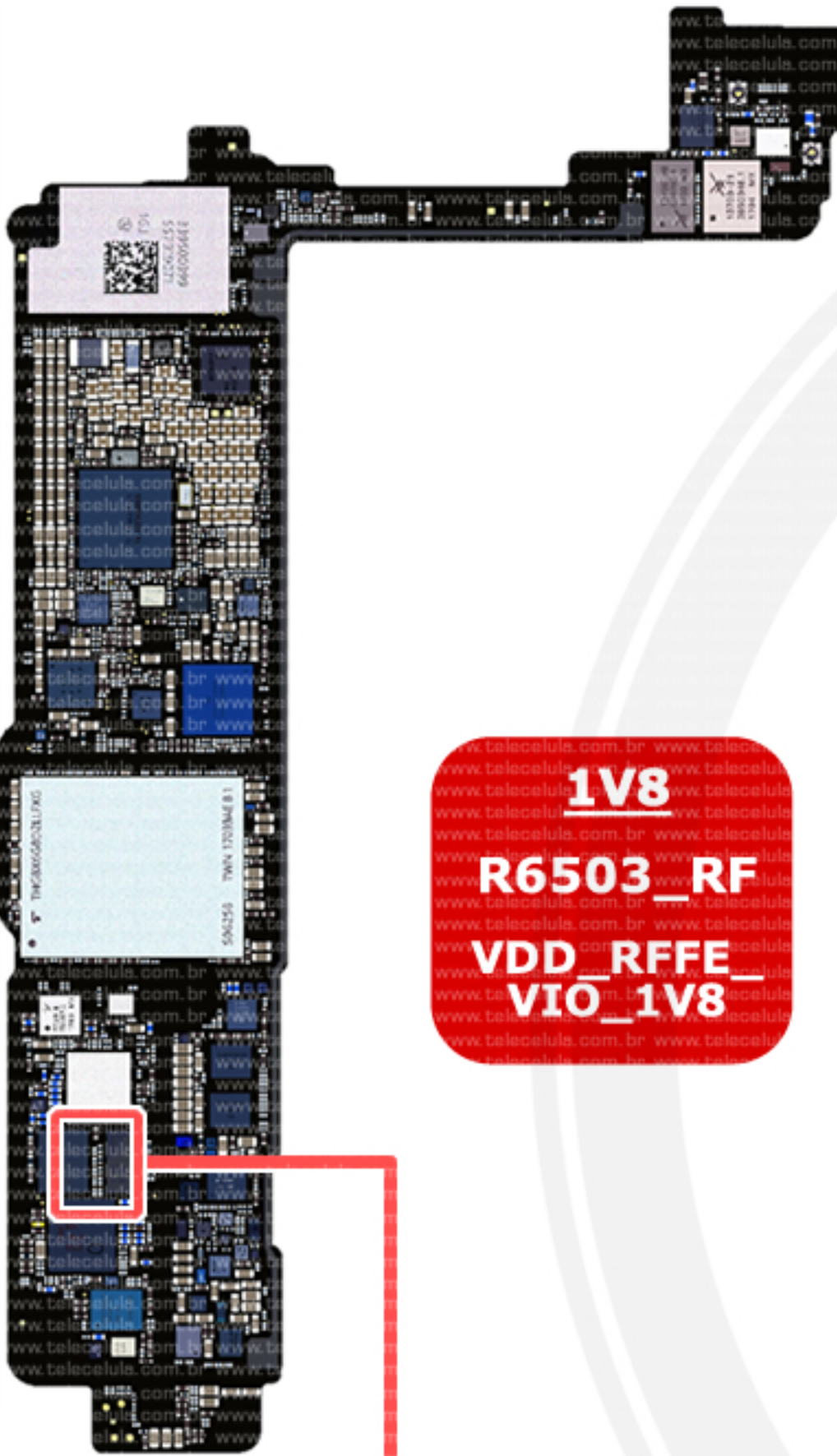


# RFFE - XRECEIVER (XCVRO\_RF) (XCVR1\_RF)

(XRCEIVER 071)

## IPHONE 7 INTEL

APN: 820-00189-A



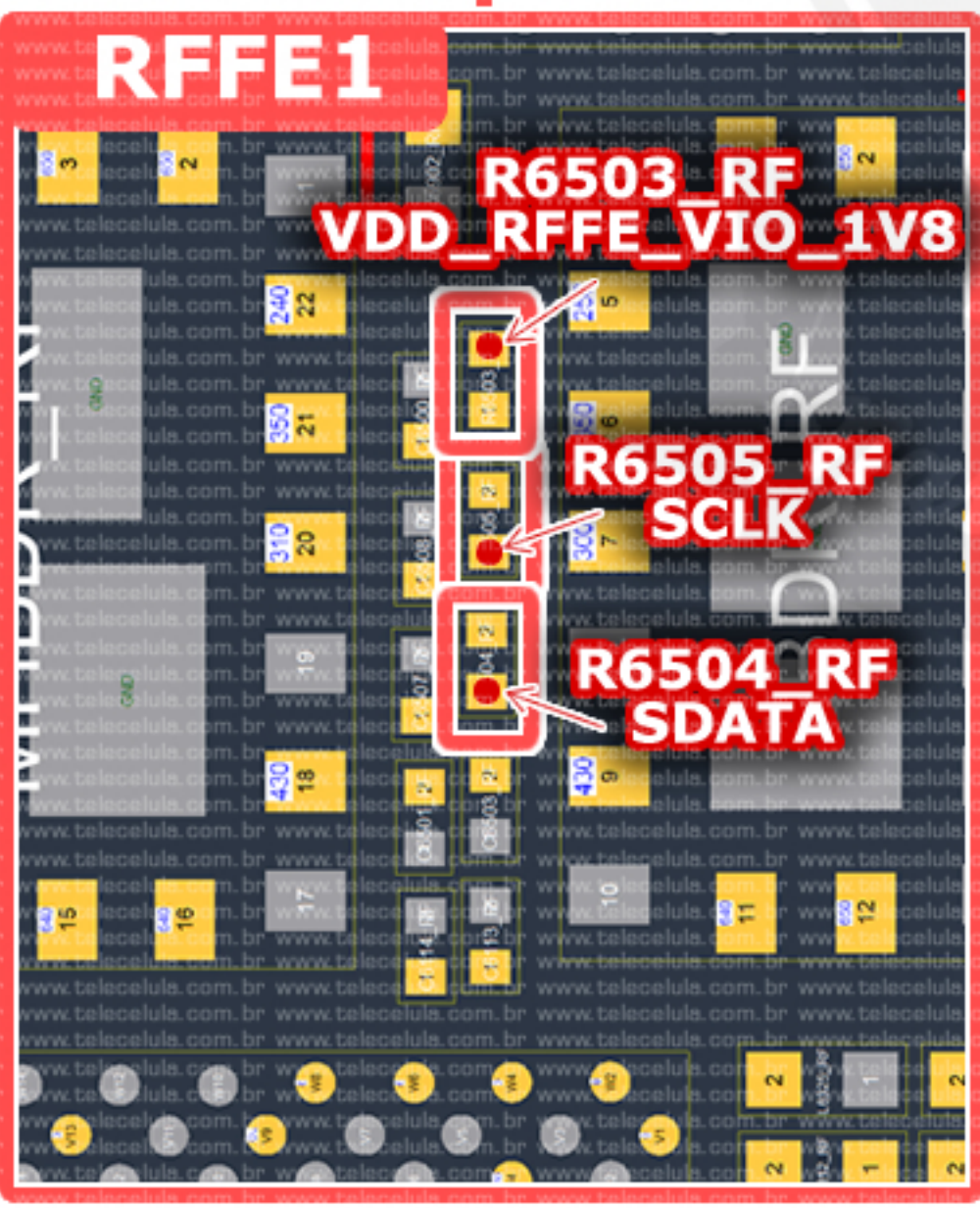
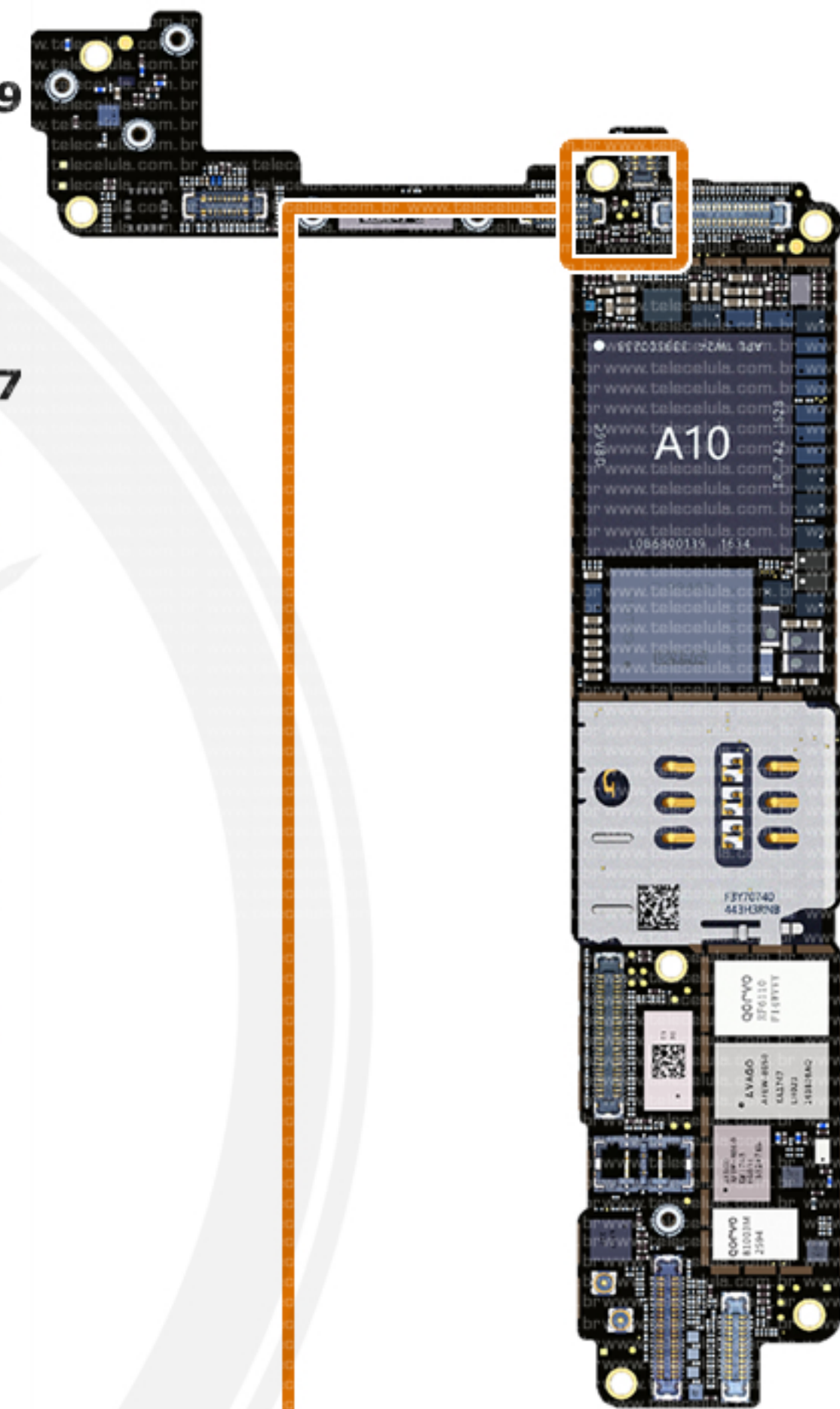
**1V8**  
**R6503\_RF**  
**VDD\_RFFE\_VIO\_1V8**

<b>RFFE1</b>	<b>SKY77359</b>
<b>GSM PA RF</b>	<b>2G PA 0x5</b>
	<b>MB HB TDD SPAD</b>
<b>TDD PA RF</b>	<b>4G 0xF</b>
	<b>QM81003M</b>
<b>ET RF</b>	<b>ENVELOPE 0xC</b>
	<b>MB HB S PAD</b>
<b>MBHBPA RF</b>	<b>0xE</b>
	<b>D513</b>
<b>MB HB DRX ASM</b>	<b>0xA</b>
<b>LATCP RF</b>	<b>DUAL COUPLER 0x6</b>
<b>UATCP_RF</b>	<b>0x7</b>
	<b>RF6110</b>
<b>LBPA_RF</b>	<b>LB S_PAD 0xD</b>
<b>GPIO</b>	<b>0x8</b>
	<b>D5325</b>
<b>LB DRX_ASM</b>	<b>0x9</b>

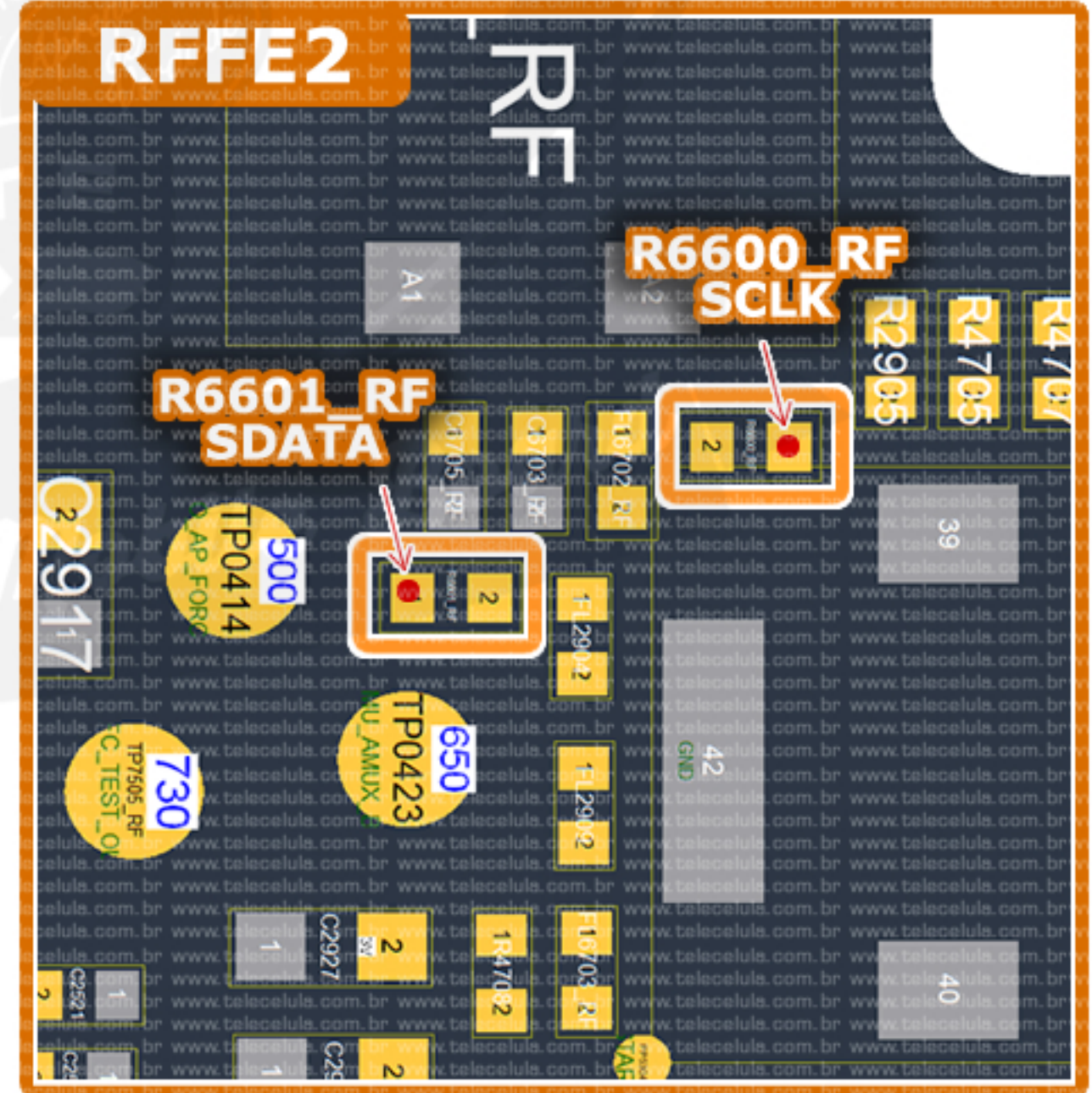
<b>RFFE2</b>	<b>SKY13703-19</b>
<b>MHBLN_RF</b>	<b>0x3</b>
	<b>VDD_RFFI_VIO_1V8</b>
	<b>SKY13702-17</b>
<b>LBLN_RF</b>	<b>0x2</b>
	<b>VDD_RFFE_VIO_1V8</b>
<b>TUNFX_RF</b>	<b>Flex</b>
	<b>PP1V8_SDRAM</b>

Necessary test points to read RFFE

- **SLCK**
- **SDATA**
- **GND**
- **VDD\_RFFE\_VIO\_1V8**



**R6503\_RF**  
**VDD\_RFFE\_VIO\_1V8**  
**R6505\_RF**  
**SCLK**  
**R6504\_RF**  
**SDATA**



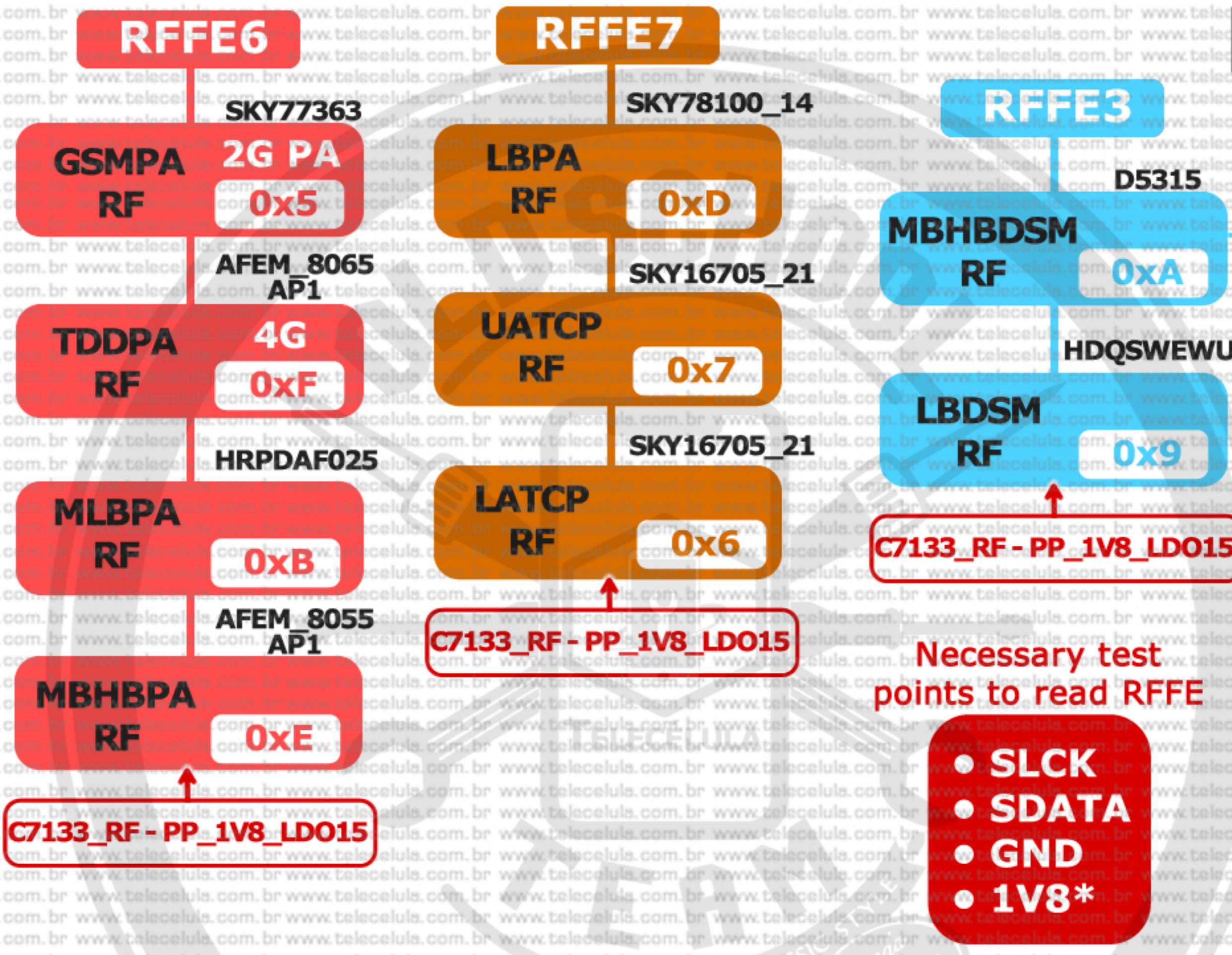
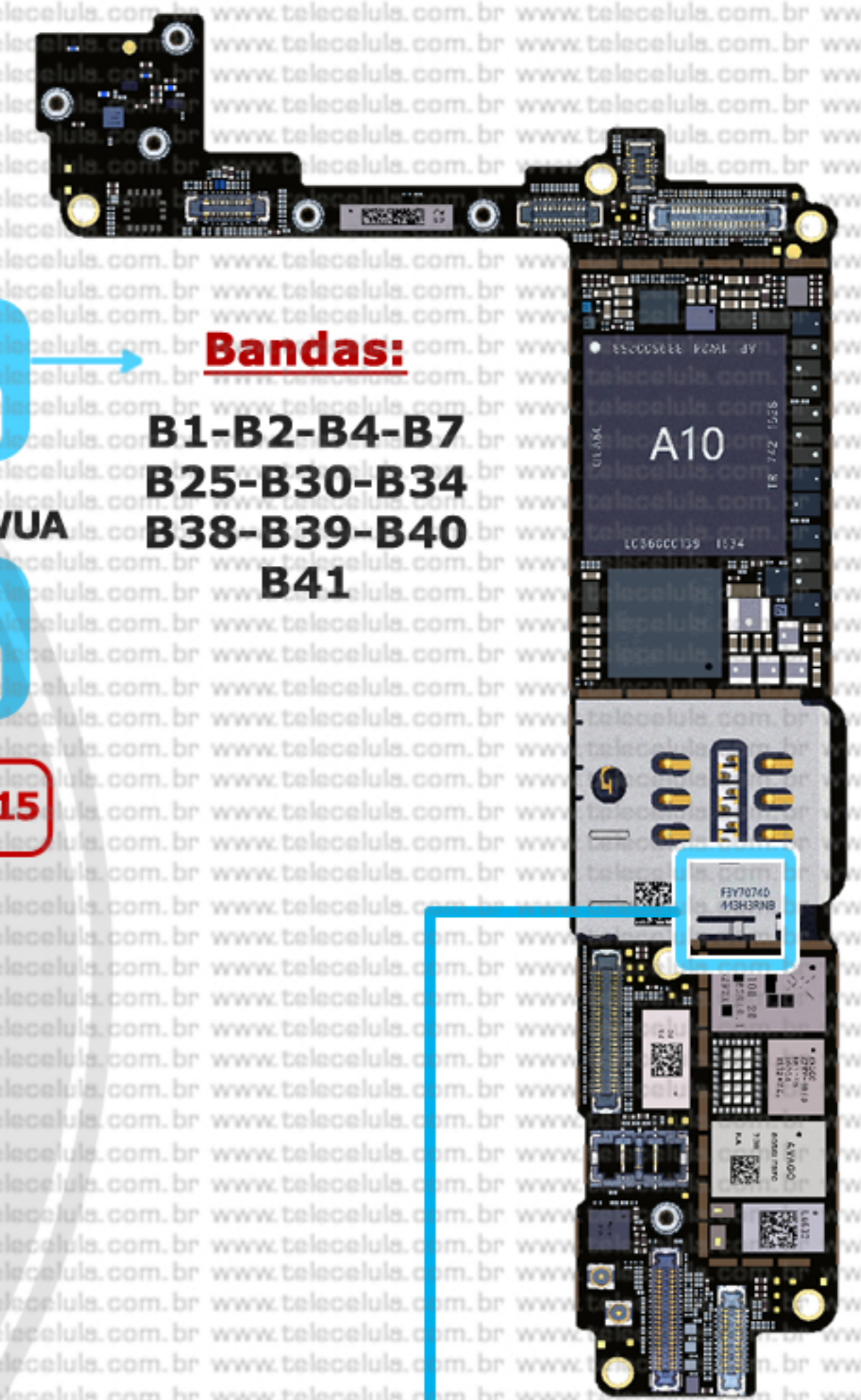
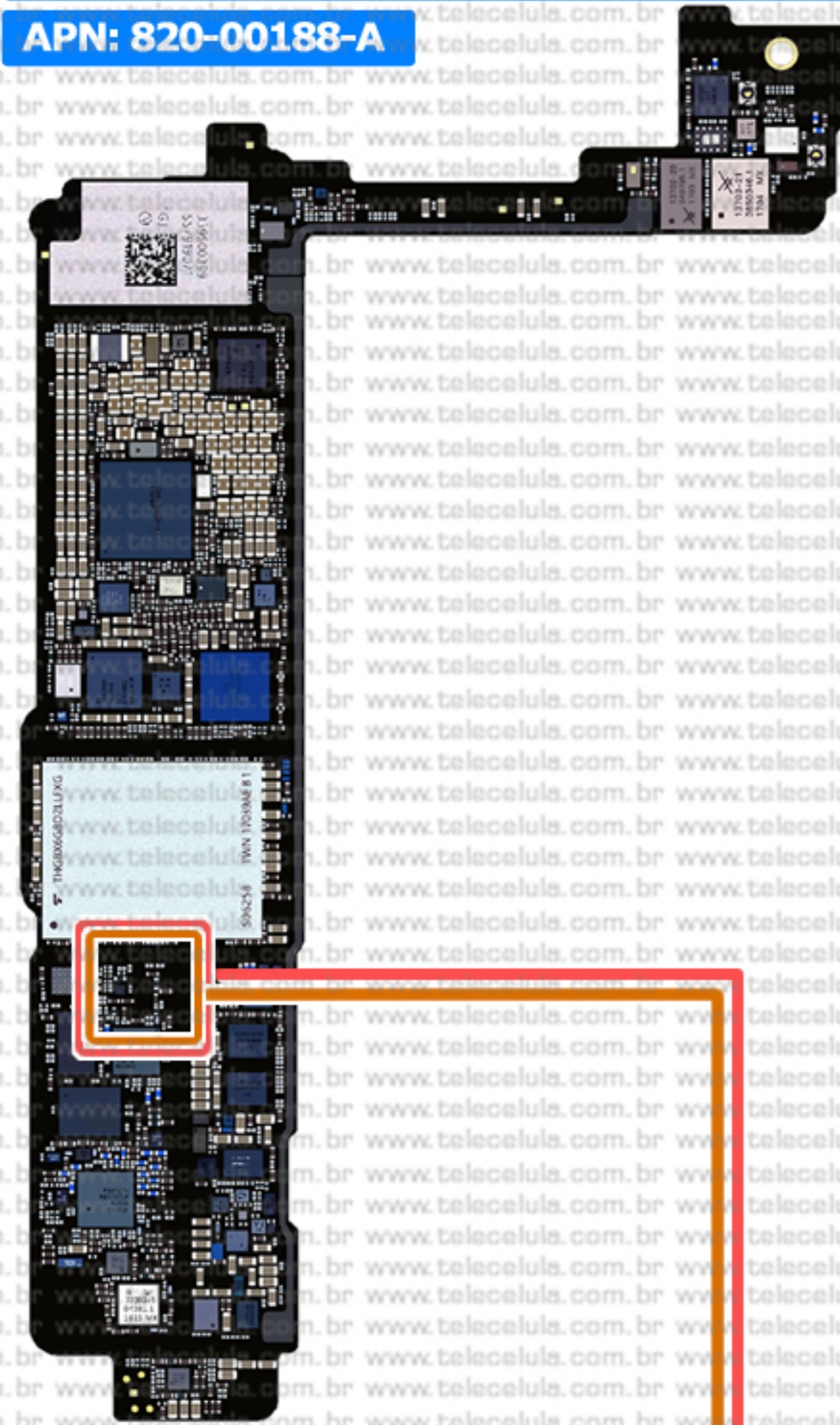
**R6600\_RF**  
**SCLK**  
**R6601\_RF**  
**SDATA**  
**TP0414**  
**AP\_FOR**  
**TP7305\_RF**  
**C\_TEST\_LO**  
**TP0423**  
**U\_AMUX**  
**TP7305\_RF**  
**C\_TEST\_LO**



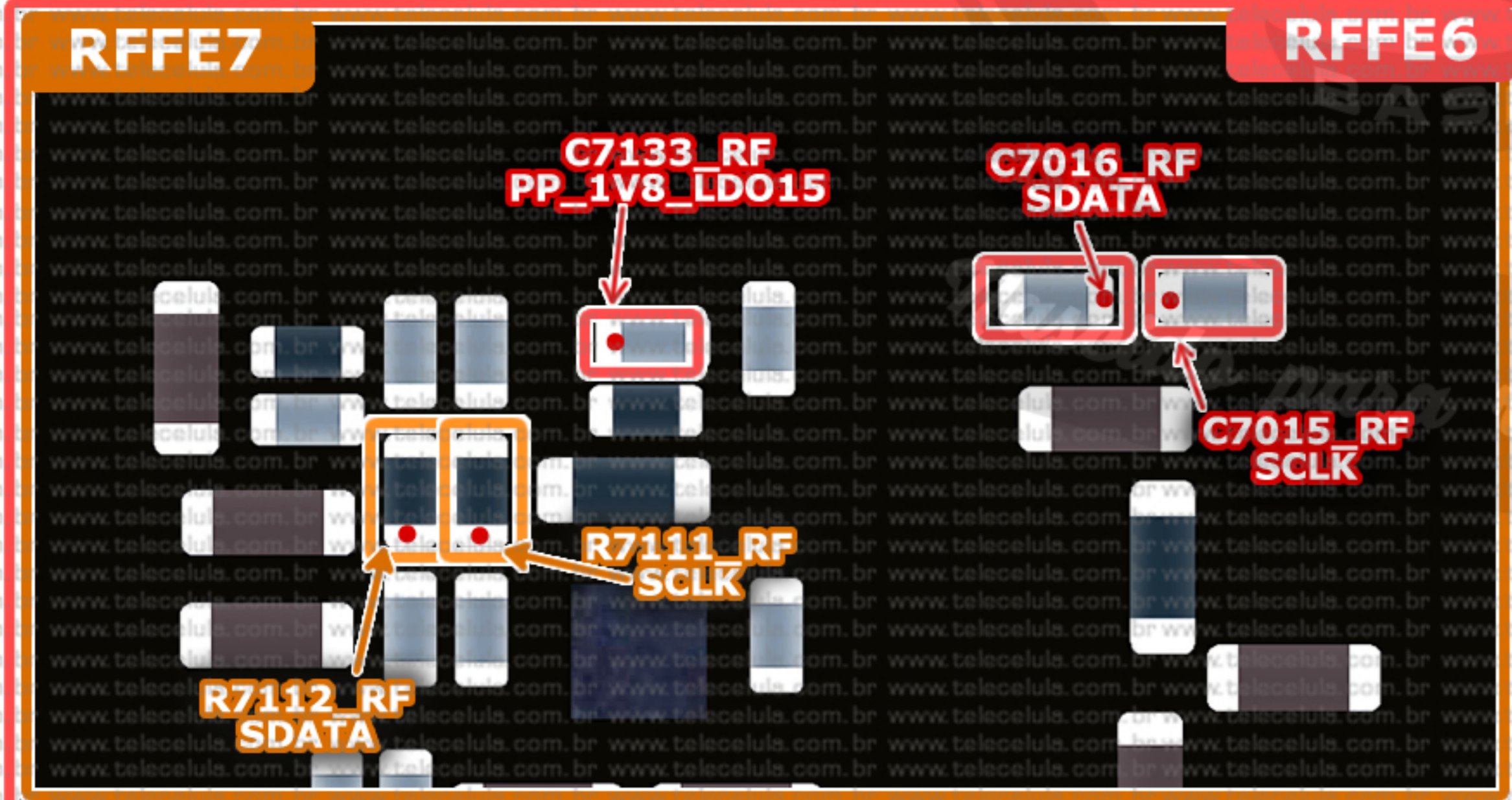
# RFFE <-> (BB\_RF)

