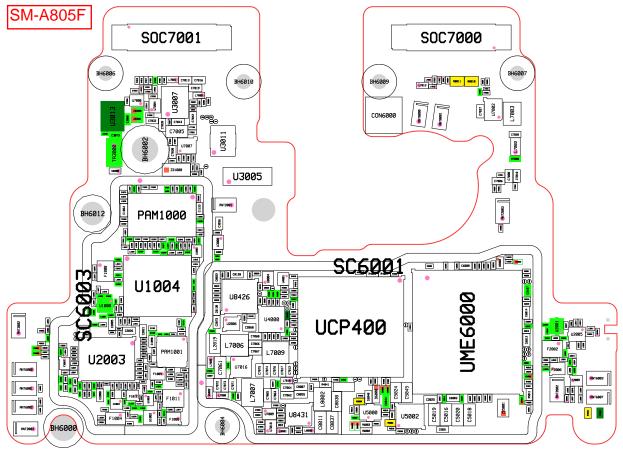
-VPH_PWR----

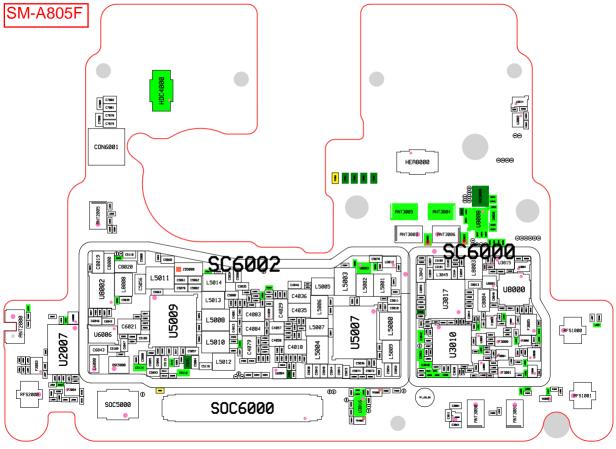
BATTERY 4000mAh

(SDI)

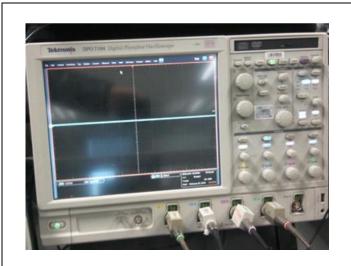
CHARGER

SMB1390





8-3. Flow chart of Troubleshooting.





