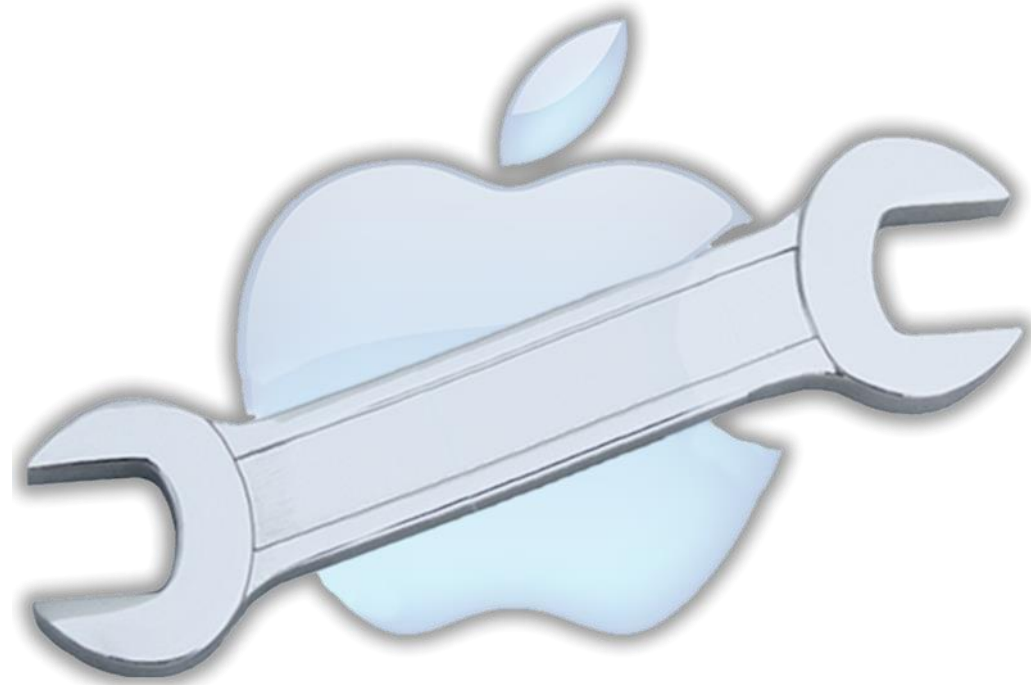


Force DFU Mode



Agora é possível forçar os iDevices a entrar em Force DFU!

07/03/2024

Force DFU Mode

O que é FORCE DFU?

É efetuar o test point nos pontos indicados para que o aparelho seja forçado a reconhecer em DFU mode, mesmo se ele não reconheça no modo normal de acessar DFU, condições ideias para forçar a entrada em Force DFU:

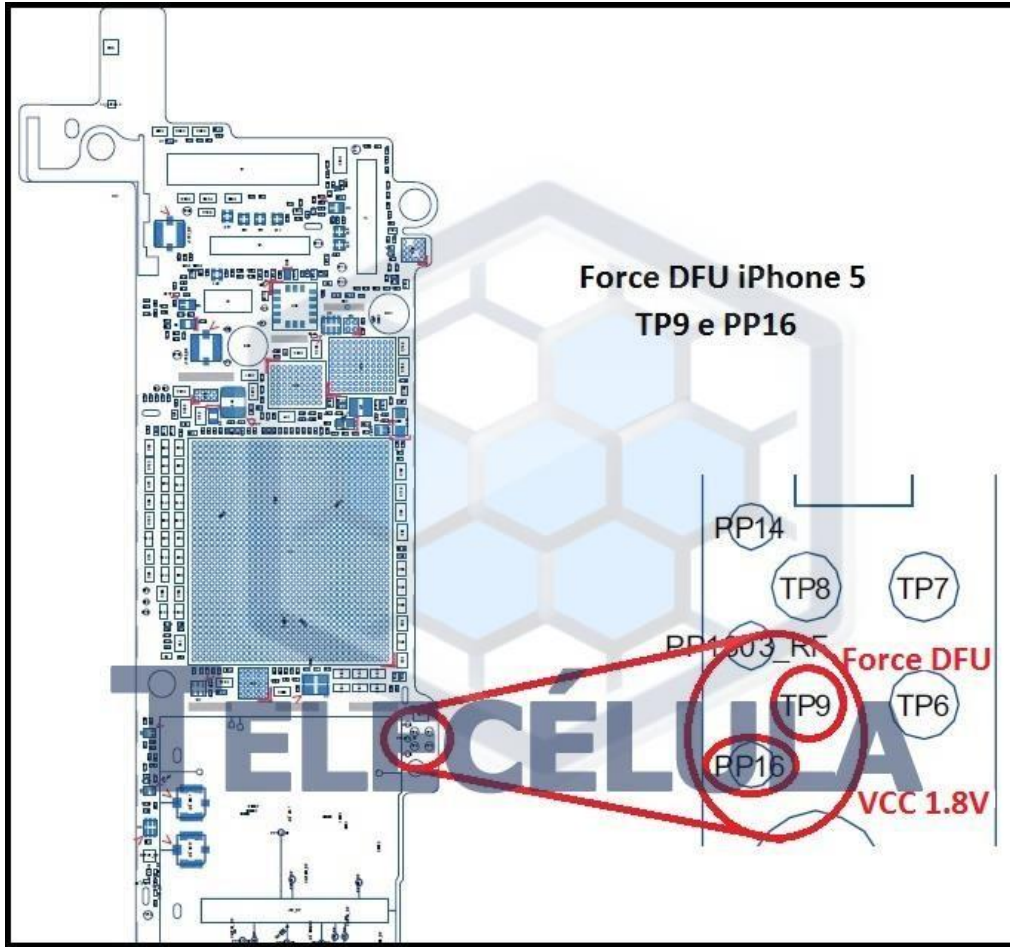
1. Não liga com baixo consumo ao pressionar pwr.
2. Não acessa modo DFU pelos botões.
3. Não é reconhecido em nenhum modo pelos botões.

Force DFU Mode

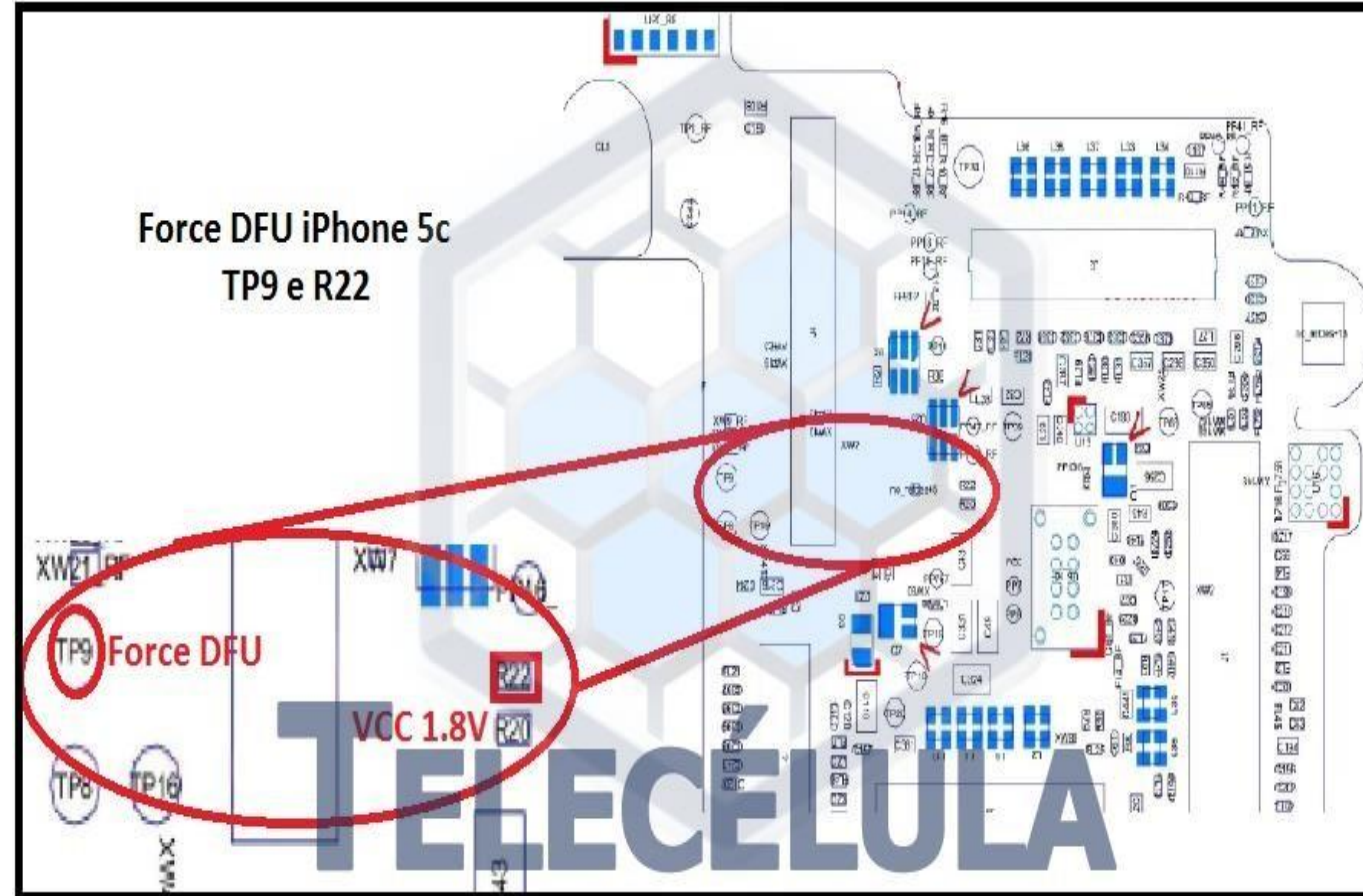
Como fazer o modo FORCE DFU?

1. Fechar os pontos indicados nos slides a seguir, um ponto ao outro (pinça ou jumper). Obs: placa desmontada sem energização.
2. Conectar o aparelho na alimentação (bateria) e conectar o cabo de dados ligado ao computador.
3. Ao reconhecer em modo DFU, desconectar o test point e prosseguir com a restauração normalmente.

Force DFU iPhone 5

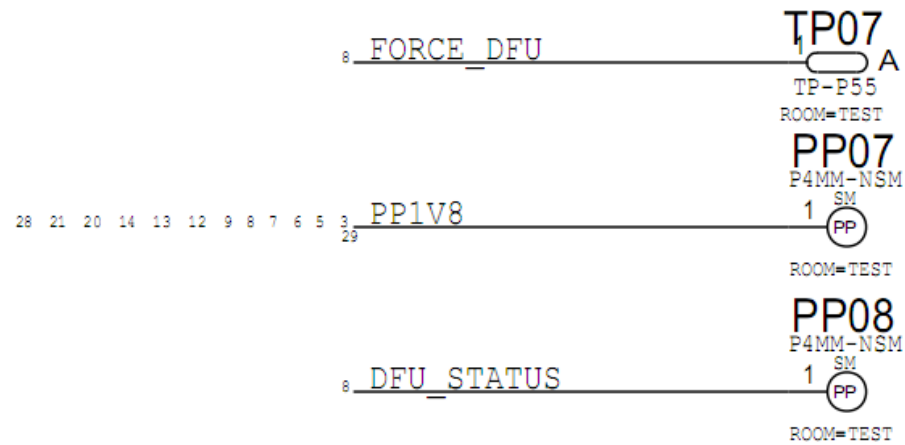


Force DFU iPhone 5C



Force DFU iPhone SE

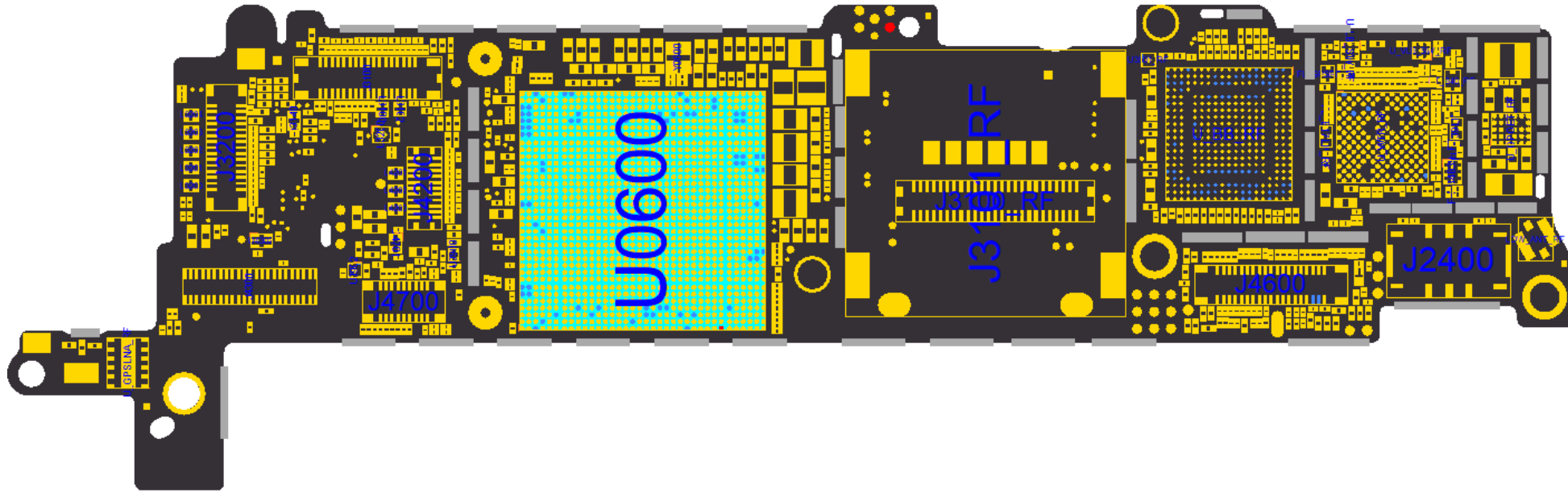
DFU



FORCE DFU PROCEDURE:

1. FROM OFF MODE SHORT TP07 TO PP07
2. PLUG IN E75 CABLE TO FORCE DFU

Force DFU iPhone SE



APPLE IPHONE SE

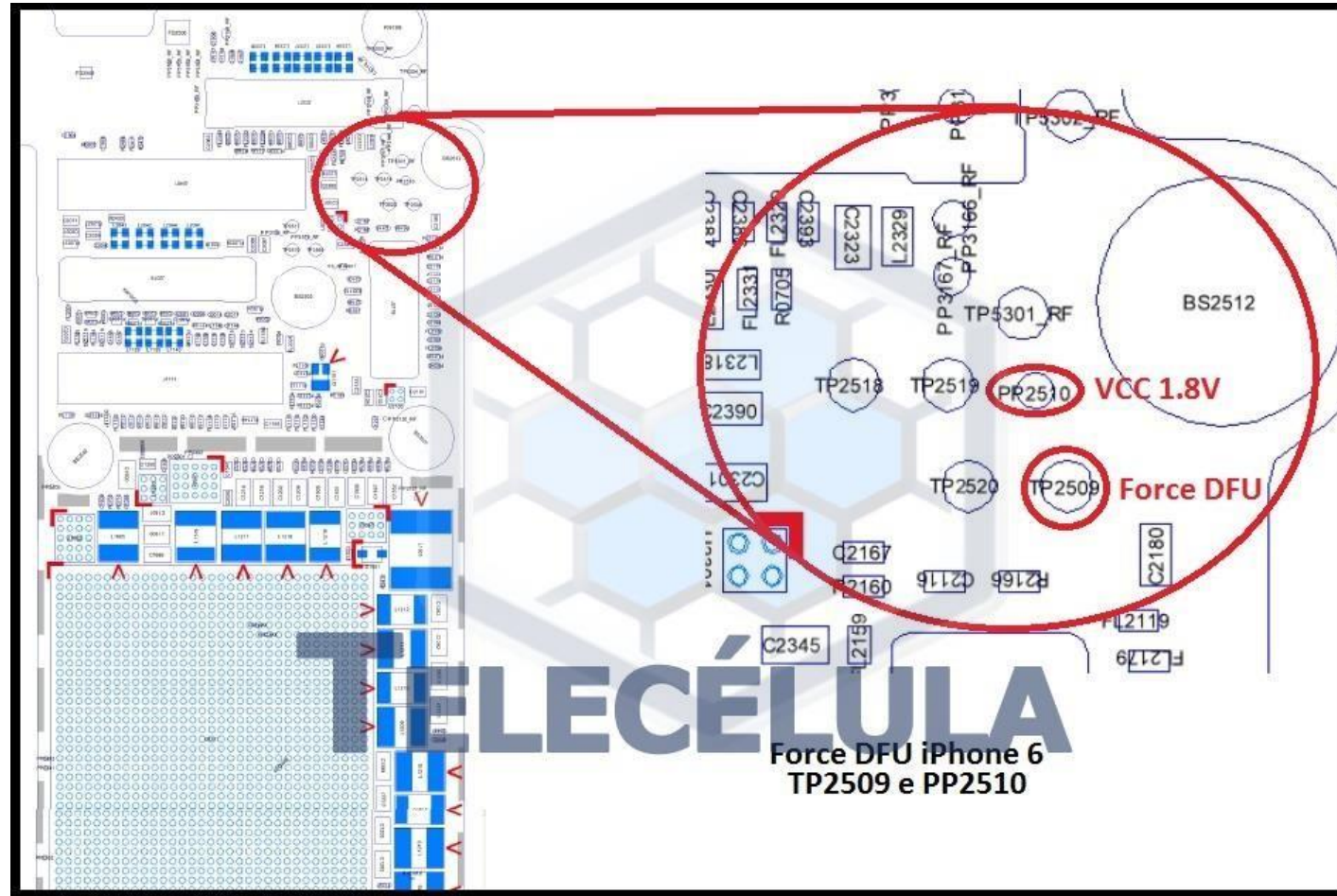
FORCE DFU



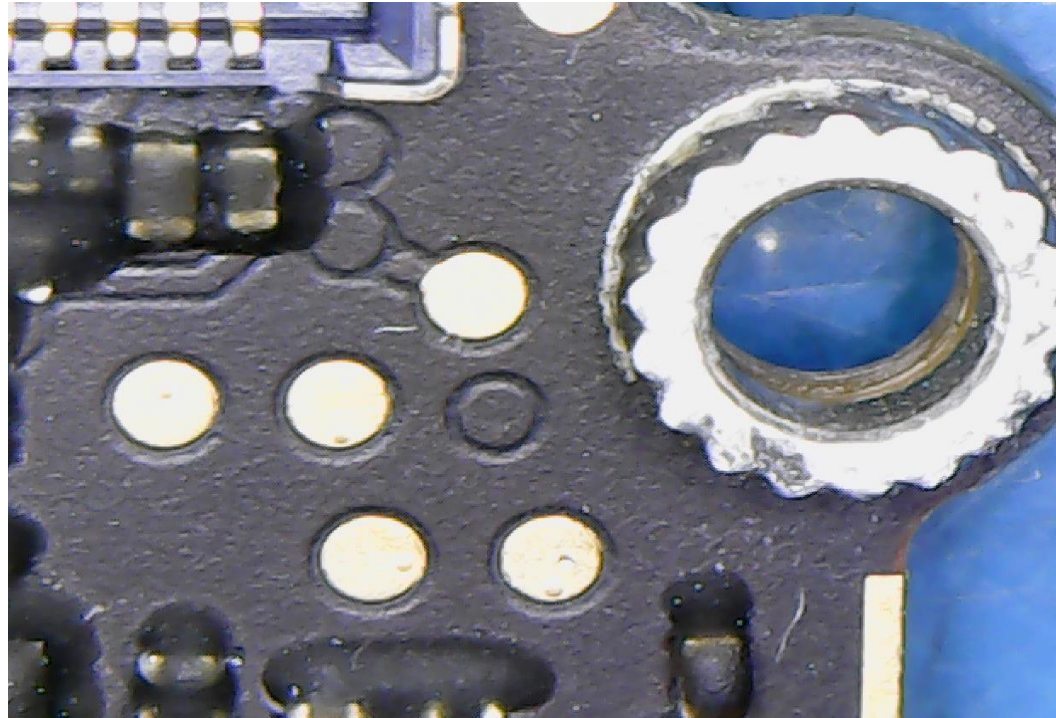
820-3141-C



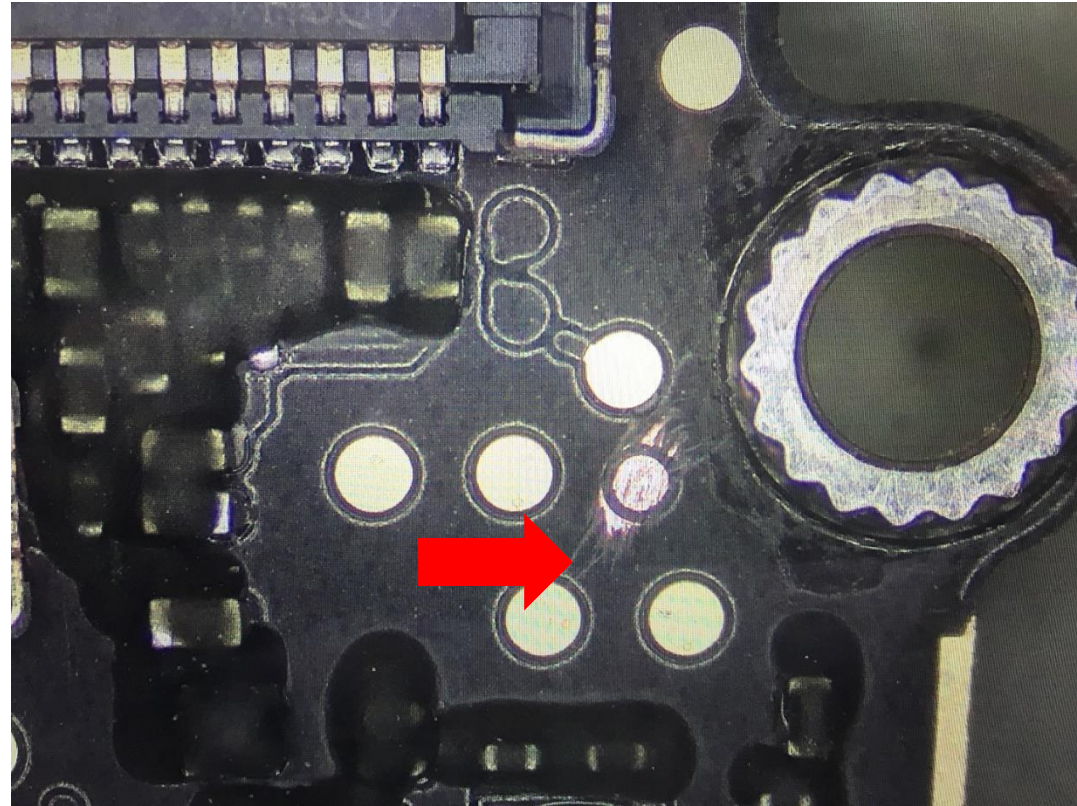
Force DFU iPhone 6



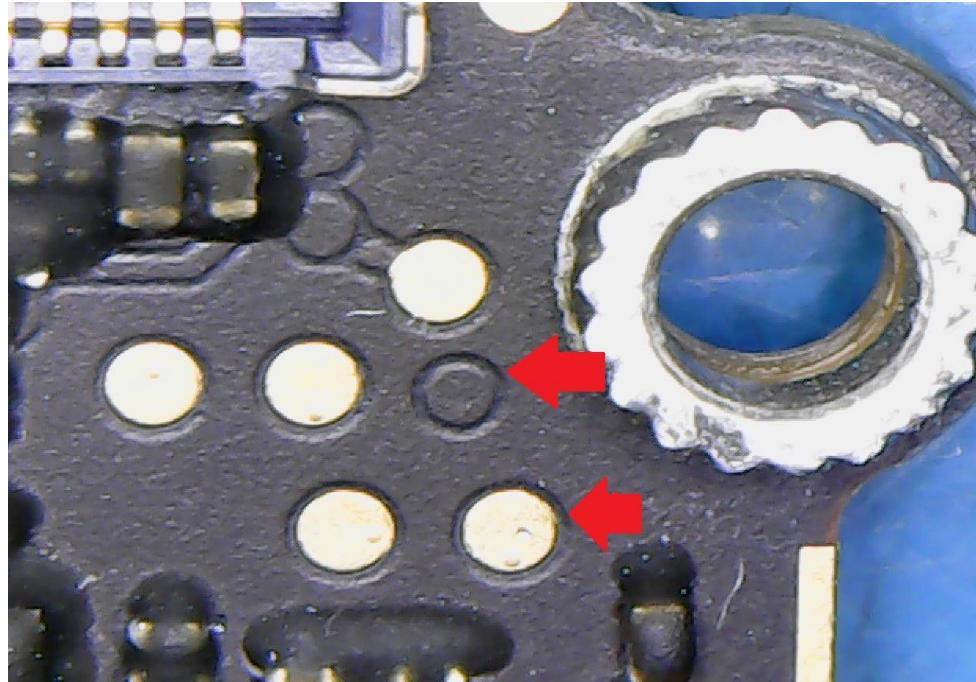
Force DFU iPhone 6 PCB



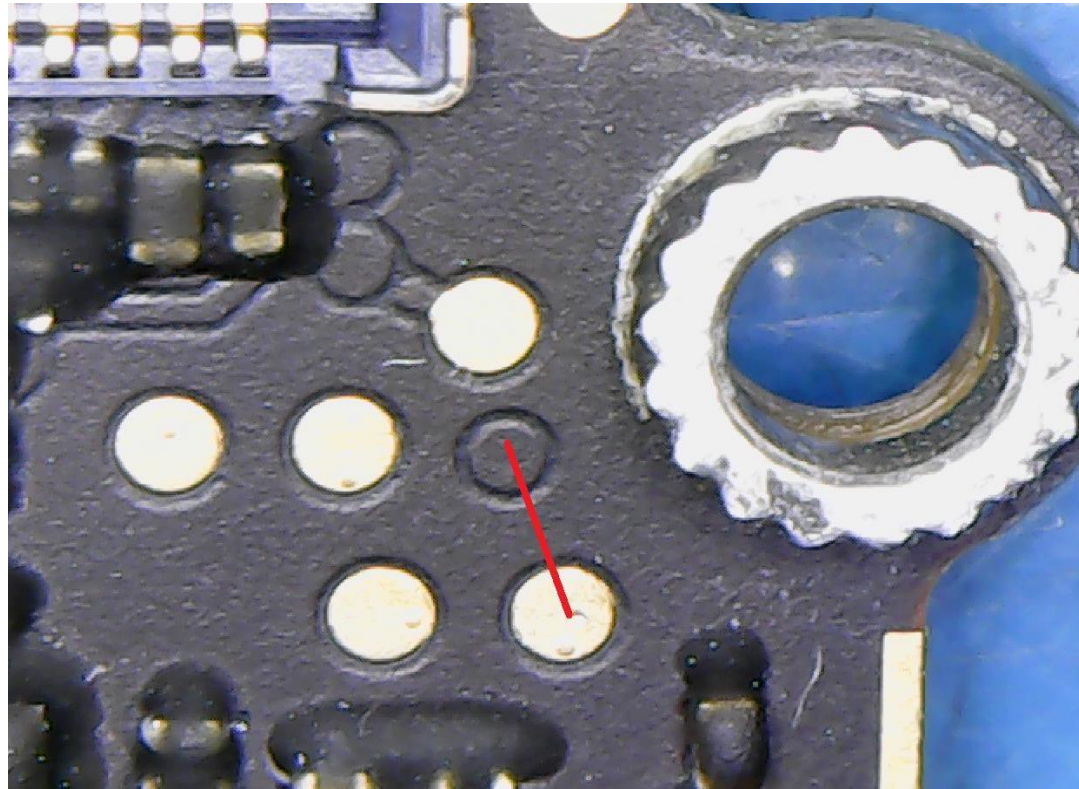
Force DFU iPhone 6 PCB