## IPHONE 7 QUALCOMM

APN: 820-00188-A

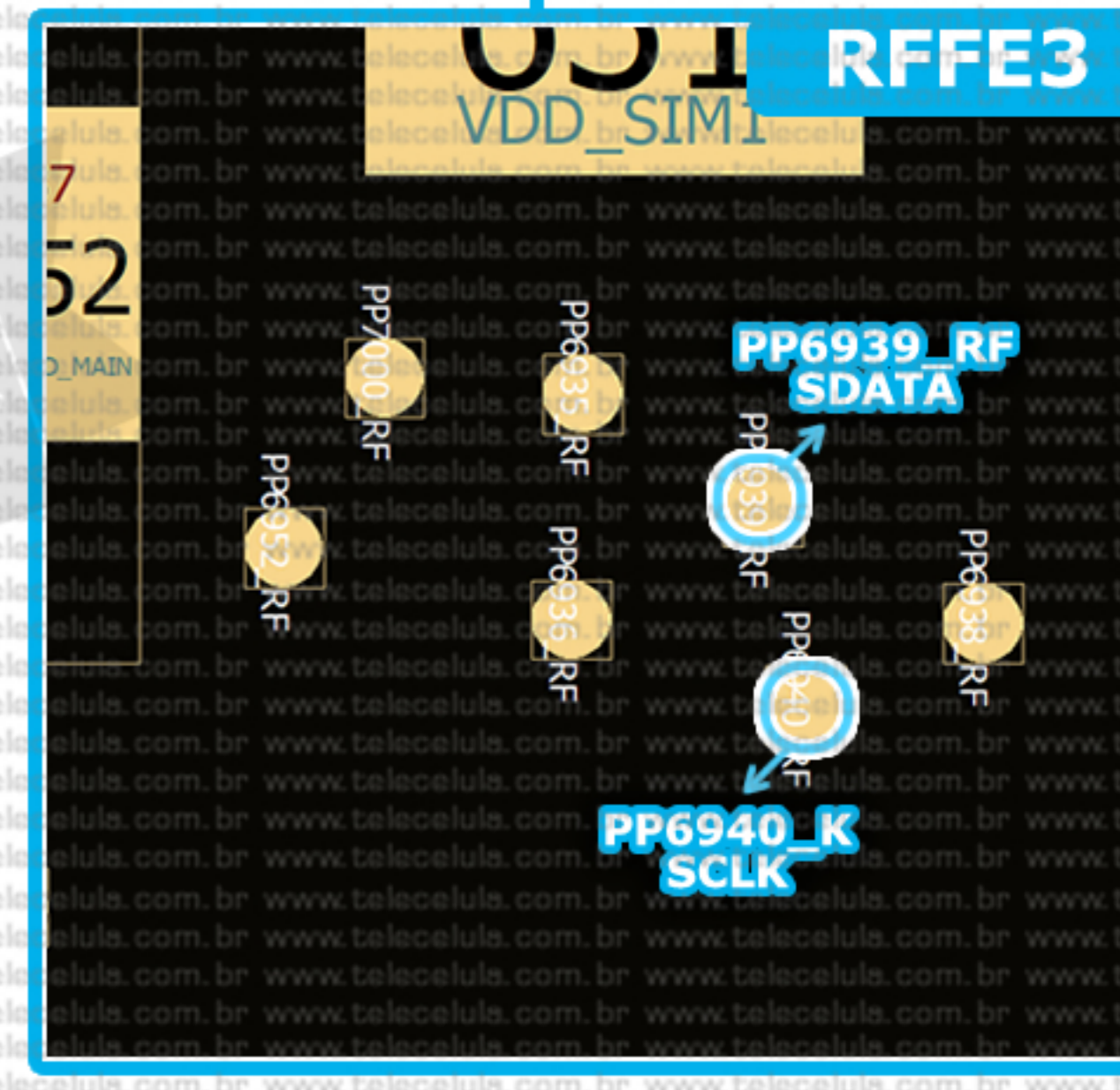


**Bandas:**  
B1-B2-B4-B7  
B25-B30-B34  
B38-B39-B40  
B41



### RFFE TABLE

RFFE1:	WTR 3925
RFFE2:	QFE 3100
RFFE3:	DIU MODULES
RFFE4:	WTR 4905
RFFE5:	TUNERS + ELNAS
RFFE6:	2GPA, MLB PA, MB/HB TDD PA, MB/HB FDD PA
RFFE7:	LB PA, COUPLERS





# RFFE - (XCVR0\_K)

# (XCVR1\_K)

## IPHONE 8 INTEL

APN: 820-00872-A

### RFFE1

SKY77367

GSM PA\_K 2G PA  
0x5

MB\_HB\_TDD  
S\_PAD

TDD PA\_K 4G  
0xF

QM 81004M

ET\_K 0xC

AFEM\_8056  
AP1

FL600\_K  
PP1V8\_S2

MBHB PA\_K  
0xE

QM 76041

LB PA\_K 0xD

SKY16708\_11

UAT CP\_K 0x7

SKY16708\_11

LAT CP\_K 0x6

DRX\_DS M

0x9 0xA

LB\_MB\_HB\_DRX\_A SM

QM18099

LAT TUNER

\* GPO 0x8

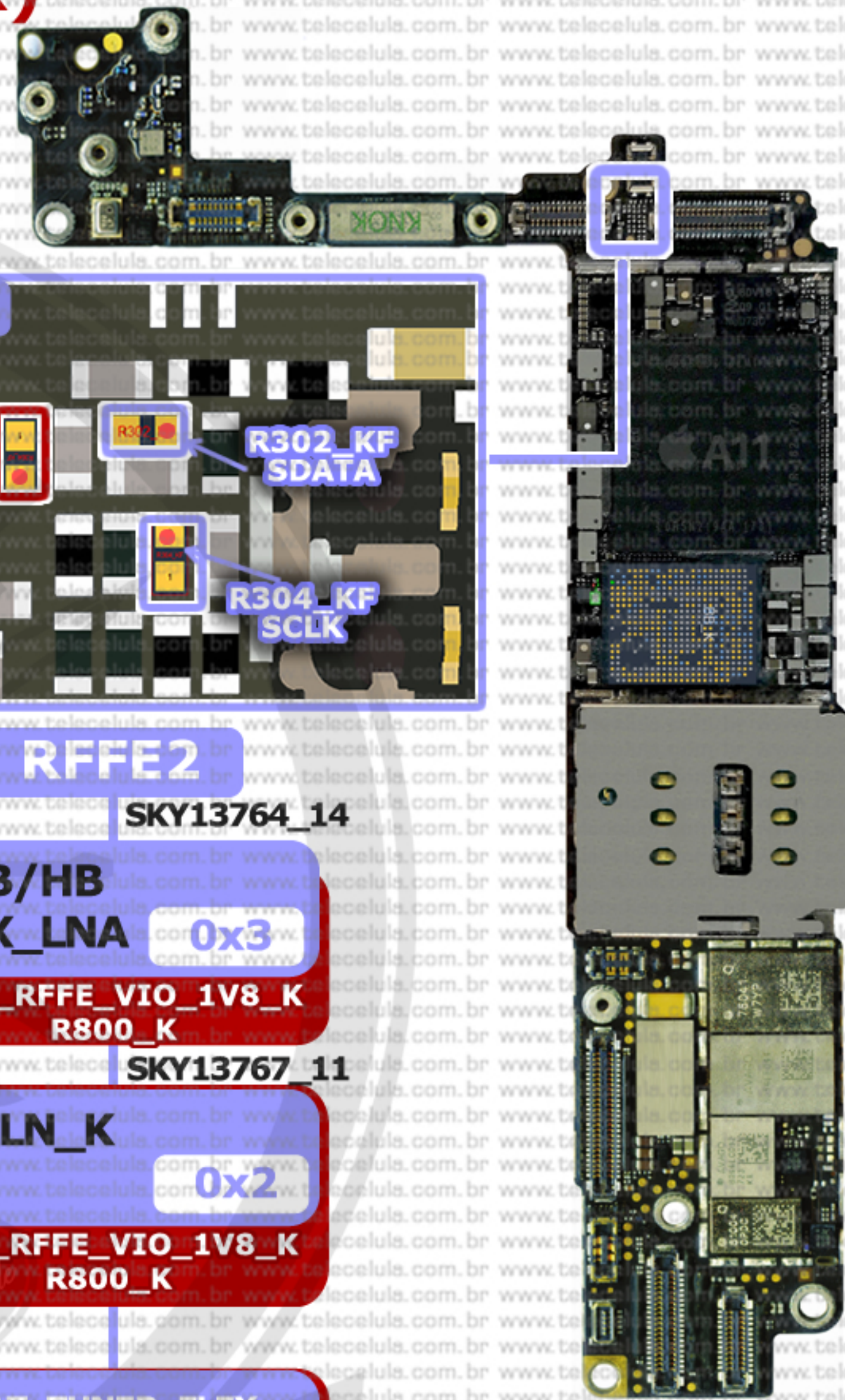
PP1V8\_S2 - FL600\_K

J6400

DOCK

FLEX

C801\_K / R800\_K  
R1200\_K  
VDD\_RFFE\_VIO\_1V8\_K



### RFFE2

FL301\_KF  
PP1V8\_S2

R302

R302\_KF  
SDATA

R304\_KF  
SCLK

### RFFE2

SKY13764\_14

MB/HB  
DRX\_LNA 0x3

VDD\_RFFE\_VIO\_1V8\_K  
R800\_K

SKY13767\_11

LBLN\_K

0x2

VDD\_RFFE\_VIO\_1V8\_K  
R800\_K

UAT\_TUNER\_FLEX  
TUNFX\_KF

\* PP1V8\_S2 - FL301\_K

QM18098

UAT TUNER GPO

\* 0x8

PP1V8\_S2 - FL301\_K



### RFFE1

R1200\_K  
1V8

R1201\_K  
SDATA

R1202\_K  
SCLK

Necessary test  
points to read RFFE

- SLCK
- SDATA
- GND
- 1V8\*



# RFFE - BB (MDM)

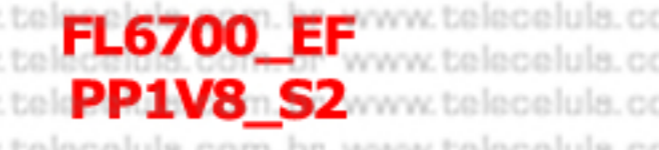
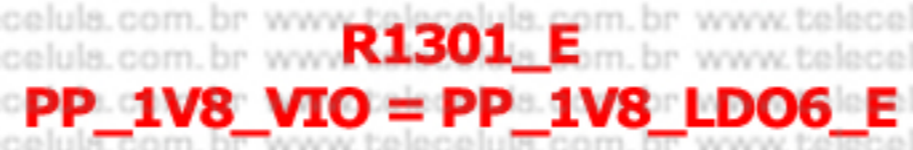
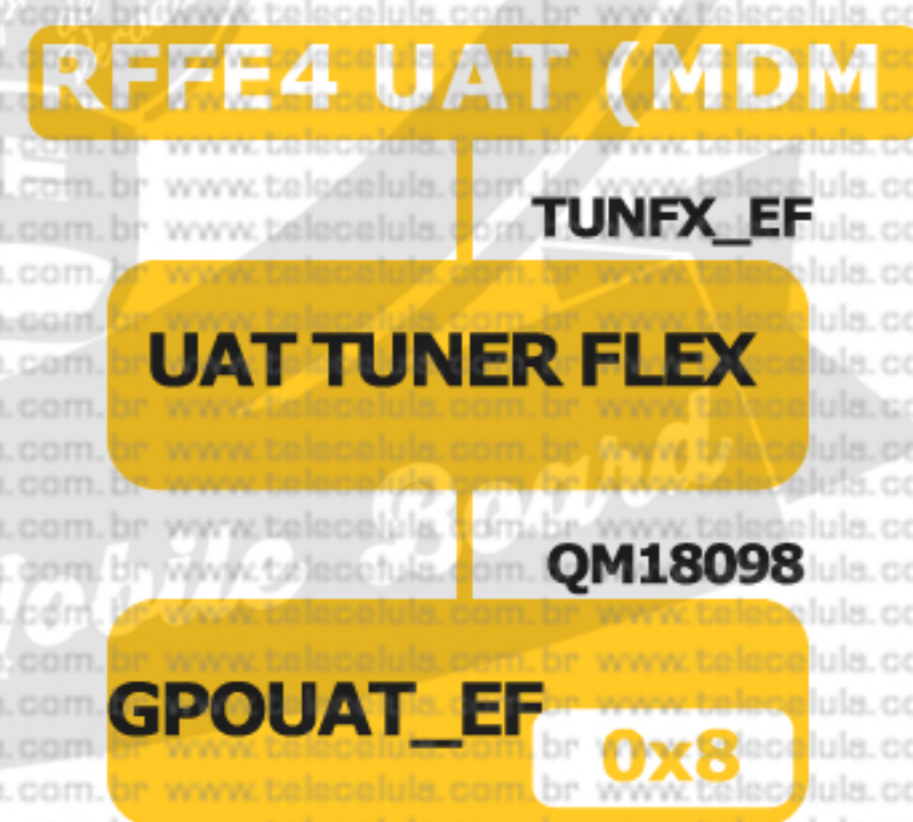
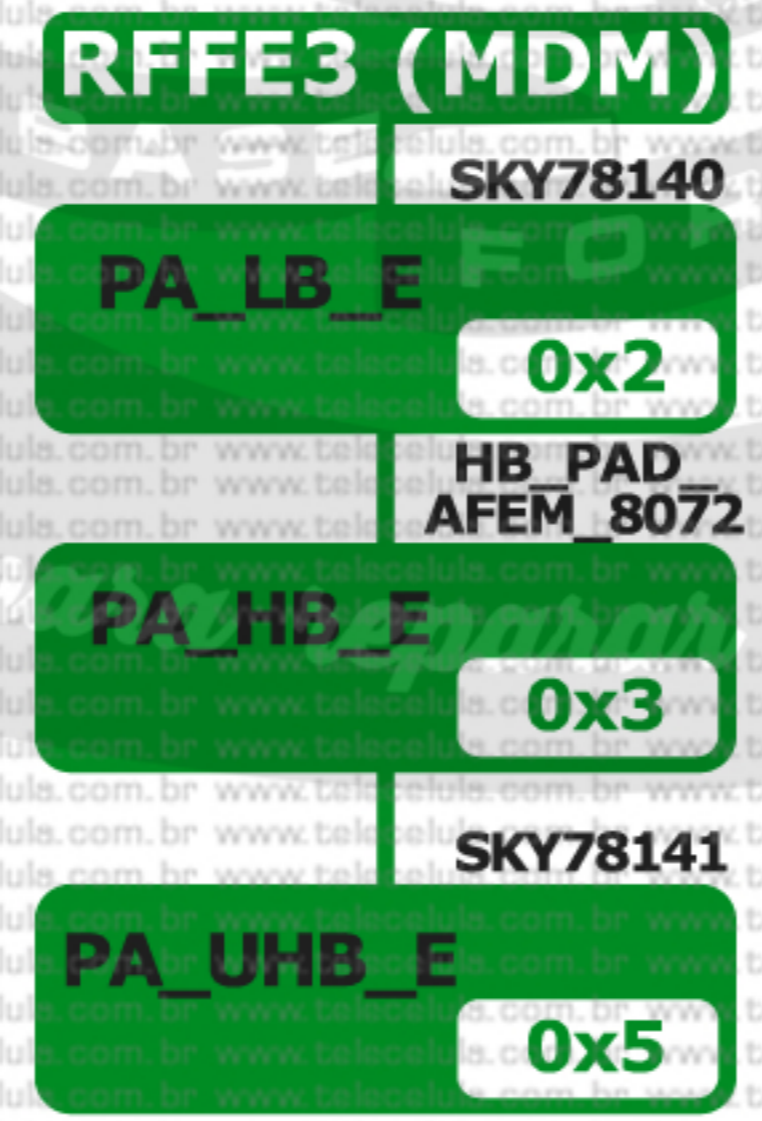
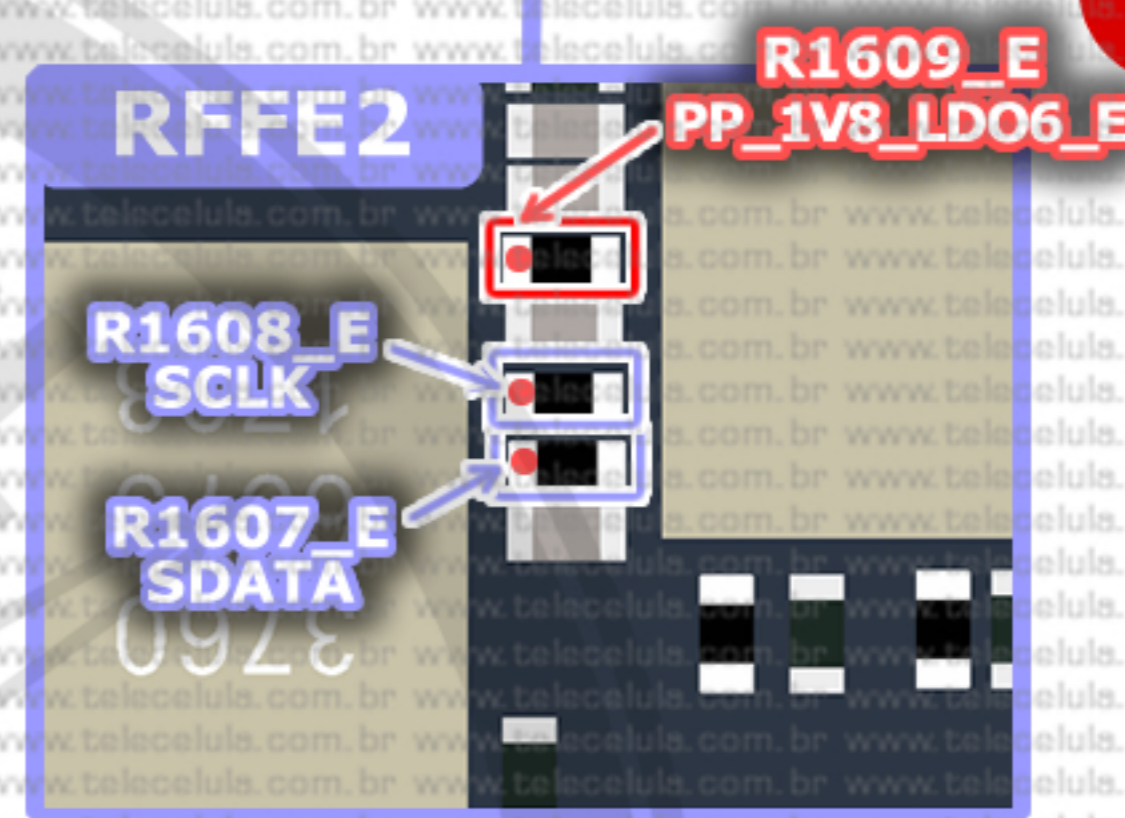
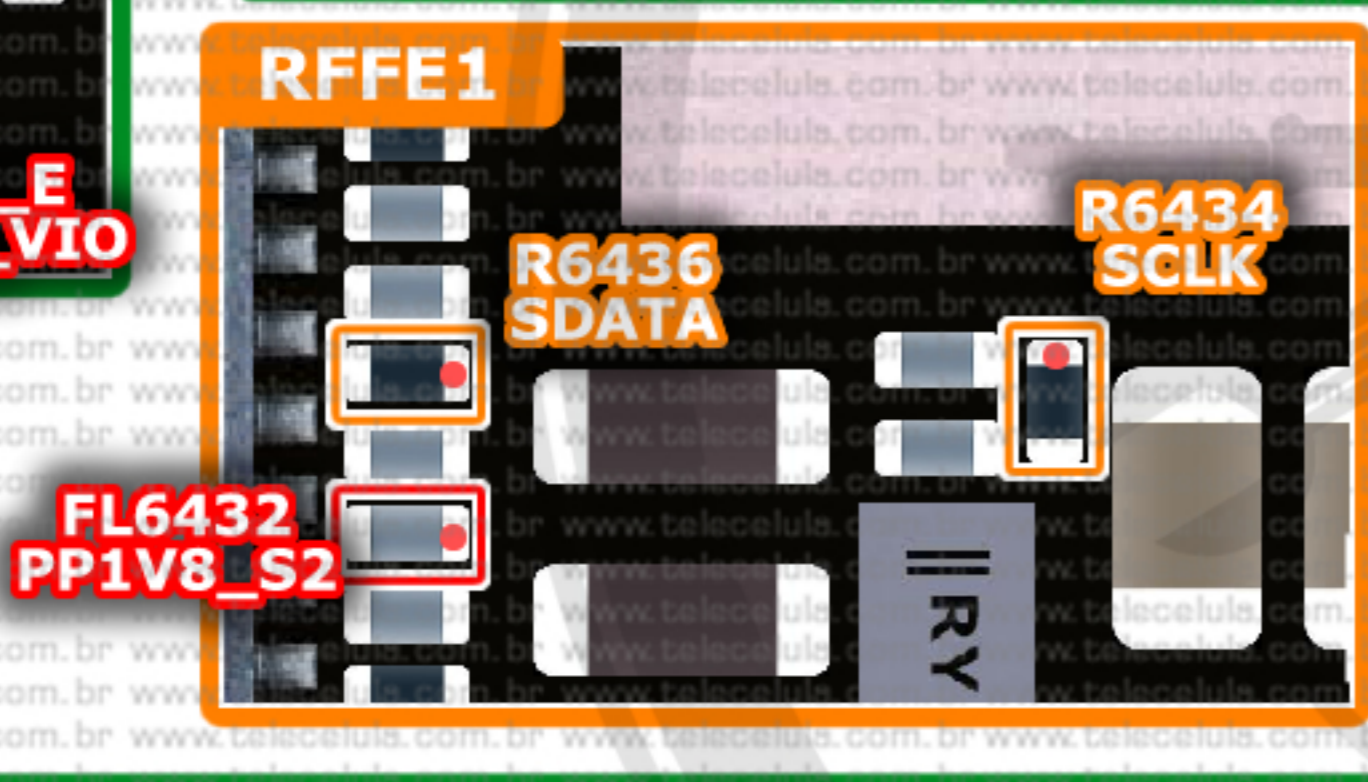
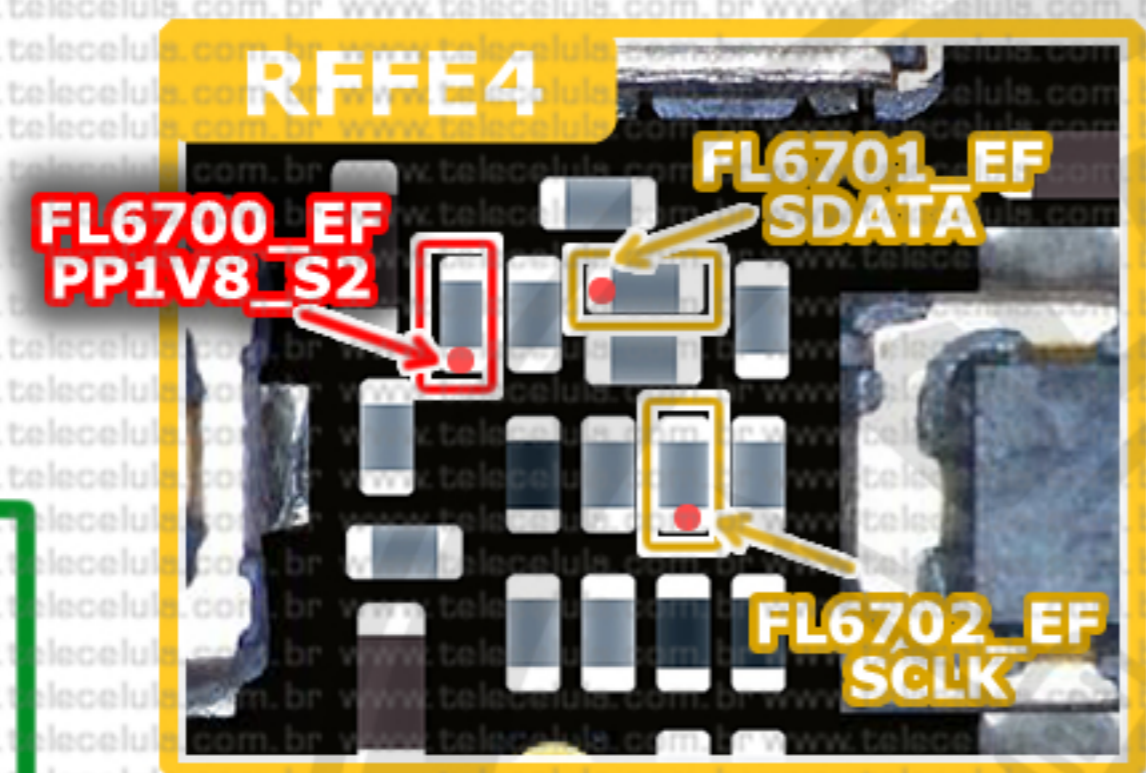
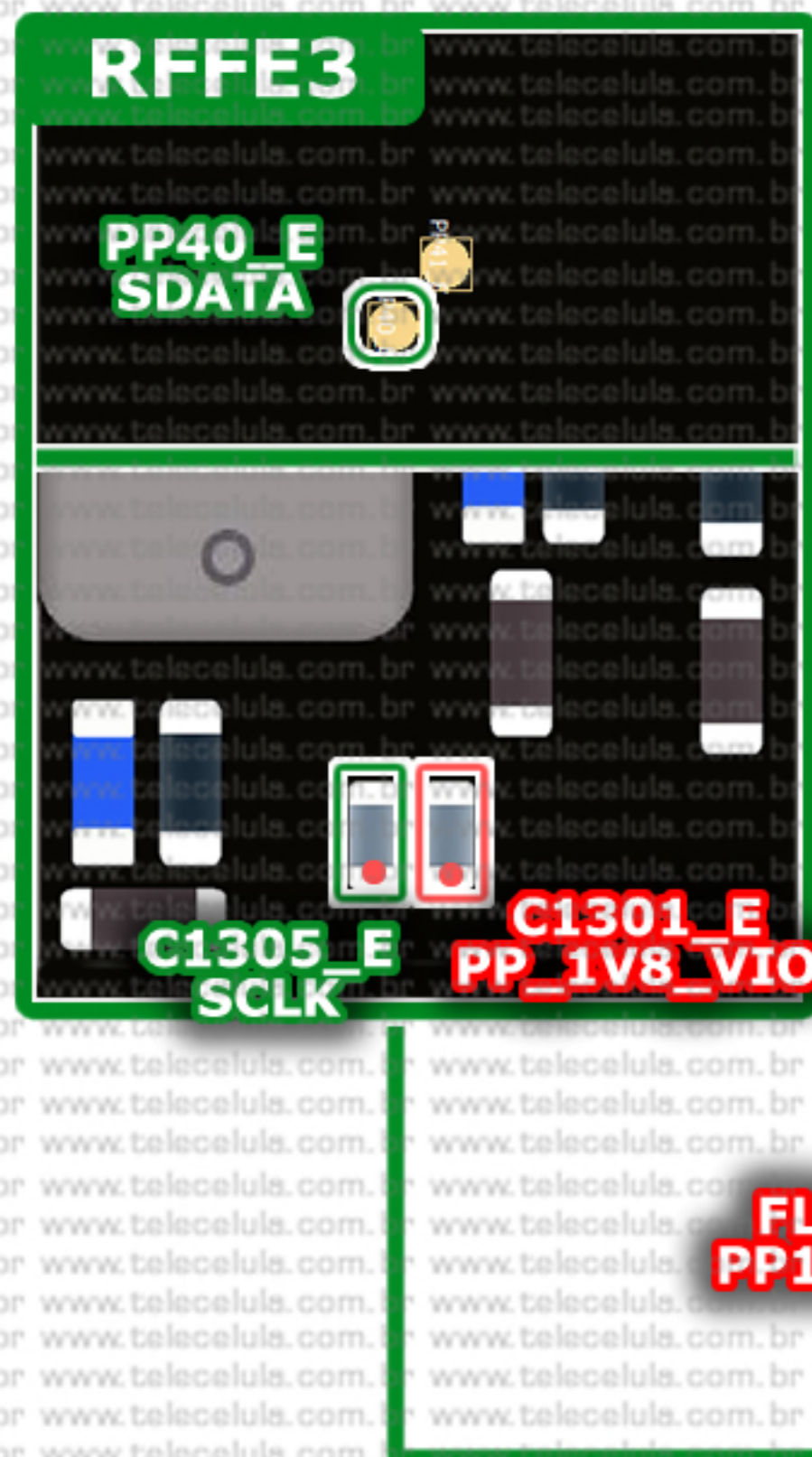
Necessary test points to read RFFE

## IPHONE 8 QUALCOMM

APN: 820-00871-A

TOP BOTTOM

- SLCK
- SDATA
- GND
- 1V8\*

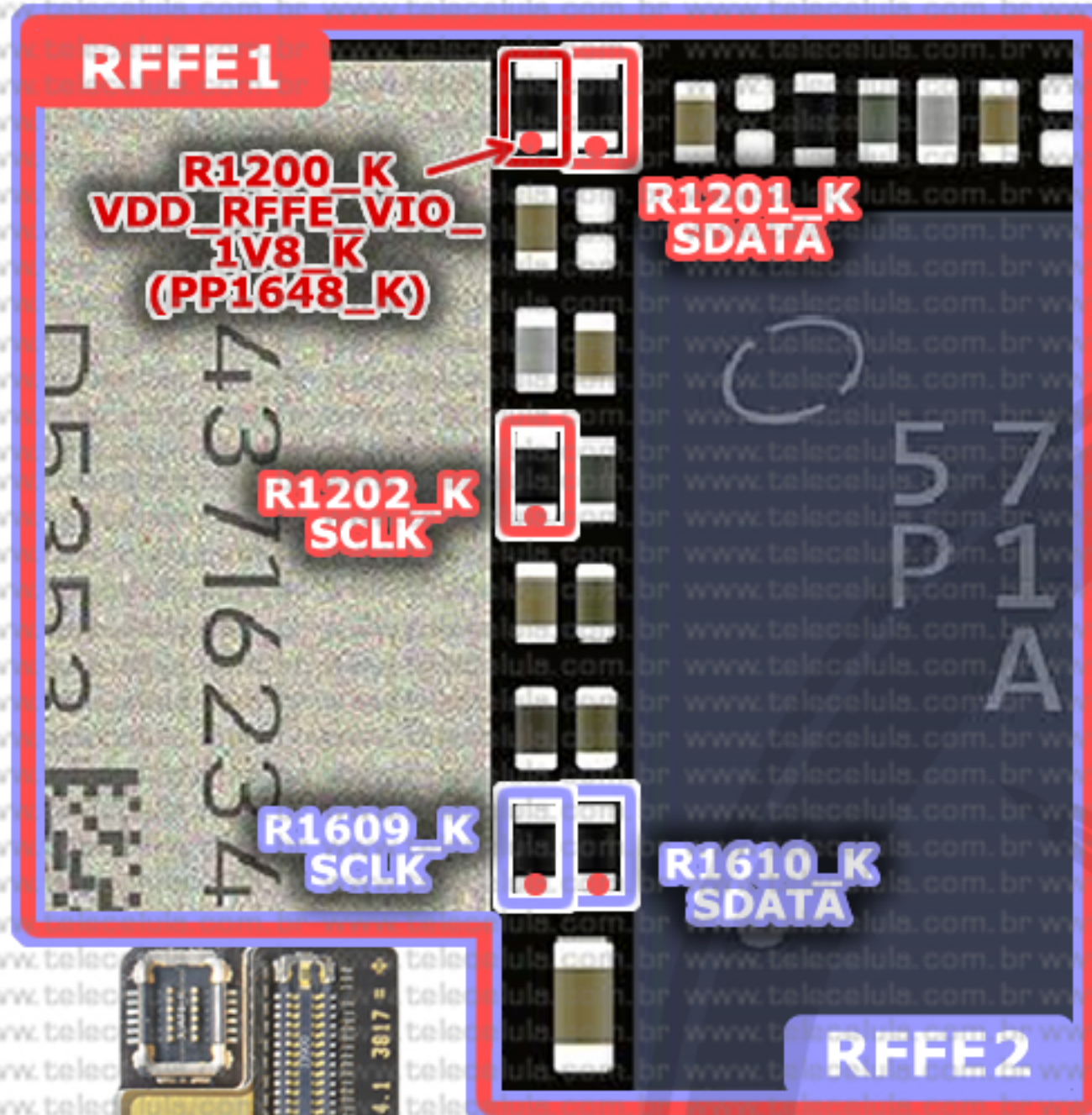




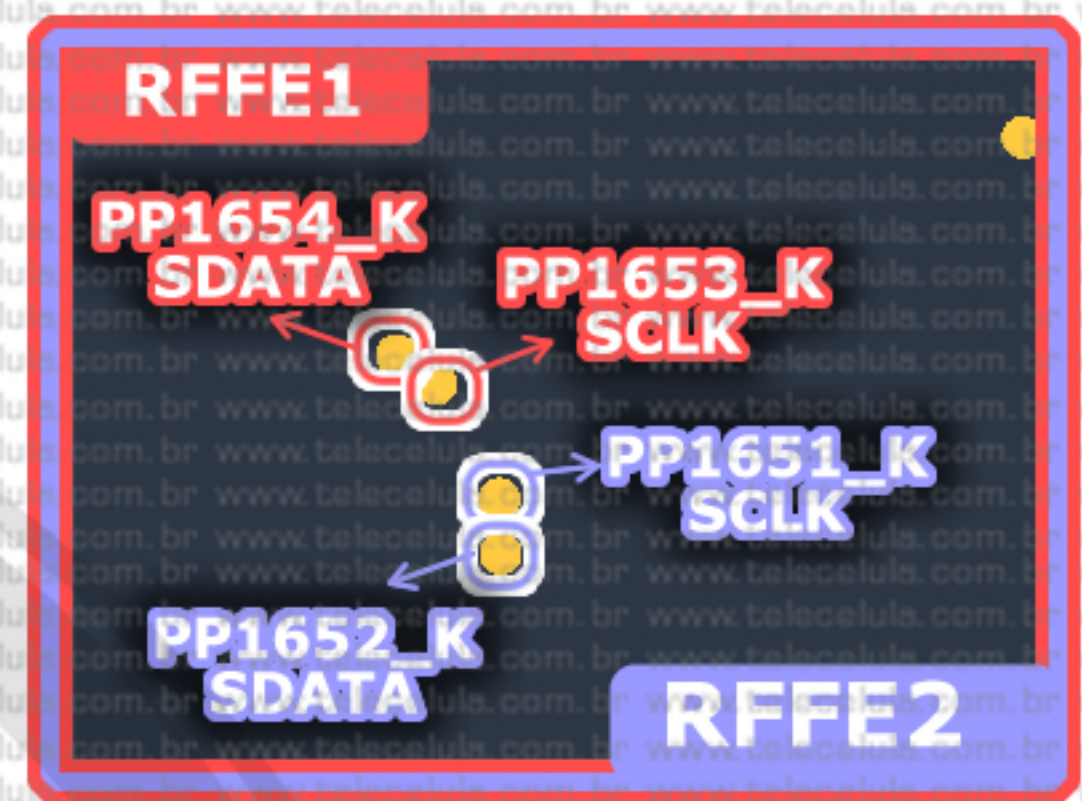
# IPHONE X INTEL

APN: 820-0863-12

## RFFE - (XCVR0\_K) (XCVR1\_K)



<b>RFFE1</b>	SKY77367
<b>GSM PA_K</b>	2G 0x5
<b>TDD PA_K</b>	4G 0xF
<b>ET_K</b>	QM81004M 0xC
<b>MB/HB PA_K</b>	AFEM_8056_AP1 0xE
<b>LB PA_K</b>	QM76041 0xD
<b>UAT CP_K</b>	SKY16708_11 0x7
<b>LAT CP_K</b>	SKY16708_11 0x6
<b>GPOLAT_K</b>	0x8
<b>DSM_K</b>	0x9
<b>DRX DSM</b>	0xA B30608_M5342_X969