Oscilloscope

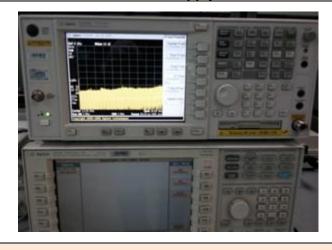
Digital Multimeter





Power Supply

+,Y driver, ESD Safe Tweezer





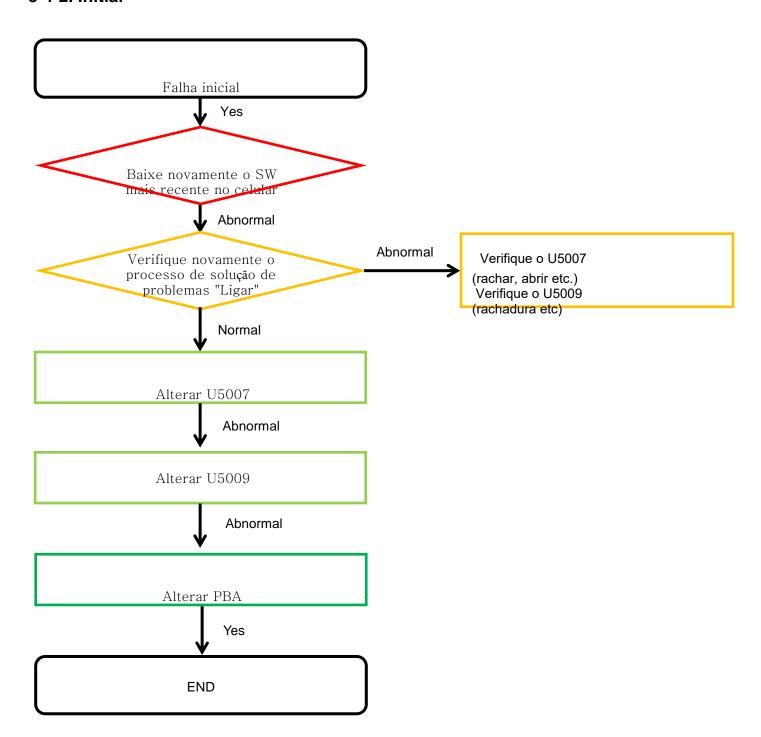
8960 & Spectrum Analyzer

Soldering iron

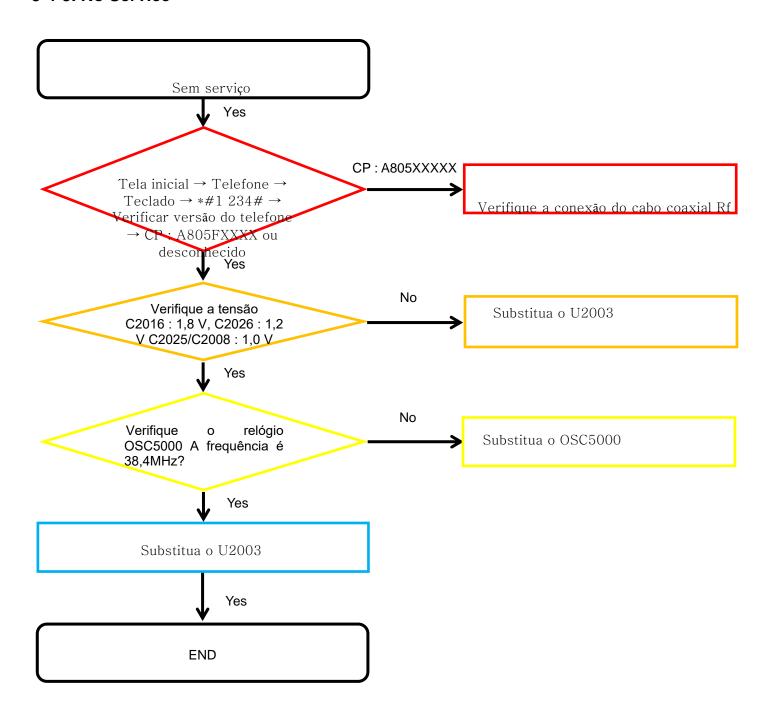
8-4-1. Power On O celular não liga. Yes Carregar a bateria por TA. Se o nível de tensão for extremamente No Verifique a tensão da baixo (abaixo de 3,0 V), bateria. É mais do que Troque a bateria. 3.8V? Yes Ligue o telefone e verifique o Yes som ao ligar ou vibração do motor. Som ou vibração está Troque o CONJUNTO FRONT-OCTA ok? No Verifique o nível de tensão em R6015 enquanto No Substitua a chave de alimentação FPCB pressiona a tecla liga/ desliga. A tensão é inferior a 0,3 V? Verifique a tensão de saída de U5007 Yes C5040 > 3.3V, L5000 > 1.1V, L5002 > 0.9V, L5003 > 0.9V, L5005> 0.9V, L5006 > 0.9V, L5007 No > 0.9V, L5009 > 1.3V and other LDO Verifique o sinal de TRST_N = 1,8V Tensão Se a tensão de saída for anormal, Mude o U5007 Cada nível de tensão tem ± 10% de margem Verifique o sinal de No SLEEP_CLK A frequência é Replace the U5009 32.768kHz? * Test condition (Oscilloscope setting) : 20.0us.div (time division) Yes Verifique a operação inicial Yes