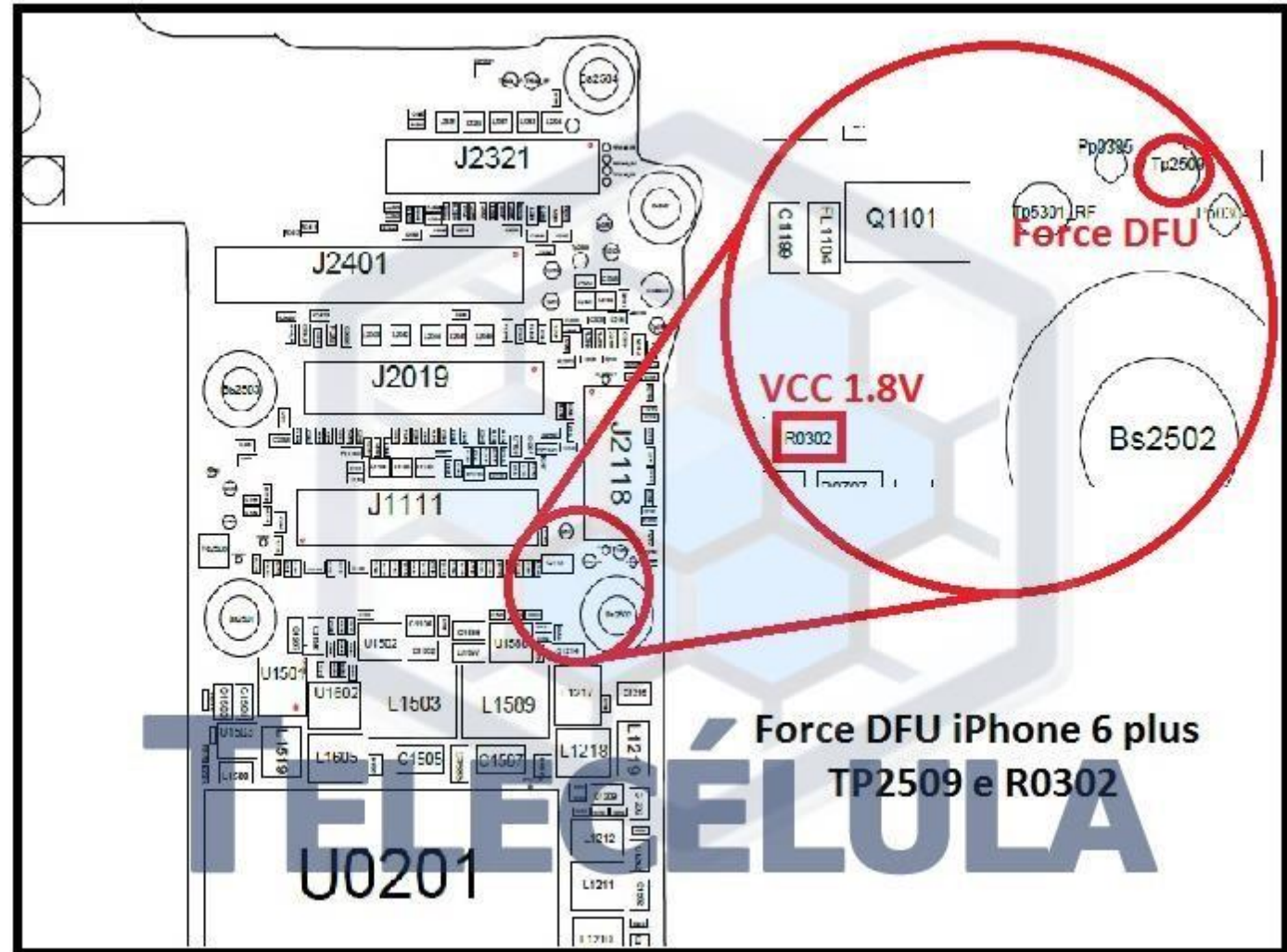
Force DFU iPhone 6 PCB



Force DFU iPhone 6

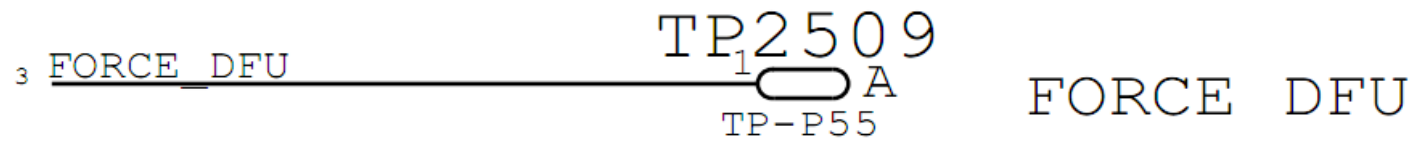


Force DFU iPhone 6 Plus



Force DFU iPhone 6 Plus

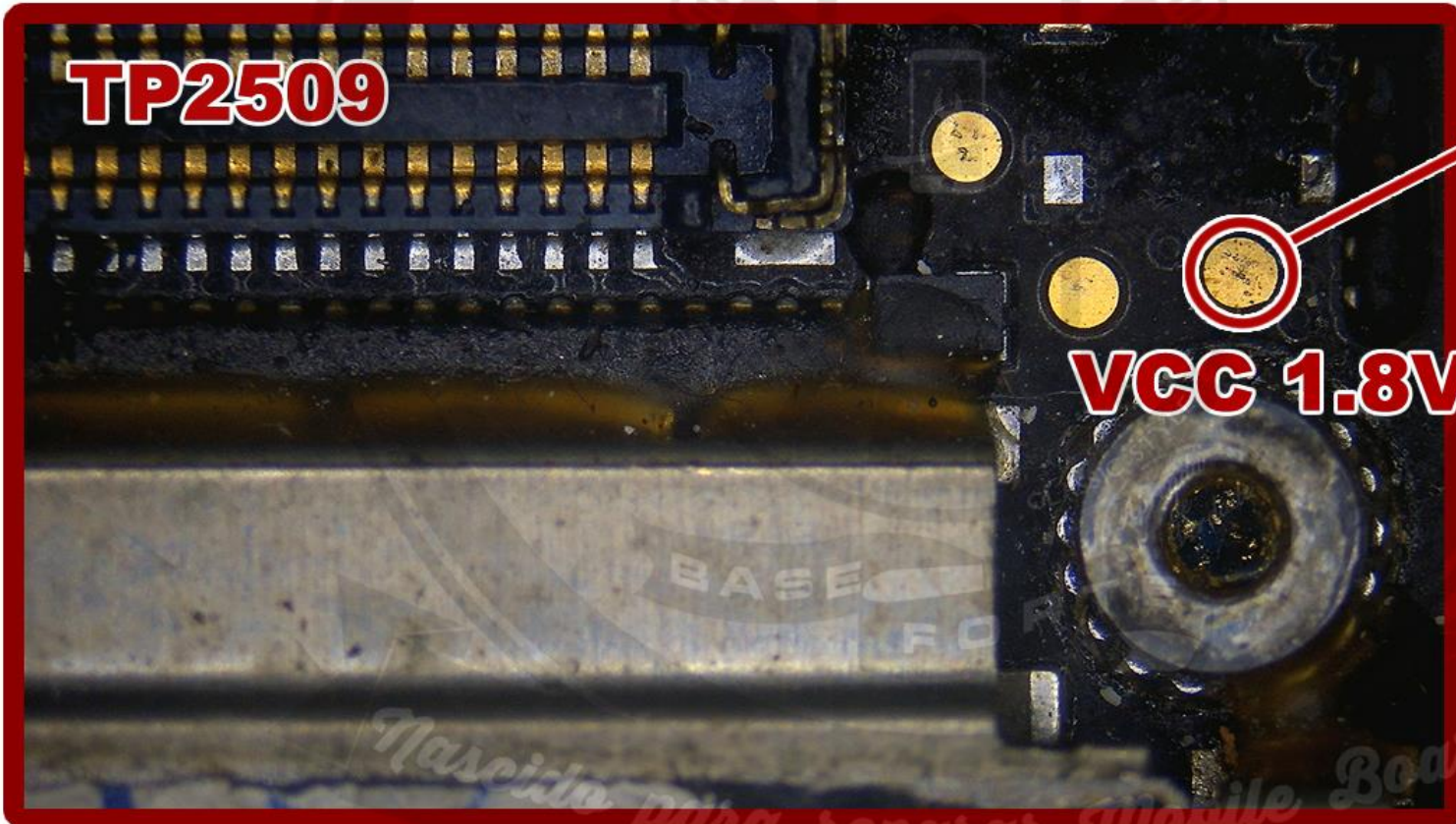
DFU



APPLE IPHONE 6 PLUS 820-3675A

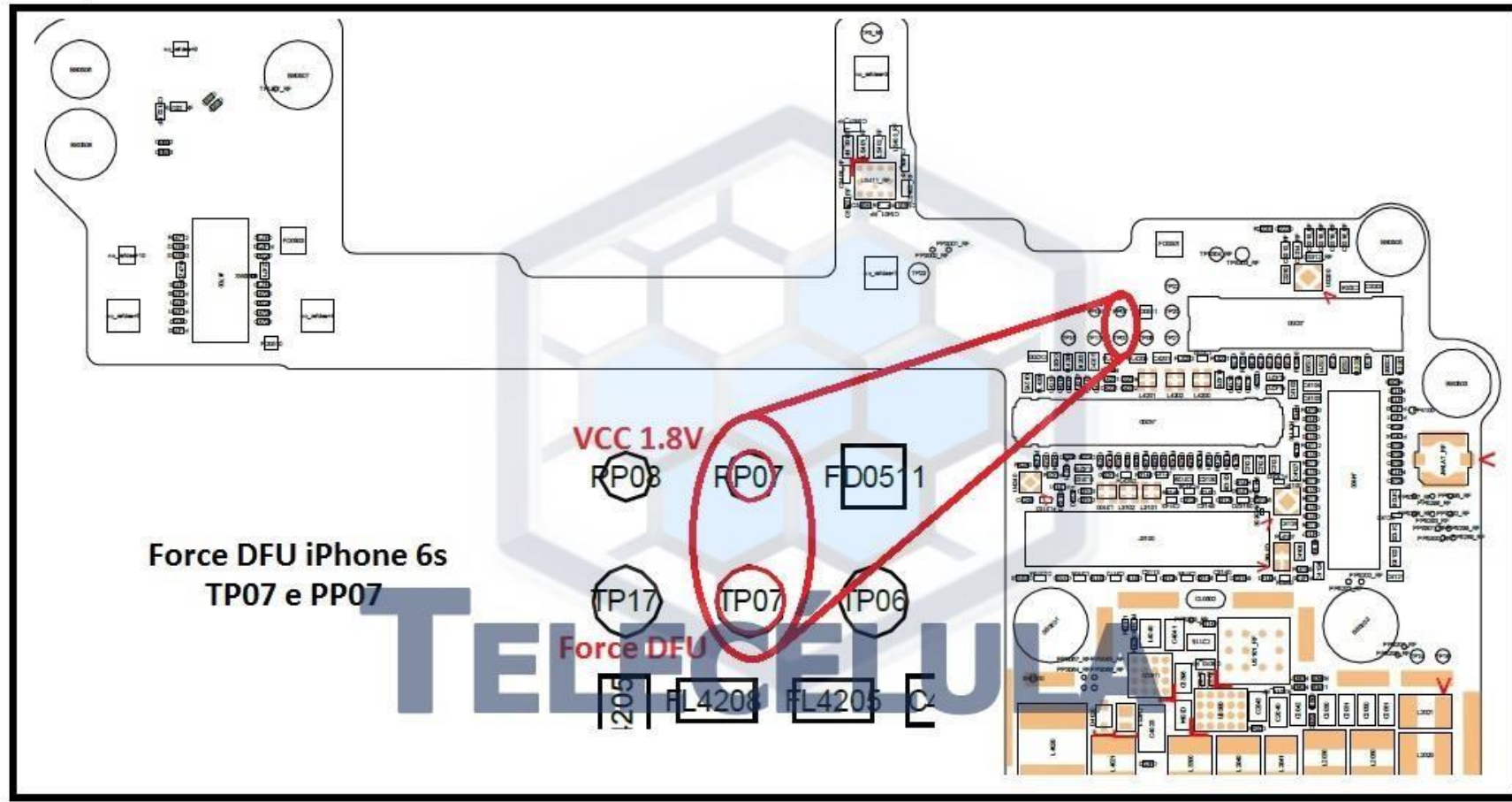
FORCE DFU

820-3675-A

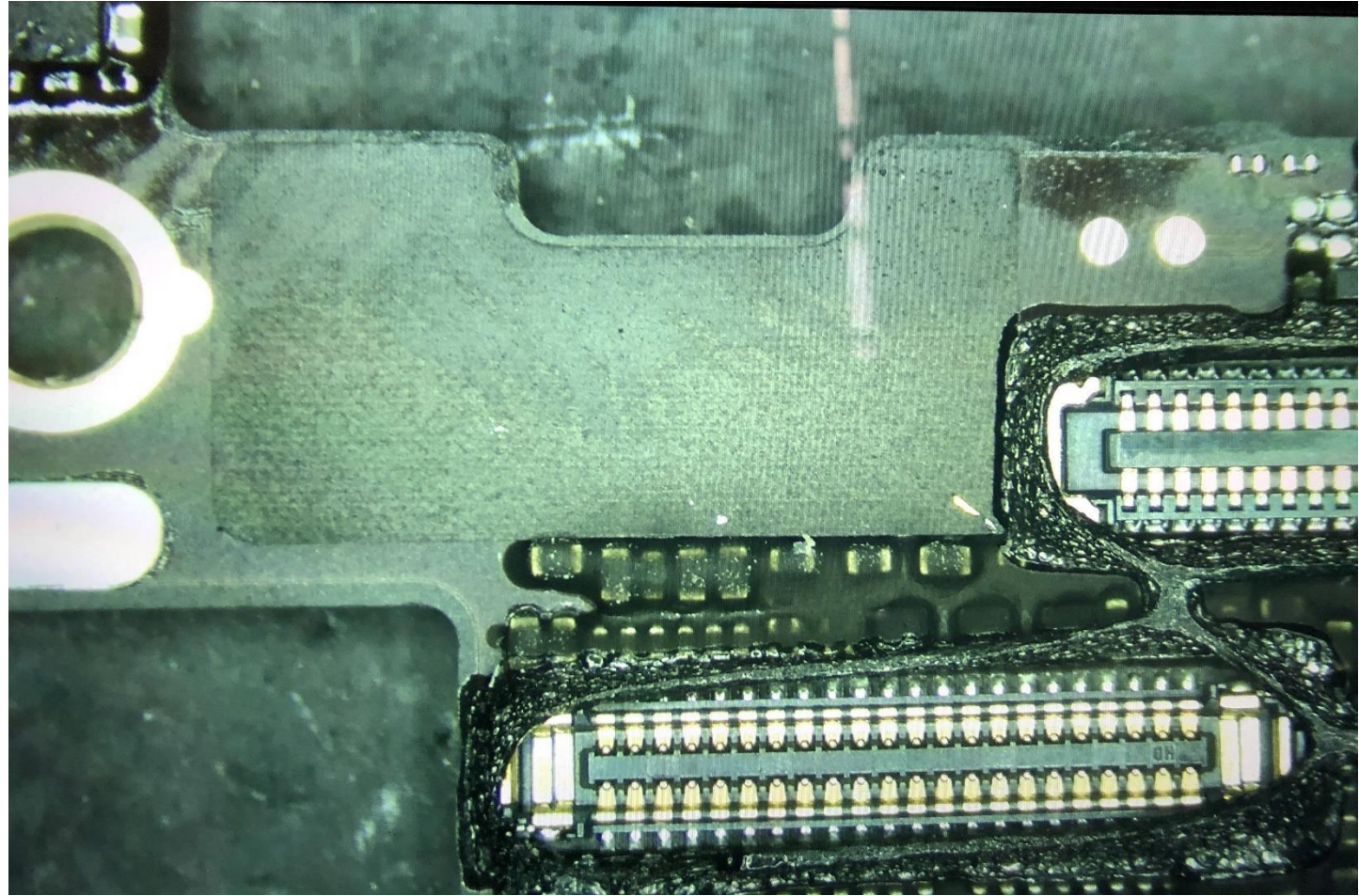


Masciotti Mobile Board