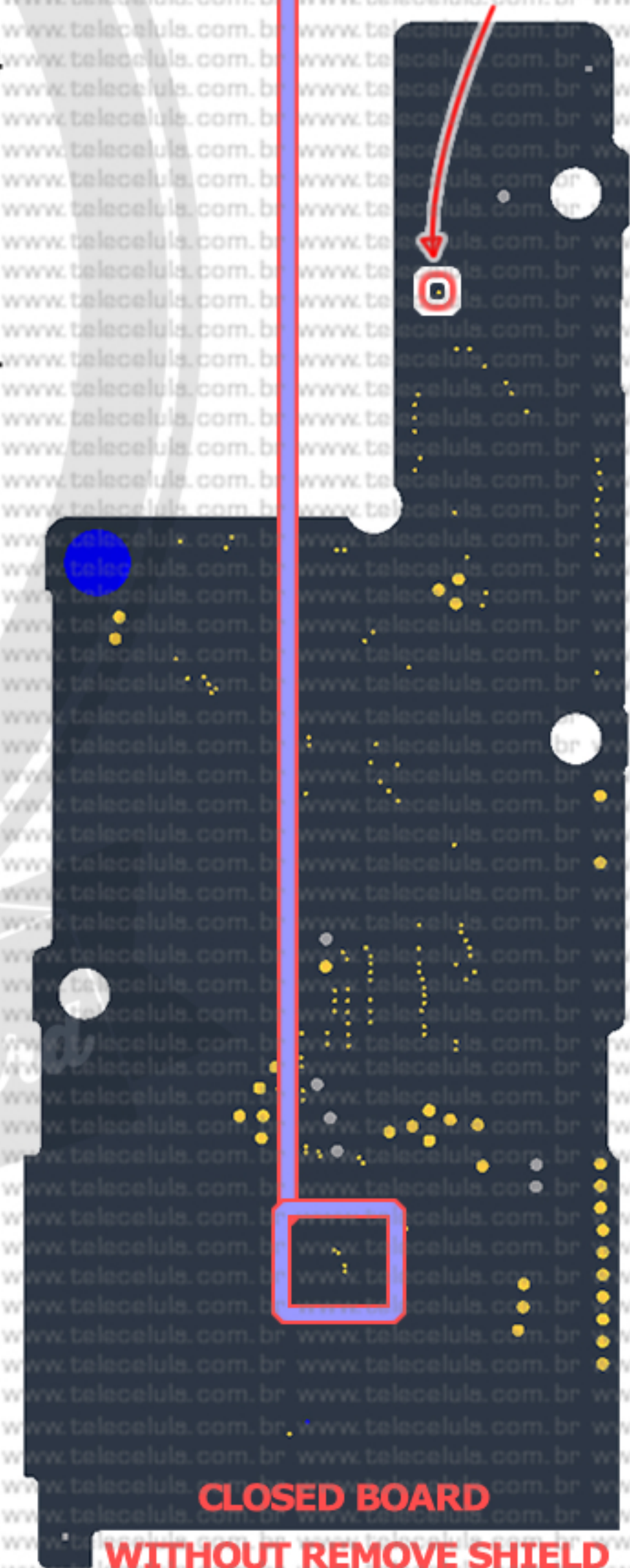
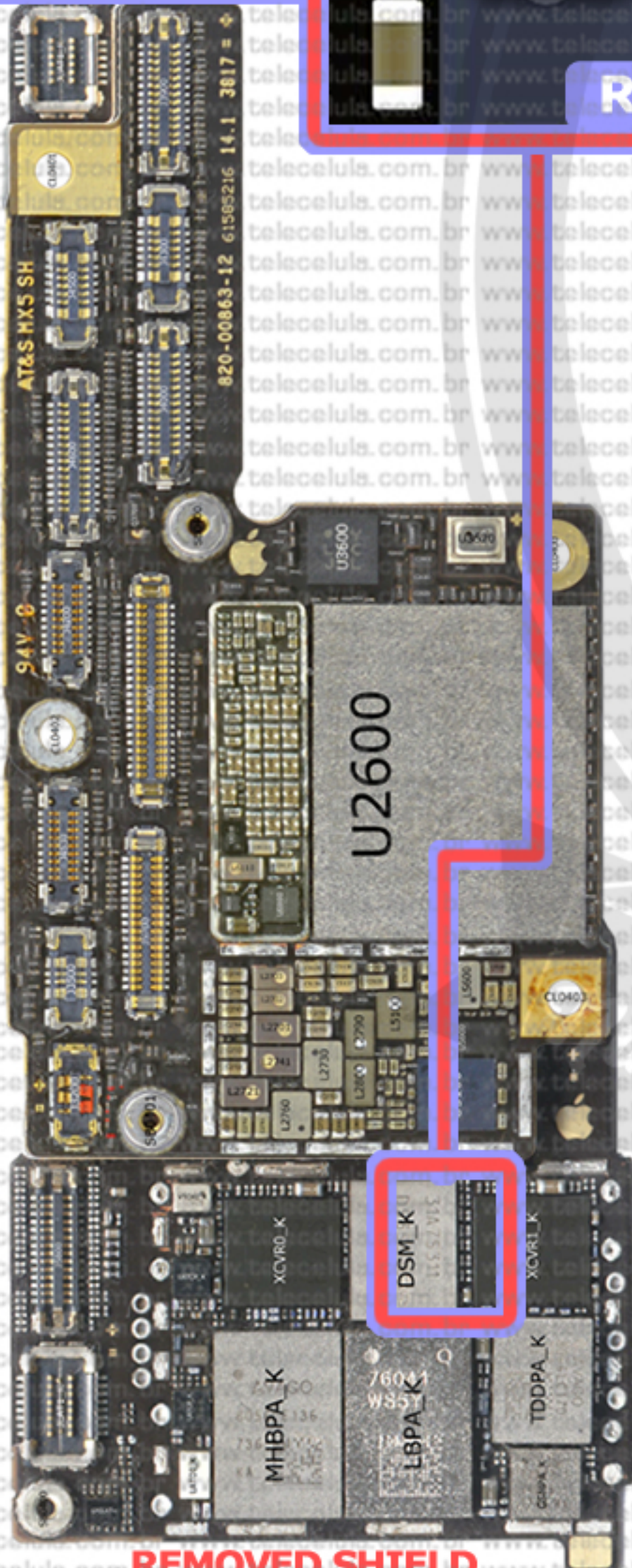
<b>RFFE2</b>	SKY13764_14
<b>MB/HB DRX LNA</b>	0x3 VDD_RFFE_VIO_1V8_K PP1648_K
<b>LB DRX LNA</b>	SKY13767_11 0x2 VDD_RFFE_VIO_1V8_K PP1648_K
<b>GPOUAT_K</b>	QM18098 0x8 UAT PP1V8_S2 - J_DEBUG_K PAD 9

Necessary test points to read RFFE

- SCLK
- SDATA
- GND
- 1V8\*

VDD\_RFFE\_VIO\_1V8\_K - PP1648\_K

PP1648\_K  
VDD\_RFFE\_VIO\_1V8\_K



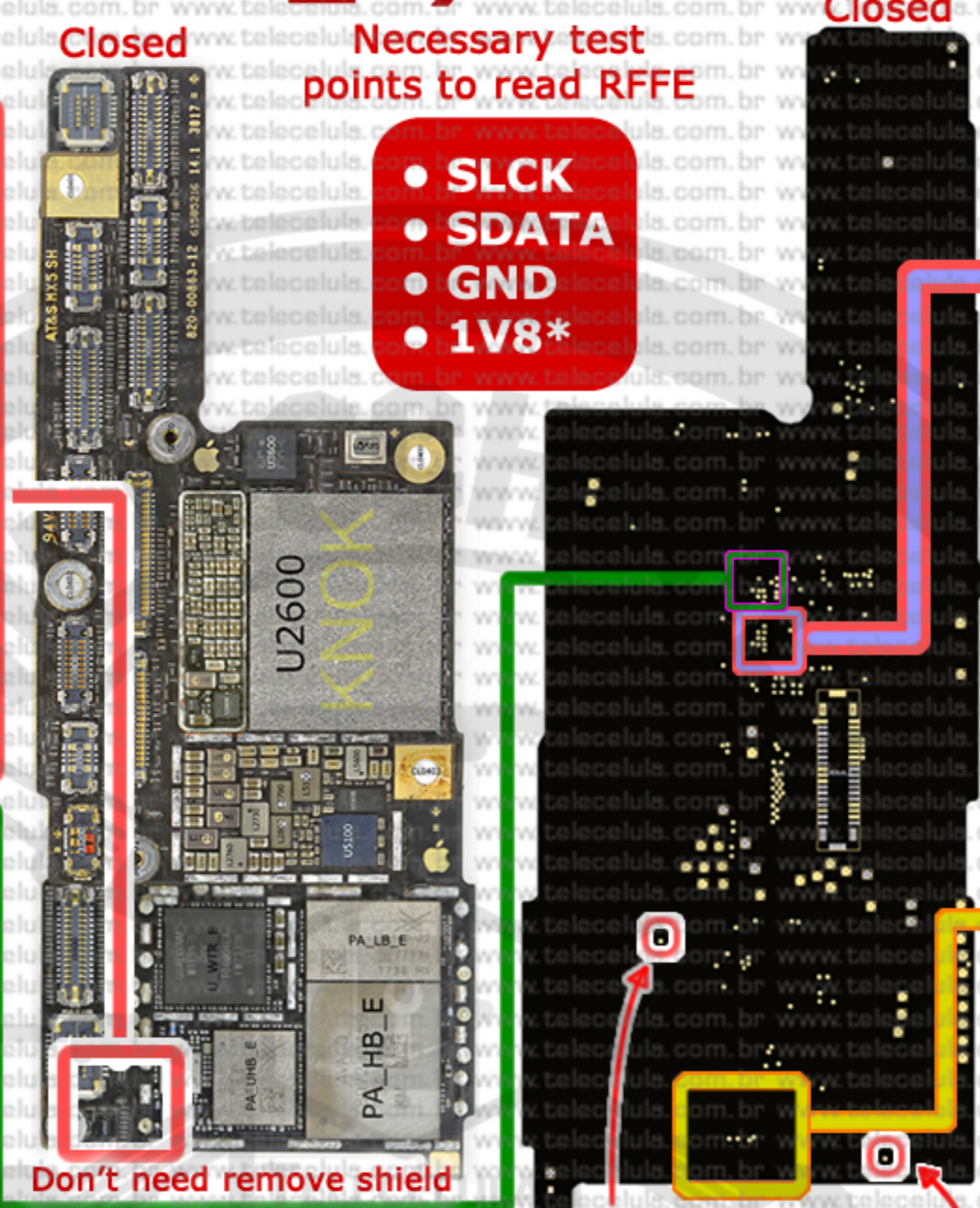
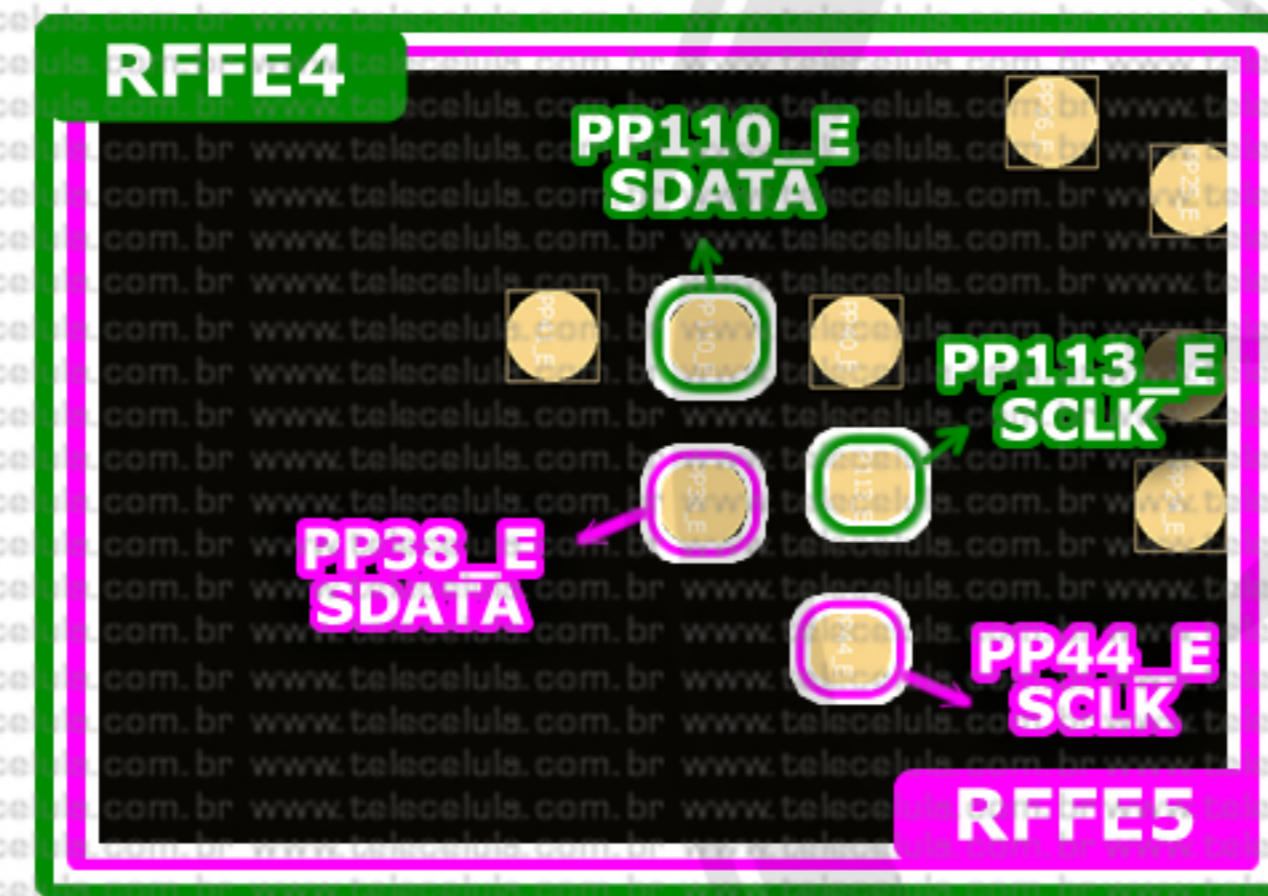
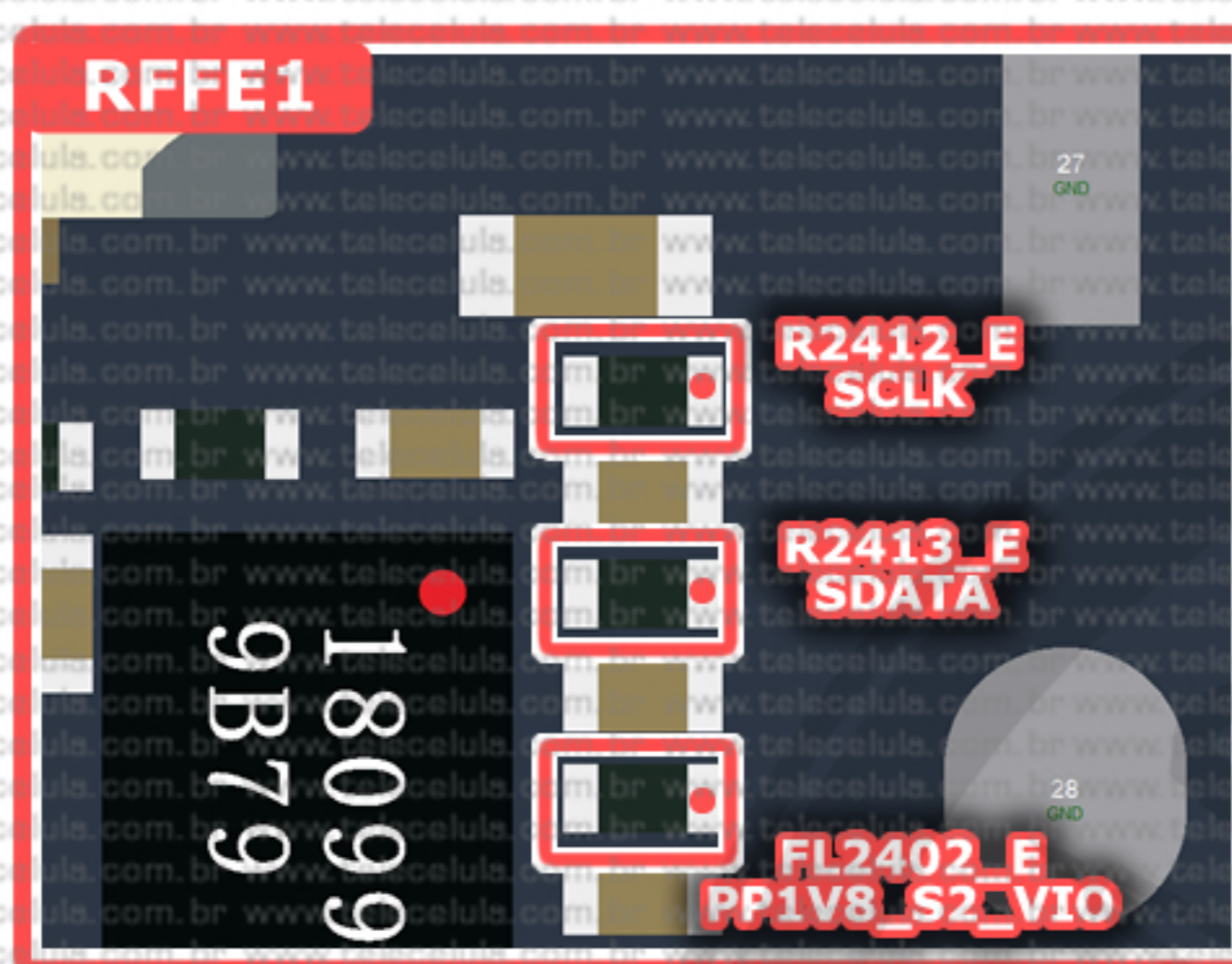


# IPHONE X QUALCOMM

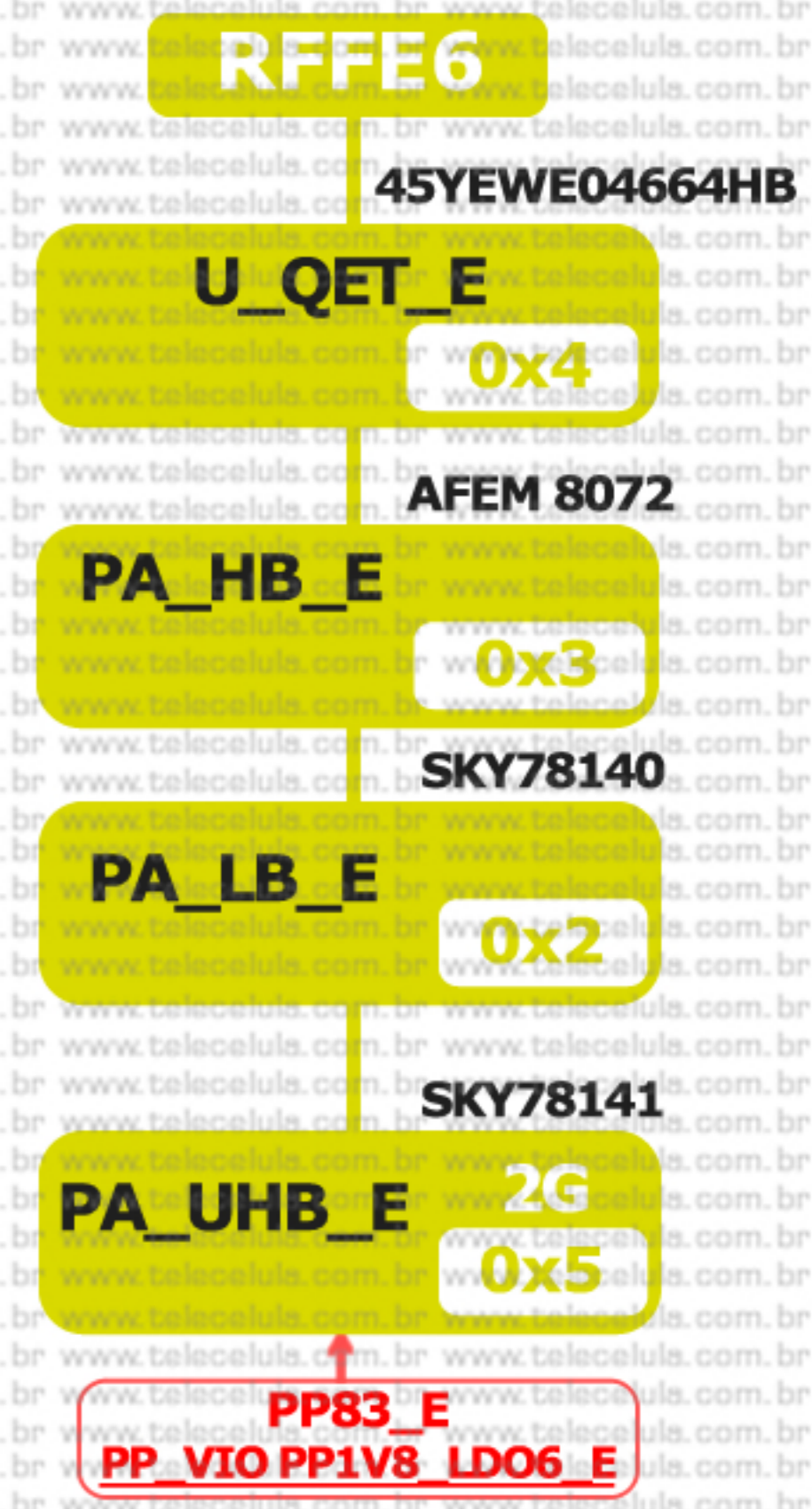
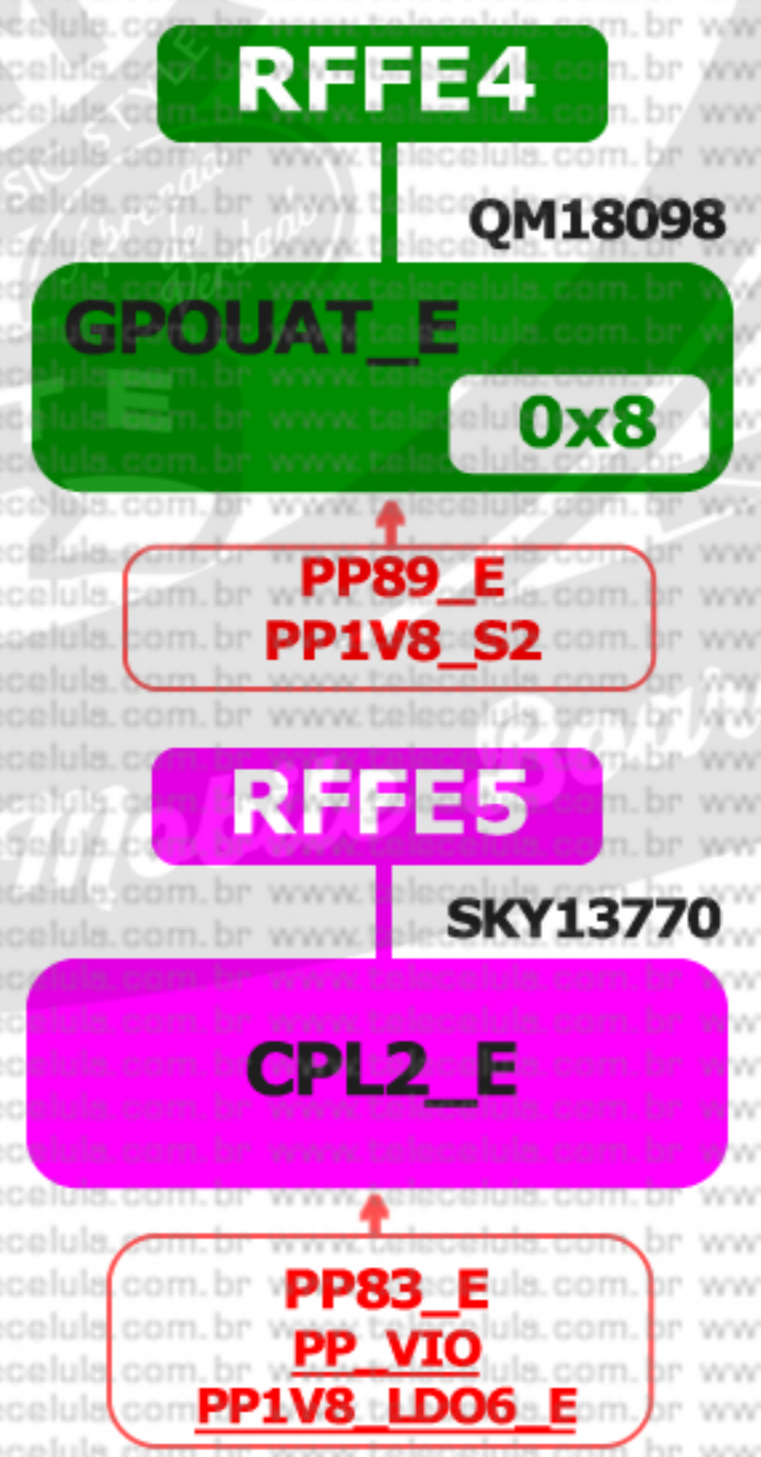
APN: 820-0864-A

# RFFE - (XCVRO\_K) - MDM (XCVR1\_K) - MDM

RFFE MAP	
<b>RFFE1:</b>	WTR, LATGPO, LATUNE
<b>RFFE2:</b>	HB DSM, LB DSM
<b>RFFE3:</b>	UHB, HB, LB PAD LNA
<b>RFFE4:</b>	UATGPO, UATUNE
<b>RFFE5:</b>	CPL
<b>RFFE6:</b>	QET, 2G PA/UHB, HB, LA PAD



- SLCK
- SDATA
- GND
- 1V8\*

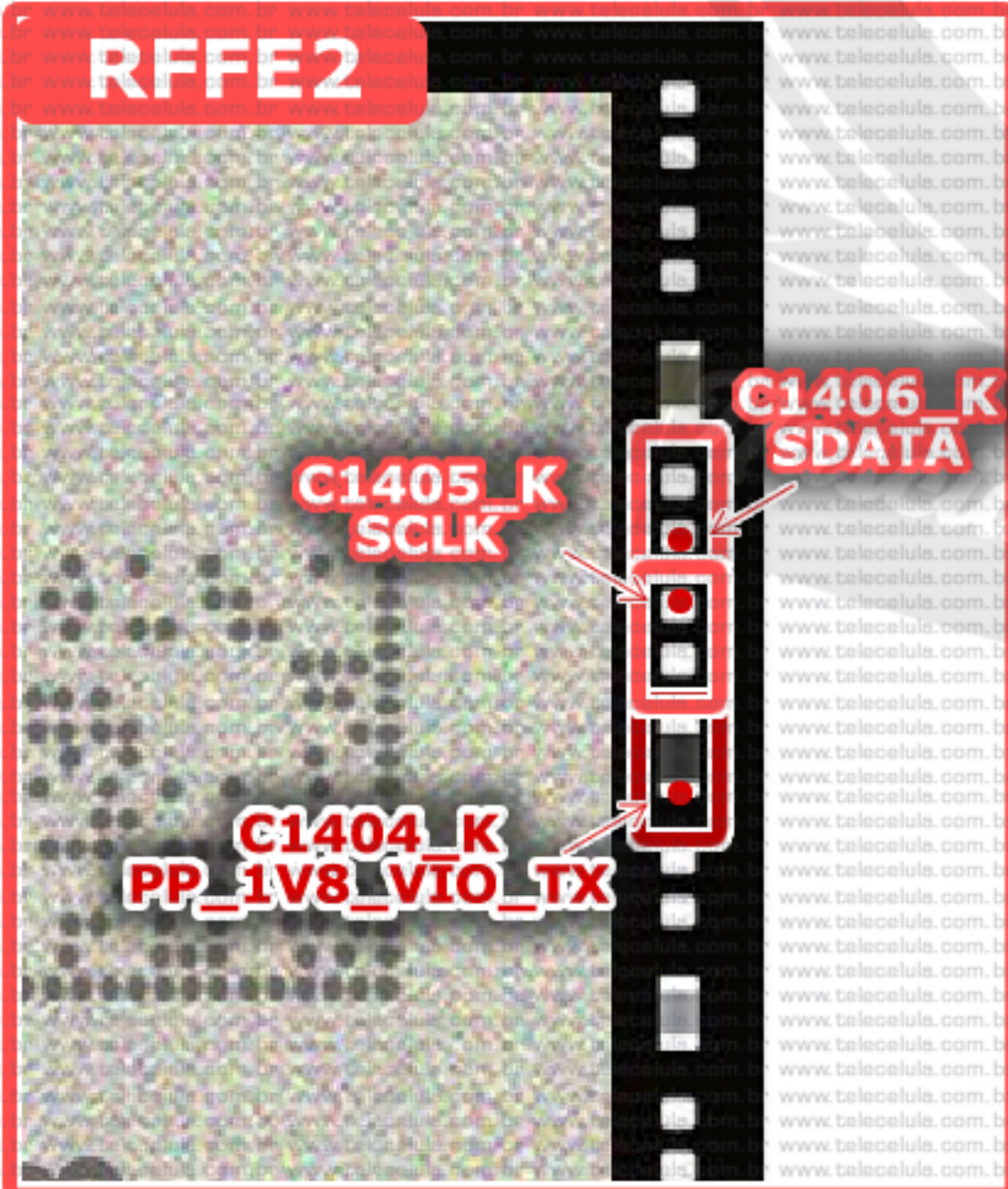
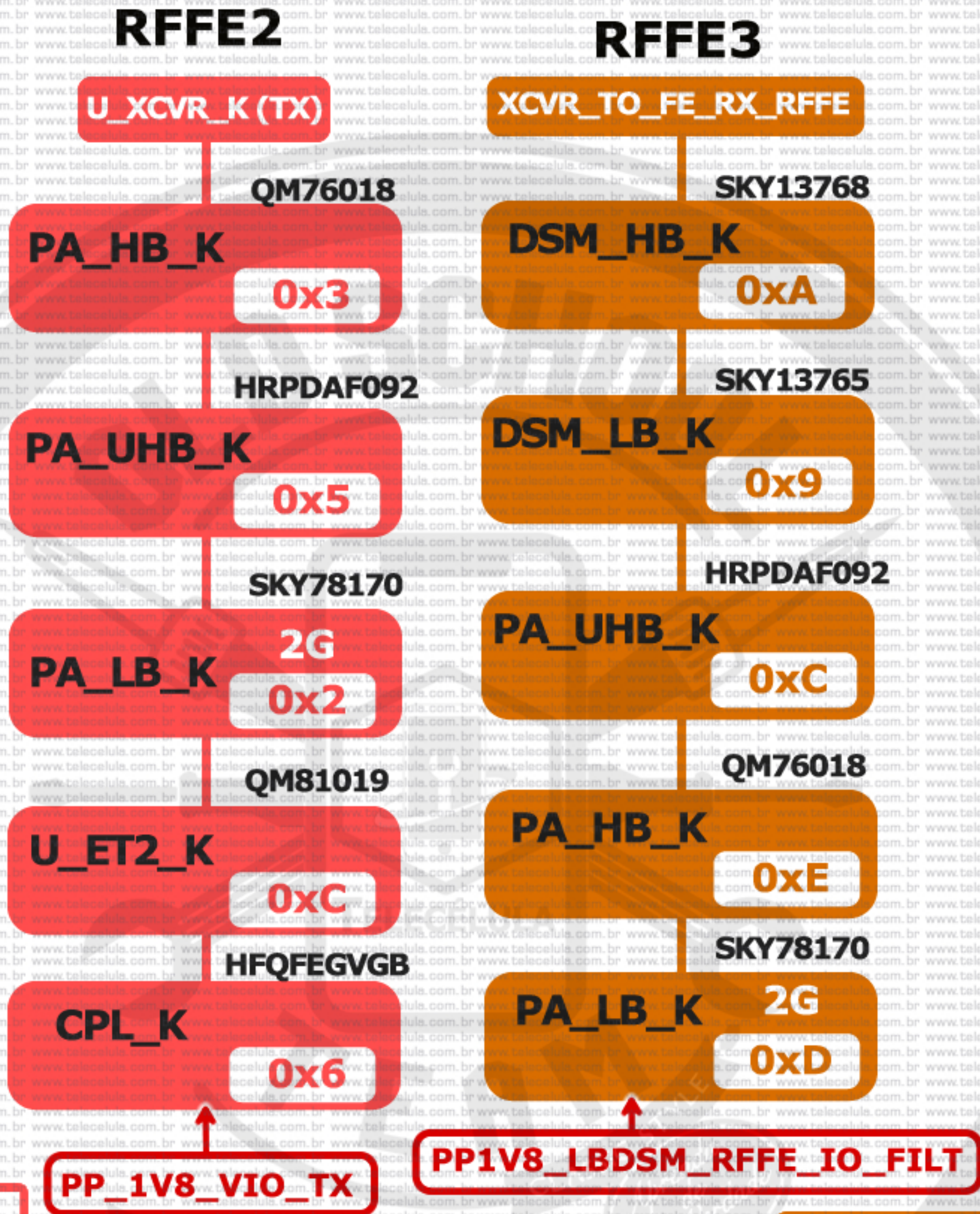
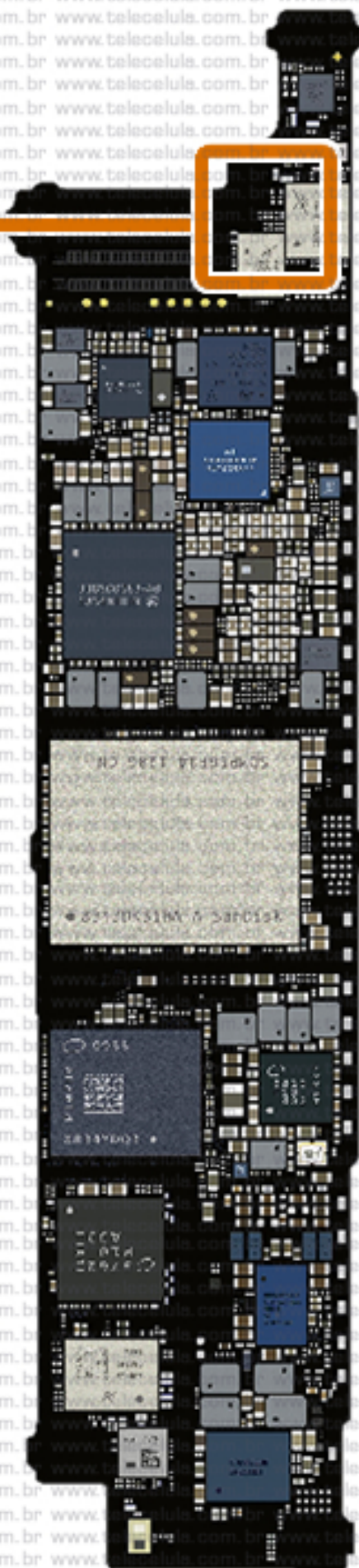