END

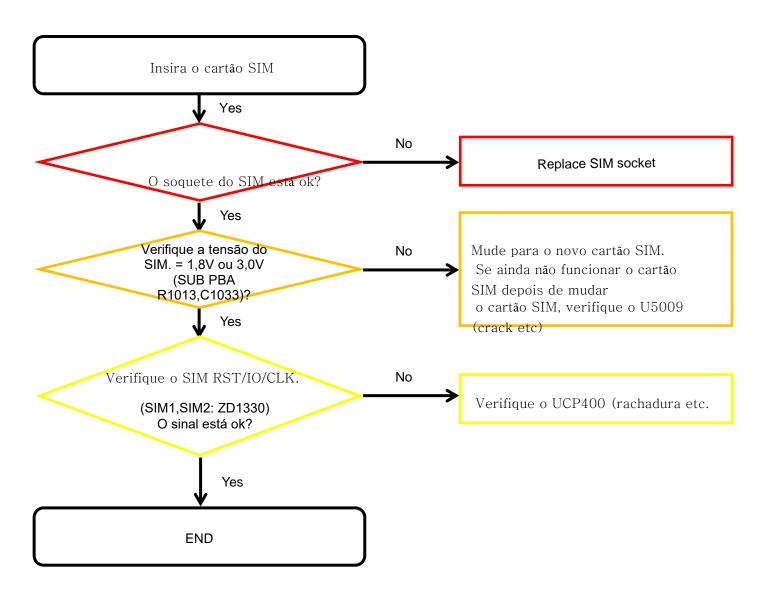
8-4-2. Initial



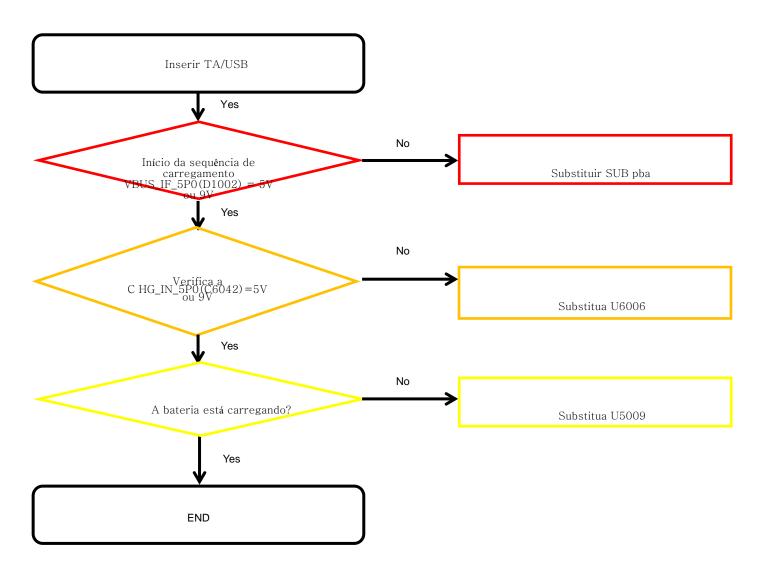
8-4-3. No Service



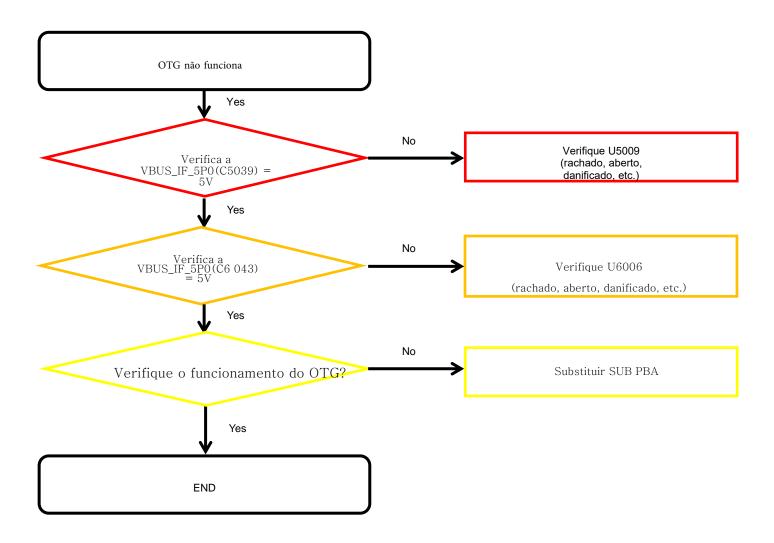
8-4-4. SIM Part