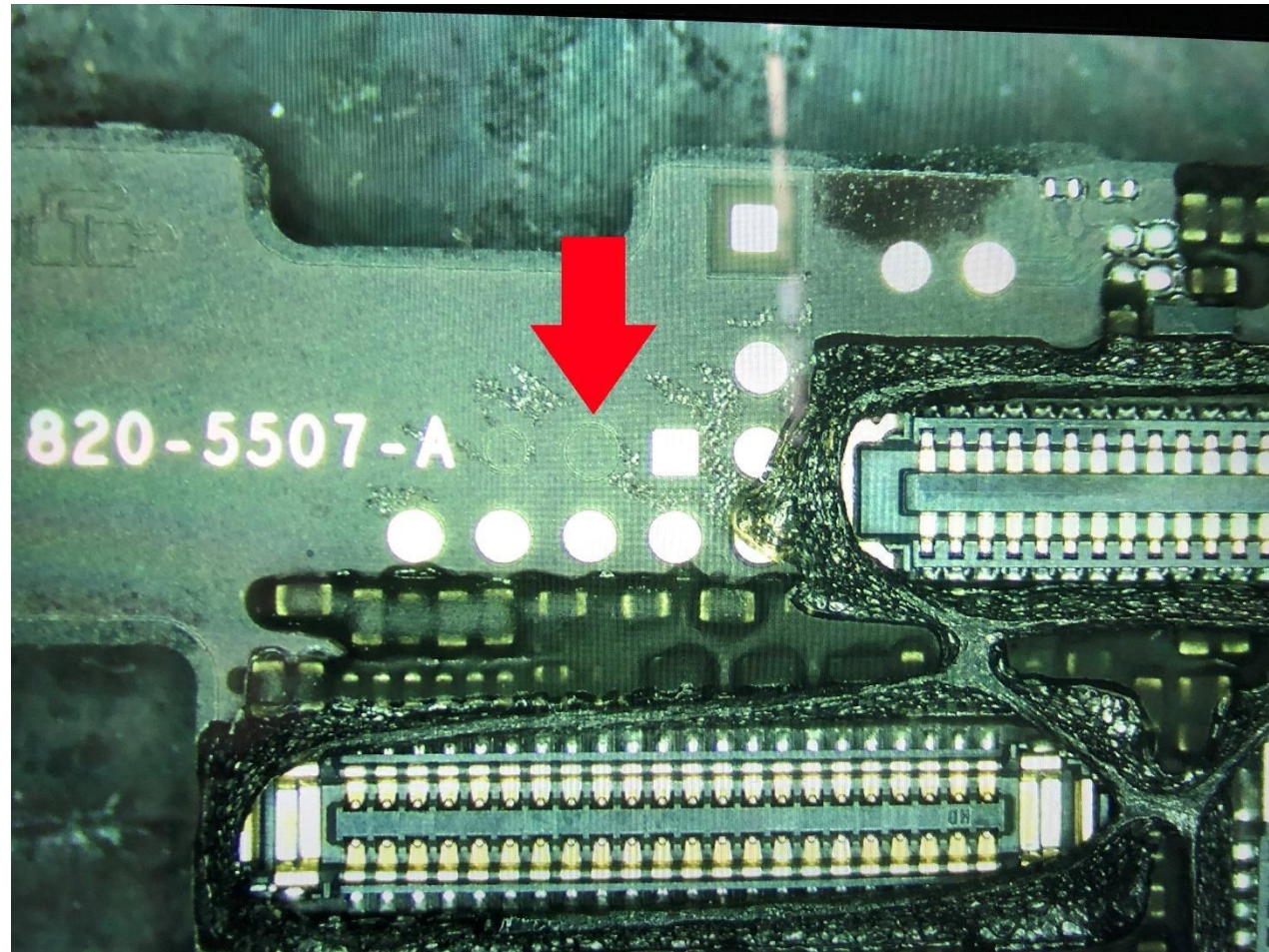
Force DFU iPhone 6S



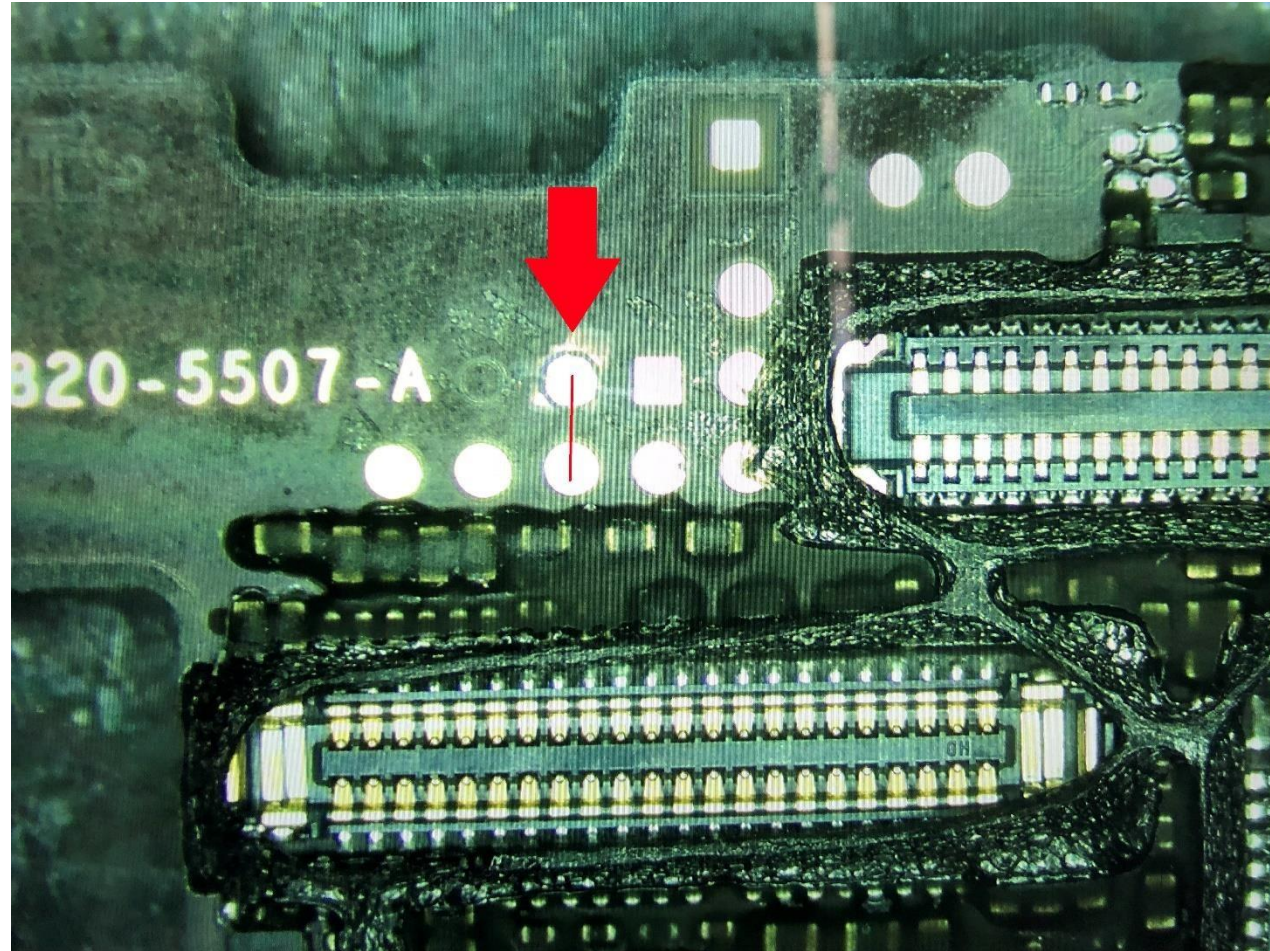
Force DFU iPhone 6S



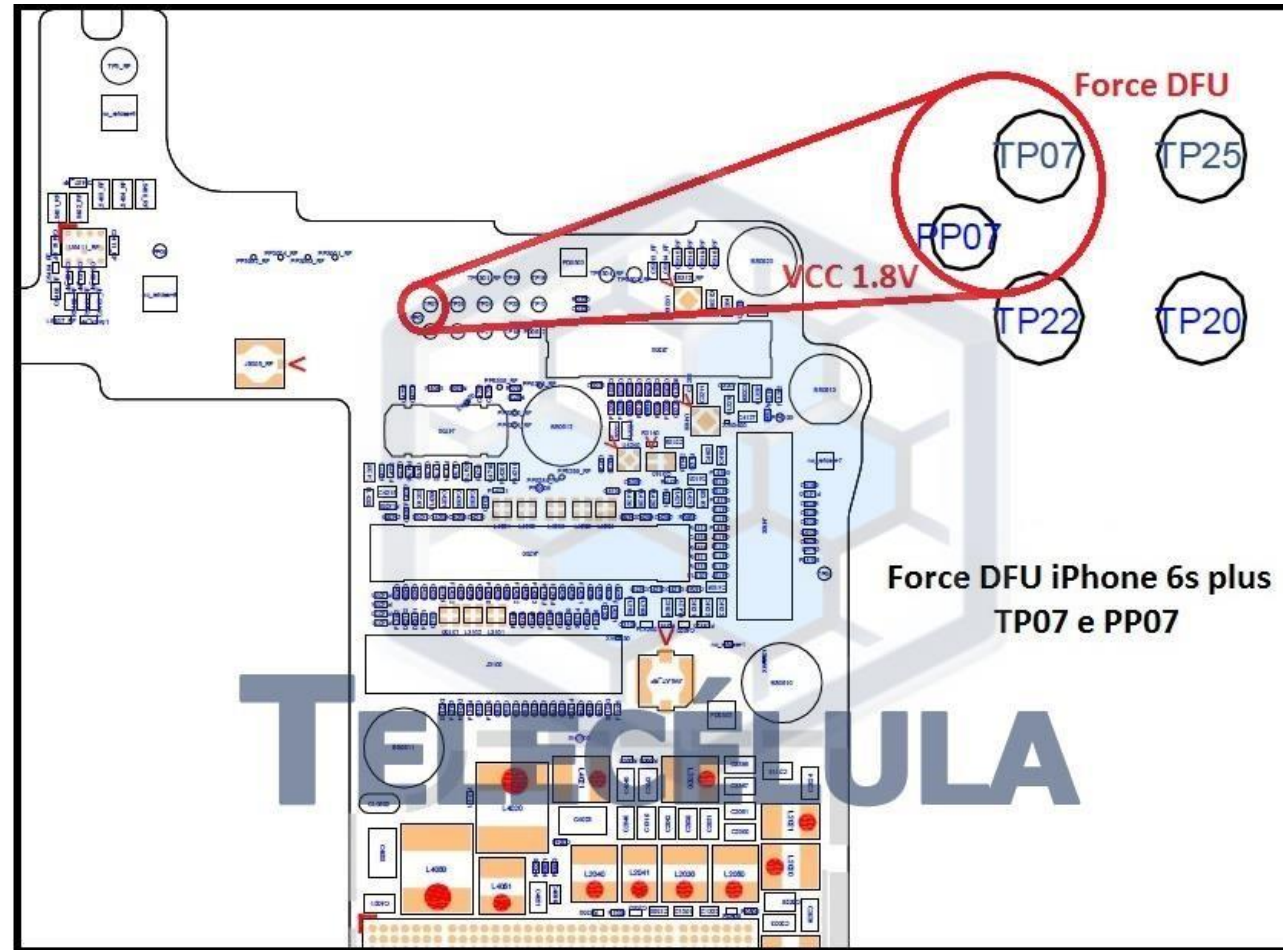
Force DFU iPhone 6S



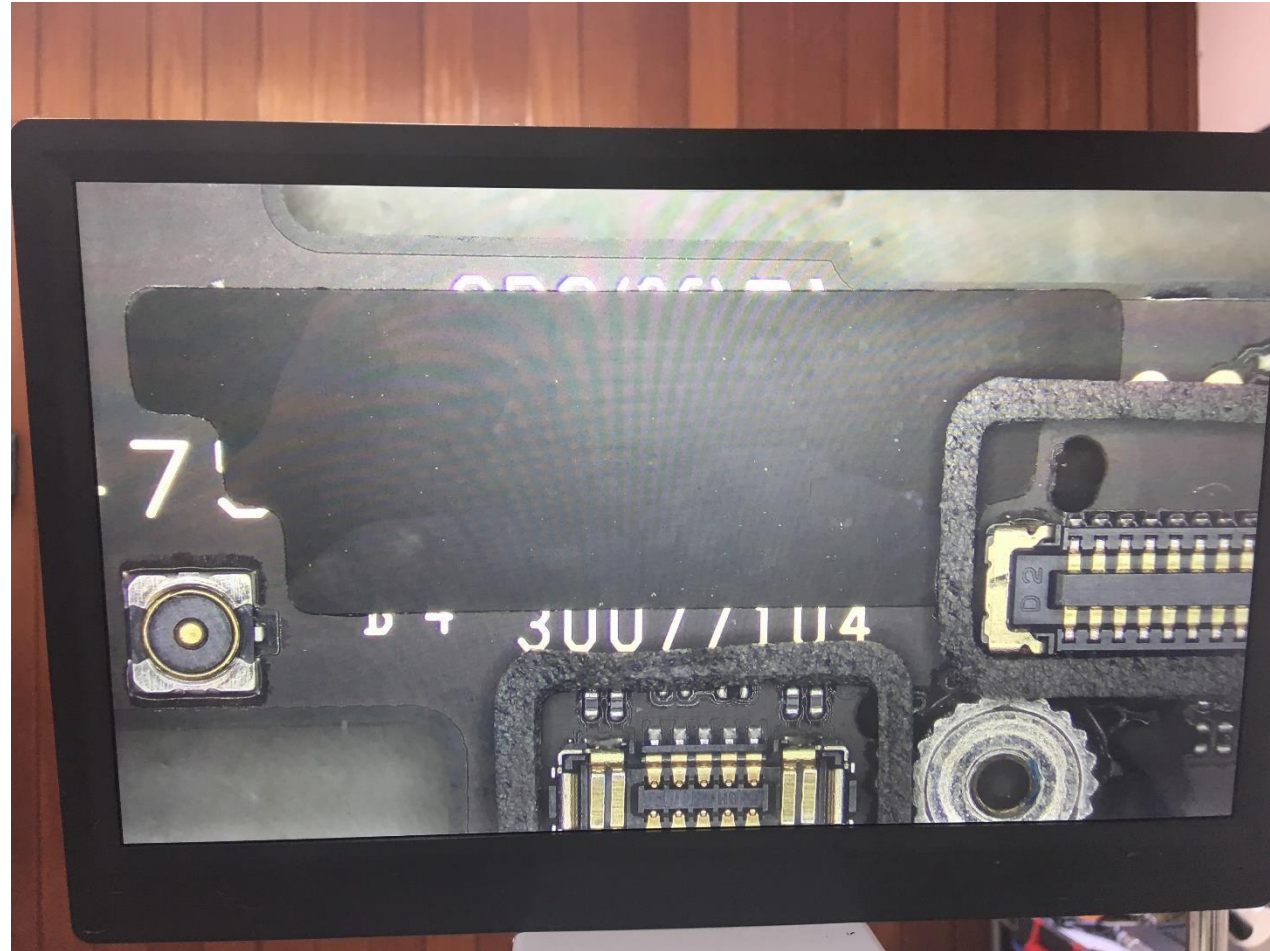
Force DFU iPhone 6S



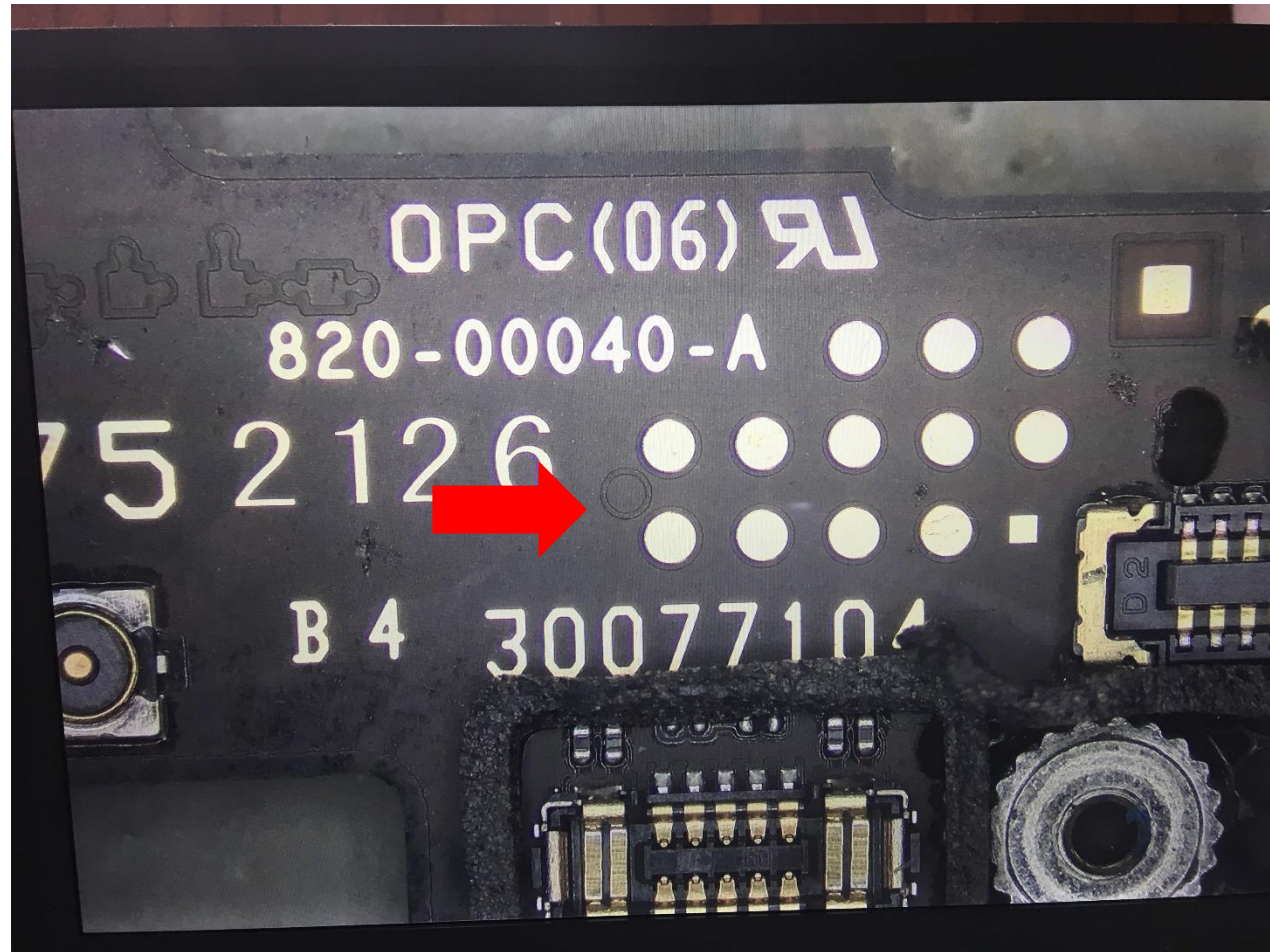
Force DFU iPhone 6S Plus



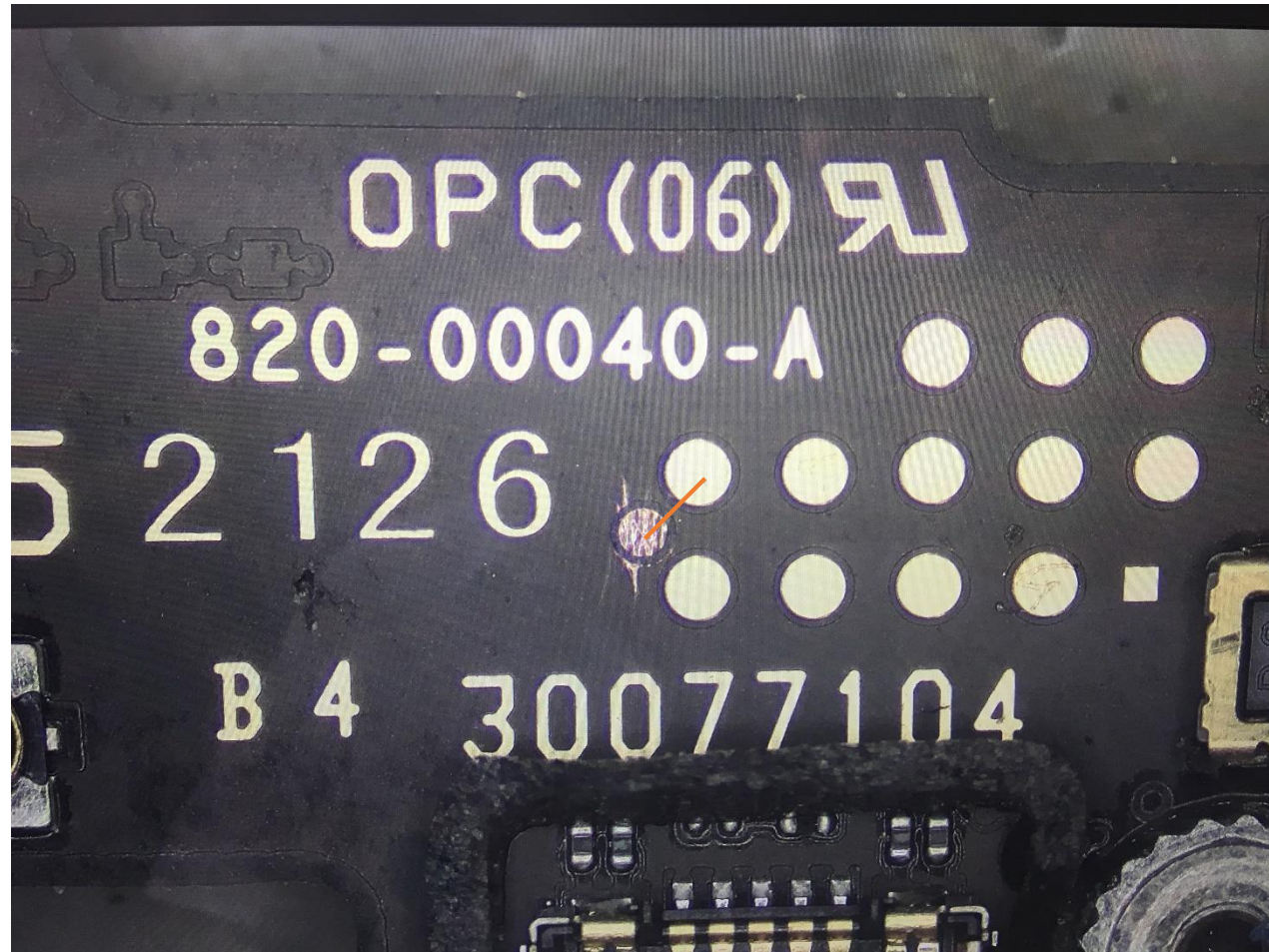
Force DFU iPhone 6S Plus