# RFFE - XCVR (U\_XCVR\_K)

## IPHONE XR

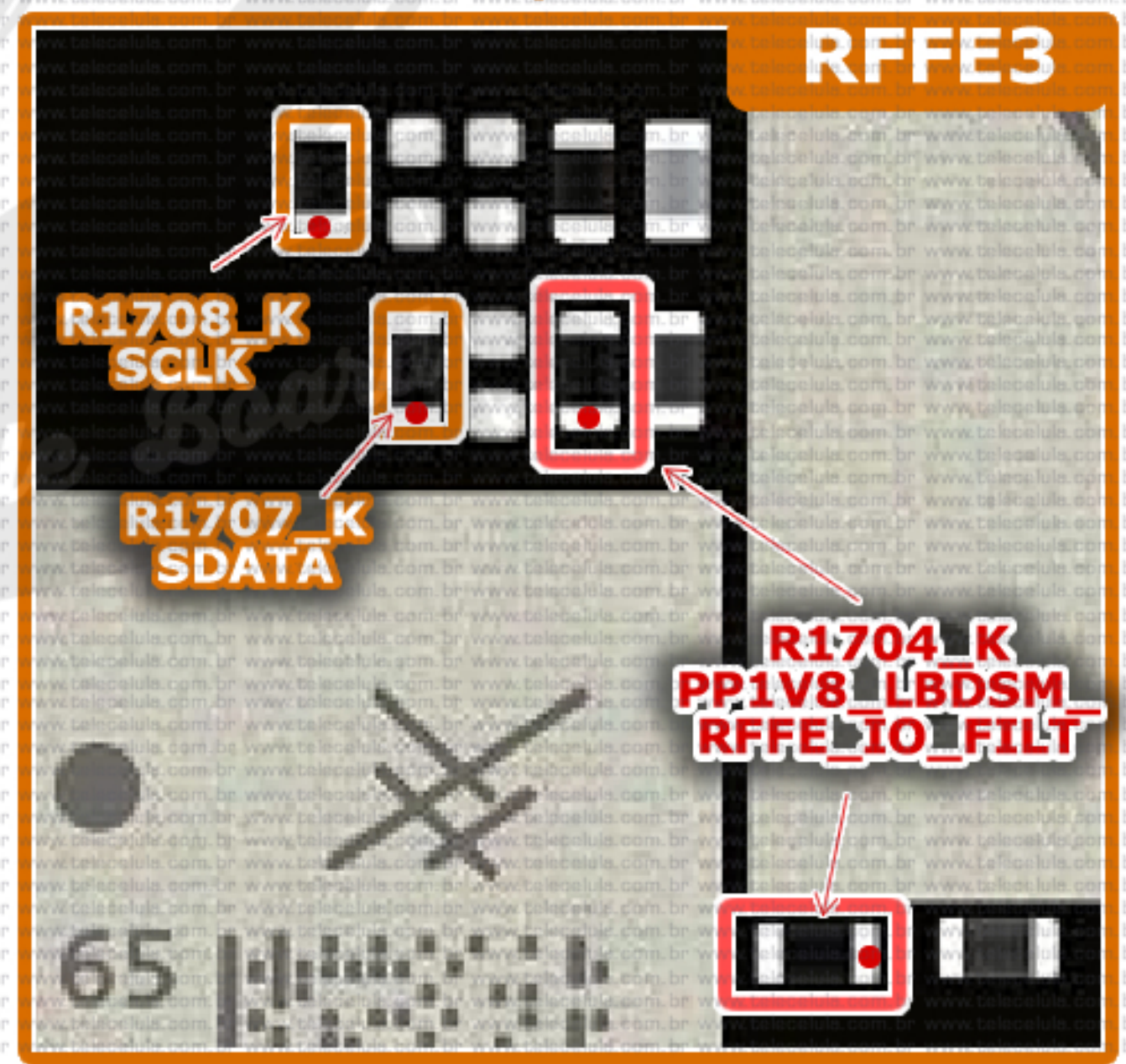
APN: 820-01209-A



Necessary test points to read RFFE

- SCLK
- SDATA
- GND
- 1V8\*

PP1V8\_LBDSM\_RFFE\_IO\_FILT = PP\_1V8\_VIO\_TX



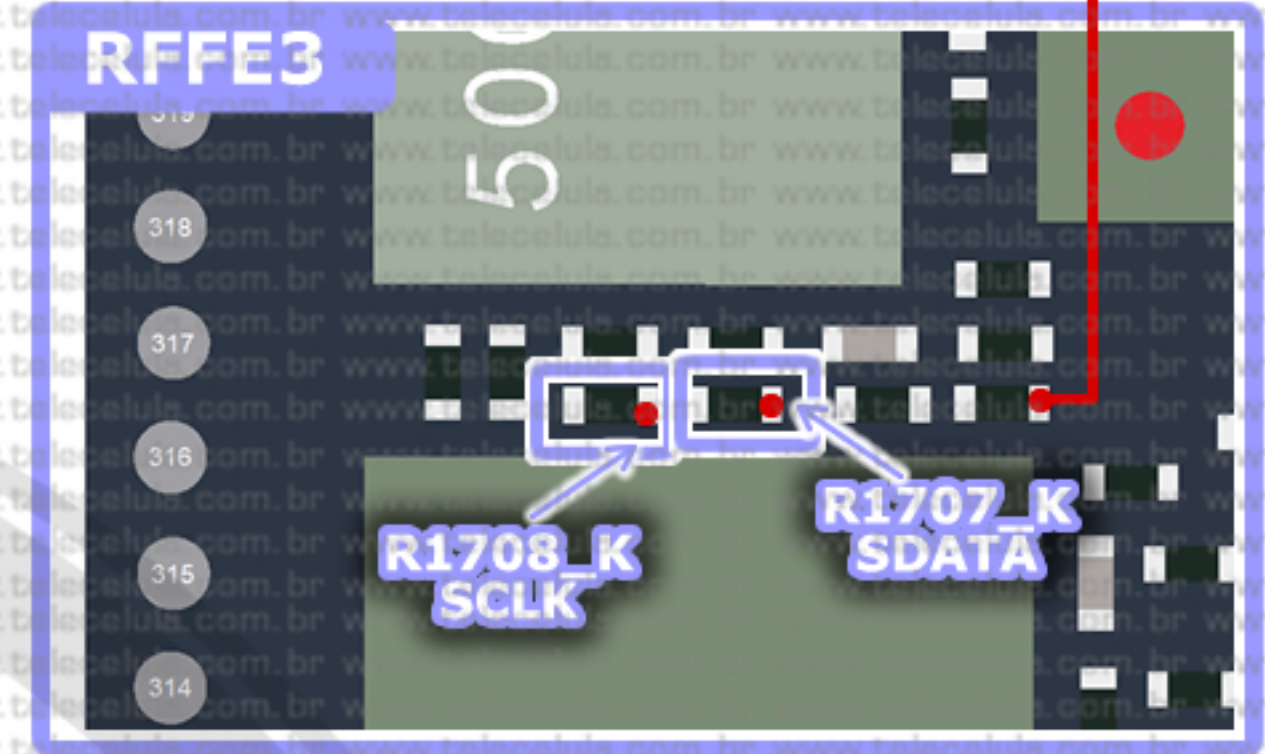
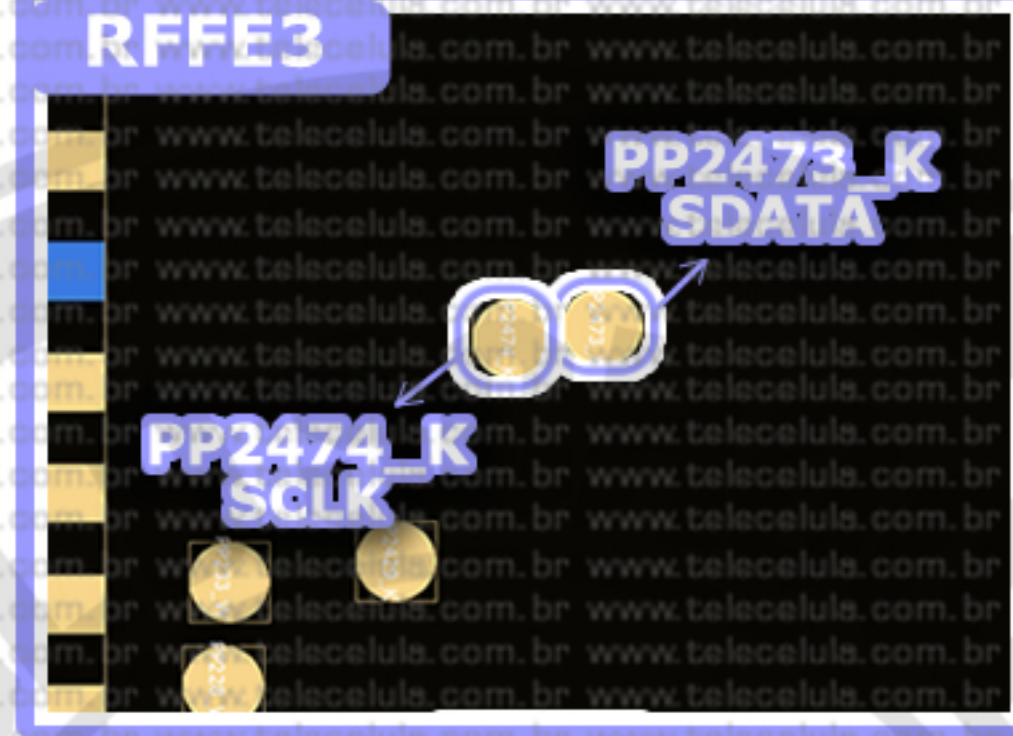
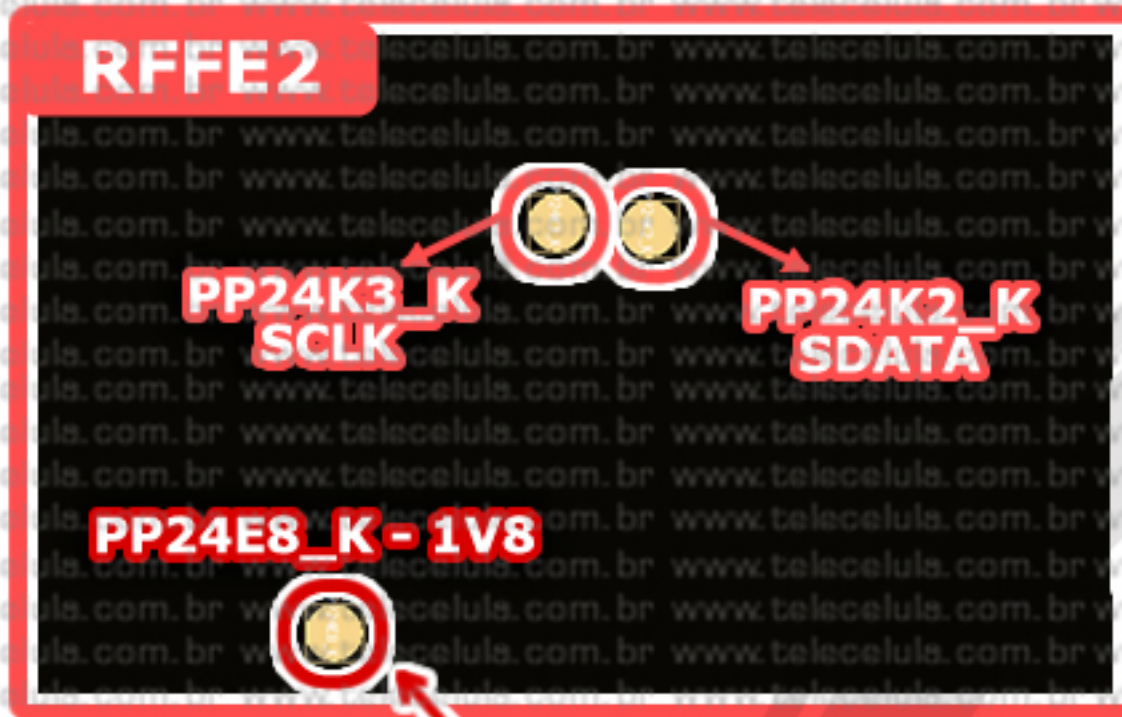


# RFFE -XCVR

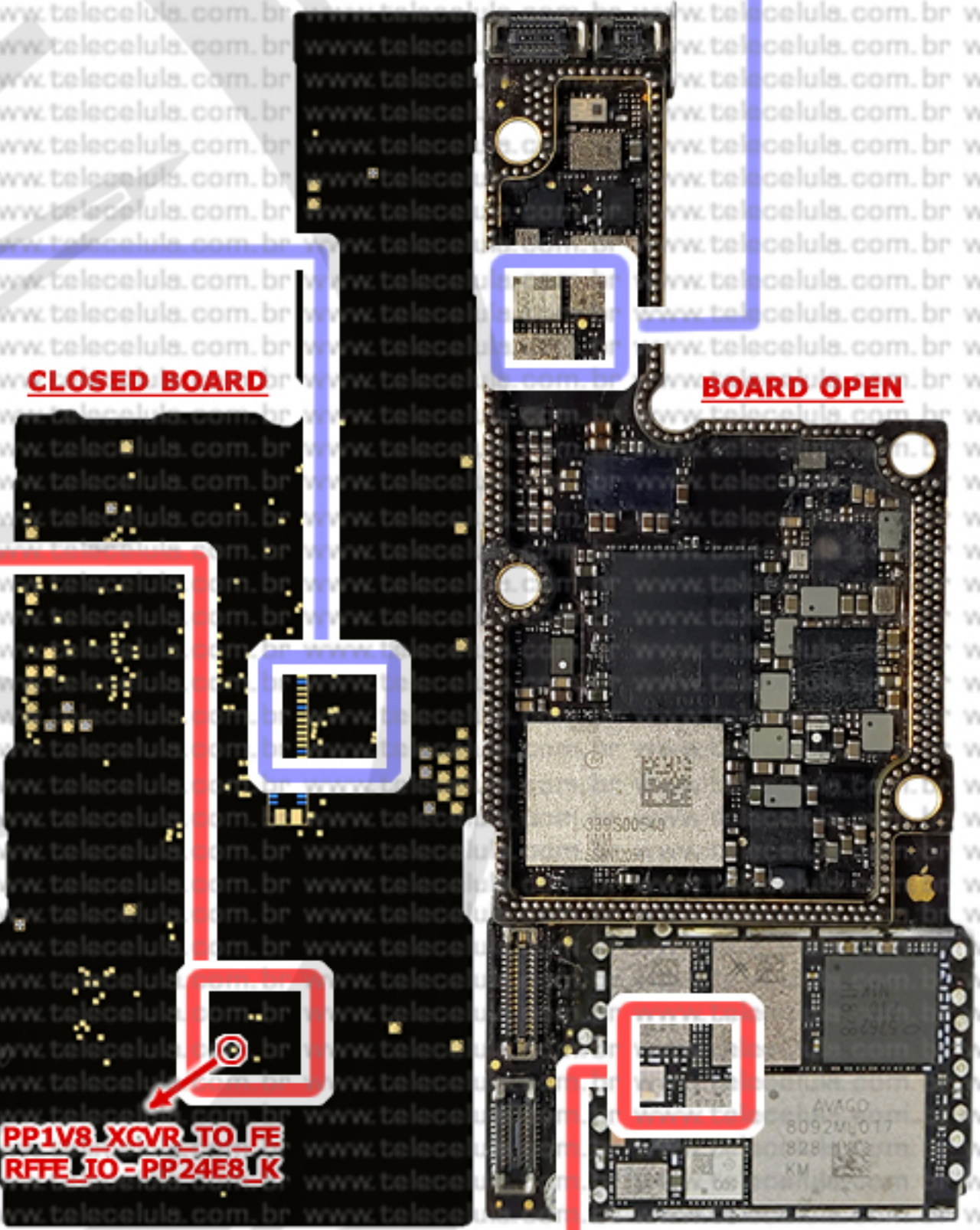
## IPHONE XS

APN: 820-0997-A

R1905\_K  
PP\_1V8\_XCVR\_TO\_FE\_RFFE\_IO

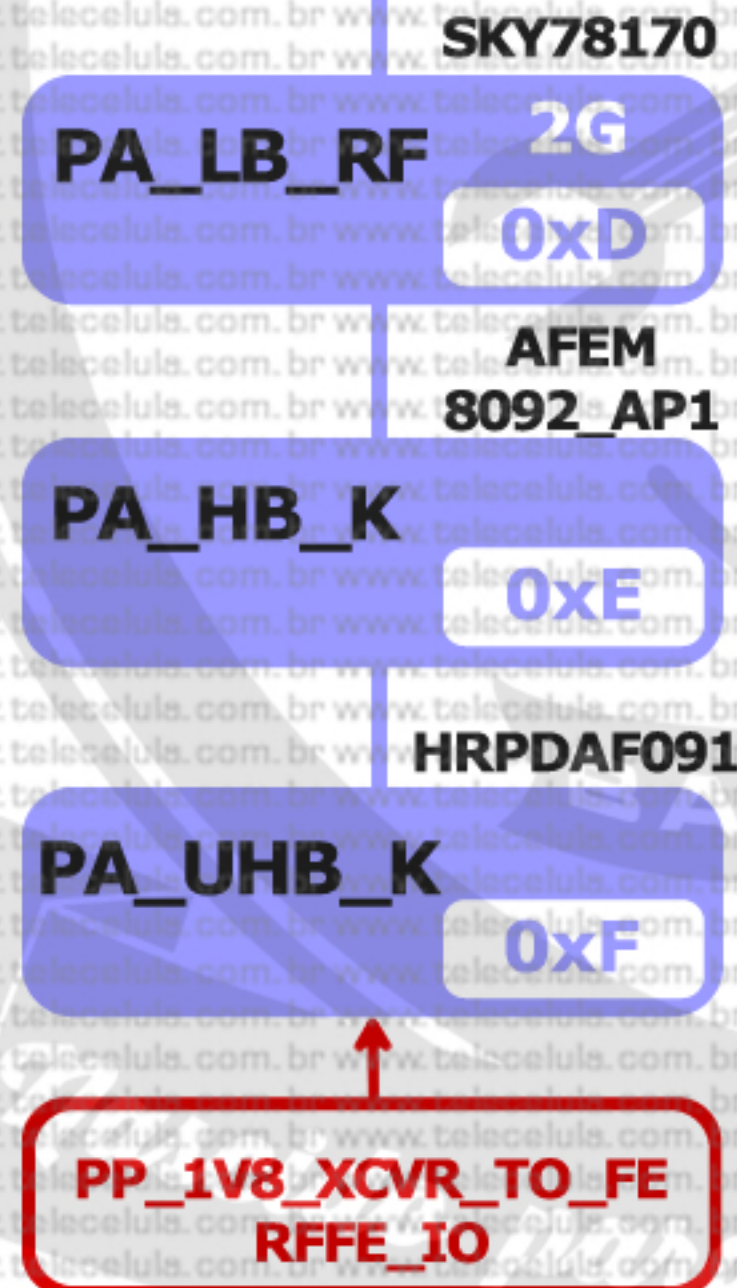


PP\_1V8\_XCVR\_TO\_FE  
RFFE\_IO



### RFFE2/XCVR

### XCVR TO FE RX RFFE 3



- SLCK
- SDATA
- GND
- 1V8

Necessary test points to read RFFE

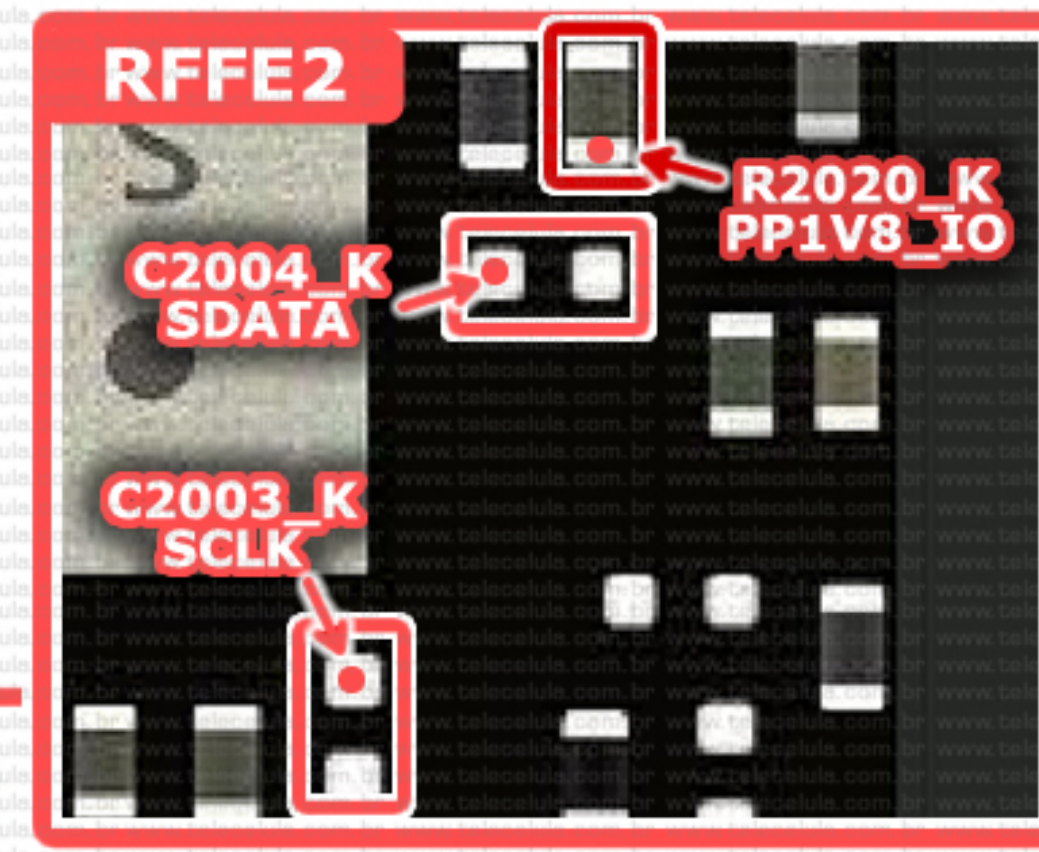
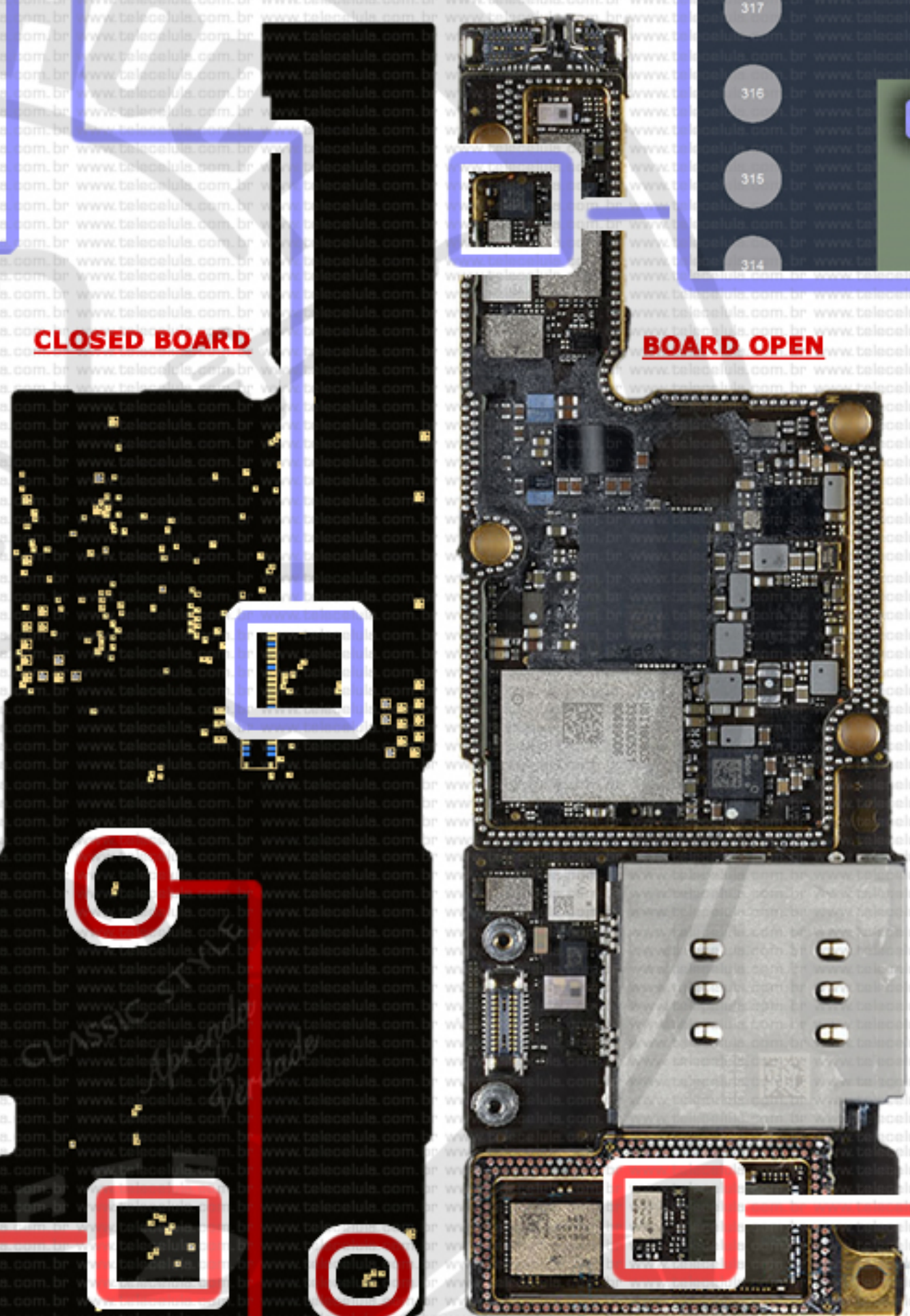
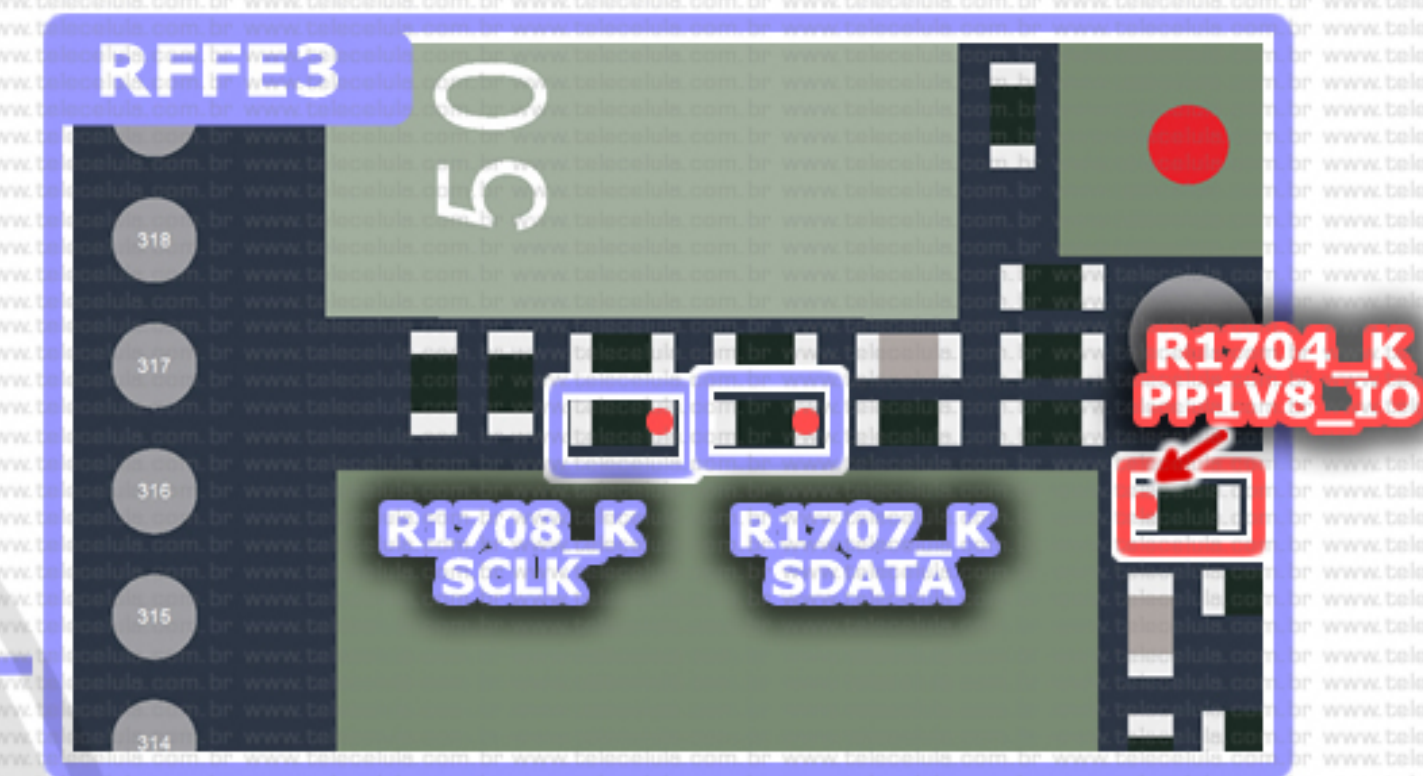
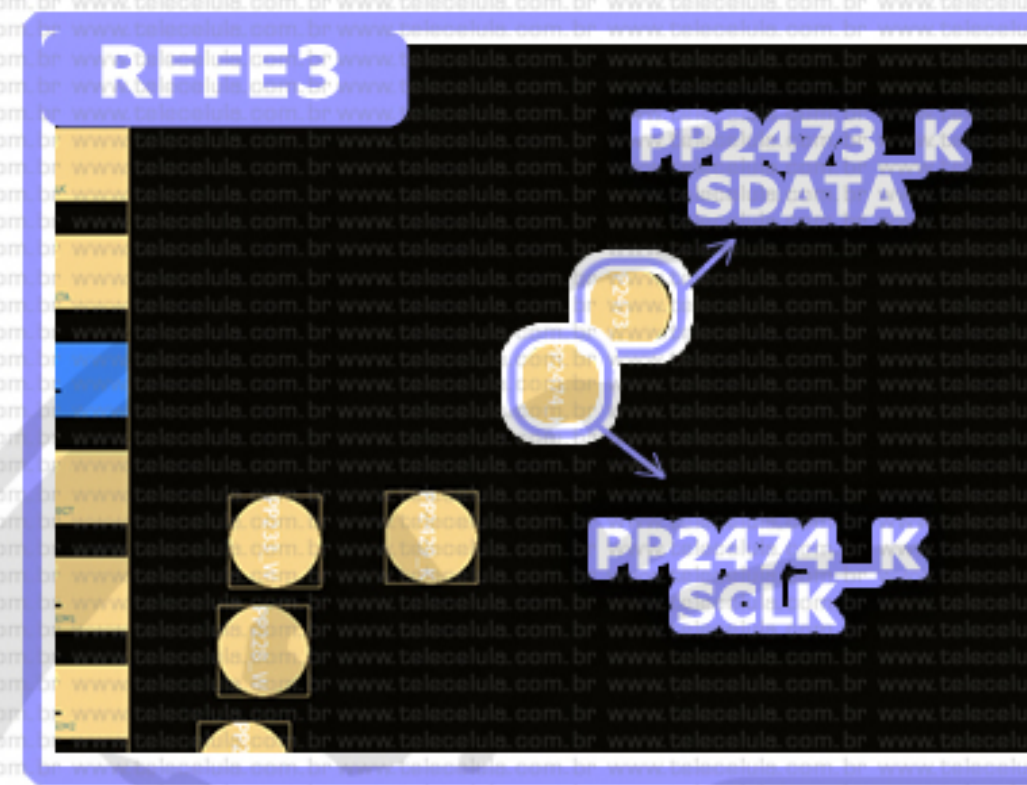
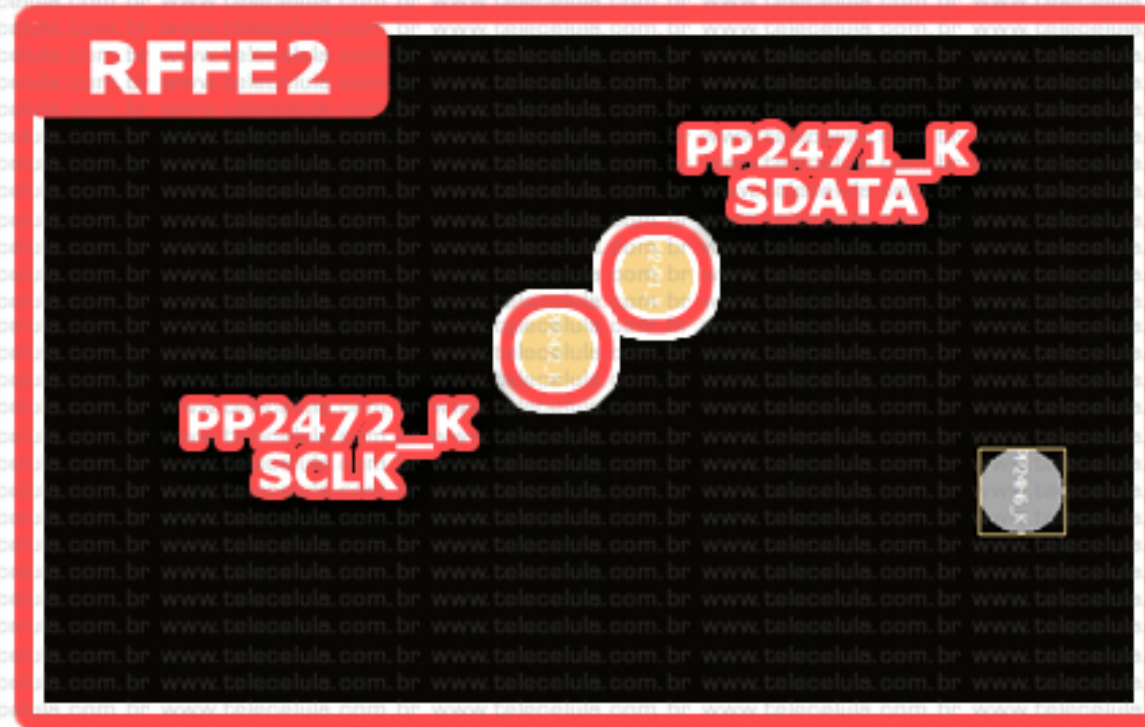