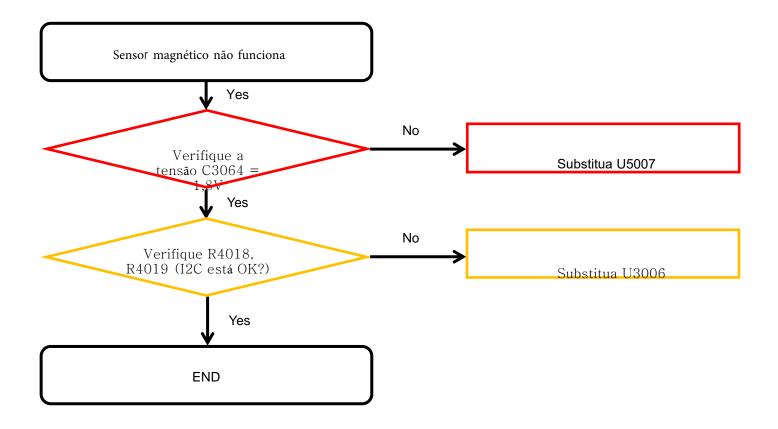
8-4-5. Cable Charging Part



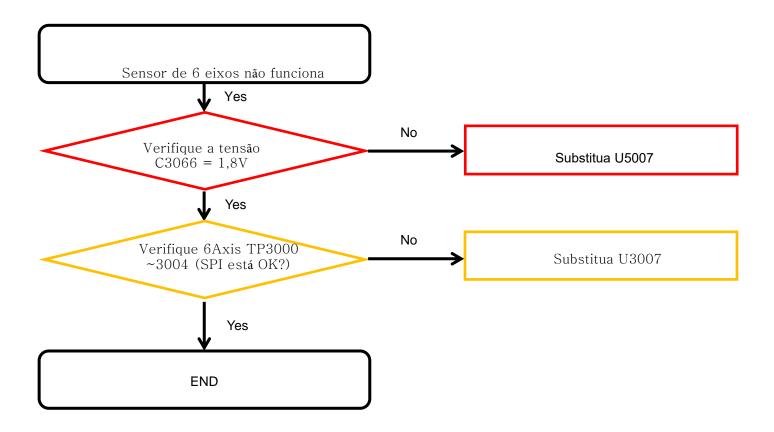
8-4-6. OTG



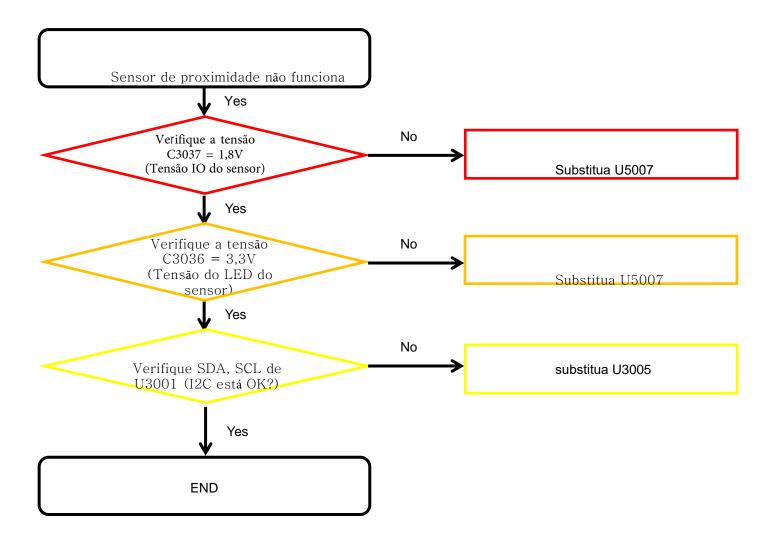