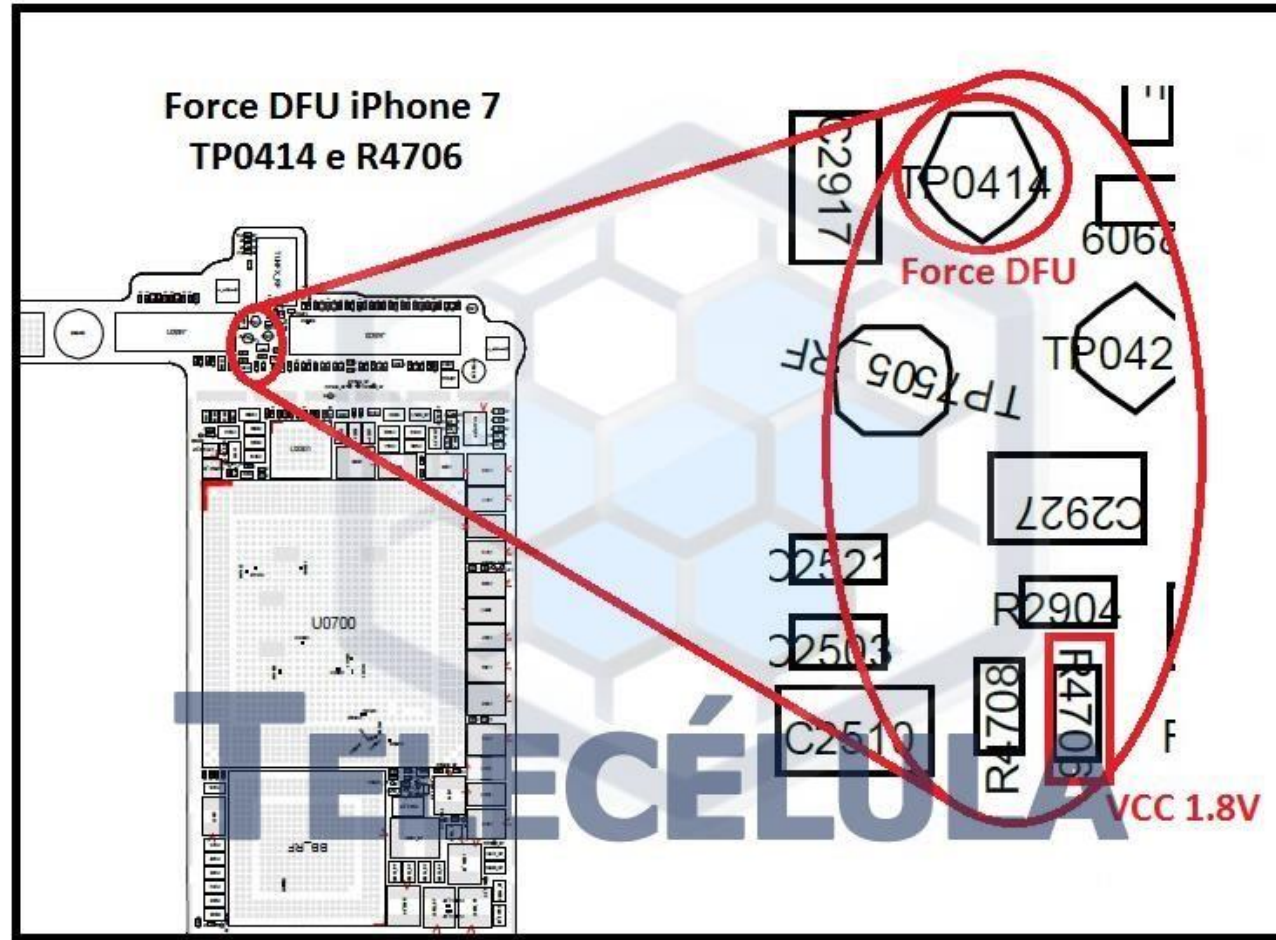
Force DFU iPhone 6S Plus



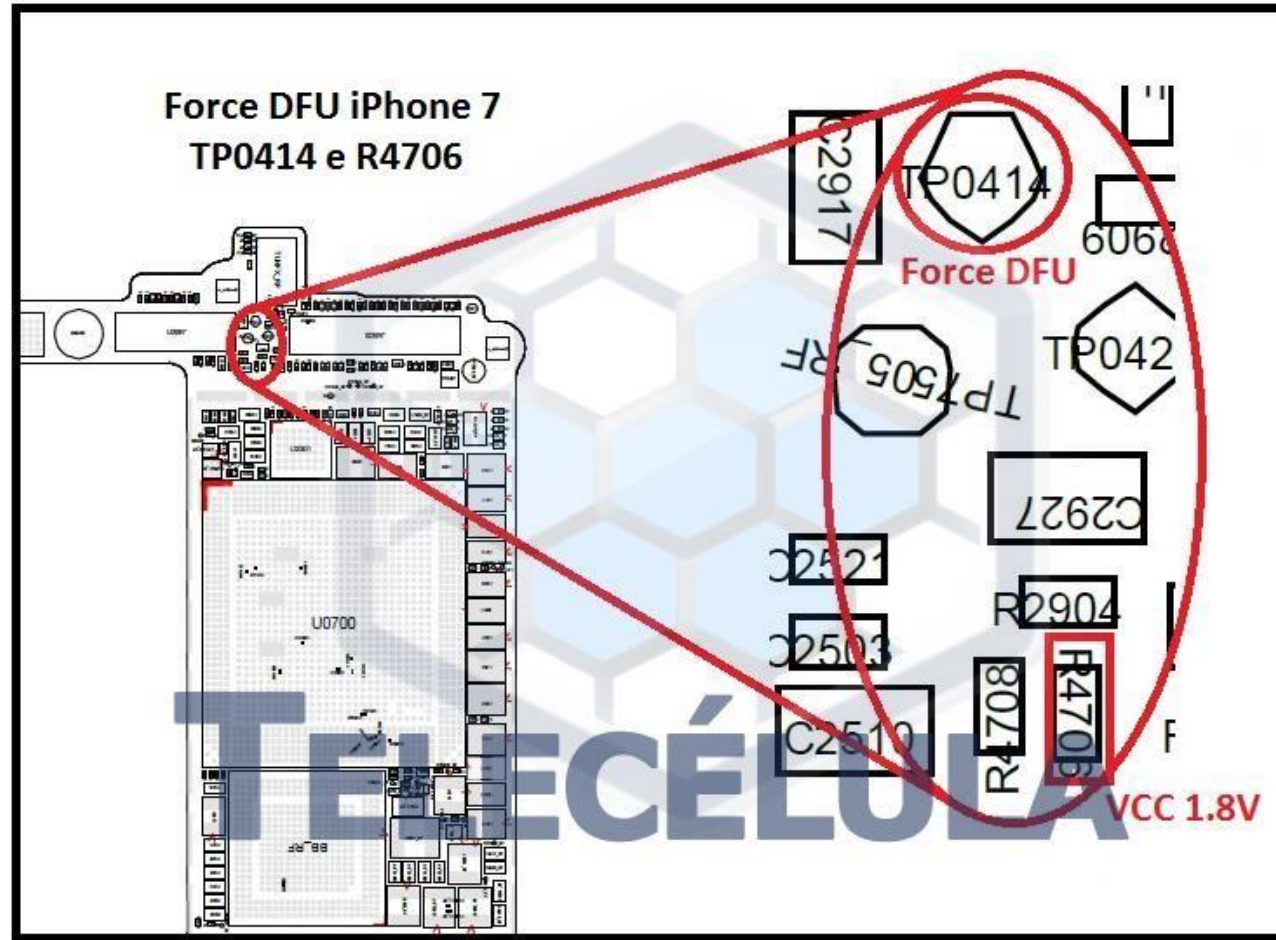
Force DFU iPhone 6S Plus



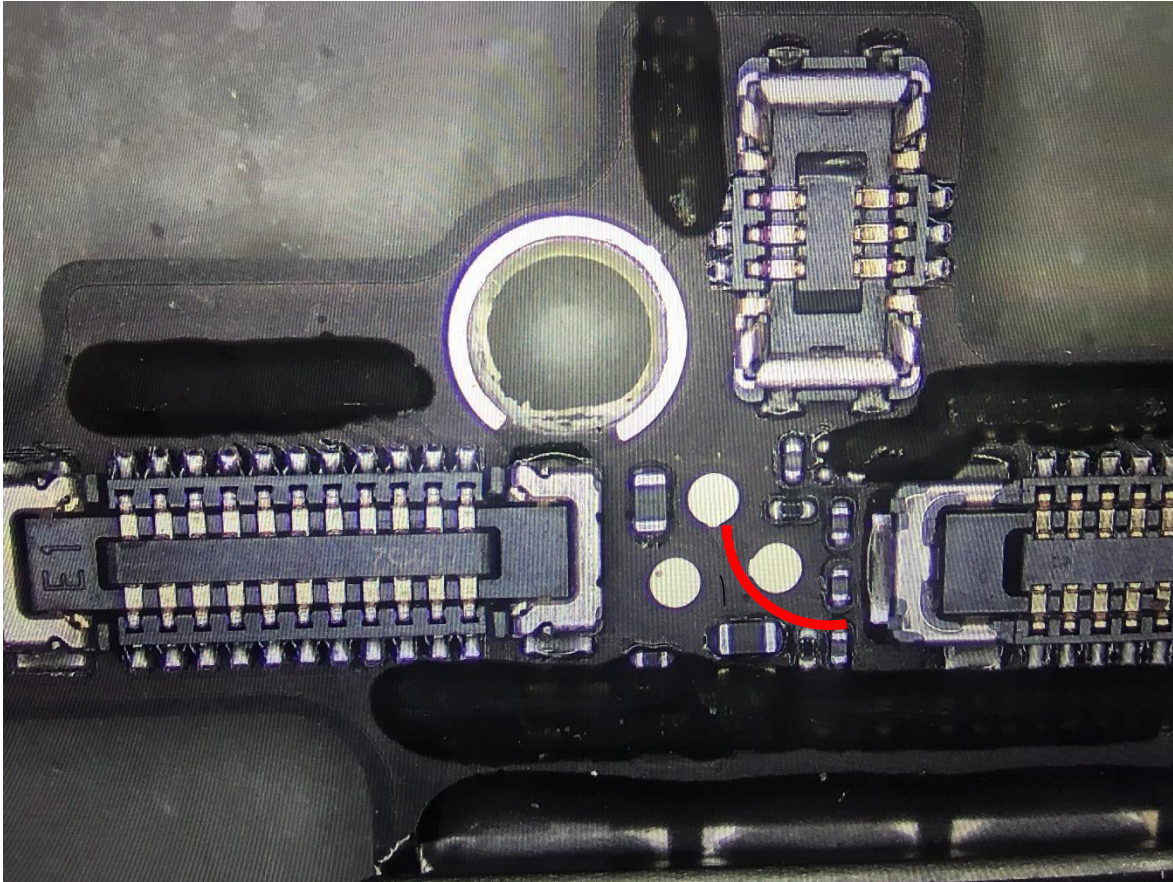
Force DFU iPhone 7



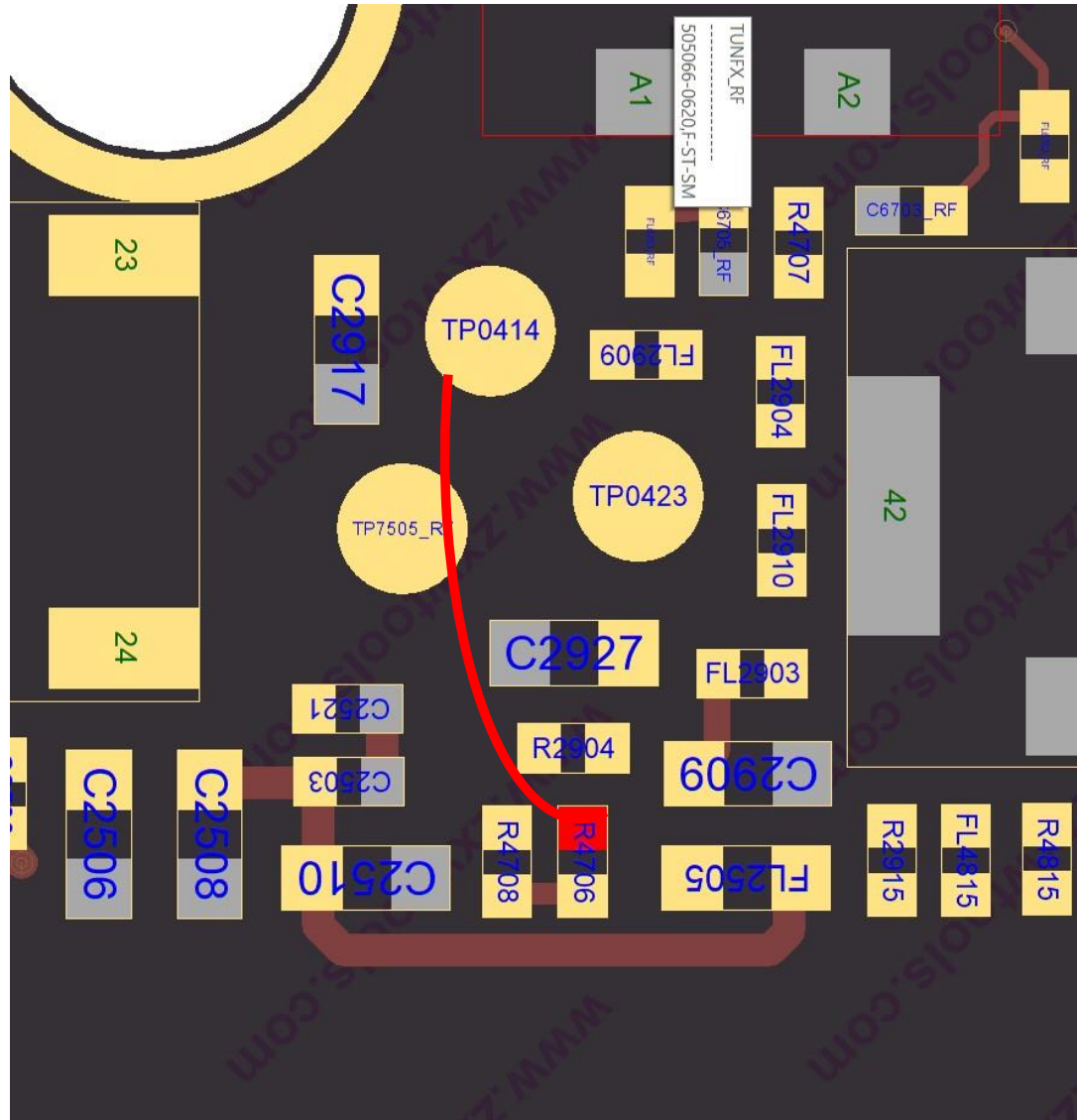
Force DFU iPhone 7



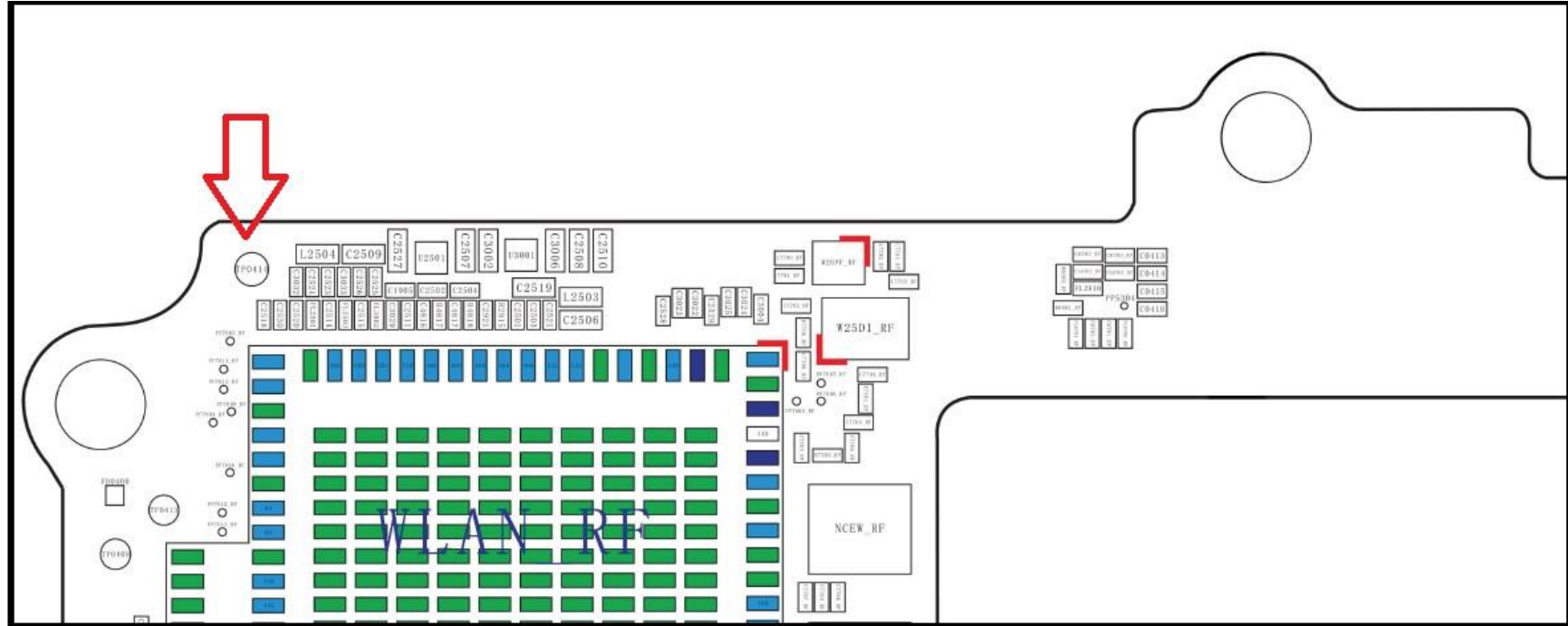
Force DFU iPhone 7

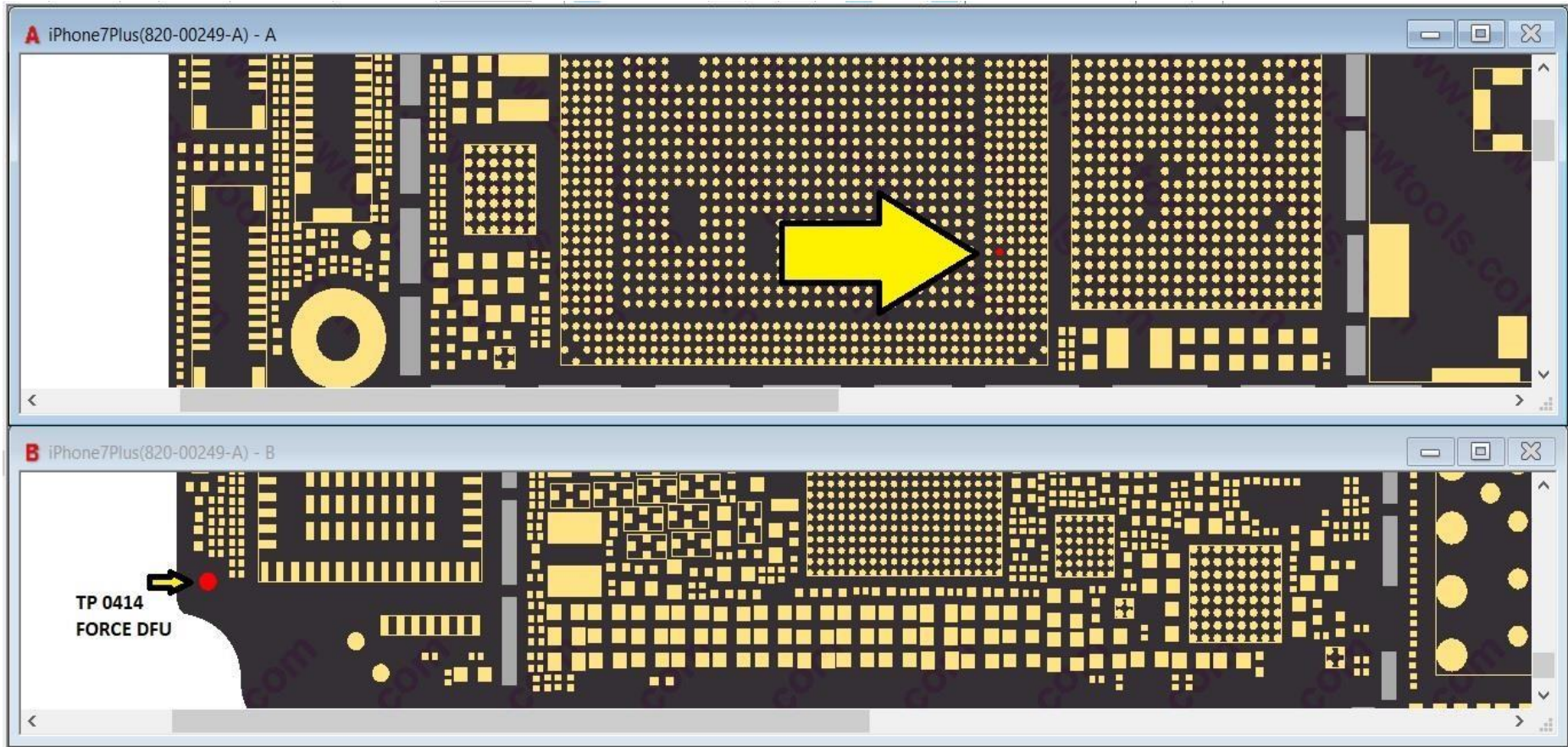


Force DFU iPhone 7



Force DFU iPhone 7 Plus (TP-0414)