# RFFE

## IPHONE XS MAX

APN: 820-001063-A



### RFFE 2

### RFFE 3

#### SHIELD RFFE TX SCLK XCVR TO FE RX RFFE 3

SKY13775	CPL_K	0x6
QM81019	U_ET2_K	0xC
AFEM 8092_AP1	PA_HB_K	2G 0x3
SKY78170	PA_LB_L	0x2
HRPDAF092	PA_UHB_K	0x5
	PP1V8_IO PP24J2_K / PP24E8_K	

SKY78170	PA_LB_L	0xD
AFEM 8092_AP1	PA_HB_K	0xE
HRPDAF092	PA_UHB_K	0xC
	PP1V8_IO PP24J2_K / PP24E8_K	

SKY13768	DSM_HB_K	LNA	0xA
SKY13765	DSM_LB_K	0x9	
HFQRXRCJB_500	DSM44U_K	MIMO RDM	0x4
SKY85759	U_5G U_W	UAT	0x6
SKY85759	U_5G L_W	LAT MURATA	0x41 0x5 MURATA
HFQRXRCJB_500	DSM44L_K	RPM MIMO	0x3

- SLCK
- SDATA
- GND
- 1V8

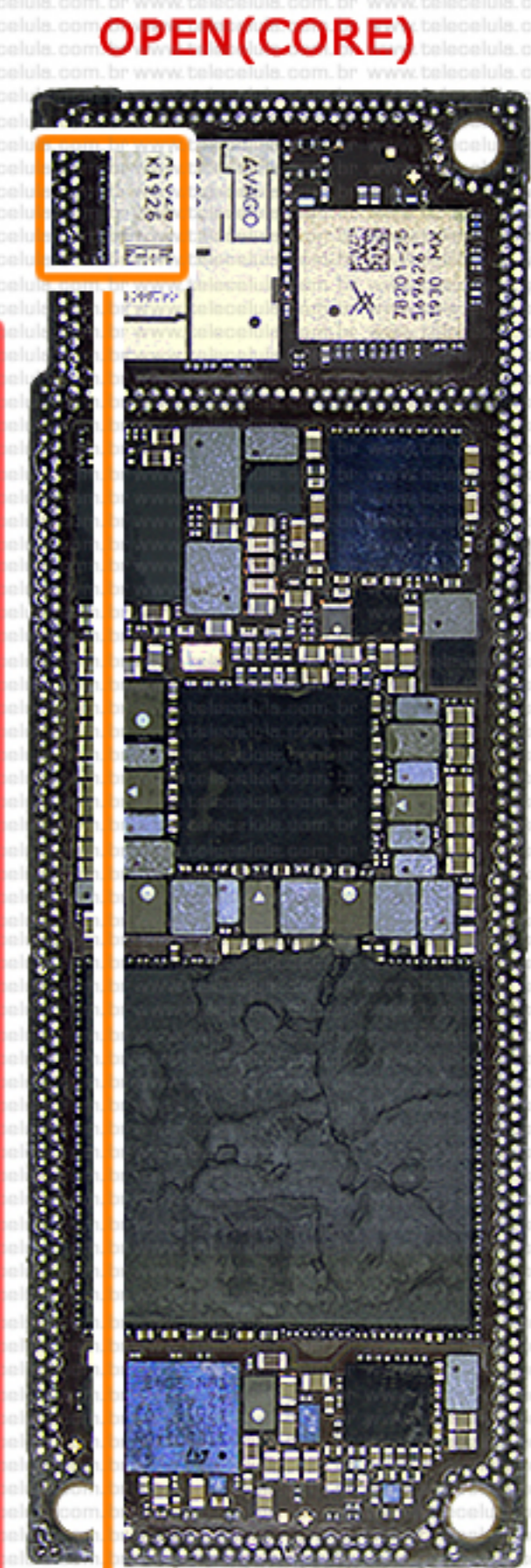
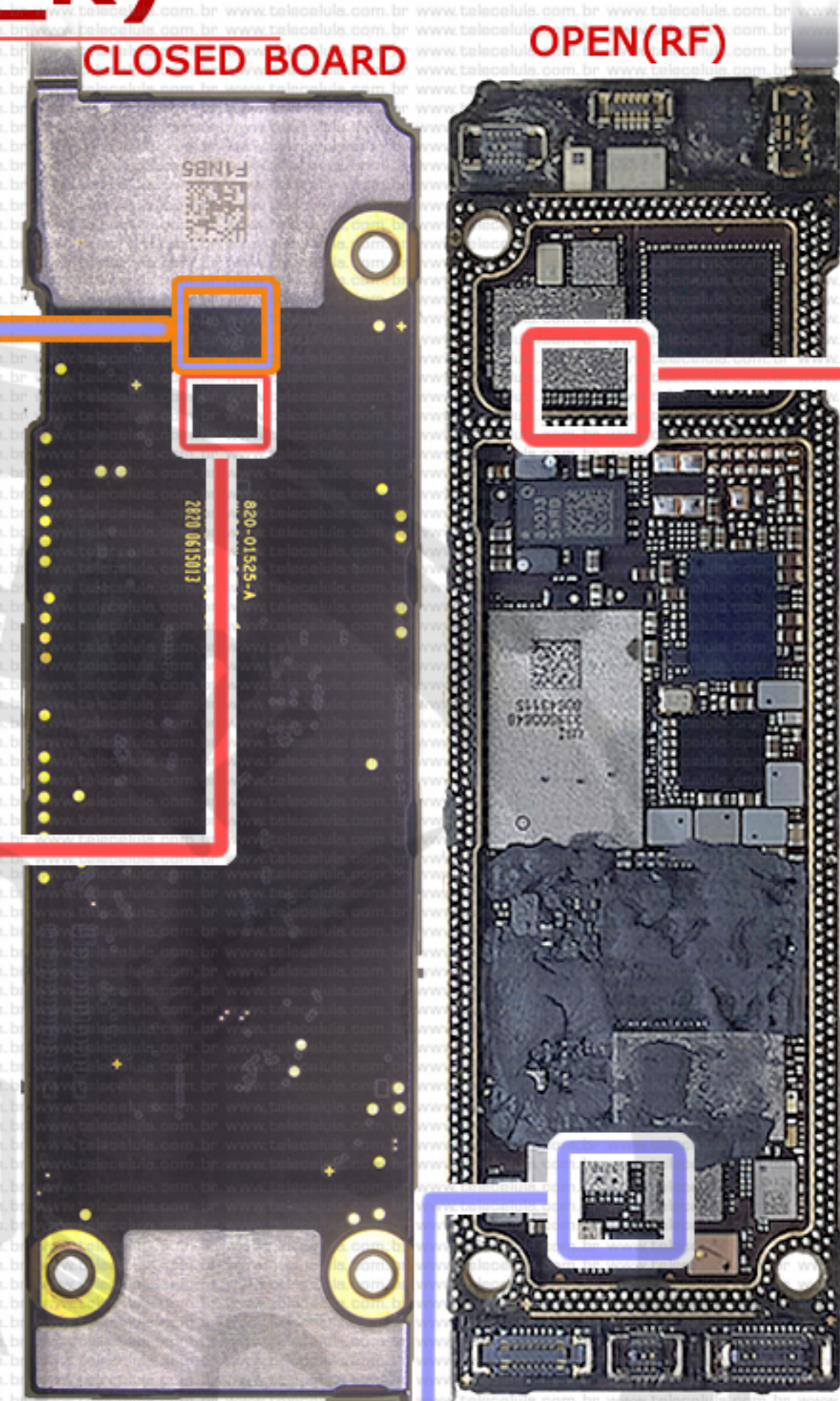
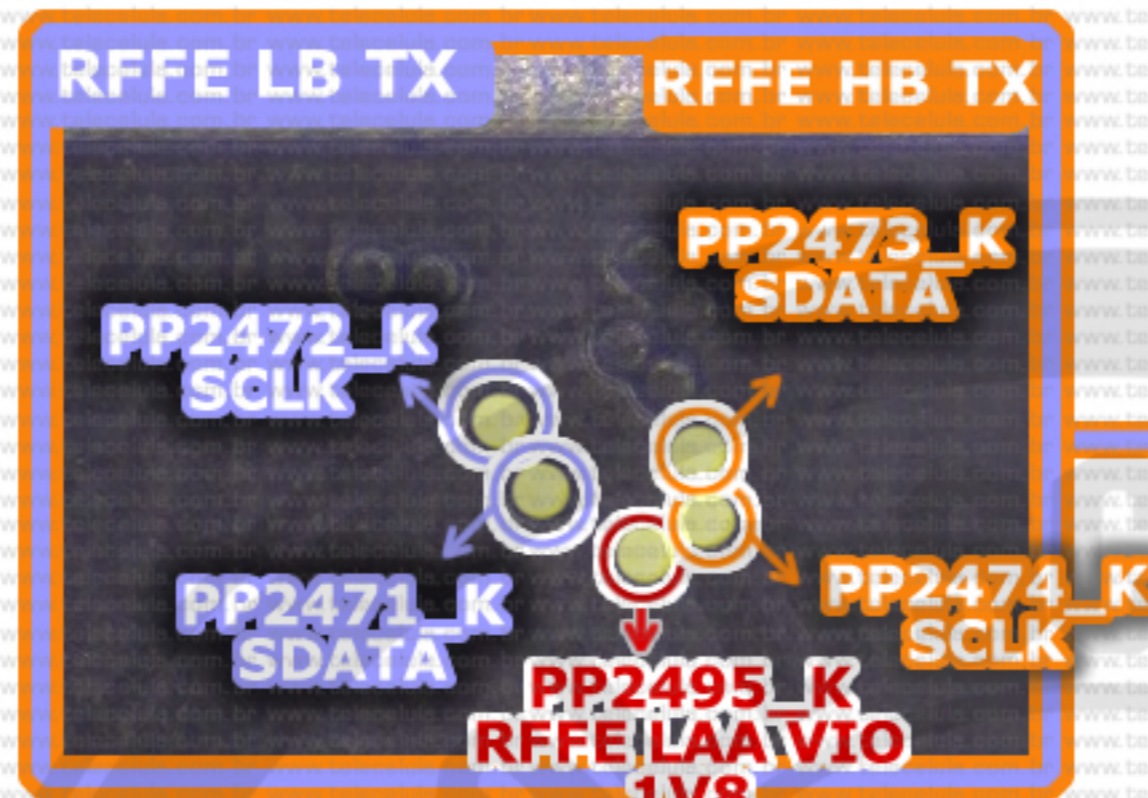
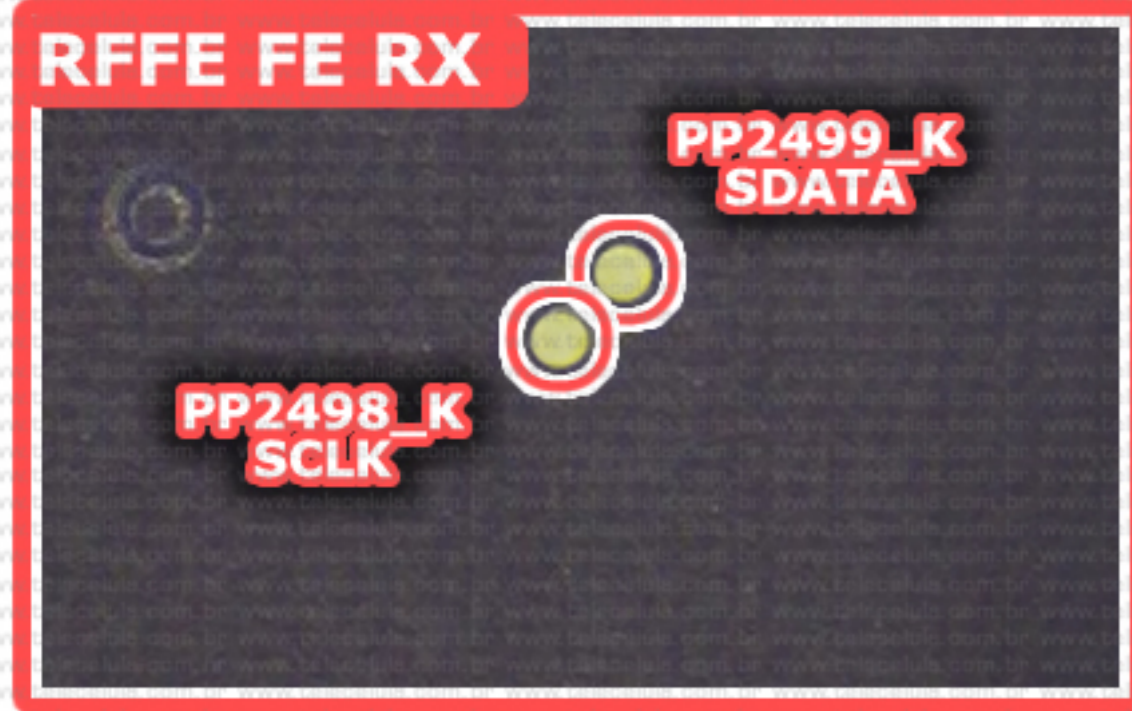
Necessary test points to read RFFE



# RFFE (XCVR\_K)

## IPHONE 11

APN: 820-01523-A



RFFE\_LAA\_UAT / RFFE\_LAA\_LAT  
RFFE XCVR TO FE RX CLK

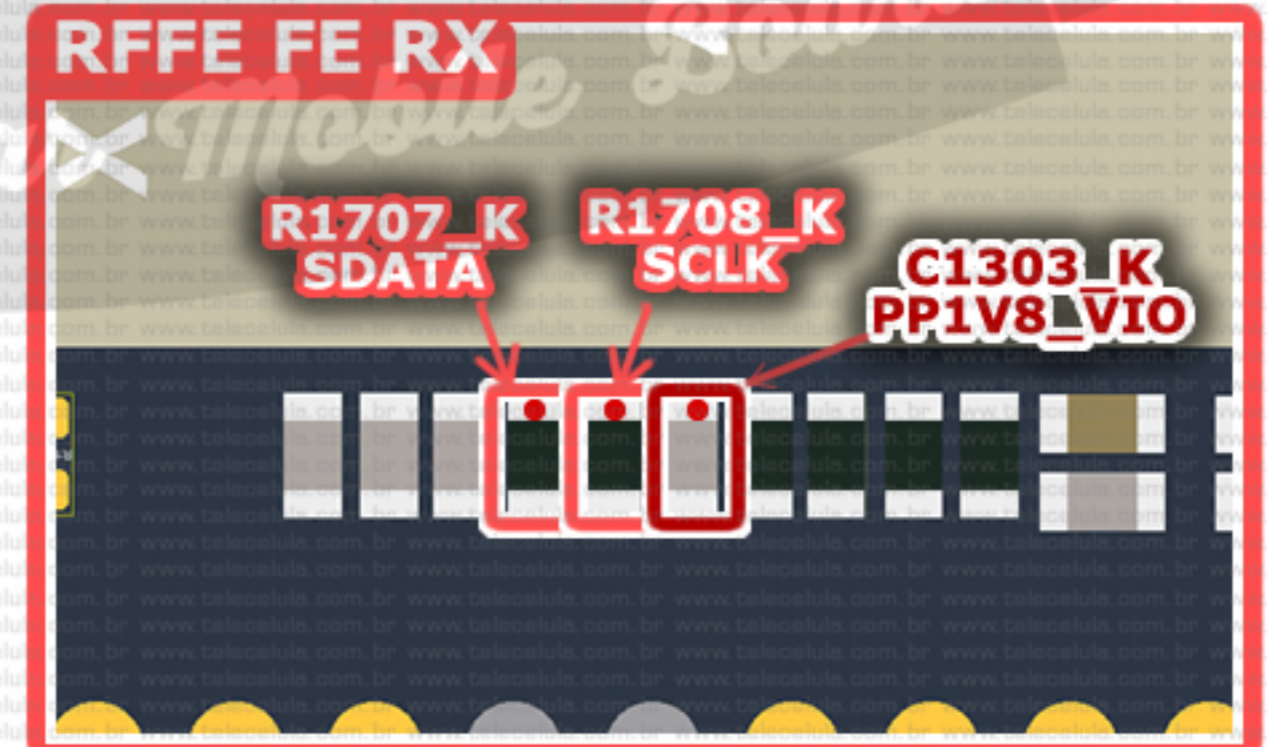
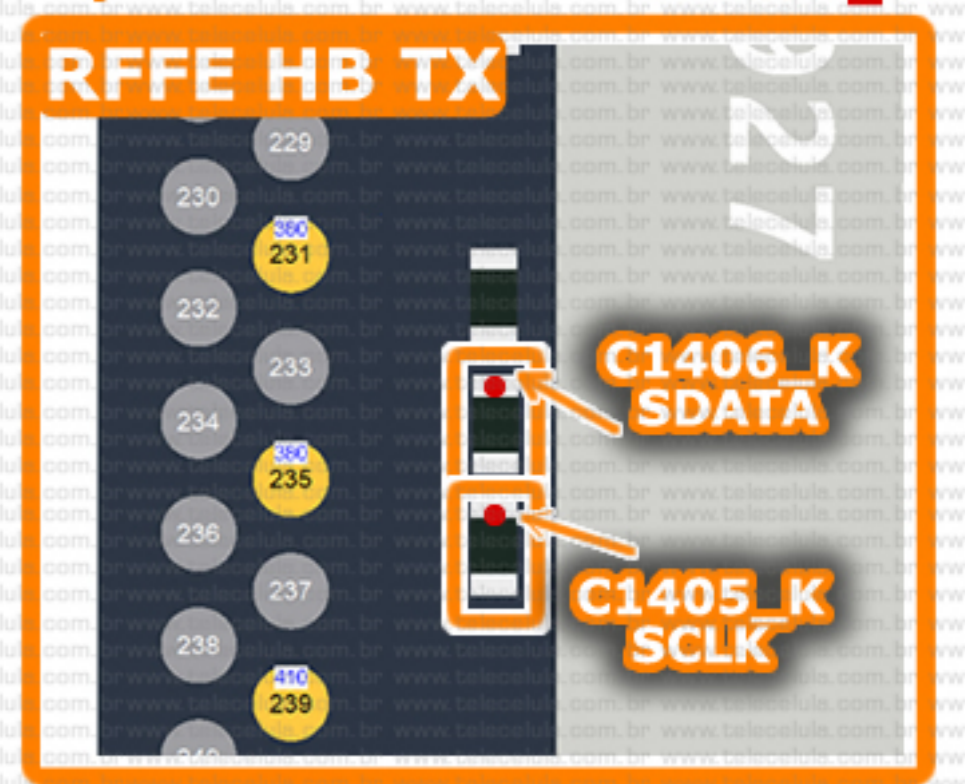
PA LB K	0xD	SKY78220
PA HB K	0xE	AFEM 8100_AP1
PA UHB K	2G 0xF	SKY78220
U 5G L W LAT/WI-FI/5G	0x41 0x5	MDFEGFFB_126
DSM HB K HB LNA	0xB	SKY13789
DSM LB K	0xA	LMRXFRJB_K57
U 5G U W FEM	0x6	UAT_5G MDFEGFFB_126

ET ETIC_K	0xC	QM81013
PA LB K	0x1	SKY78220
CPLR U K UAT	0x9	SKY16710
CPLR L K LAT	0x8	SKY16710
PA UHB K	0xF	UHB_MLB_2GS_PAD QM81013

RFFE XCVR TO LB TX DATA	0xC	QM81013
RFFE XCVR TO HB TX DATA	0x3	UHB_MLB_2GS_PAD
ETIC_K	0xC	QM81013

- SLCK
- SDATA
- GND
- 1V8

Necessary test points to read RFFE



PP2495\_K - PP1V8\_VIO

PP2495\_K - PP1V8\_VIO

PP2495\_K

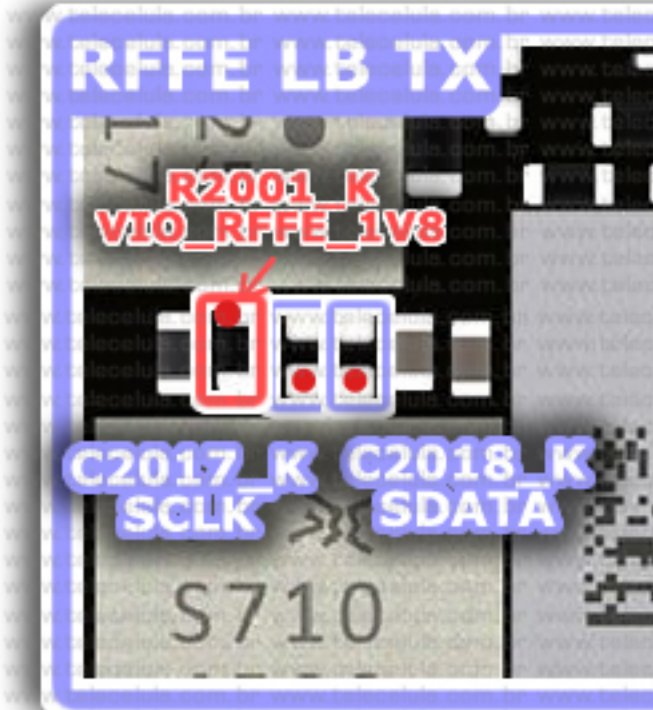
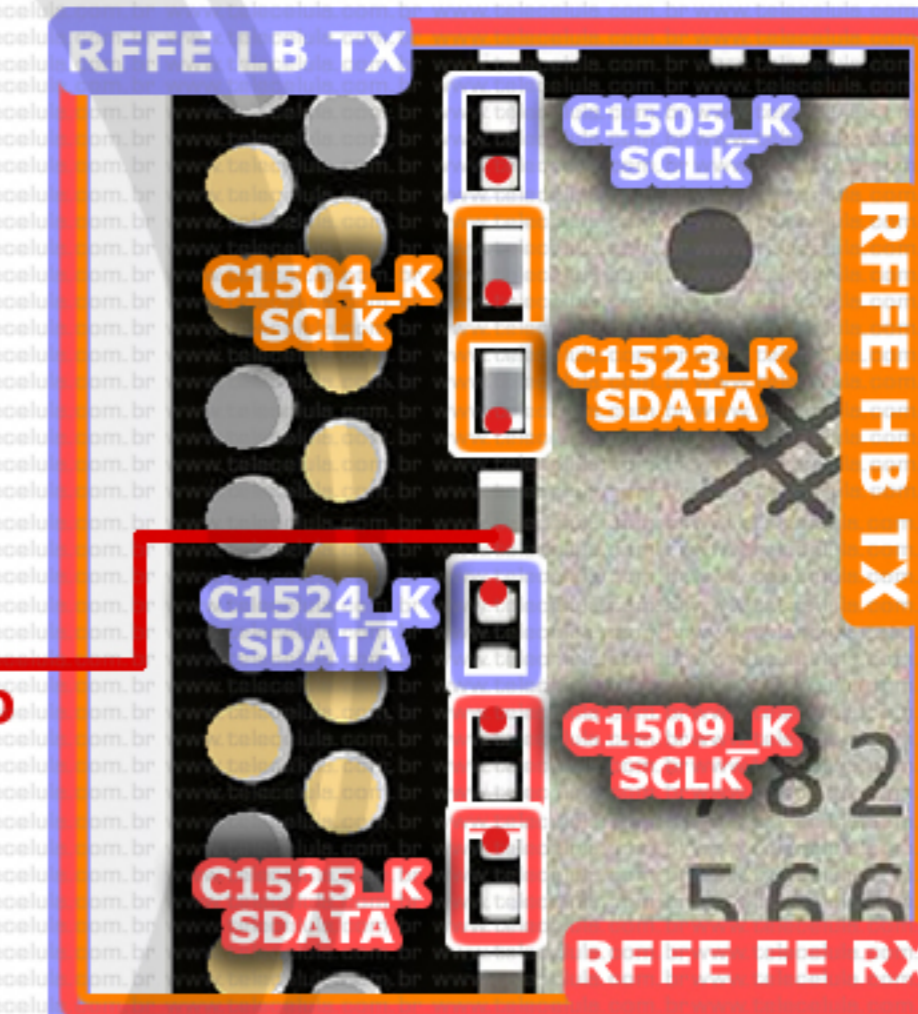
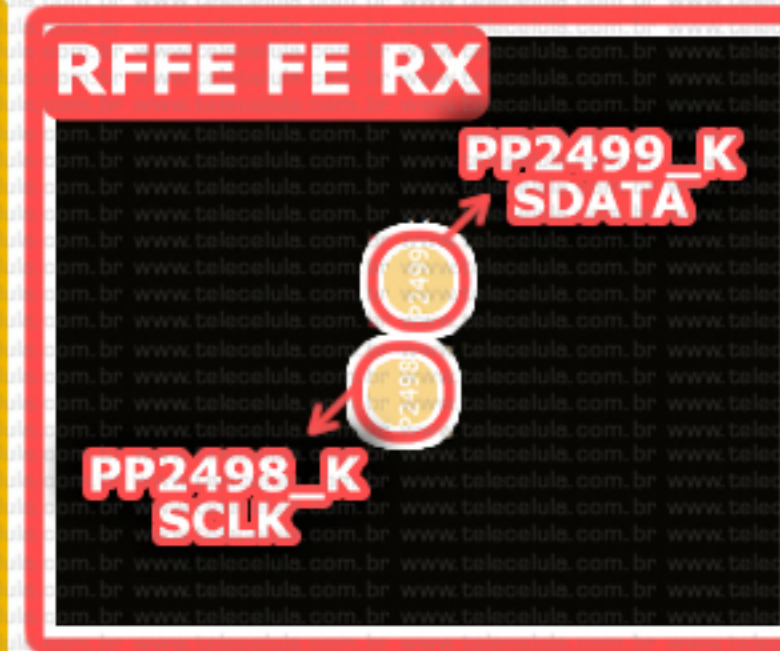
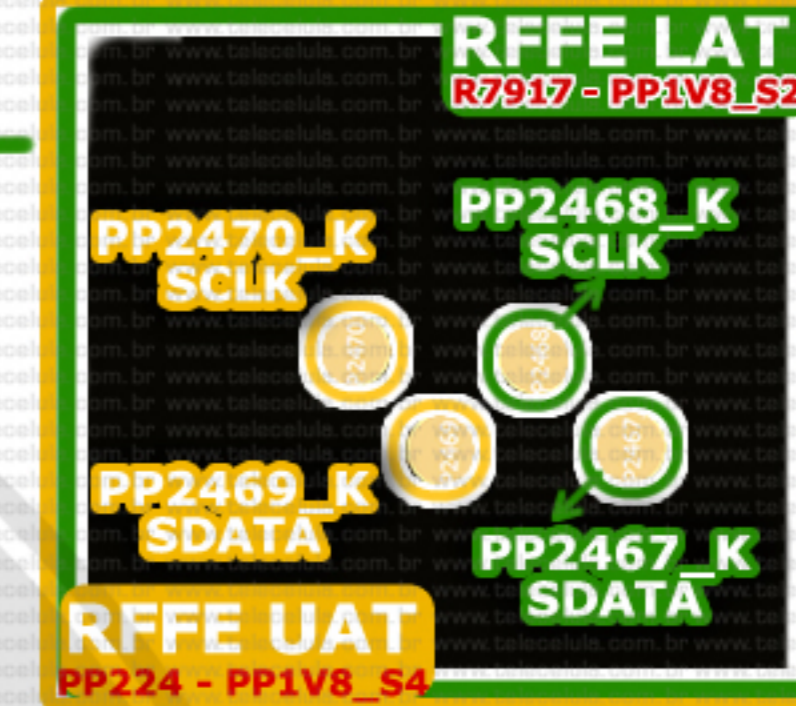
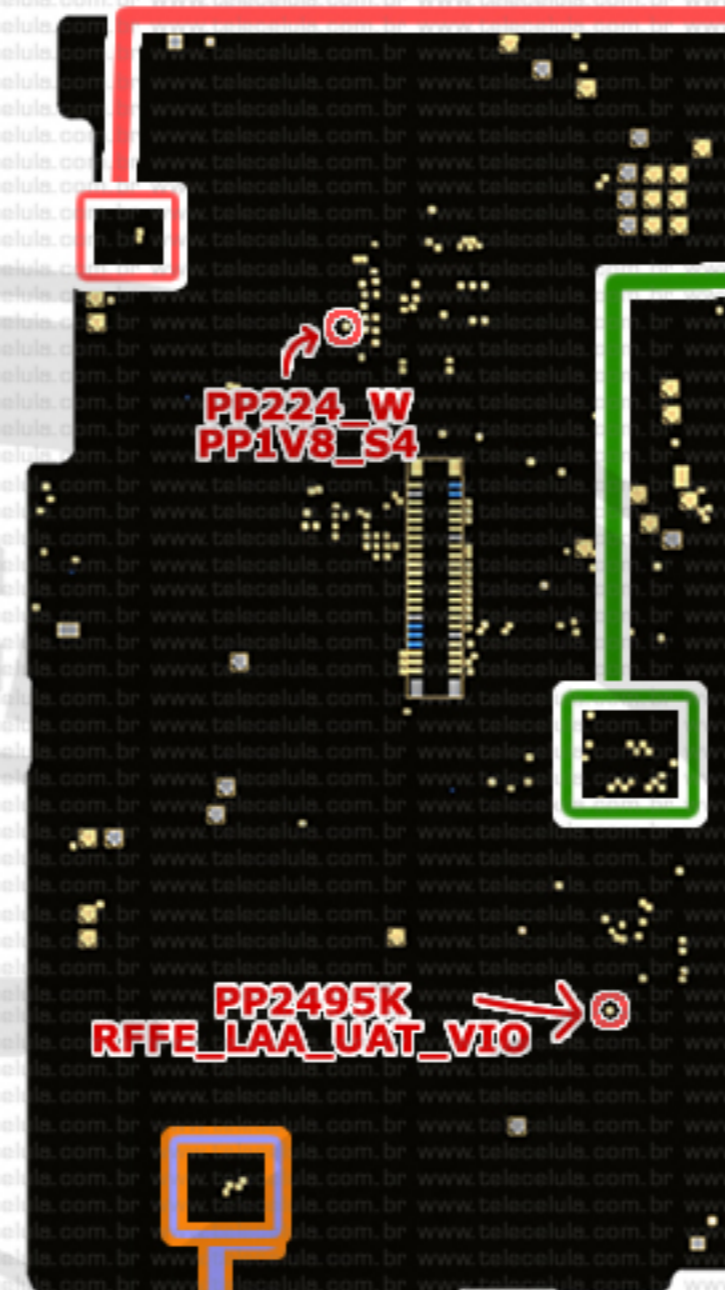
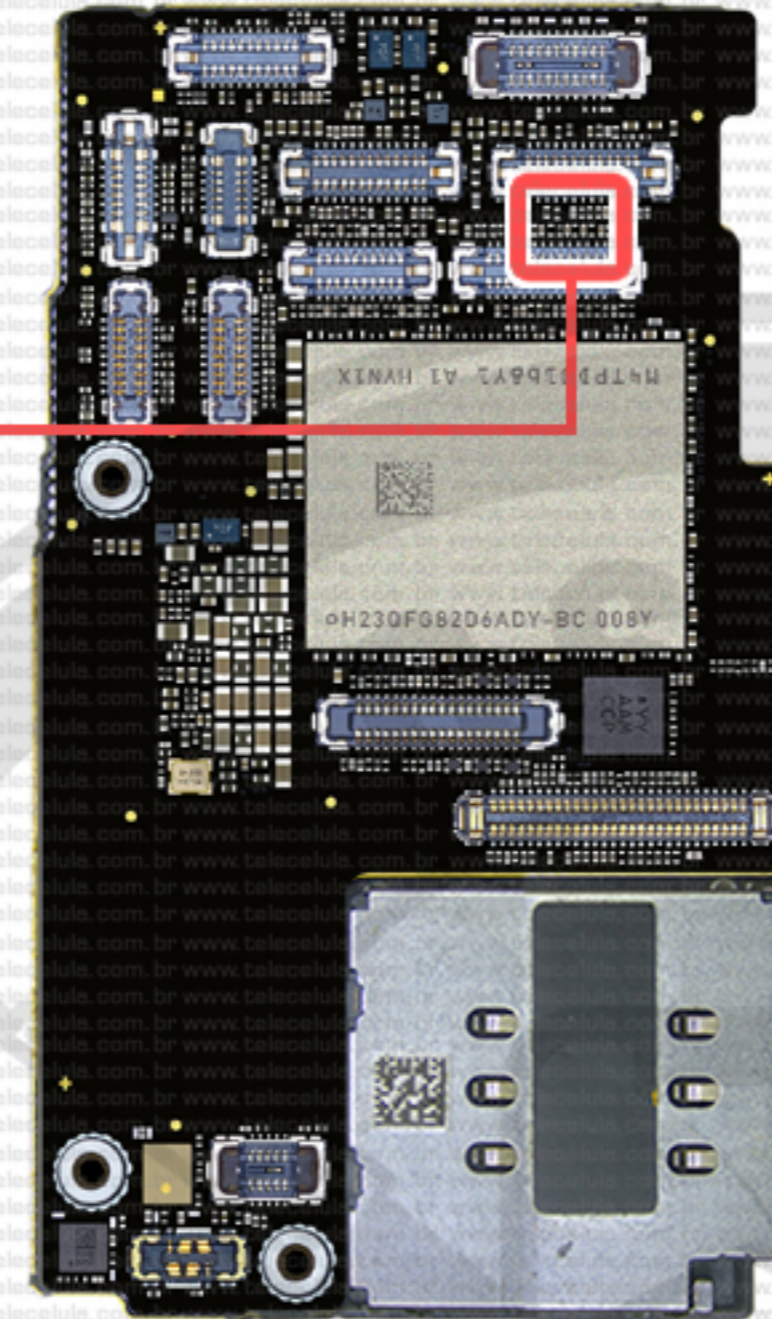
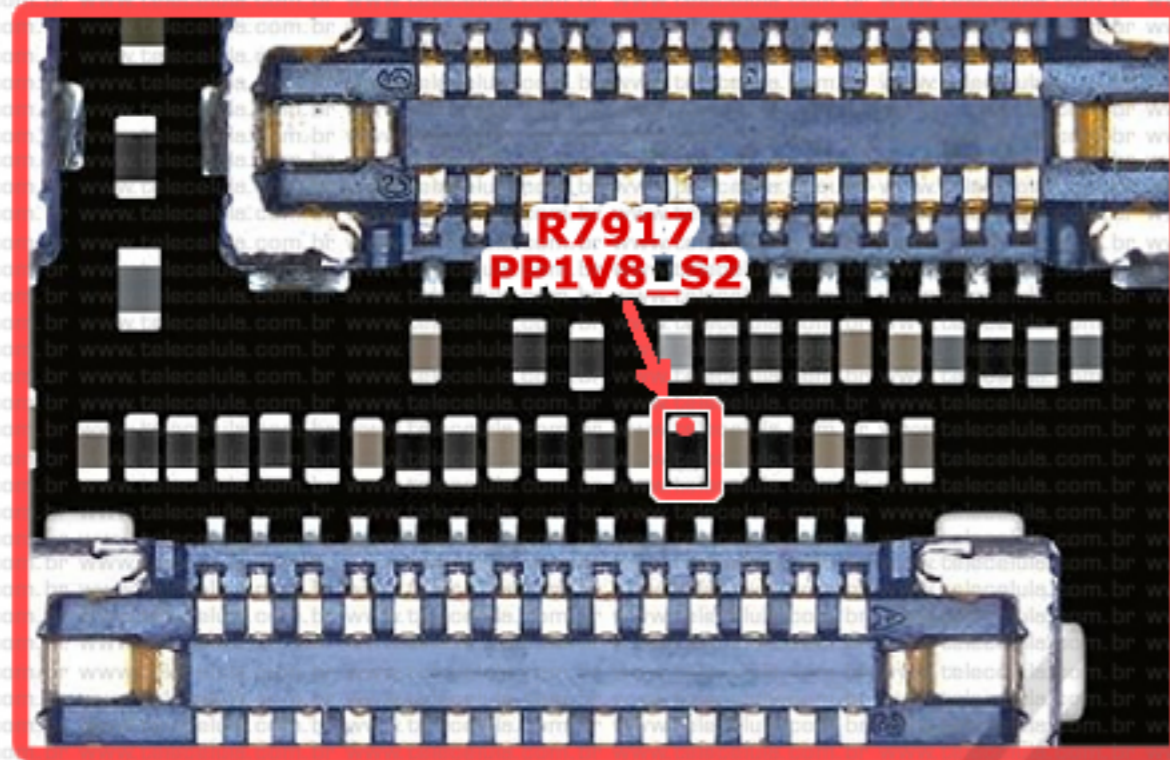