8-4-7-1. Magnetic Sensor



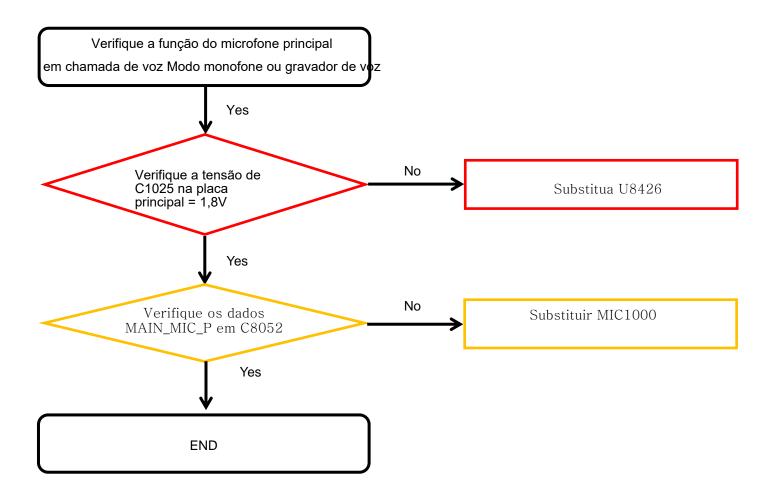
8-4-7-2. 6Axis Sensor



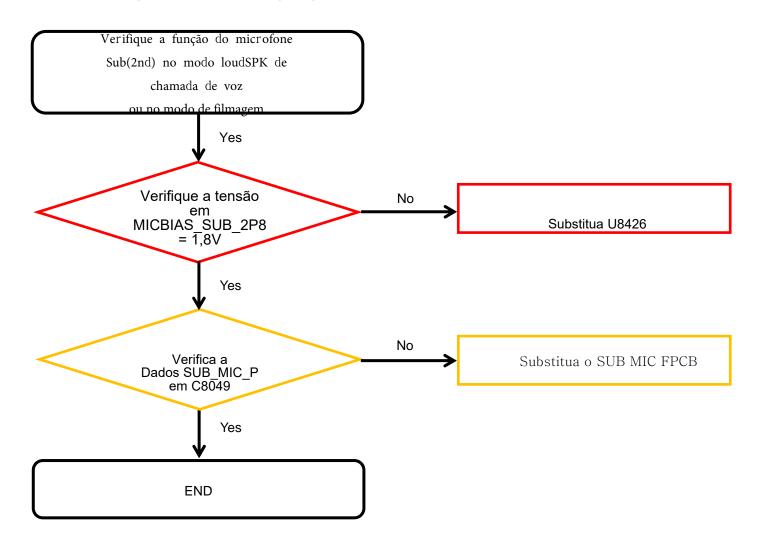
8-4-7-3. Proximity



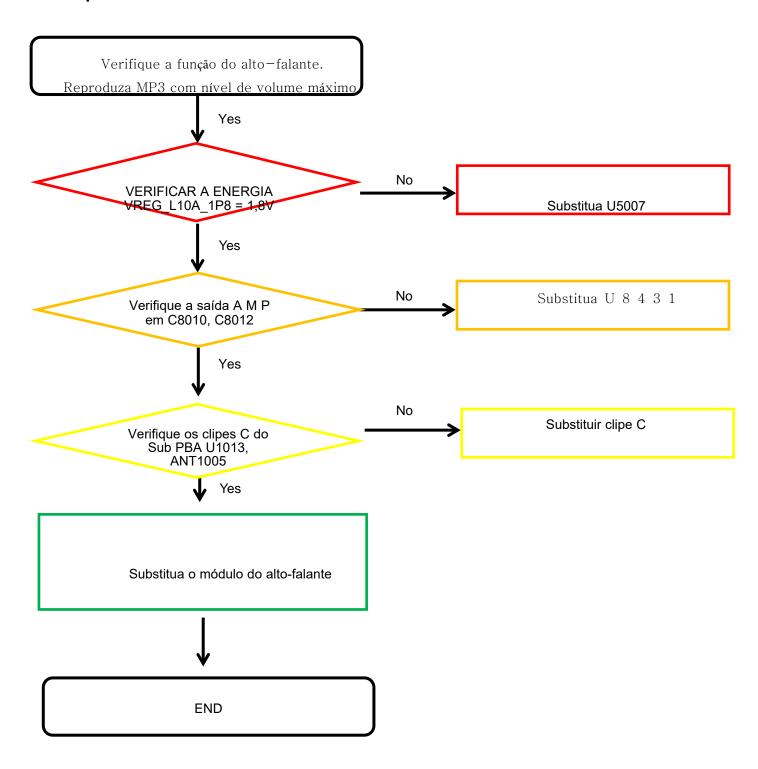