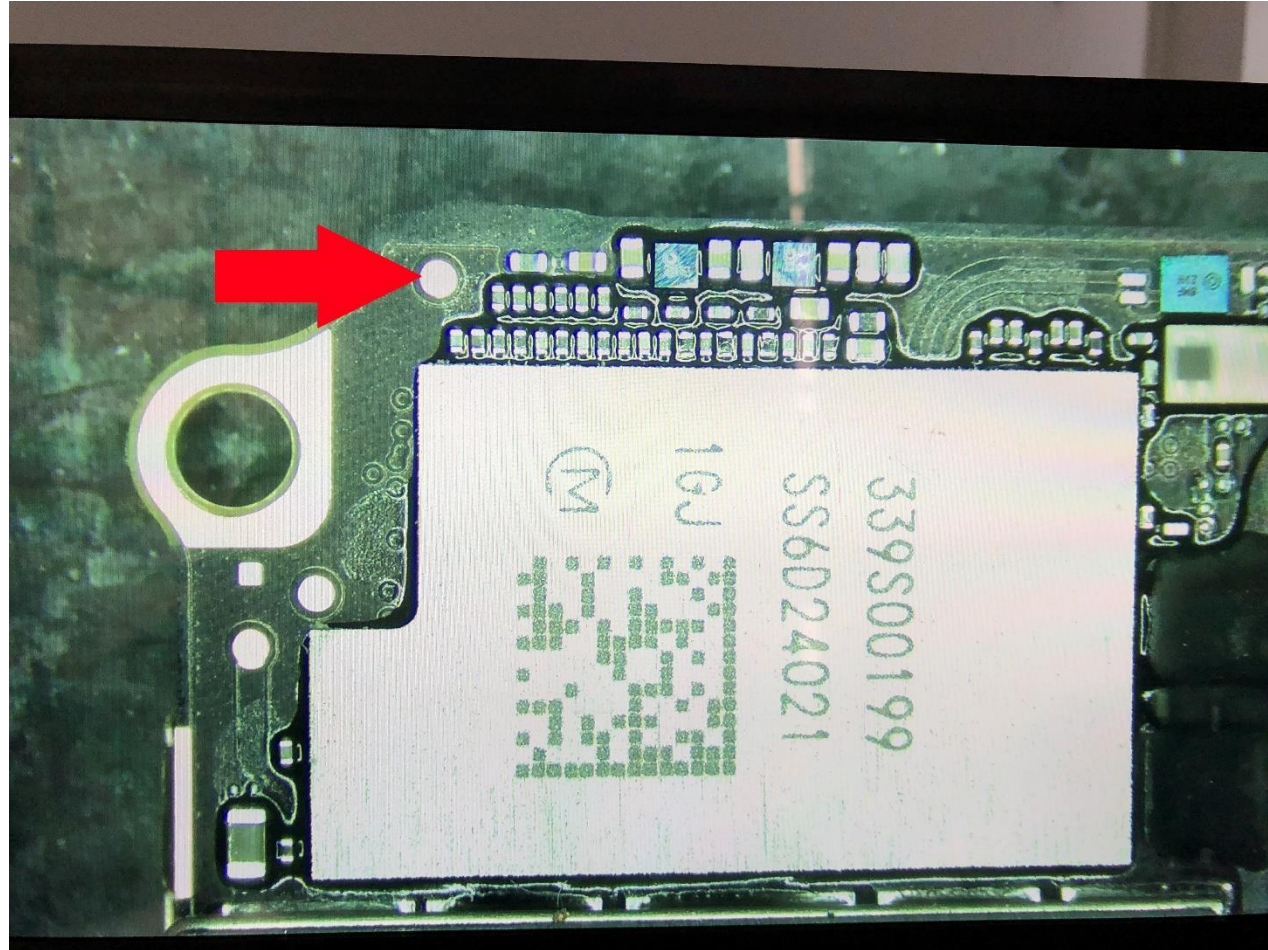




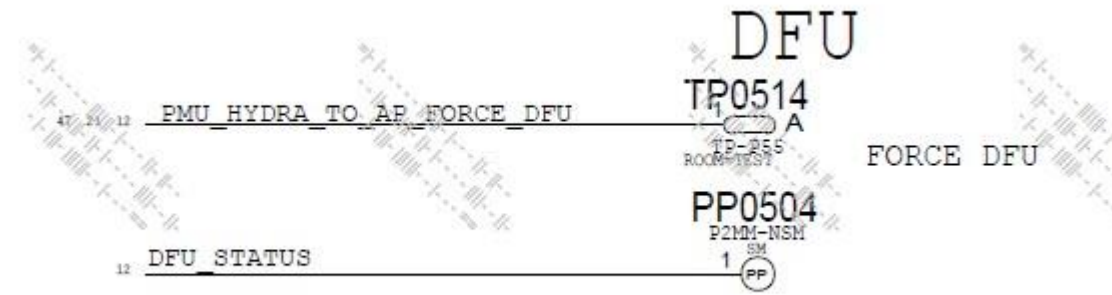
Force DFU iPhone 7 Plus (TP-0414)

- Como é possível observar no slide a seguir o modo Force DFU é uma porta na CPU Apple, habilitando o modo de DFU forçado no ato de inserir uma tensão de 1,8V, conectar o cabo e75 e desconectar a tensão na porta, aparelho em modo Force DFU.

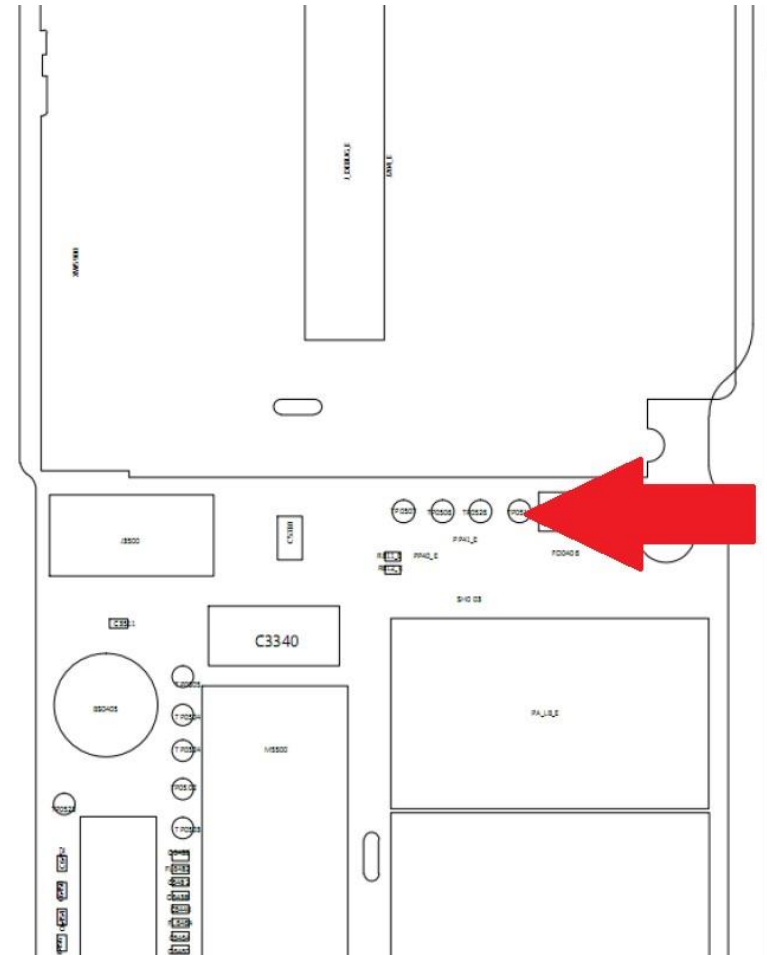
Force DFU iPhone 7 Plus (TP-0414)



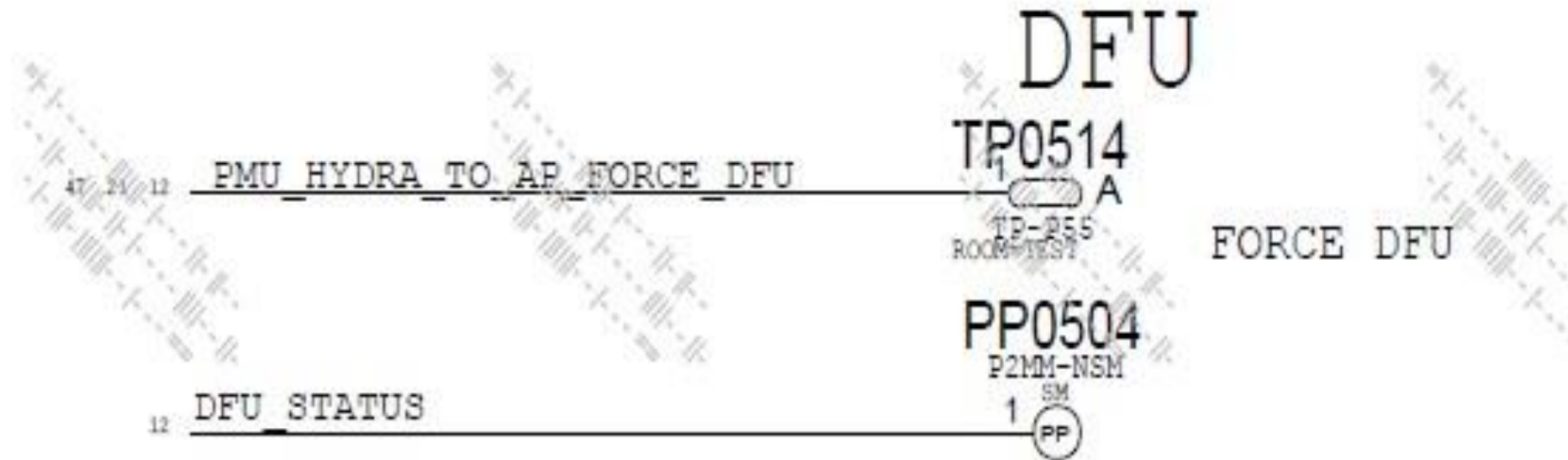
Force DFU iPhone 8 (TP-0514)



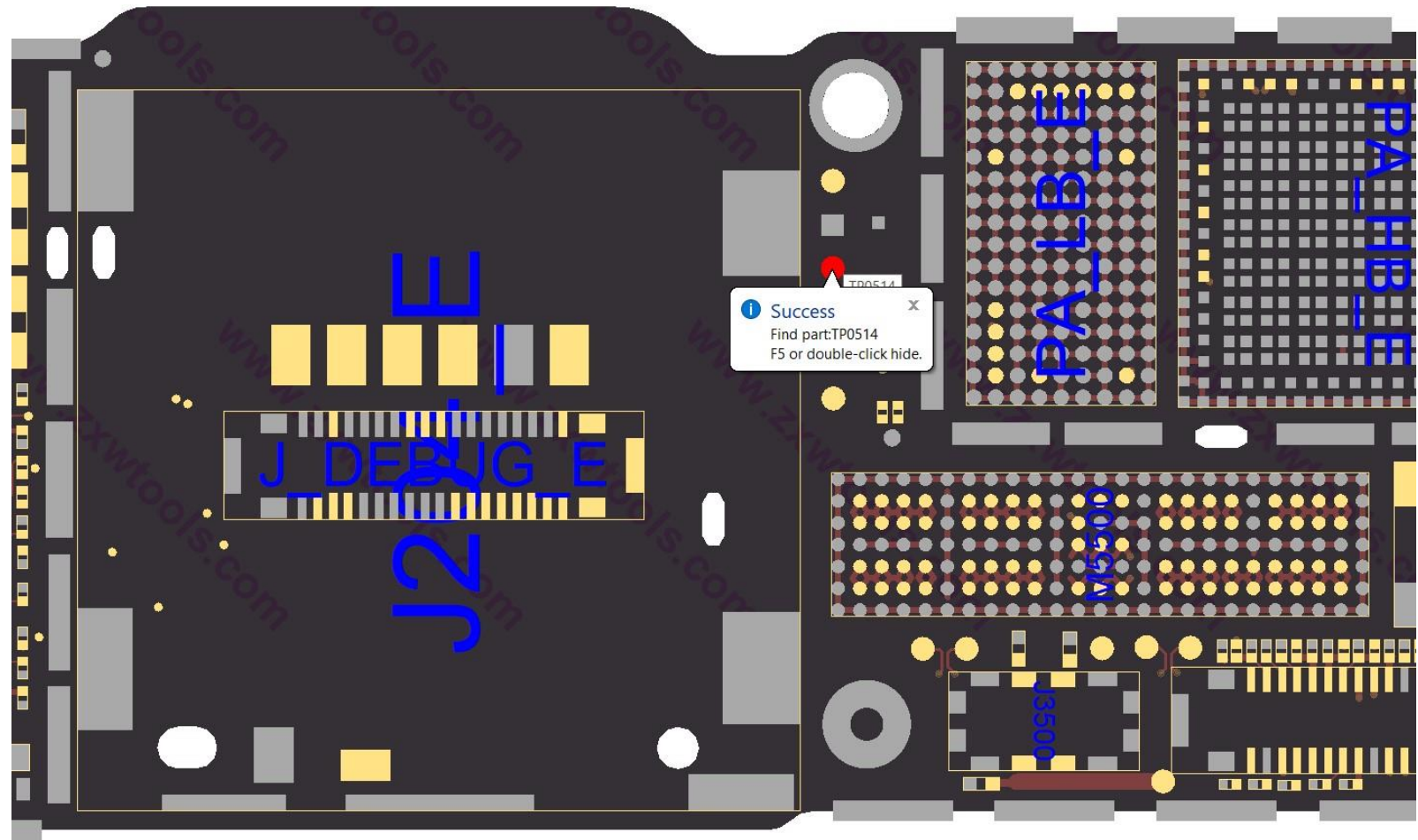
Force DFU iPhone 8 (TP-0514)



Force DFU iPhone 8 Plus (TP-0514)



Force DFU iPhone 8P (TP-0514)