# IPHONE 11 PRO/ PRO MAX

APN: 820-01682-08 | APN: 820-00189-A

# RFFE - XCVR

CLOSED BOARD



## RFFE XCVR TO FE RX CLK

SKY78220  
PA LB K 0xD

HFQRXRJDB 728

MIMODS K 0x7

AFEM 8100\_AP1

PA HB K 0xE

UHB\_2GS\_PAD

PA UHB K 0xF

MDFEGFFB\_126

U 5G L W 0x41  
WI-FI/5G 0x5

SKY13787

DSM HB K 0xB  
HB LNA

LMRXFRJB\_K57

DSM LB K 0xA

MDFEGFFB\_126

U 5G U W 0x41  
FEM 0x6

PP2495\_K RFFE\_LAA\_UAT\_VIO

- SLCK
- SDATA
- GND
- 1V8\*

Necessary test points to read RFFE

## RFFE XCVR TO LB TX DATA

QM81013  
ETIC\_K 0xC

SKY78220  
PA\_LB\_K 0x1

SKY16710  
CPLR\_U\_K COUPLER 0x9

SKY16710  
CPLR\_L\_K COUPLER 0x8

UHB\_2GS\_PAD  
PA\_UHB\_K 2G 0x3

PP2495\_K RFFE\_LAA\_UAT\_VIO

## RFFE BB TO LAT DATA RFFE BB TO LAT SCK

QM18833  
LAT\_SUBUS LATTUN\_K 0x8

R7917 - PP1V8\_S2

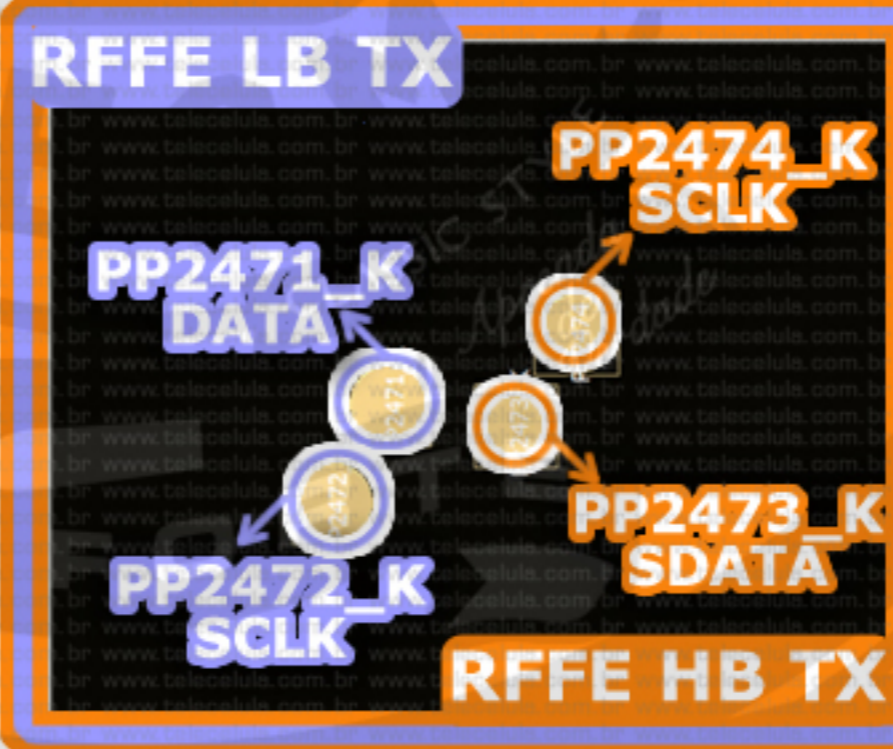
## RFFE XCVR TO HB TX DATA RFFE XCVR TO HB TX SCL

UHB\_2GS\_PAD  
PA\_UHB\_K 0x3 0xF

ATEM\_8100\_AP1  
PA\_HB\_K 0x2

QM81013  
ETIC\_K 0xC

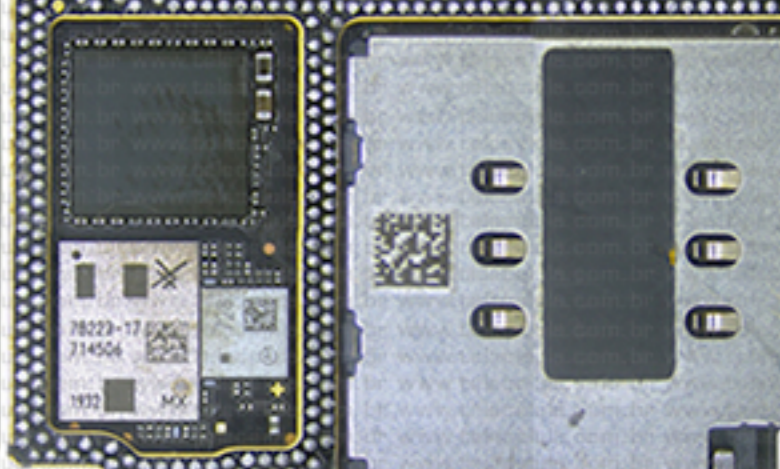
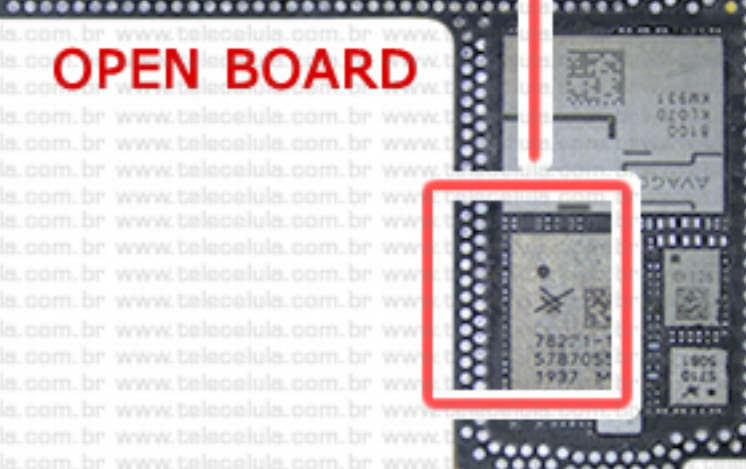
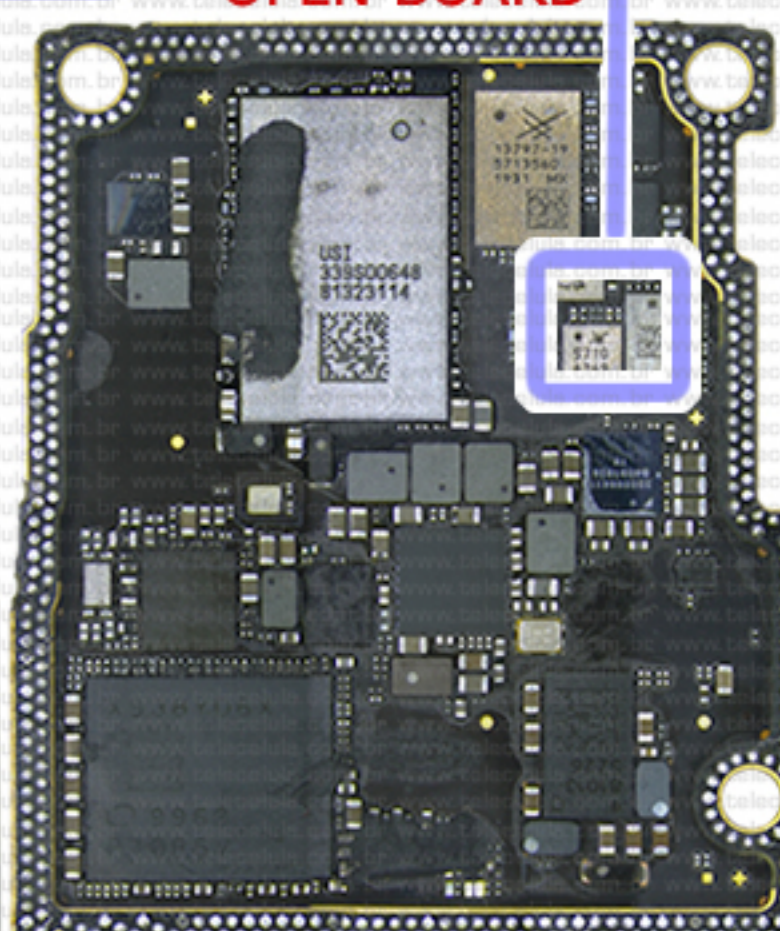
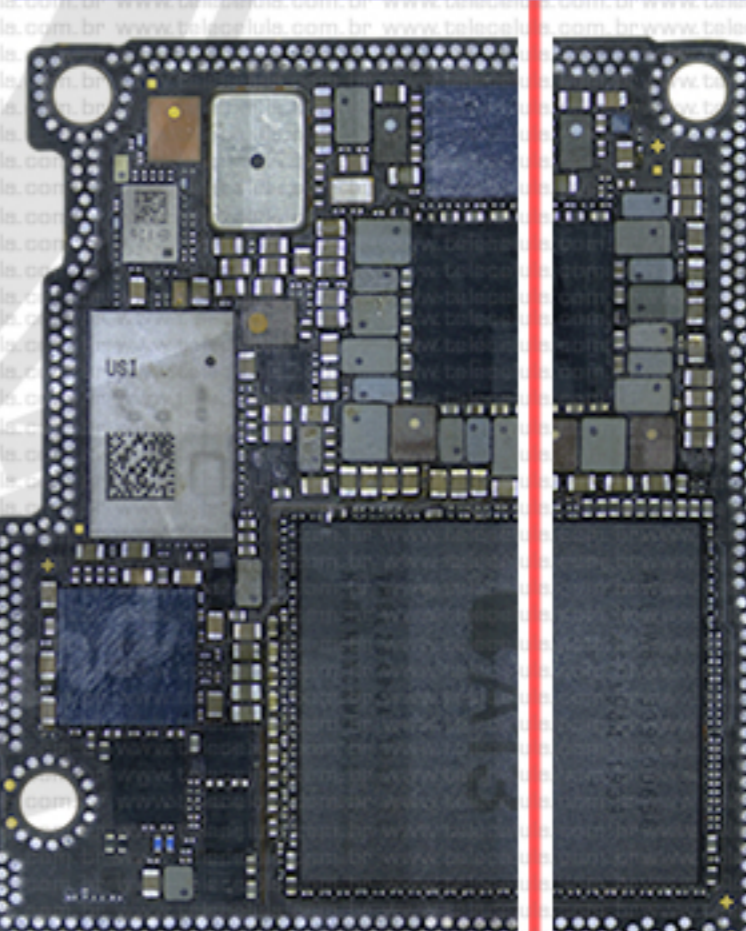
PP2495\_K RFFE\_LAA\_UAT\_VIO



## RFFE BB TO UAT

QM18833  
UATTUN\_K 0x8

PP224\_W VDD1V8\_S4



OPEN BOARD

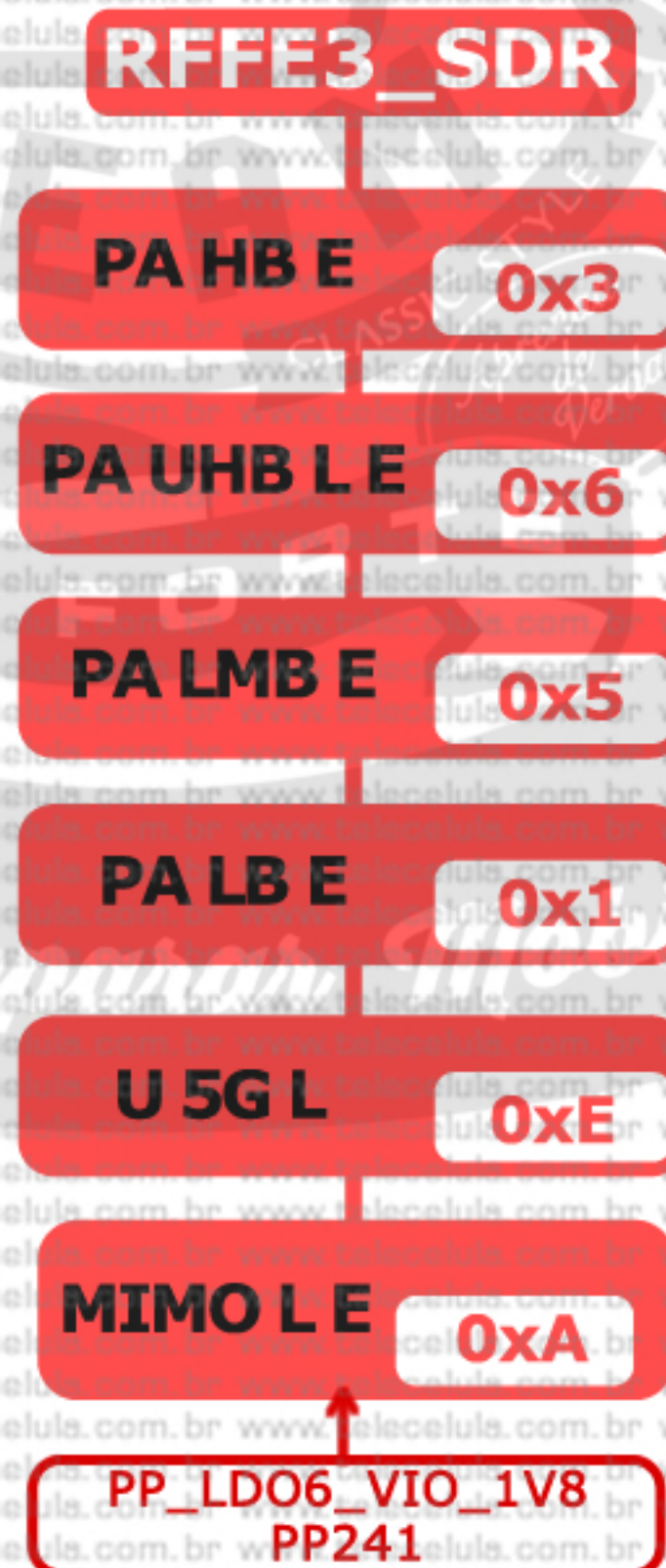
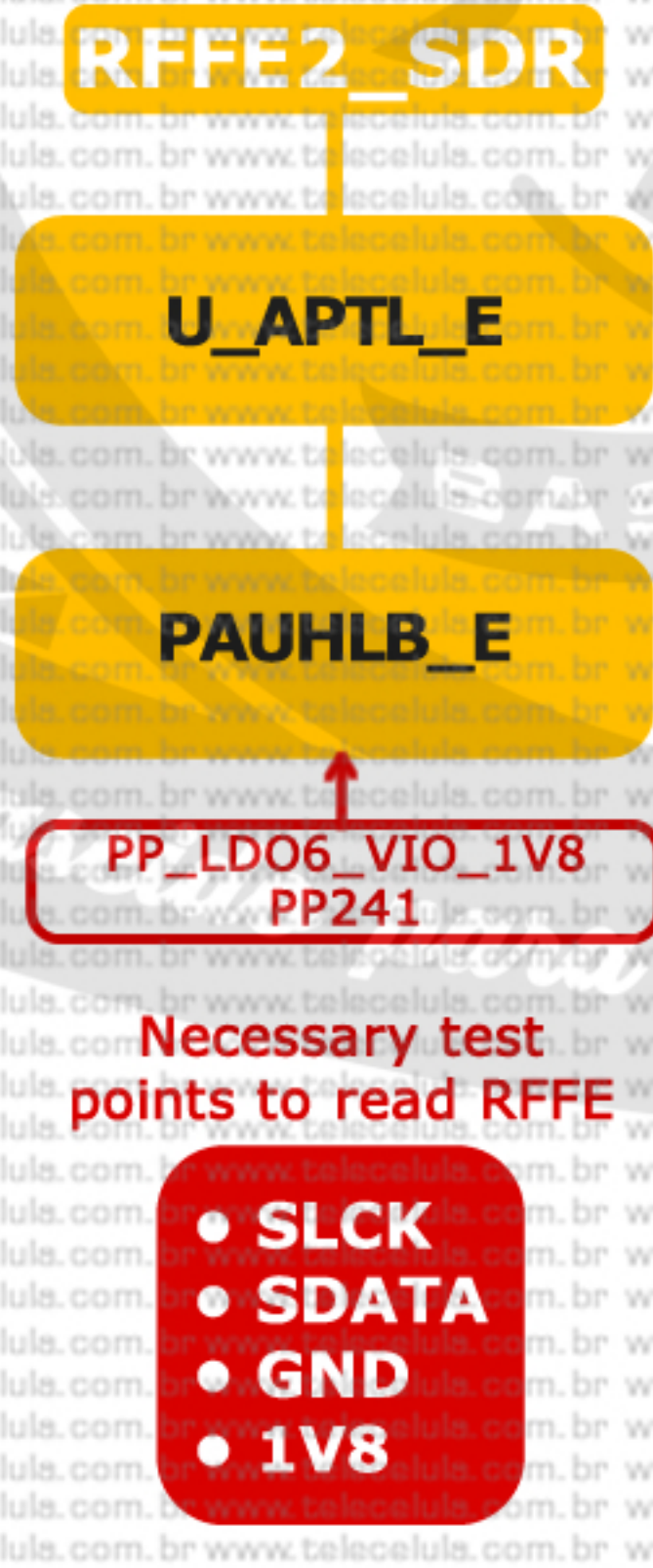
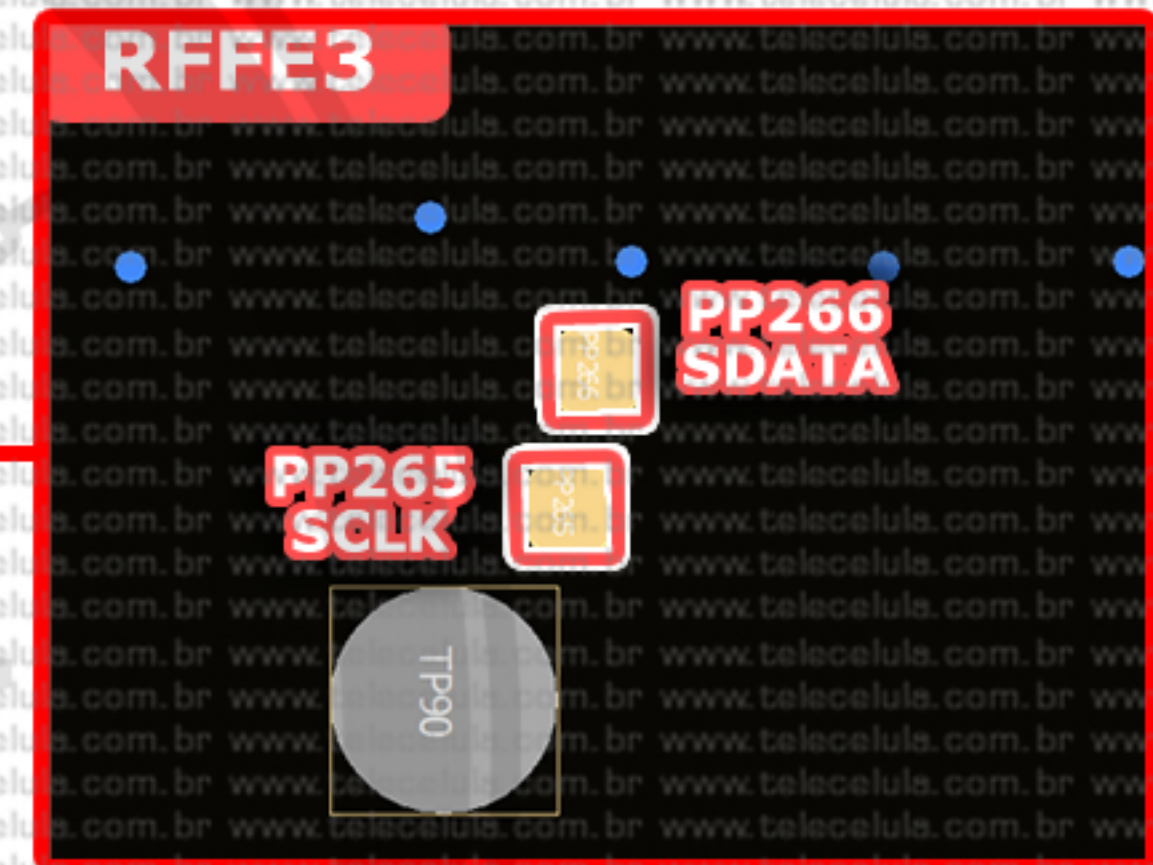
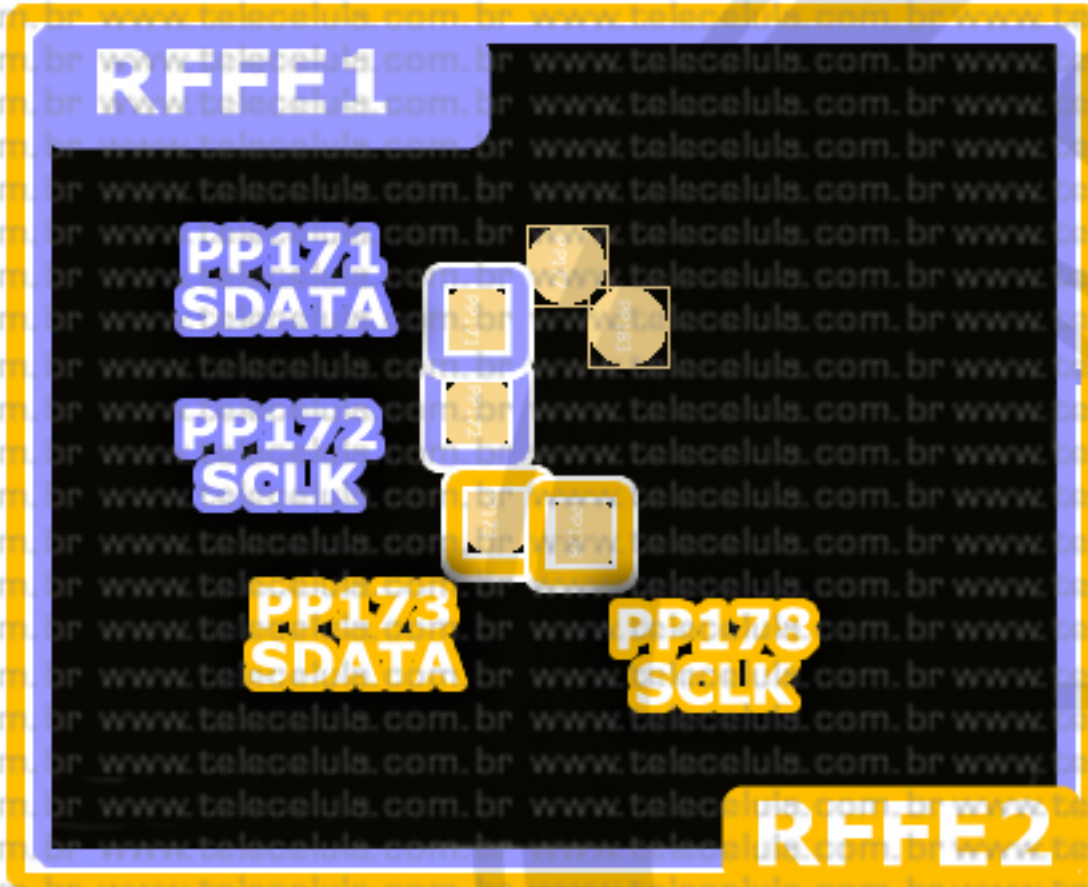
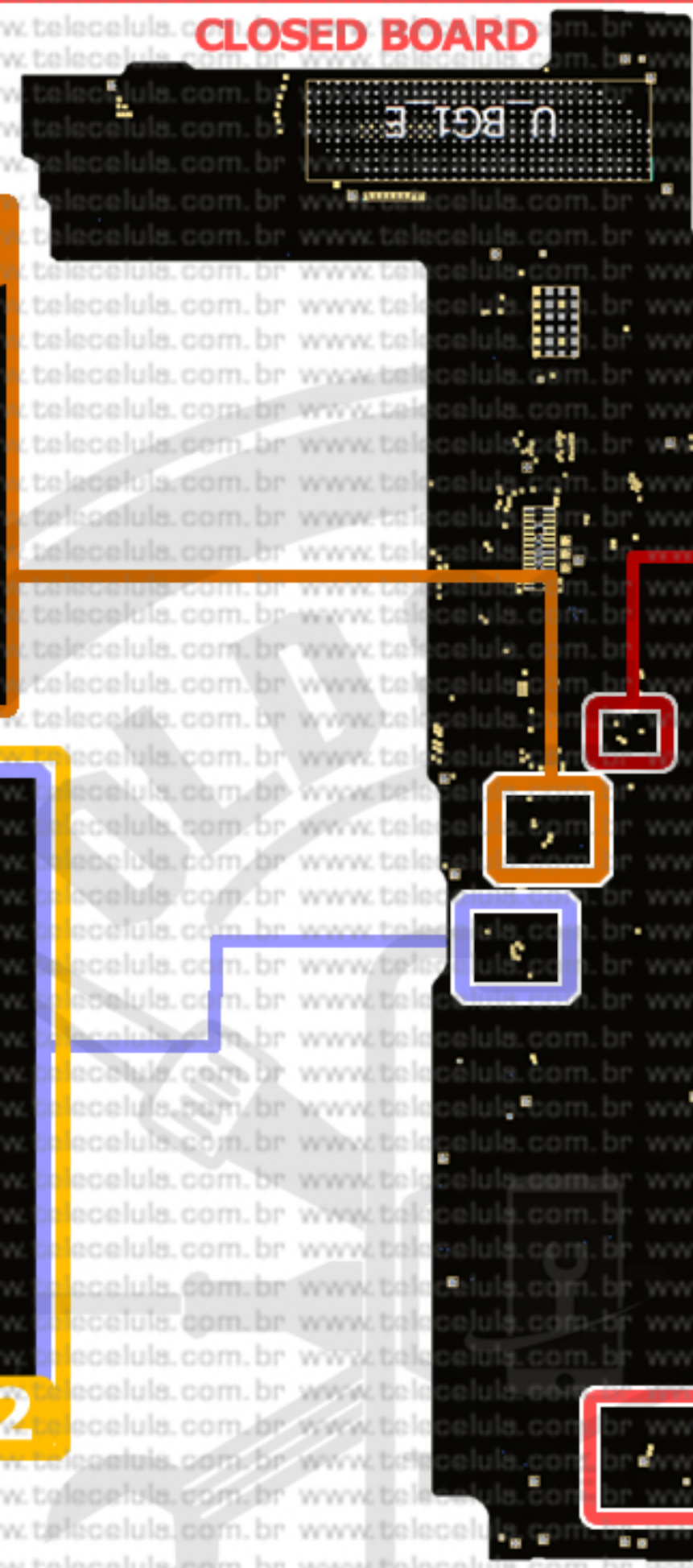
OPEN BOARD