8-4-8-1. Microphone Part - Main MIC



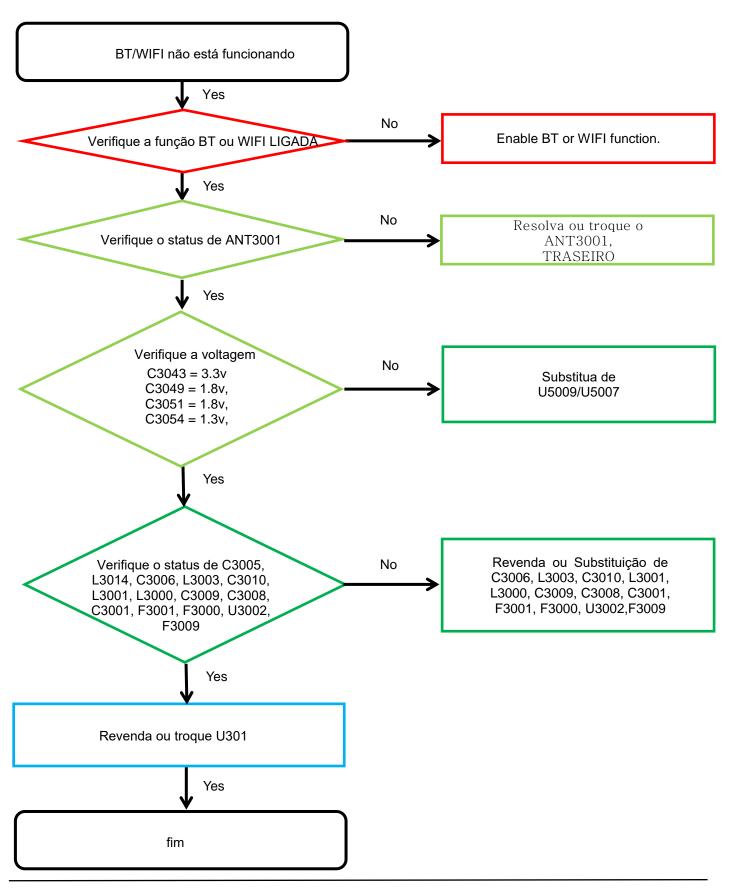
8-4-8-2. Microphone Part - Sub(2nd) MIC



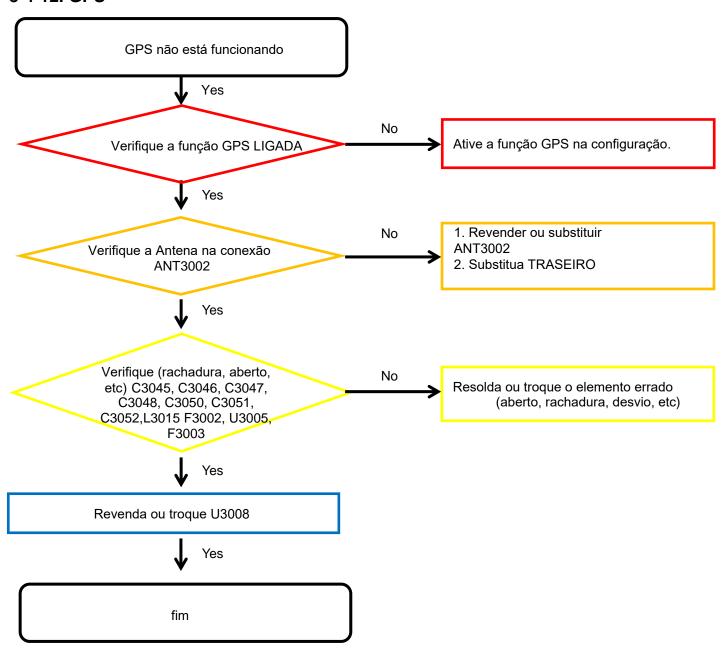
8-4-9. Speaker Part