APPLE IPHONE 8 PLUS INTEL

FORCE DFU



820-00847A



VCC 1.8V

REMOVER OU CORTAR
CUIDADOSAMENTE A FITA
PROTETIVA DA BOARD

BASE FORTE
Mascetta para reparar Mobile Board

IPHONE 8 PLUS QUALCOMM

FORCE DFU



820-00846A



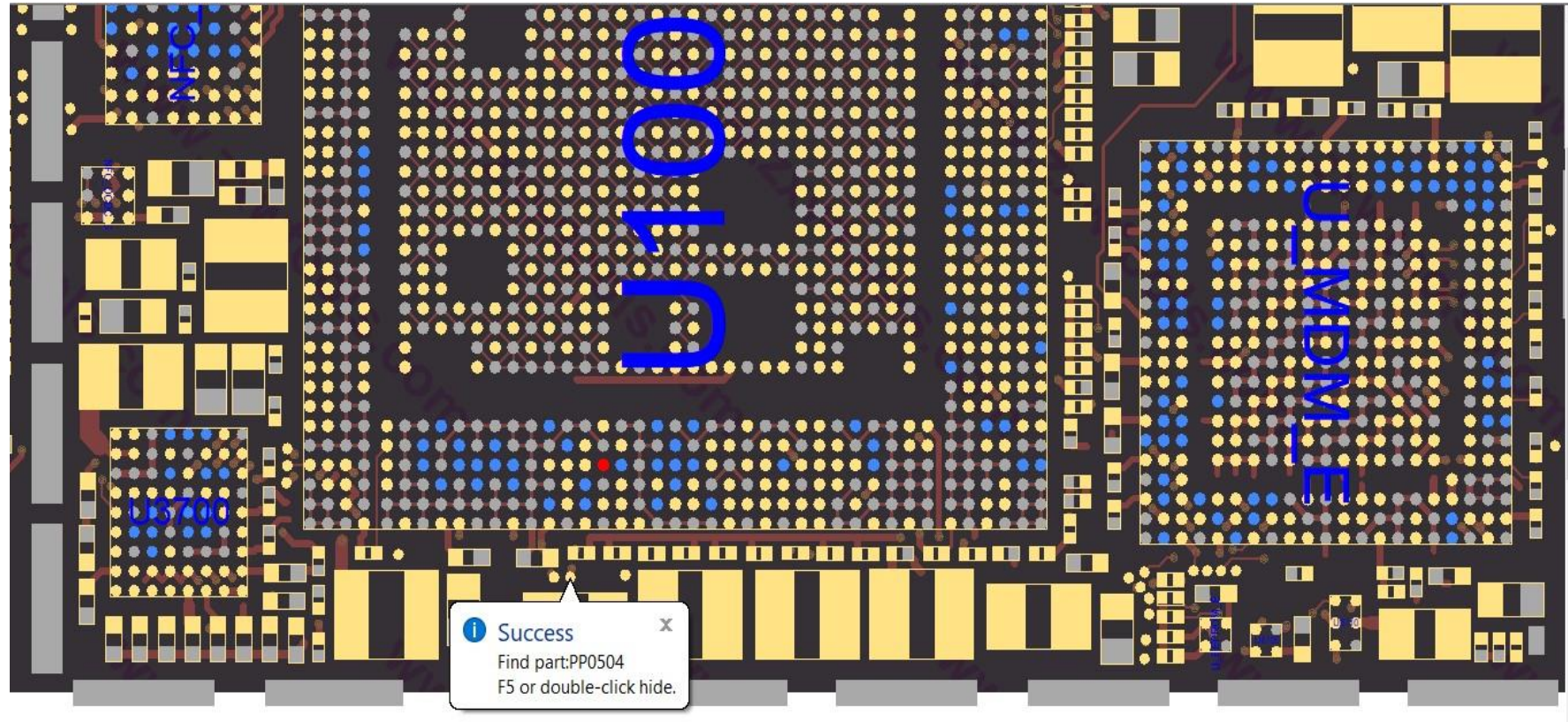
VCC 1.8V

REMOVER OU CORTAR
CUIDADOSAMENTE A FITA
PROTETIVA DA BOARD



Mascote para reparar Mobile Board

Force DFU iPhone 8P Status (PP-0504)