# RFFE - (U\_SDRE)

CLOSED BOARD

## IPHONE 12 MINI

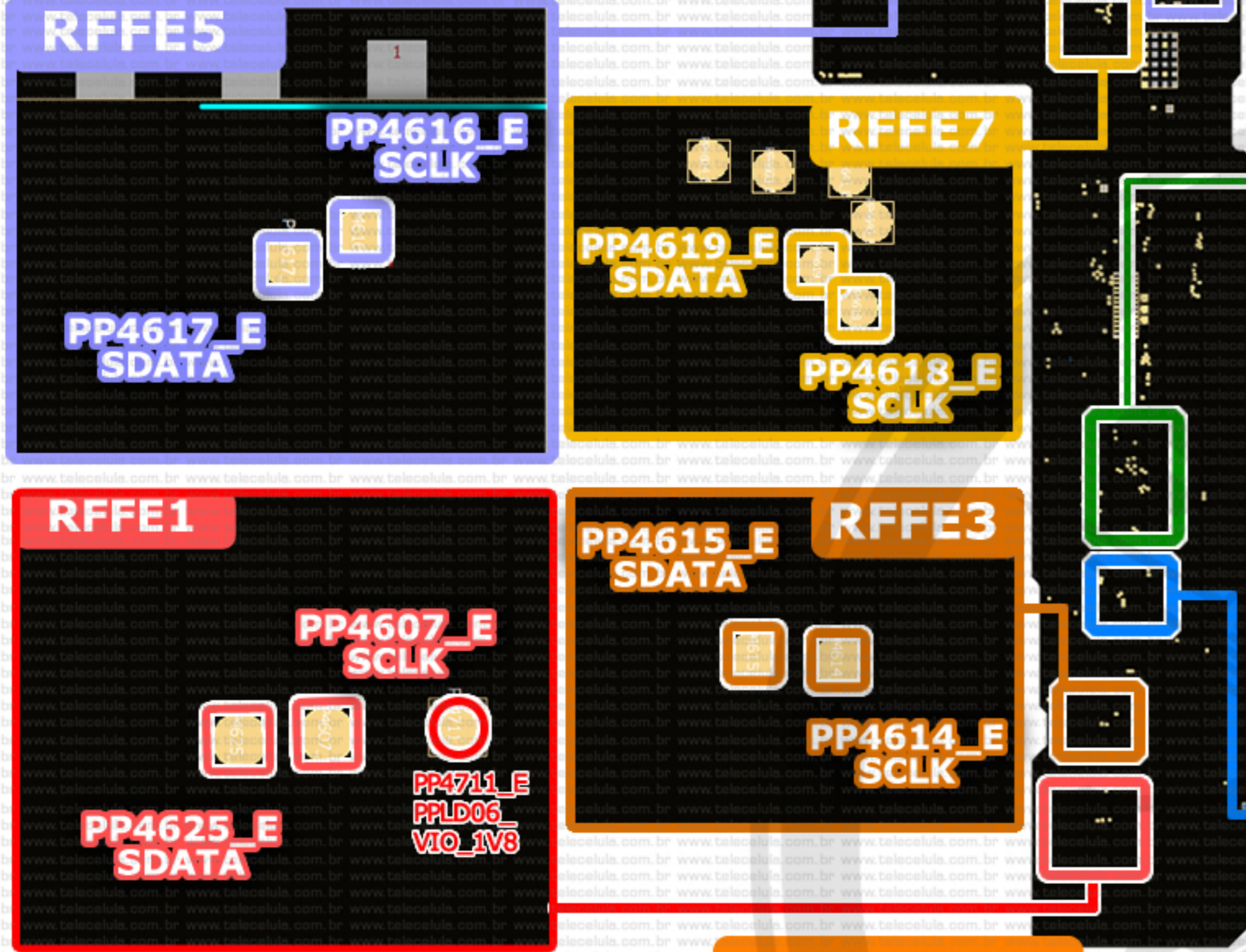




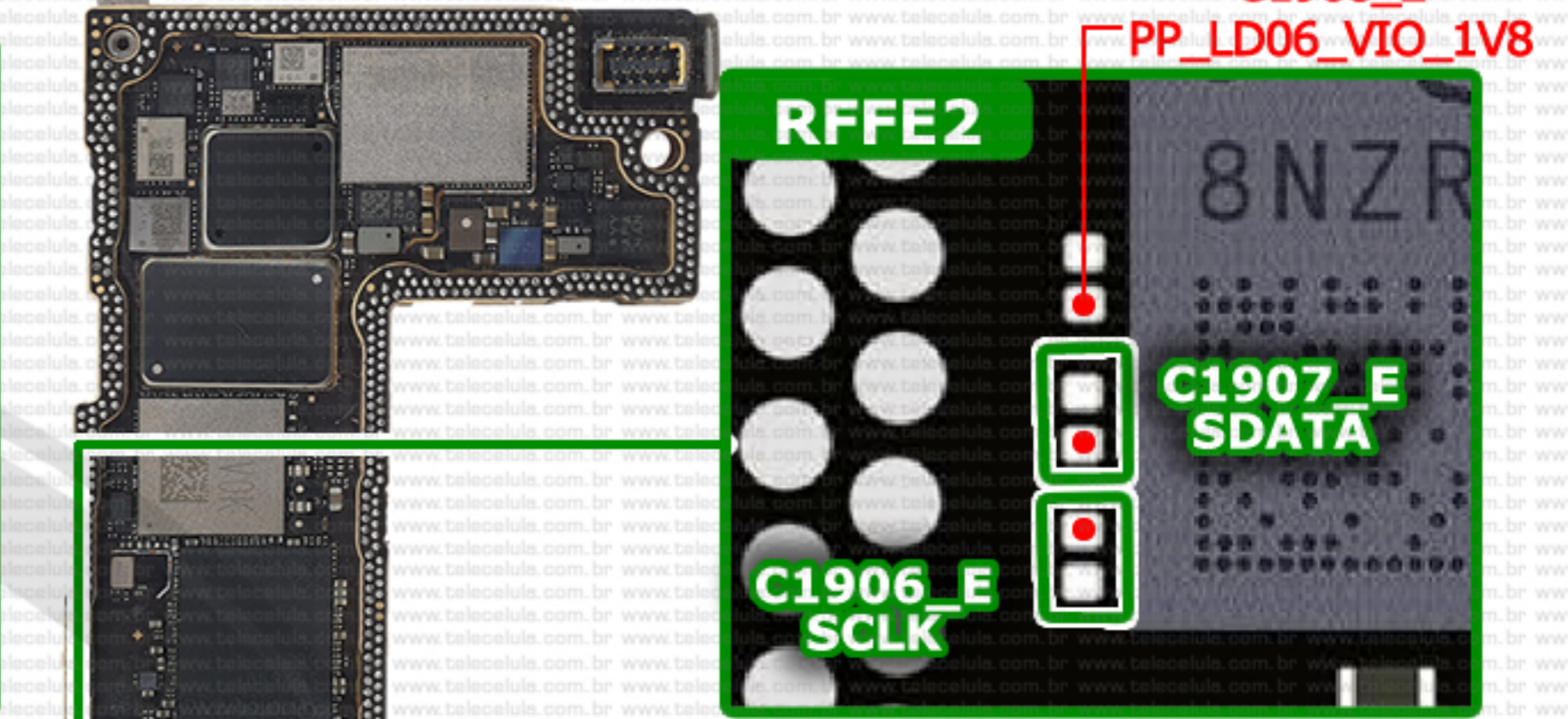
# RFFE - SDR

## IPHONE 12 / 12 PRO

### CLOSED BOARD



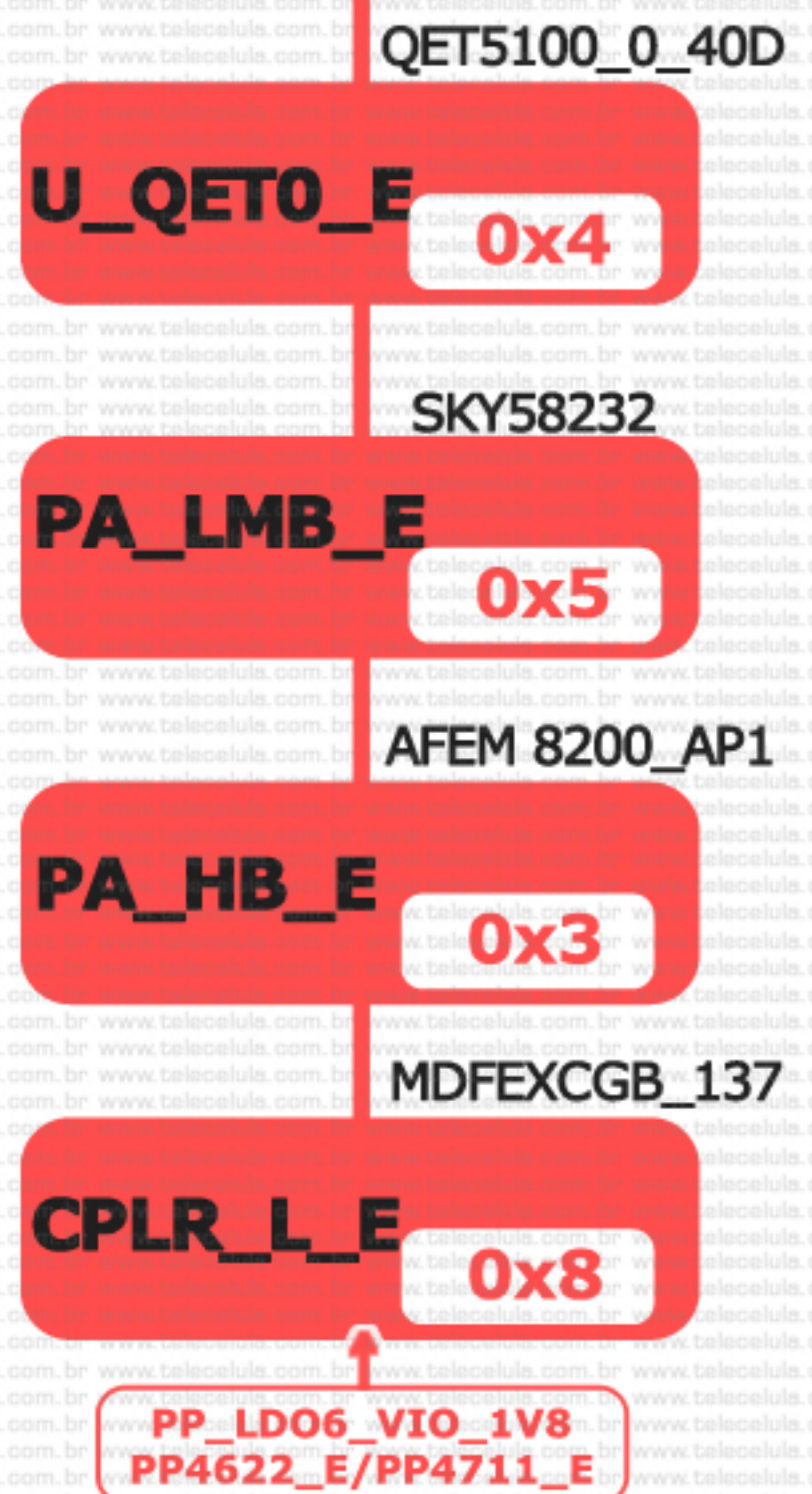
### OPEN BOARD



Necessary test points to read RFFE

- SCLK
  - SDATA
  - GND
  - 1V8
- LB: 2G  
MB: 3G  
HB: 4G  
N77/N79: 5G

### RFFE1\_SDR



### RFFE3\_SDR



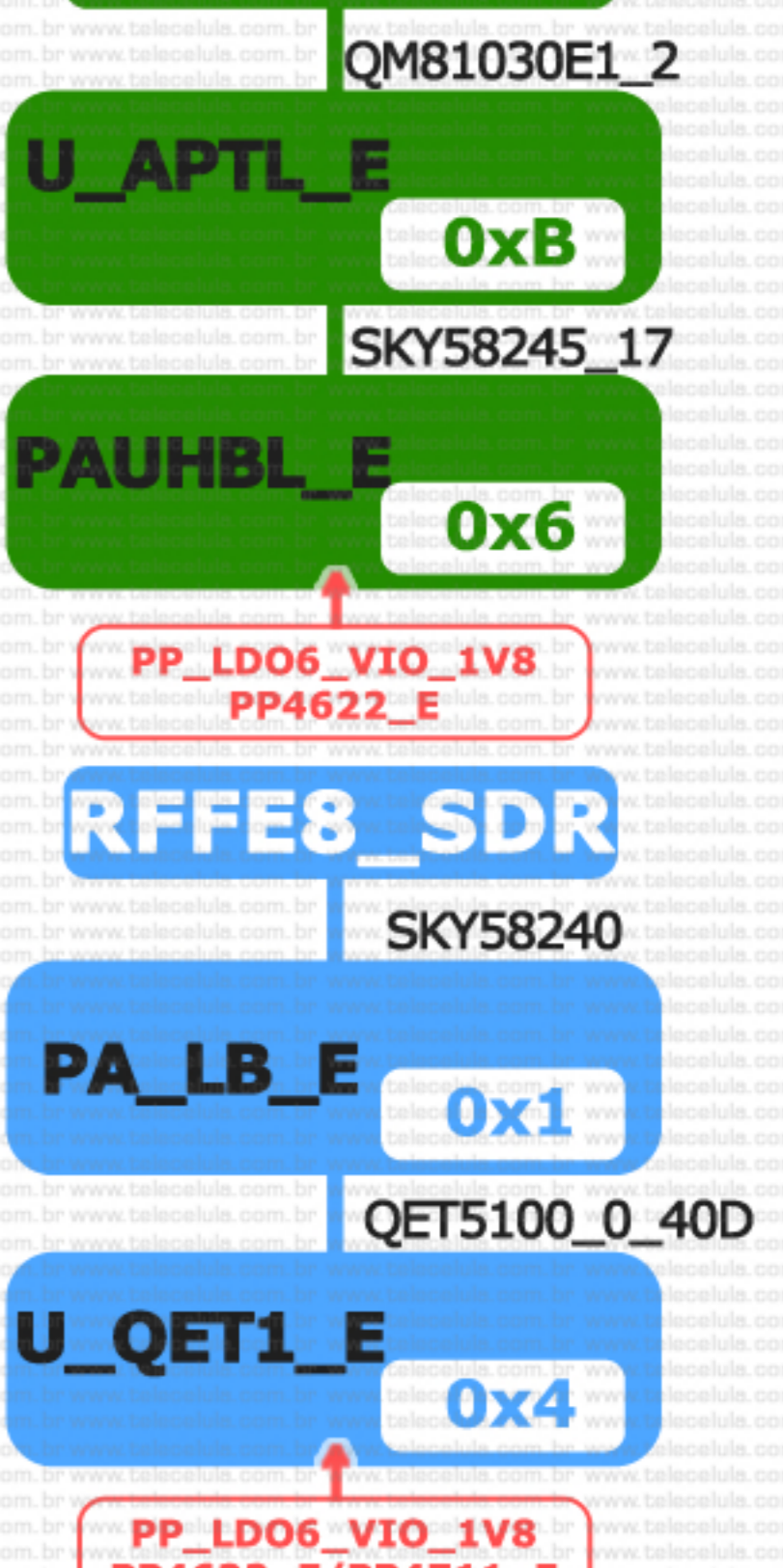
### RFFE5\_SDR



### RFFE7\_SDR

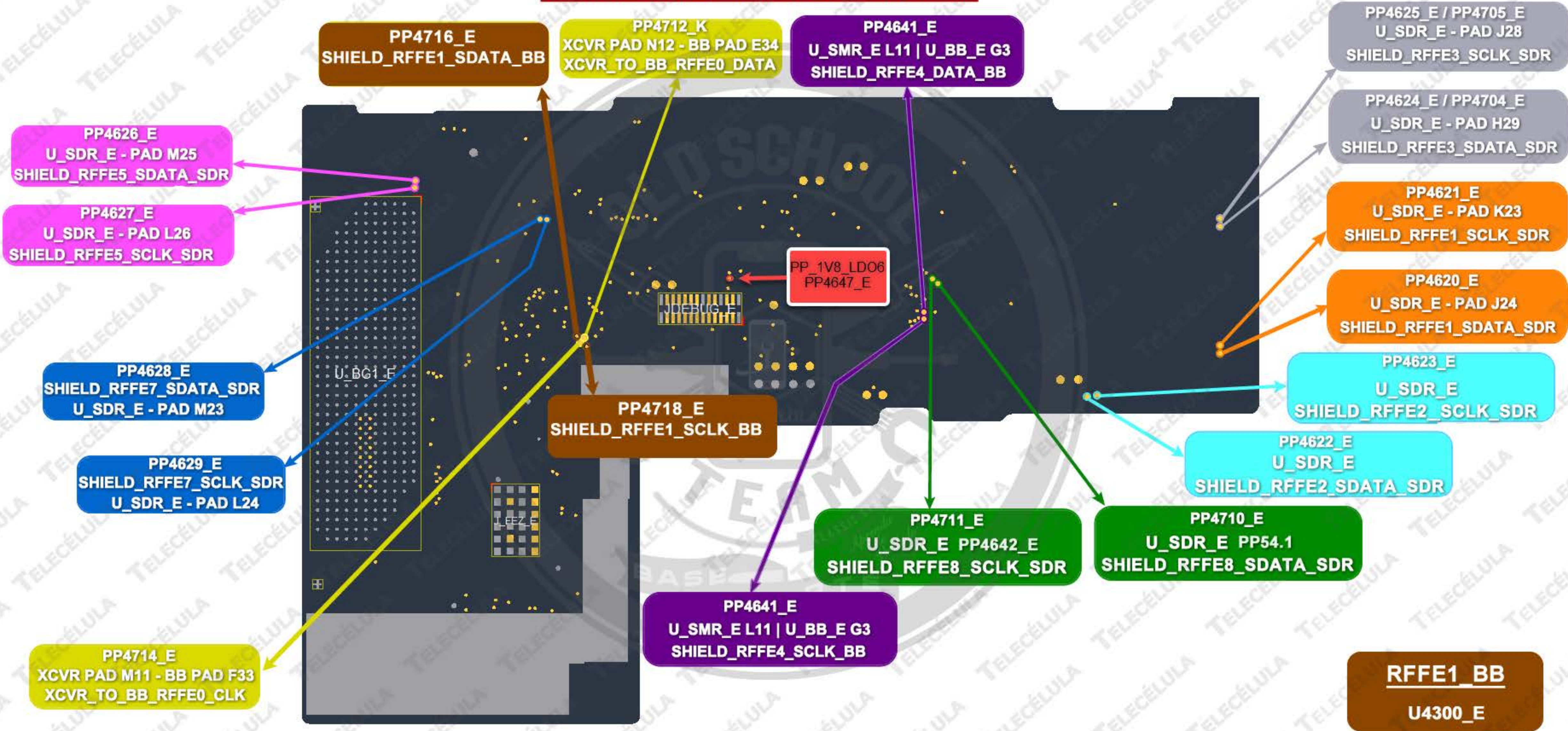


### RFFE2\_SDR



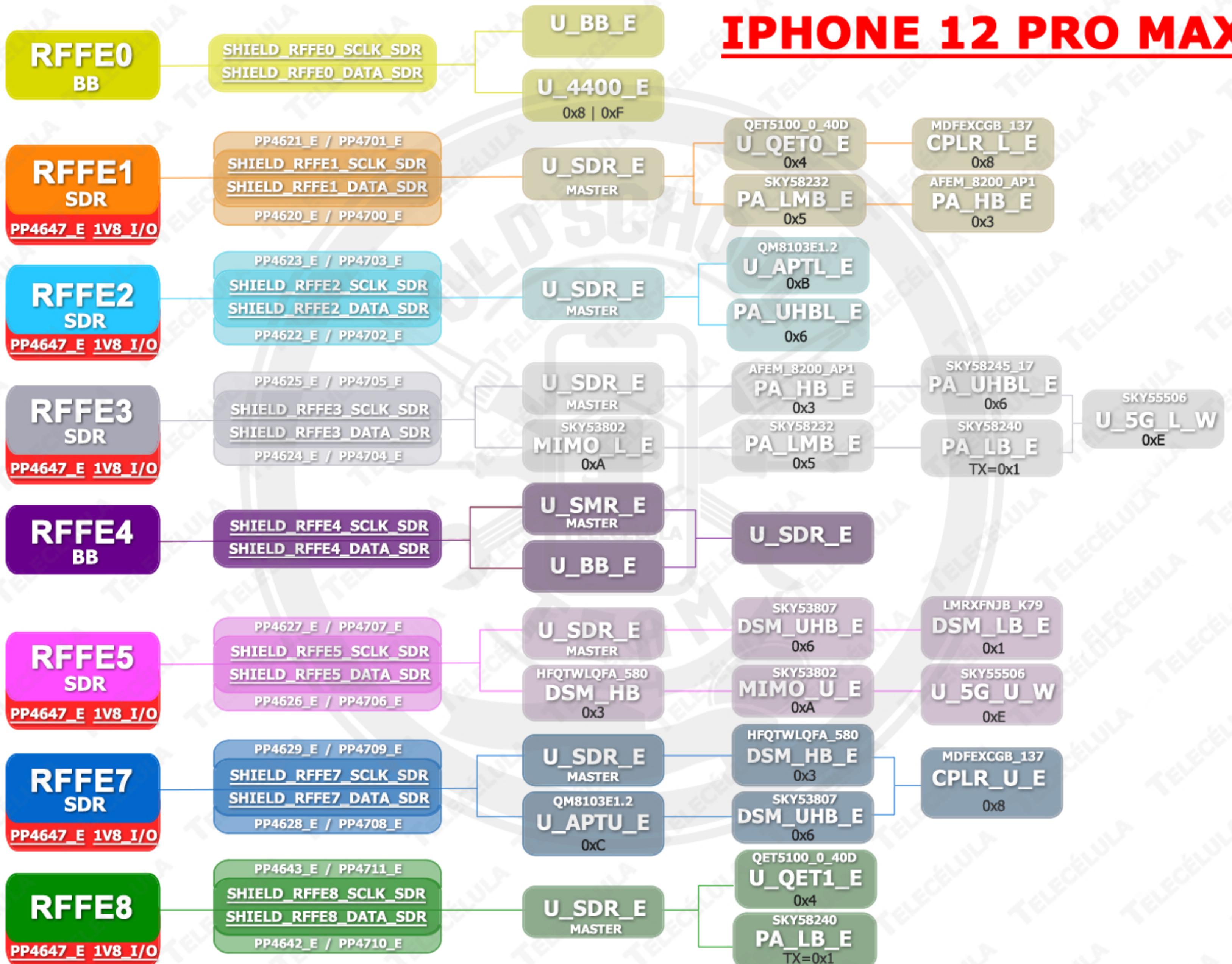


# SMARTBOARD - IPHONE 12 PRO MAX



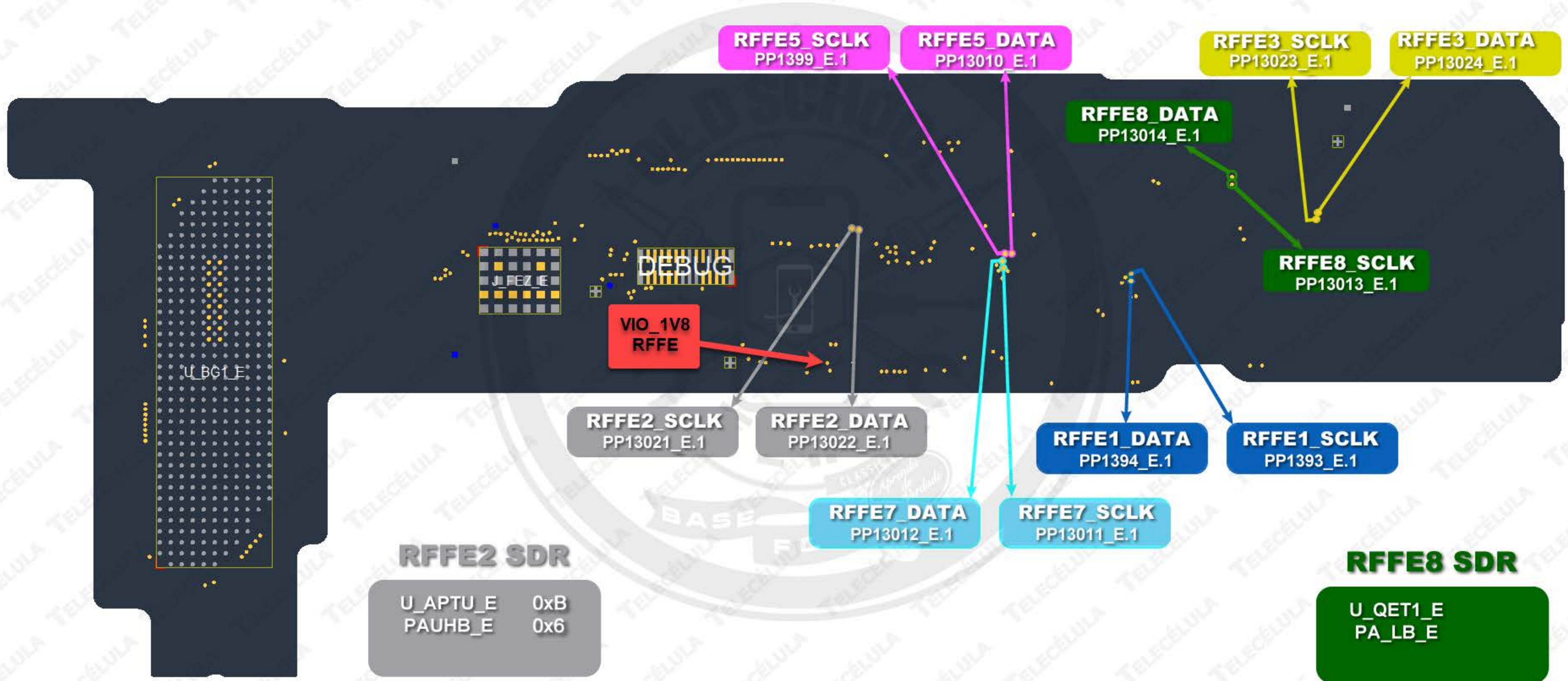


# IPHONE 12 PRO MAX





# SMARTBOARD - IPHONE 13



**RFFE2 SDR**

U_APTU_E	0xB
PAUHB_E	0x6

**RFFE8 SDR**

U_QET1_E	
PA_LB_E	

**RFFE1 SDR**

PA_HB_E	0x3
PA_2G_E	0x5
CPLR_L_E	0x8
U_QET0_E	0x4

**RFFE3 SDR**

PA_HB_E	0x3
PAUHB_E	0x6
MIMO_L_E	0xA
PA_LB_E	0x1
U_5G_L_W	0xE

**RFFE7 SDR**

UAPT_L_E	0xB
CPLR_U_E	0x8
DSM_HB_E	0x3

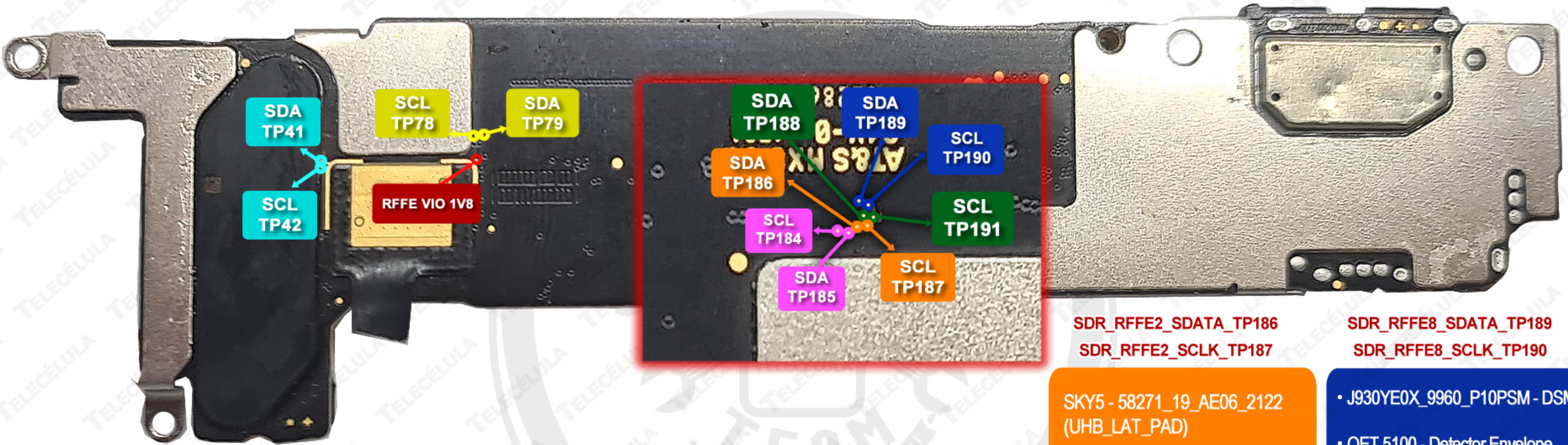
**RFFE5 SDR**

DSM_LB_E	0x1
DSM_HB_E	0x3
U_5G_U_W	0xE
MIMO_U_E	0xA
DSM_UHB_E	0x7



# IPHONE 13 MINI - RFFE SDR 868

MOUNTED BOARD



SDR\_RFFE2\_SDATA\_TP186  
SDR\_RFFE2\_SCLK\_TP187

SDR\_RFFE8\_SDATA\_TP189  
SDR\_RFFE8\_SCLK\_TP190

SKY5 - 58271\_19\_AE06\_2122 (UHB\_LAT\_PAD)  
BRY\_E037\_OVL4 - ET

• J930YE0X\_9960\_P10PSM - DSM  
• QET 5100 - Detector Envelope

RFFE VIO 1V8 - TP74

RFFE VIO 1V8 - TP74

SDR\_RFFE1\_SDATA\_TP188  
SDR\_RFFE1\_SCLK\_TP191

SDR\_RFFE3\_SDATA\_TP185  
SDR\_RFFE3\_SCLK\_TP184

SDR\_RFFE5\_SDATA\_TP41  
SDR\_RFFE5\_SCLK\_TP42

SDR\_RFFE7\_SDATA\_TP79  
SDR\_RFFE7\_SCLK\_TP78

• SKY5 - 7217\_7553\_2124 (PA-2G) - 0x5  
• AVAGO - 8215\_RL006\_KM122 (HB PA) - 0x3  
• QET 5100 - 0x4  
• AT - 10 - 0x8

• (TOP) 0611-7146-2123 - 0xE  
• AVAGO 8215\_RL006\_KM122-HBPA - 0x3  
• SKY5 140419 - 0xA  
• J930YE0X 9960\_P10PSM - DSM - 0x6  
• SKY5 58271-10-AE06 2122 - LBPA - 0x1

• 0611-2829-2123 (TOP) CI X11 - 0xE  
• SKY5\_53838\_17 - 3103273\_2125MX - UHB\_DSM - 0x7  
• AVAGO\_8225\_KM121 - DSM\_UHB\_E - 0x3  
• SKY5 14 04 19 - MIMO\_LOWER\_DSM - 0xA  
• K89 - DSM\_LB\_E - 0x3

• SKY5 53838\_17 3103273\_2125MX - UHB DSM - 0x3  
• BRY B057 OBOC - 0xB  
• SKY5 9723 0080 - TOP (CI X13) - 0x8

RFFE VIO 1V8 - TP74

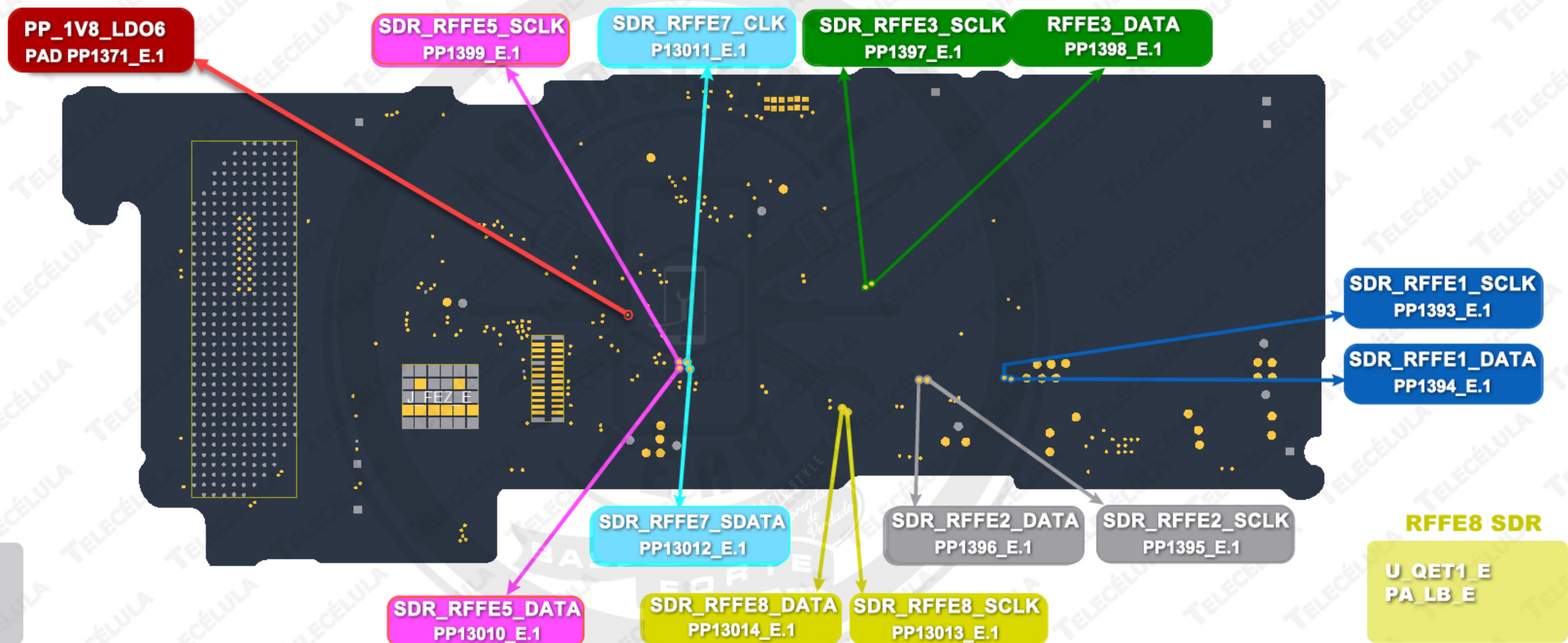
RFFE VIO 1V8 - TP74

RFFE VIO 1V8 - TP74

RFFE VIO 1V8 - TP74



# SMARTBOARD - IPHONE 13 PRO



**RFFE2 SDR**  
 PAUHBL\_E  
 U\_APTL\_E

**RFFE8 SDR**  
 U\_QET1\_E  
 PA\_LB\_E

**RFFE 1 SDR**

PA_HB_E	0x3	RFFE1_SDR
PA_LMB_2G_E	0x5	RFFE1_SDR
CPLR_L_E	0x8	RFFE1_SDR
U_QET0_E	0x4	RFFE1_SDR

**RFFE 3 SDR**

PA_HB_E	0x3	RFFE3_SDR
PA_UHB_L_E	0x6	RFFE3_SDR
MIMO_L_E	0xA	RFFE3_SDR
PA_LB_E	0x1	RFFE3_SDR
U_5G_L_W	0xE	RFFE3_SDR

**RFFE 7 SDR**

UAPT_L_E	0xB	RFFE7_SDR
CPLR_U_E	0x8	RFFE7_SDR
DSM_HB_E	0x3	RFFE7_SDR

**RFFE 5 SDR**

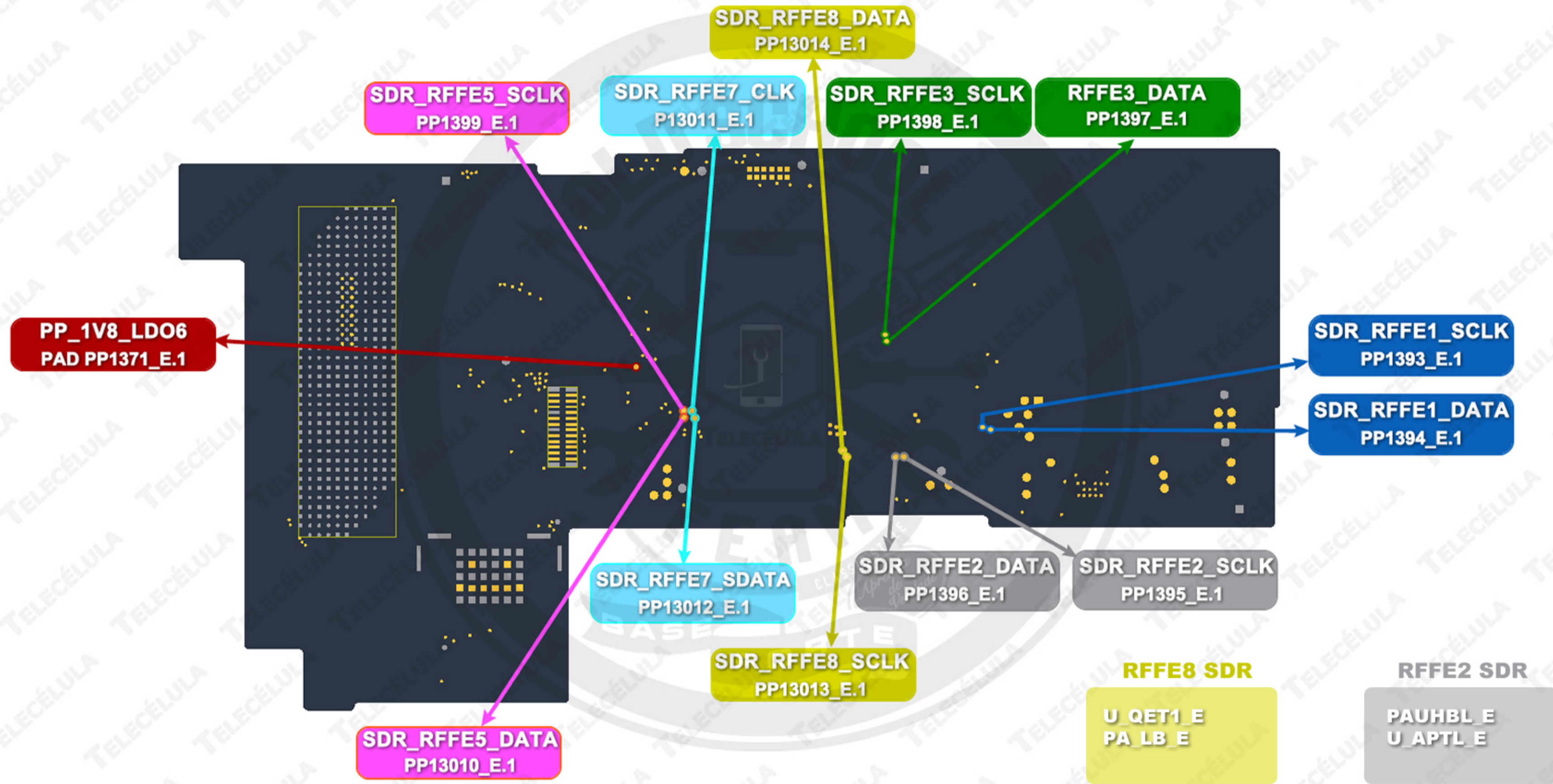
U_5G_U_W	0xE	RFFE5_SDR
DSM_UHB_E	0x7	RFFE5_SDR
DSM_LB_E	0x1	RFFE5_SDR
DSM_HB_E	0x3	RFFE5_SDR
MIMO_U_E	0xA	RFFE5_SDR