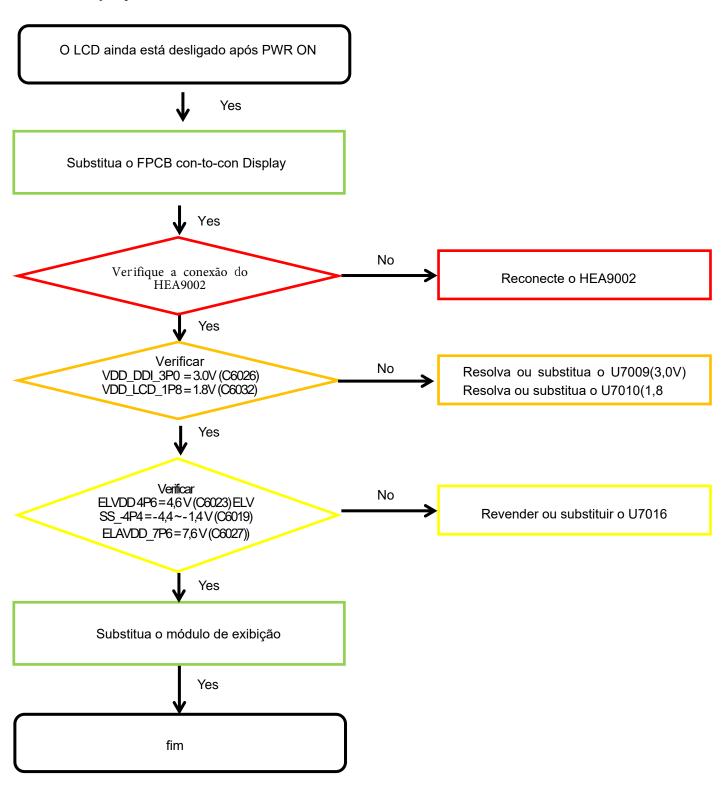
8-4-11. BT/WIFI



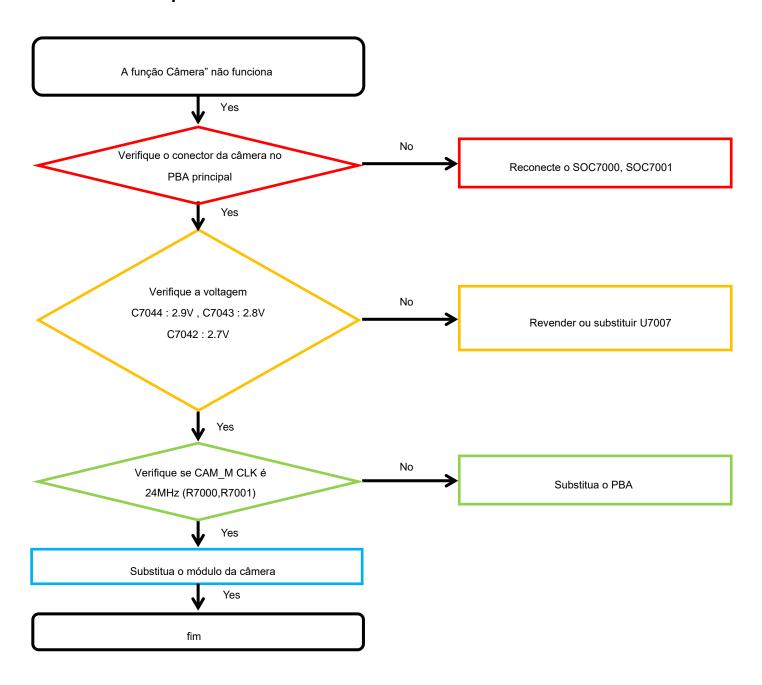
8-4-12. GPS



8-4-16. Display



8-4-17. Câmera tripla



8-4-18, TSP