BOARD TOP

BOARD BOTTOM



# SMARTBOARD - IPHONE 13 PRO MAX



## RFFE 1 SDR

PA_HB_E	0x3	RFFE1_SDR
PA_2G_E	0x5	RFFE1_SDR
CPLR_L_E	0x8	RFFE1_SDR
U_QET0_E	0x4	RFFE1_SDR

## RFFE 3 SDR

PA_HB_E	0x3	RFFE3_SDR
PA_UHB_L_E	0x6	RFFE3_SDR
MIMO_L_E	0xA	RFFE3_SDR
PA_LB_E	0x1	RFFE3_SDR
U_5G_L_W	0xE	RFFE3_SDR

## RFFE 5 SDR

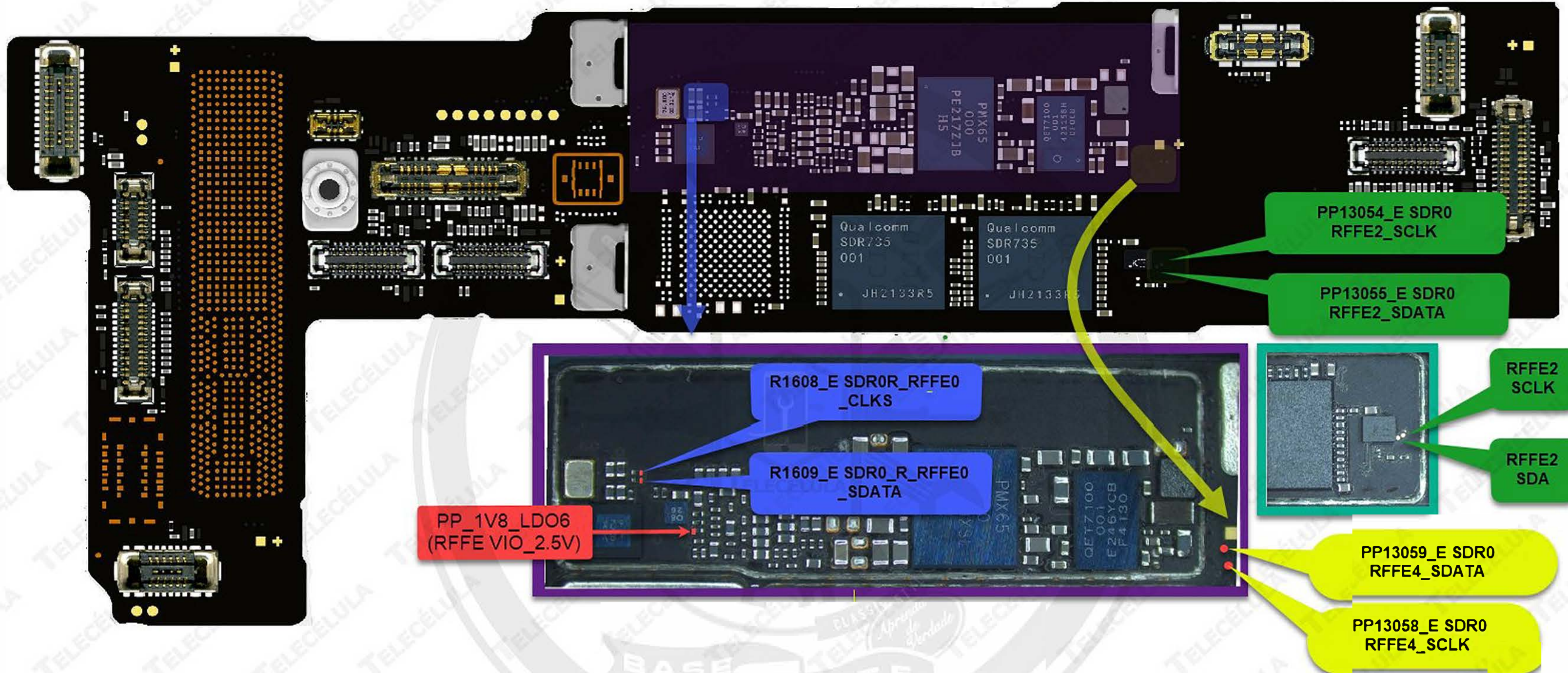
DSM_LB_E	0x3	RFFE5_SDR
DSM_HB_E	0x3	RFFE5_SDR
U_5G_U_W	0xE	RFFE5_SDR
MIMO_U_E	0xA	RFFE5_SDR
DSM_UHB_E	0x7	RFFE5_SDR

## RFFE 7 SDR

U_APTU_E	0xB	RFFE7_SDR
CPLR_U_E	0x8	RFFE7_SDR
DSM_HB_E	0x3	RFFE7_SDR



**SMARTBOARD- iPhone 14 / 14 Plus RFFE (MOUNTED BOARD - NEED REMOVE SHIELD).**



**SHIELD\_RFFE0\_SDATA\_SDR**

DSM_LB_E (L14)	0x1	(RF PART)
DSM_HB_E (SKY5-853-17)	0x3	(RF PART)
DSMUHB_E (AVAGO 82454)	0x7	(RF PART)
U_5G_U_W (0711)	0xE	(RF PART)
MIMO_U_E (SKY5-52315)	0xB	(RF PART)

R1609\_E SDA / R1608\_E SCL

**SHIELD\_RFFE4\_SDATA\_SDR**

DSM_HB_E (SKY5-853-17)	0x3	(RF PART)
U_APTU_E (D9AV)	0xB	(RF PART)
CPRL_E (SKY5-724)	0x8	(RF PART)

R1605\_E SDA / R1604\_E SCL

**SHIELD\_RFFE2\_SDATA\_SDR**

PA_HB_E (AVAGO 8231)	0x3/0xC	(AP PART)
CPRL_E (SKY5-724)	0x8	(RF PART)
U_QET1_E (QET7100)	0xD	(AP PART)

PP13055\_E R1613\_E SDA / PP13054\_E R1612\_E SCL

PP\_1V8\_LDO6  
(RFFE VIO\_2.5V)

R1608\_E SDR0\_R\_RFFE0  
\_CLKS

R1609\_E SDR0\_R\_RFFE0  
\_SDATA

PP13054\_E SDR0  
RFFE2\_SCLK

PP13055\_E SDR0  
RFFE2\_SDATA

RFFE2  
SCLK

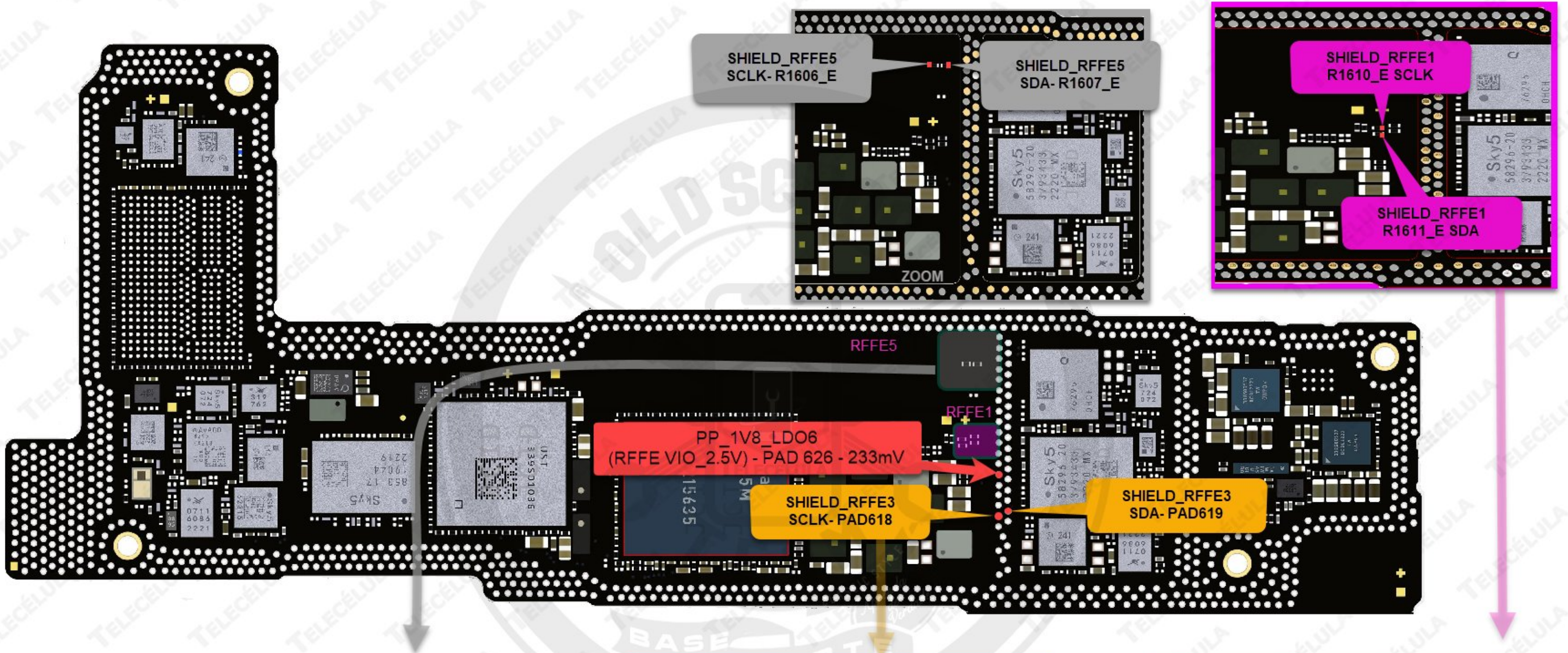
RFFE2  
SDA

PP13059\_E SDR0  
RFFE4\_SDATA

PP13058\_E SDR0  
RFFE4\_SCLK



**SMARTBOARD- iPhone 14 / 14 Plus RFFE RF BOARD ONLY (OPEN BOARD) PART-1.**



**SHIELD\_RFFE5\_SDATA\_SDR (PARTE -1)**

PAUHBL_E (76295)	0x6	(RF PART)
PA_LB_E (SKY5-58296-20)	0x1	(RF PART)
U_5G_L_W (0711-6086)	0xE	(RF PART)

R1607\_E - PAD594 SDA  
R1606\_E - PAD592 SCL

**SHIELD\_RFFE3\_SDATA\_SDR (PARTE -1)**

PA_LB_E (SKY5-58296-20)	0xC	(RF PART)
U_QET0_E (QET7100)	0xD	(RF PART)

PAD619 SDA  
PAD618 SCL

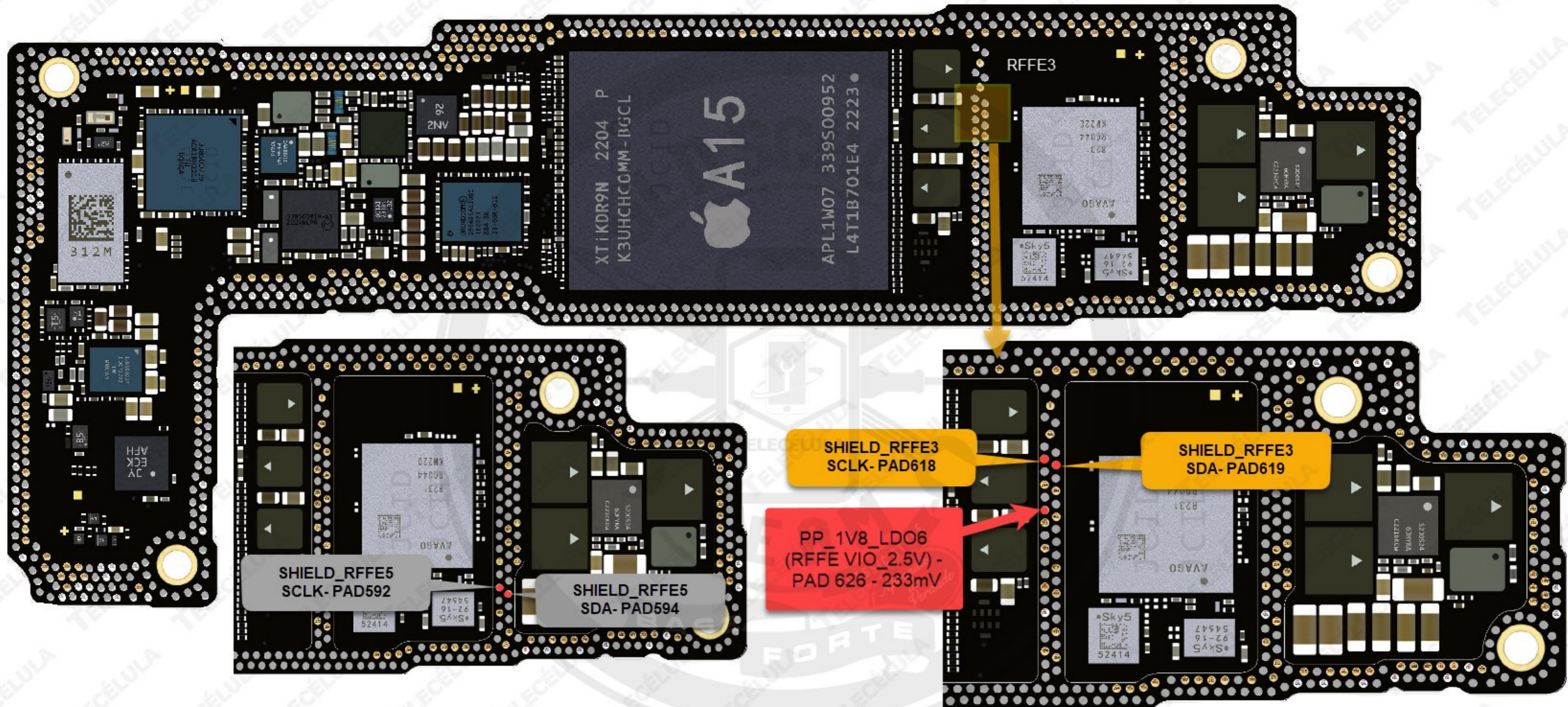
**SHIELD\_RFFE1\_SDATA\_SDR**

PAUHBL_E (76295)	0x6	(RF PART)
------------------	-----	-----------

R1611\_E SDA  
R1610\_E SCL



**SMARTBOARD- iPhone 14 / 14 Plus RFFE RF BOARD ONLY (OPEN BOARD) PART-2.**



SHIELD\_RFFE5\_SDATA\_SDR (PARTE -2)  
 MIMO\_L\_E (SKY5-52414) 0xA (AP PART)  
 PA\_HB\_E (AVAGO 8231) 0x3 (AP PART)  
 PAD 594 SDA  
 PAD 592 SCL

SHIELD\_RFFE3\_SDATA\_SDR (PARTE -2)  
 PA\_2G\_E (SKY5-9216) 0x5 (AP PART)  
 PAD 619 SDA  
 PAD 618 SCL







SMARTBOARD - IPHONE 14 PRO/ 14 PRO MAX - VIO



14 PRO E 14 PRO MAX

PP\_VIO RFFE

T741

T742

T743



# IPHONE 14 PRO MAX (RFFE - SDR)

## RFFE-1 SDR

## RFFE-3 SDR

## RFFE-7 SDR

### RFFE-1

SDA

SDA

SCL

SCL

SCL

SDA

SCL

SCL

SDA

SDA

### RFFE-6 SDR

### RFFE-1

PA UHB (U232)  
IF IC (U233)

### RFFE-4

X550 - SKY5 724 866  
X239\_1 - DP08  
U0590 - SKY 853-17 25068 2225

### RFFE-0 SDR

### RFFE-2 SDR

### RFFE-3 SDR

### RFFE-5 SDR

MIMO\_U\_E 0xA RFFE7\_SDR  
DSM\_UHB 0x7 RFFE7\_SDR  
DSM\_HB\_E 0x3 RFFE5\_SDR  
DSM\_LB\_E 0x1 RFFE7\_SDR  
U\_5G\_U\_W 0xE RFFE7\_SDR

PA\_HB\_E 0x3 RFFE1\_SDR  
U\_QET0\_E 0x4 RFFE1\_SDR  
CPLR\_L\_E 0x8 RFFE1\_SDR

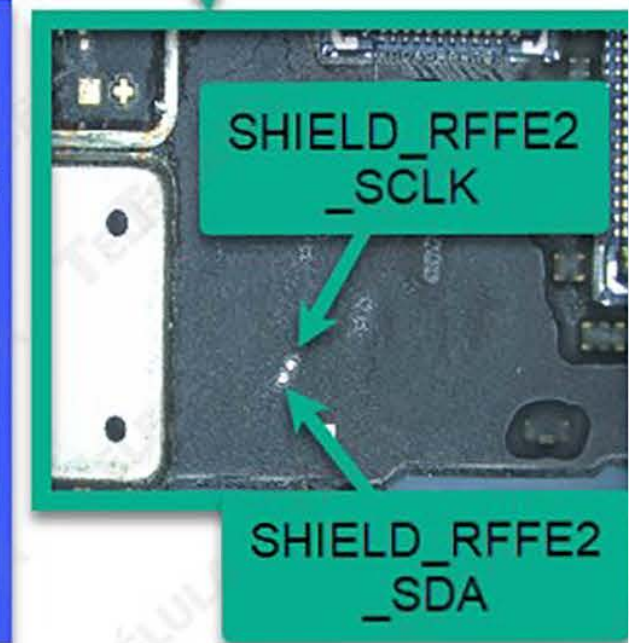
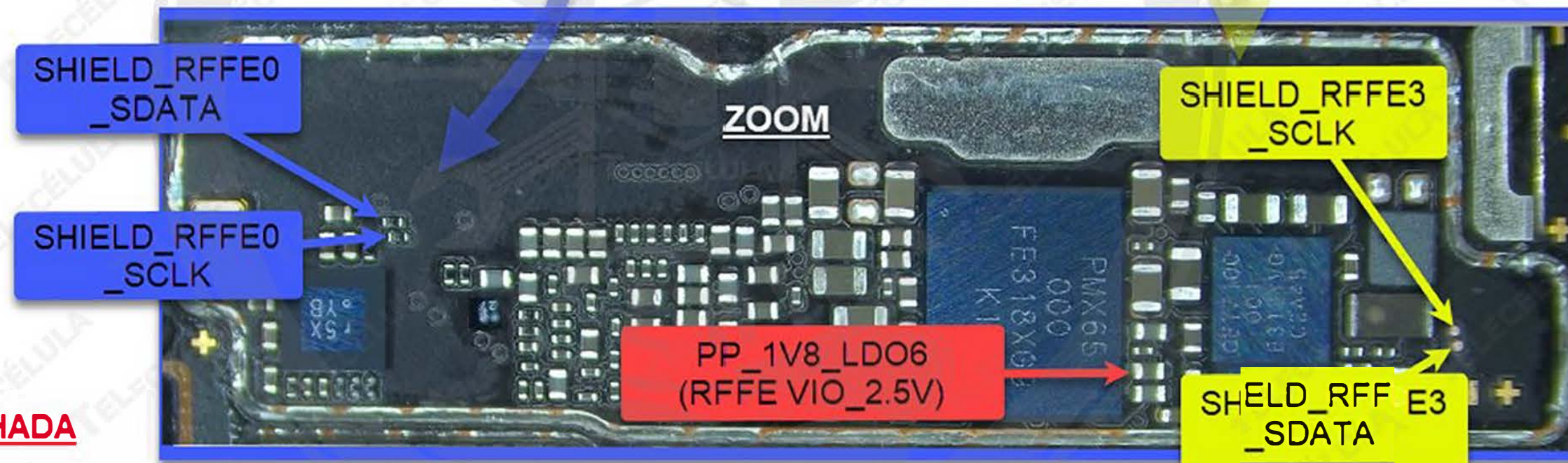
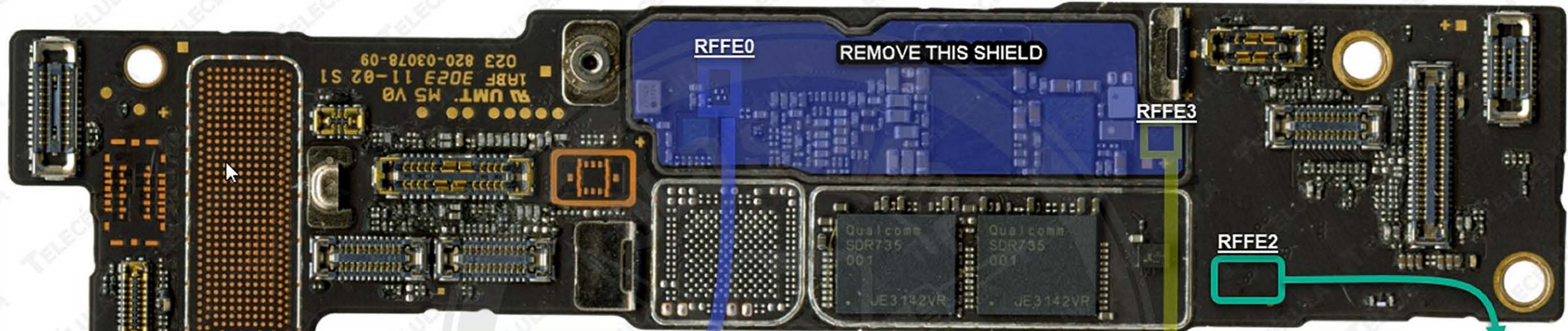
PA\_LMB 0x5 RFFE6\_SDR  
PA\_LB\_E 0x1 RFFE6\_SDR  
QET\_1 0x4 RFFE6\_SDR

MIMO\_L\_E 0xA RFFE3\_SDR  
PA\_LB\_E 0x1 RFFE3\_SDR  
U\_5G\_L\_W 0xE RFFE3\_SDR  
PA\_HB\_E 0x3 RFFE3\_SDR  
PA\_UHB\_L\_E 0x6 RFFE3\_SDR

*pura repair mobile*



**SMARTBOARD- iPhone 15 / 15 Plus RFFE (MOUNTED BOARD - NEED REMOVE SHIELD).**



**CLOSED BOARD / PLACA FECHADA**

**SHIELD\_RFFE0\_SDATA\_SDR**

U_TXDSM_E (SKY5-0313-9392)	0x3	(RF PART)
U_MDSM_U_E (SKY5-04314)	0xA	(RF PART)
U_LBDSM_E (L14)	0x1	(RF PART)
U_5G_U_W (0711-8418)	0xE	(RF PART)
*U_UHBDSM_E (AVAGO 8245)	0x7	(RF PART)

R1509 E SDA / R1508 E SCL

**SHIELD\_RFFE2\_SDATA\_SDR**

U_CPLR1_E (155)	0x8	(RF PART)
U_QET1_E (QET7100)	0xD/0x4	(AP PART)
U_PA_HB_E (AFEM 8233/8234)	0x3	(AP PART)

PP13055 E SDATA / PP13054 E SCL

**SHIELD\_RFFE3\_SDATA\_SDR**

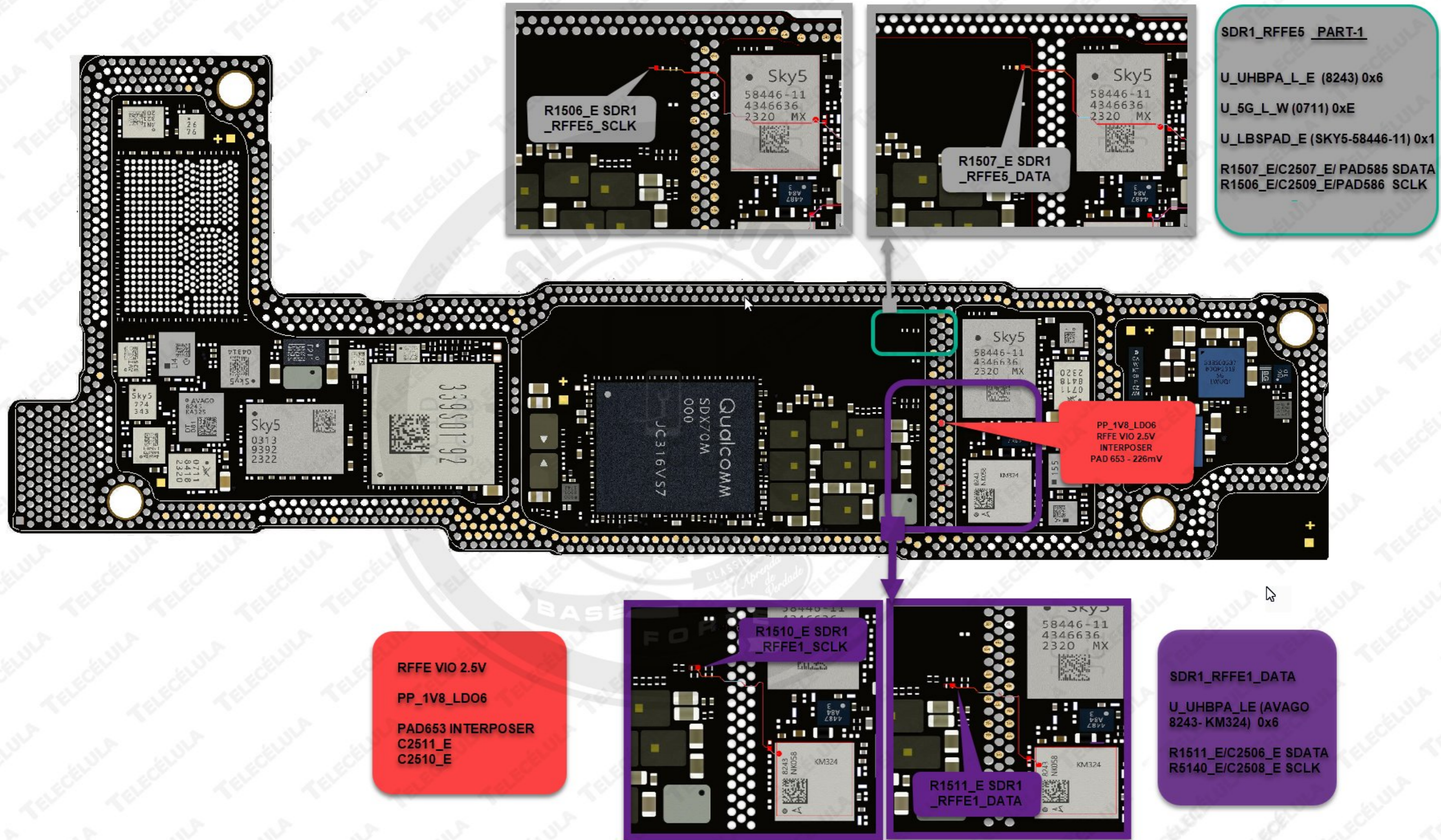
PA_2G_E (SKY5 8292-11)	0x5	(AP PART)
U_ETIC0_E (QET7100)	0x4	(RF PART)
U_LBSPAD_E (SKY5 58446-11)	0x1	(RF PART)

PP13057 E SDATA / PP13056 E SCL



# BOARD RF

## SMARTBOARD- iPhone 15 / 15 Plus RFFE (ONLY OPEN BOARD).



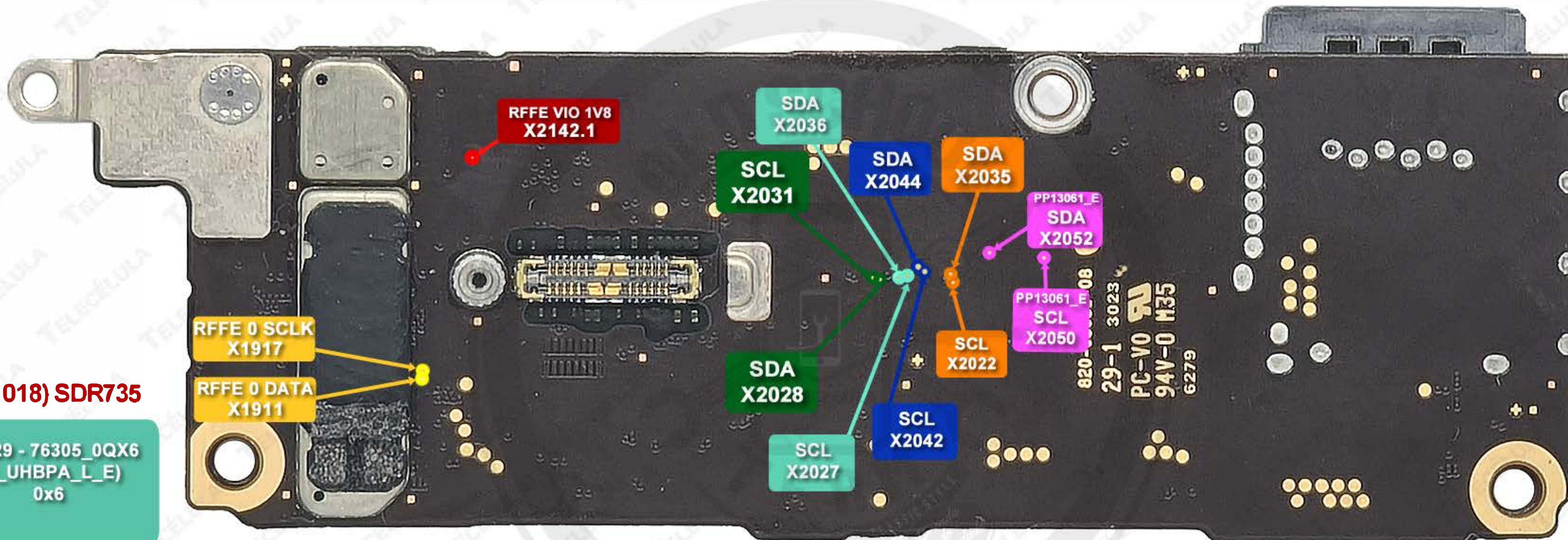






# IPHONE 15 PRO / 15 PRO MAX

MOUNTED BOARD



**(U1018) SDR735**

U1029 - 76305\_0QX6  
(U\_UHBPA\_L\_E)  
0x6

**SDR1\_RFFE1**

U1035-8249\_TM025\_KA324\_  
(U\_UHBPA\_U\_E) 0xB  
U1004 - SKY5\_04516  
(U\_MDSM\_U\_E)  
X10011 - 151 (U\_7G\_U\_W)  
U1010 - I14 (U\_LBDSM\_E) - 0x1  
U1003 - SKY5\_031324452320  
(U\_TXDSM\_E) - 0x3

**SDR1\_RFFE0**

U1025\_SKY5 8446  
(U\_LBSPAD\_E) - 0x1  
U1026\_SKY5 921682692  
(PA\_2G\_E) - 0x5  
U1032\_QET7100 (U\_ETIC0\_E)  
(DETECTOR ENVELOPE) - 0x4

**SDR1\_RFFE3**

U1001\_SKY5 724-702  
(U\_CPLRU1\_E)  
U1003\_SKY5 031324452320  
(TXDSM\_E) - 0x3  
U1035\_8249\_TM025\_KA324\_  
(U\_UHBPA\_U\_E) - 0xB  
U1011 - F0CZ (U\_APTU\_E)

**SDR1\_RFFE4**

U1031\_155  
(U\_CPLRL1\_E)- 0x8  
U1021\_QET7100  
(U\_ETIC1\_E) - 0x4  
U1023\_AVAGO 8234  
(U\_HBSPAD\_E) - 0x3

**SDR1\_RFFE2**

U1023 - AVAGO 8234 - 0x3  
(U\_HBSPAD\_E)  
U1024 - SKY5 04516 - 0xA  
(U\_MDSM\_L\_E)  
U1025 - SKY5 58446-11-FEM - 0x1  
(U\_LBSPAD\_E)  
U1029 - 76305-0QX6 - 0x6  
(U\_UHBPA\_L\_E)  
X10802 (TOP BOARD) 0xE  
(U\_7G\_L\_W)

**SDR1\_RFFE5**