Force DFU iPhone X

11 PMU HYDRA TO AP FORCE DFU

DFU

TP0714

1 A

TP-P55
ROOM=TEST

FORCE DFU

APPLE IPHONE X QUALCOMM

FORCE DFU



820-00846A

REMOVER CUIDADOSAMENTE A FITA BLINDAGEM
PROTETIVA DA BOARD E RASPAR O VERNIZ
SOBRE O TEST POINT

VCC 1.8V

TP0714

TP-0714

Force DFU

Modo Normal = 0.00V

J DEBUG

Qualcomm

Marcado para reparar Mobile Board

APPLE IPHONE X INTEL

FORCE DFU



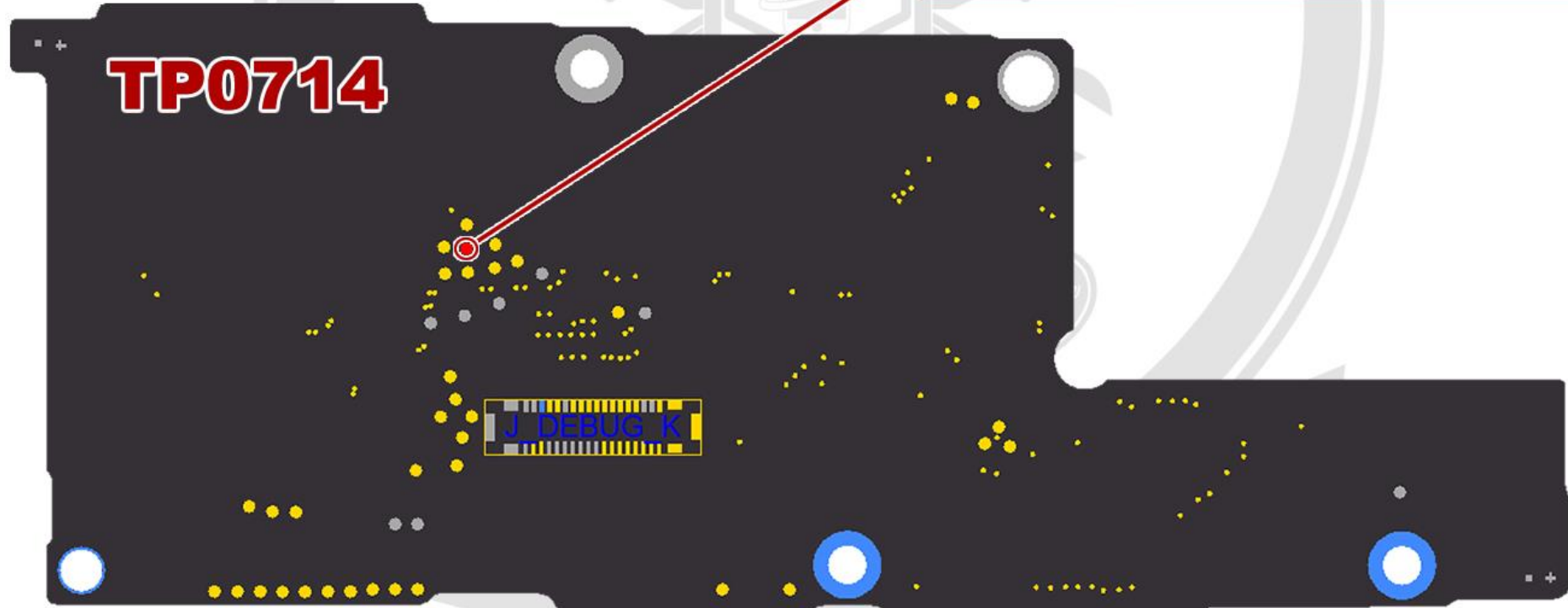
820-00863-12

REMOVER CUIDADOSAMENTE A FITA BLINDAGEM
PROTETIVA DA BOARD E RASPAR O VERNIZ
SOBRE O TEST POINT

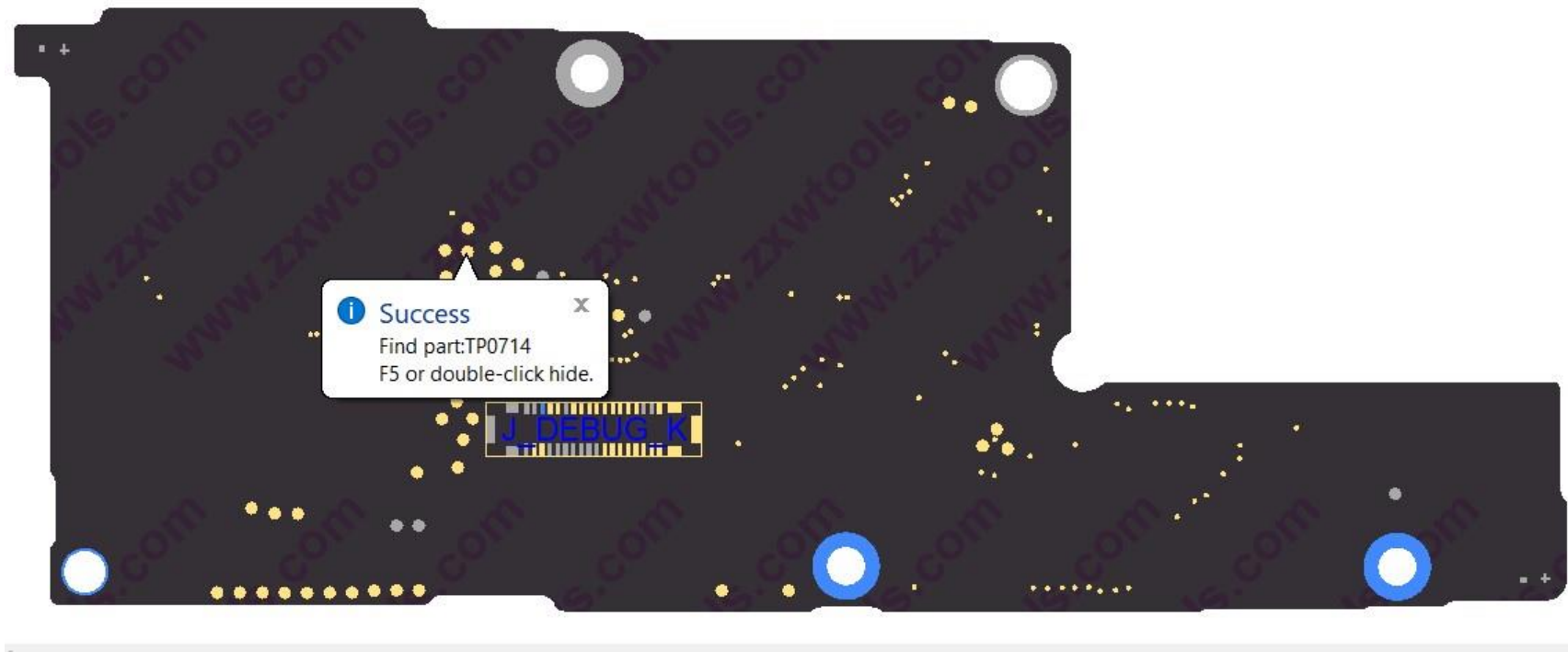
VCC 1.8V

TP0714

J DEBUG K



Force DFU iPhone X



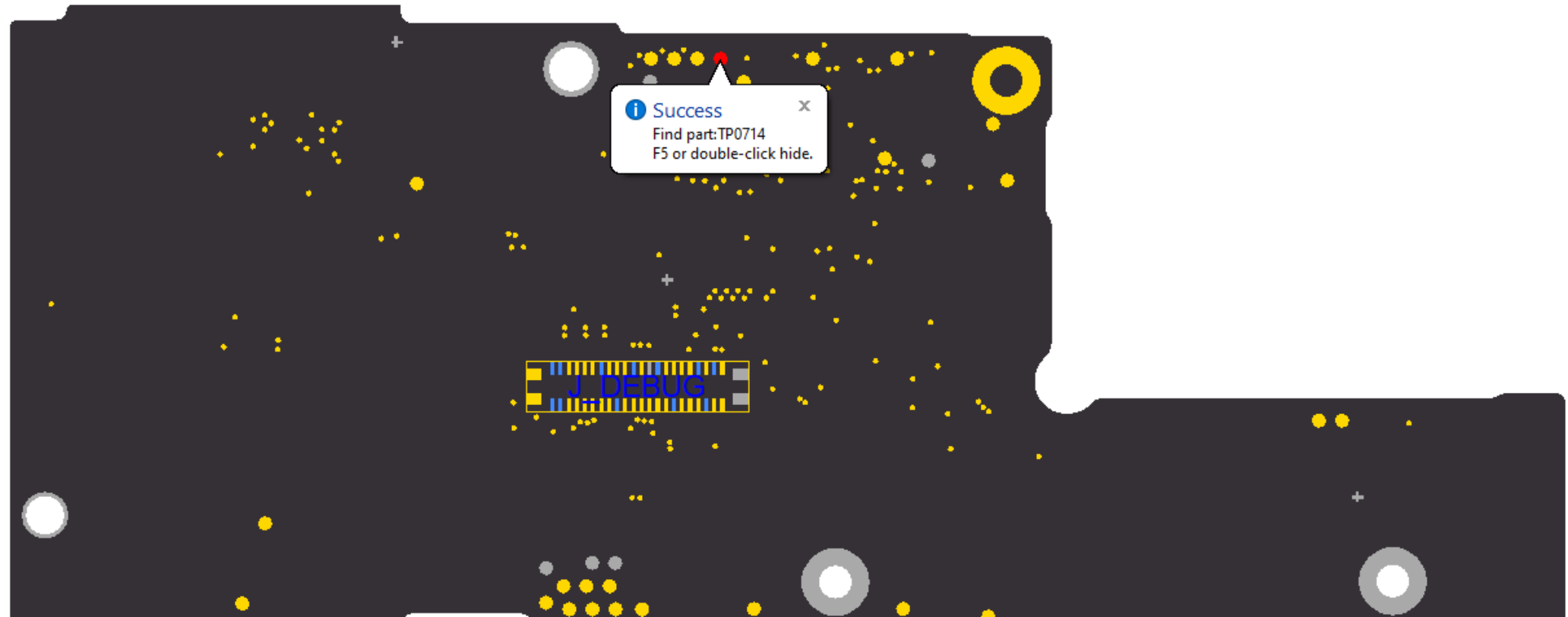
Force DFU iPhone XS

11 PMU_HYDRA_TO_AP_FORCE_DFU

DFU
TP0714
A
TP-P55
ROOM=TEST

FORCE DFU

Force DFU iPhone XS



APPLE IPHONE XS

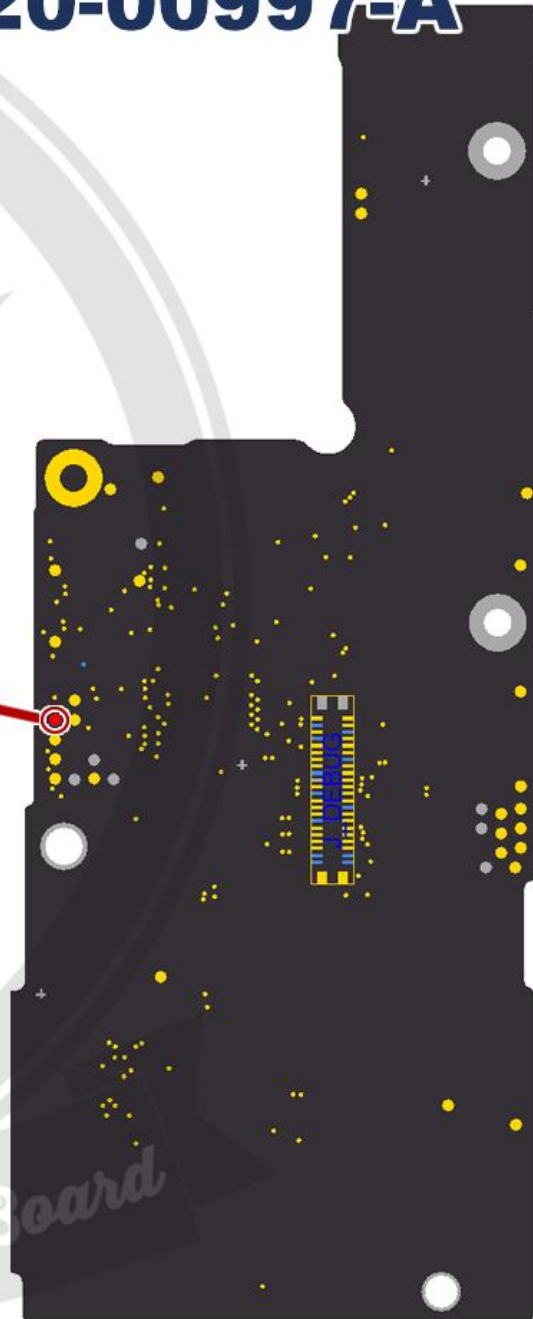
FORCE DFU



820-00997-A

REMOVER CUIDADOSAMENTE A FITA BLINDAGEM
PROTETIVA DA BOARD SOBRE O TEST POINT

TP0714
VCC 1.8V



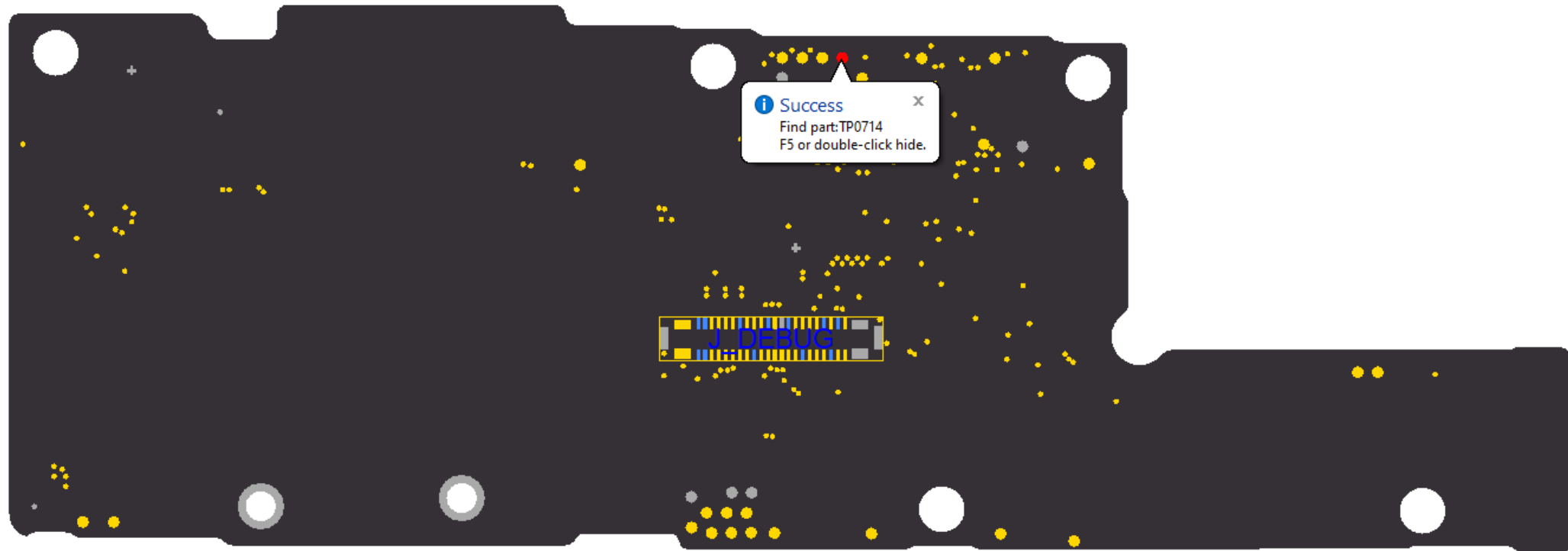
Force DFU iPhone XS MAX

11 PMU_HYDRA_TO_AP_FORCE_DFU

DFU
TP0714
1 A
TP-P55
ROOM=TEST

FORCE DFU

Force DFU iPhone XS MAX



APPLE IPHONE XS MAX

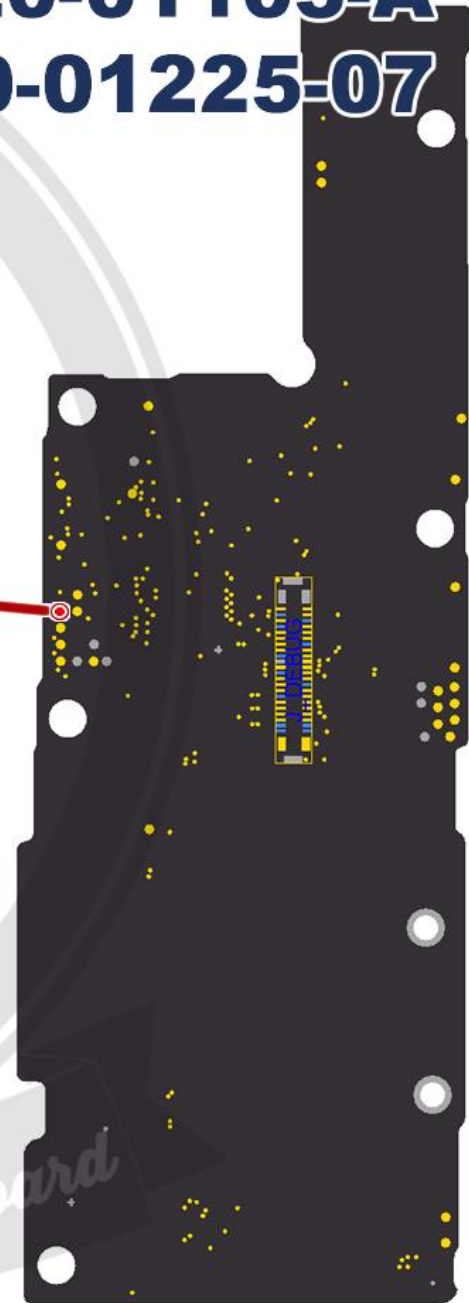
FORCE DFU



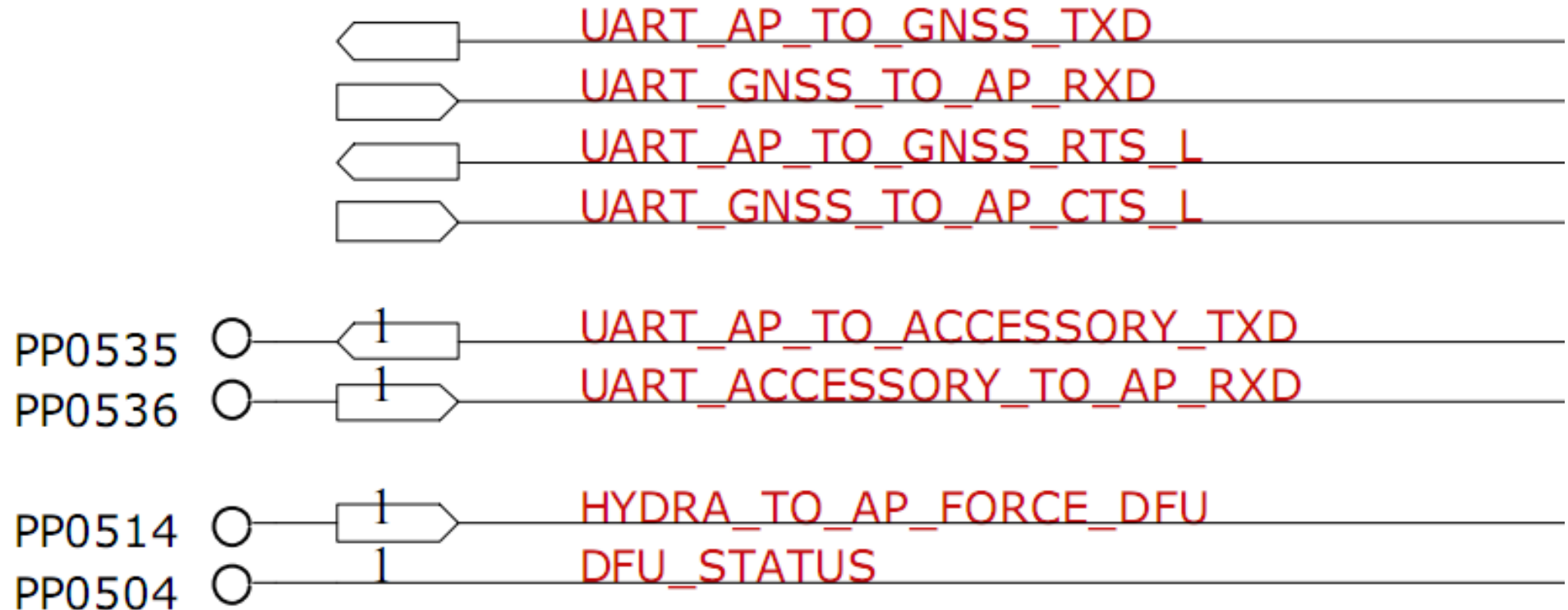
820-01103-A
820-01225-07

REMOVER CUIDADOSAMENTE A FITA BLINDAGEM
PROTETIVA DA BOARD SOBRE O TEST POINT

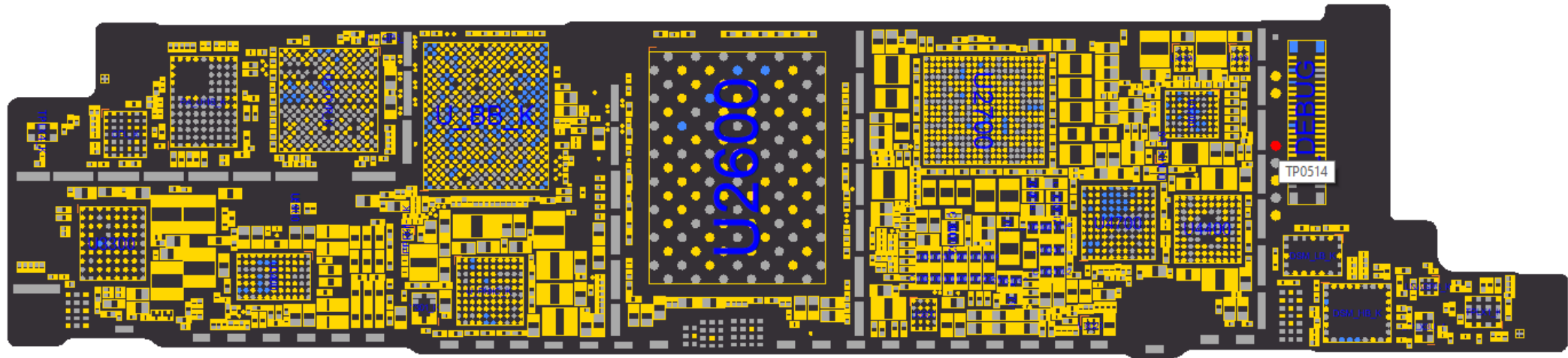
TP0714
VCC 1.8V



Force DFU iPhone XR (TP0514)



Force DFU iPhone XR (TP0514)

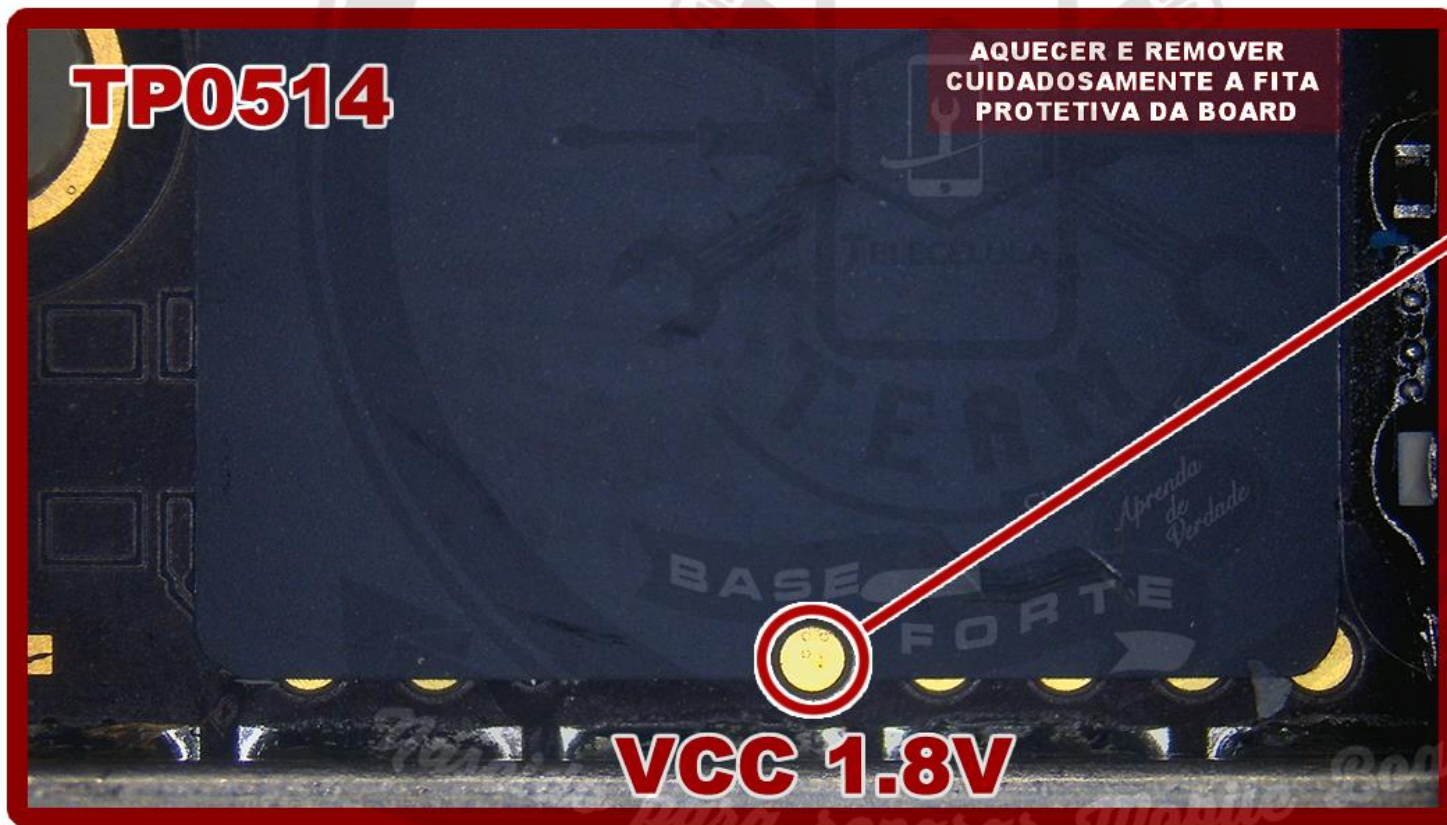


APPLE IPHONE XR

FORCE DFU



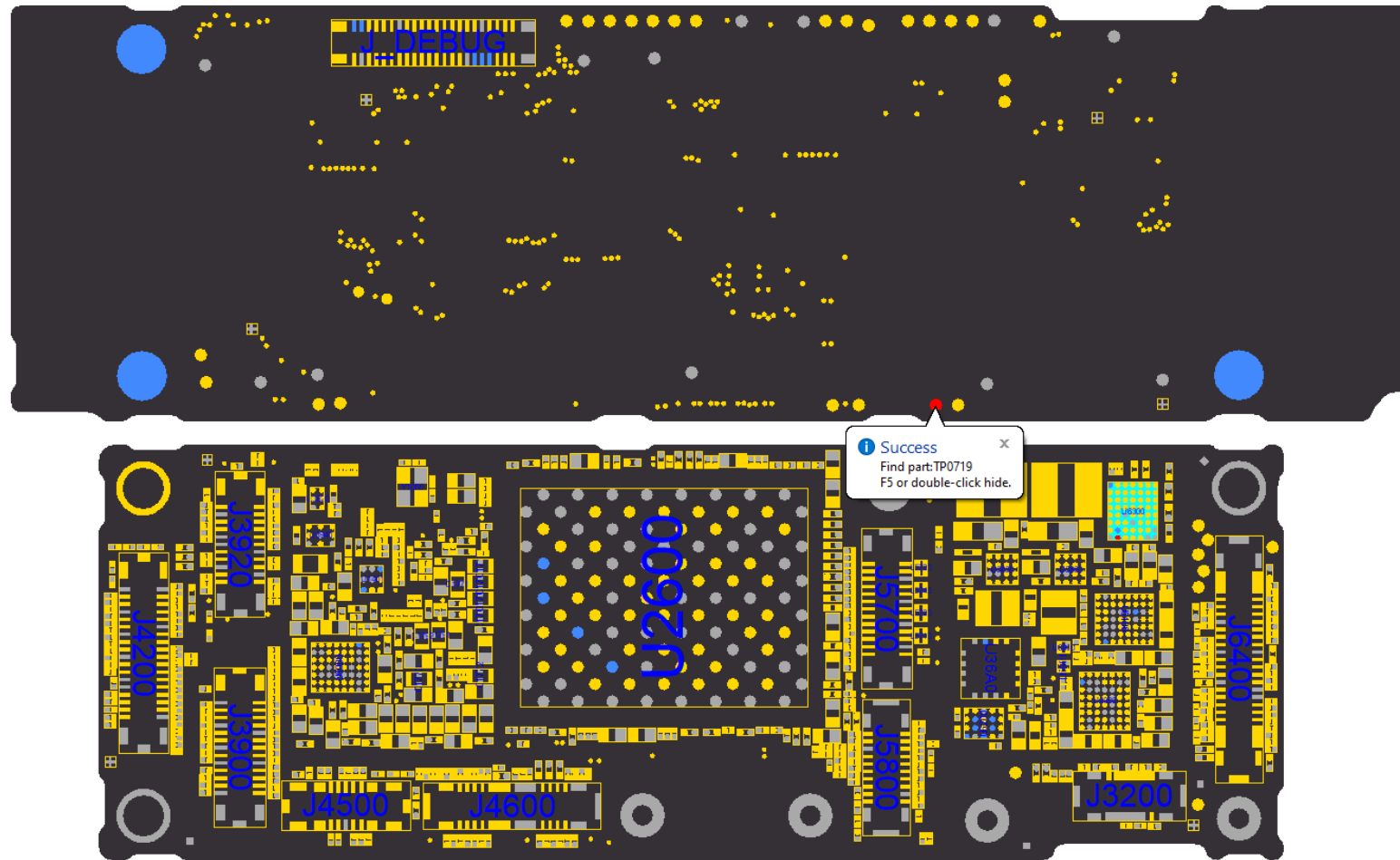
820-01209A



Force DFU iPhone 11

					X	UAF
					X	UAF
					X	UAF
串行接口 CPU到附件控制芯片发送数据			UART AP TO ACCESSORY TXD			UAF
串行接口 CPU到附件控制芯片接收数据			UART AP FROM ACCESSORY RXD			UAF
附件到CPU强制DFU	PP0534	1	HYDRA TO AP FORCE DFU			FOF
DFU状态信息	PP0533	1	DFU_STATUS			DFU
电源到CPU的开机键信号			PMU TO AP BUTTON POWER KEY L			REC
电源到CPU的音量减按键信号			PMU TO AP BUTTON VOL DOWN L			REC
			MTR RREF_P	片内监视器参考电阻正相		PAL
			MTR RREF_N	片内监视器参考电阻负相		PAL
I2S总线CPU到音频编解码器的主时钟1			I2S AP TO CODEC MCLK1			I2S
I2S总线CPU到音频编解码器音频串口3的位时钟			I2S AP TO CODEC ASP3 BCLK			I2S
I2S总线CPU到音频编解码器音频串口3的帧时钟			I2S AP TO CODEC ASP3 LRCLK			I2S
I2S总线CPU到音频编解码器音频串口3的数据输入			I2S CODEC ASP3 TO AP DIN			I2S
I2S总线CPU到音频编解码器音频串口3的数据输出			I2S AP TO CODEC ASP3 DOUT			I2S

Force DFU iPhone 11



APPLE IPHONE 11

FORCE DFU



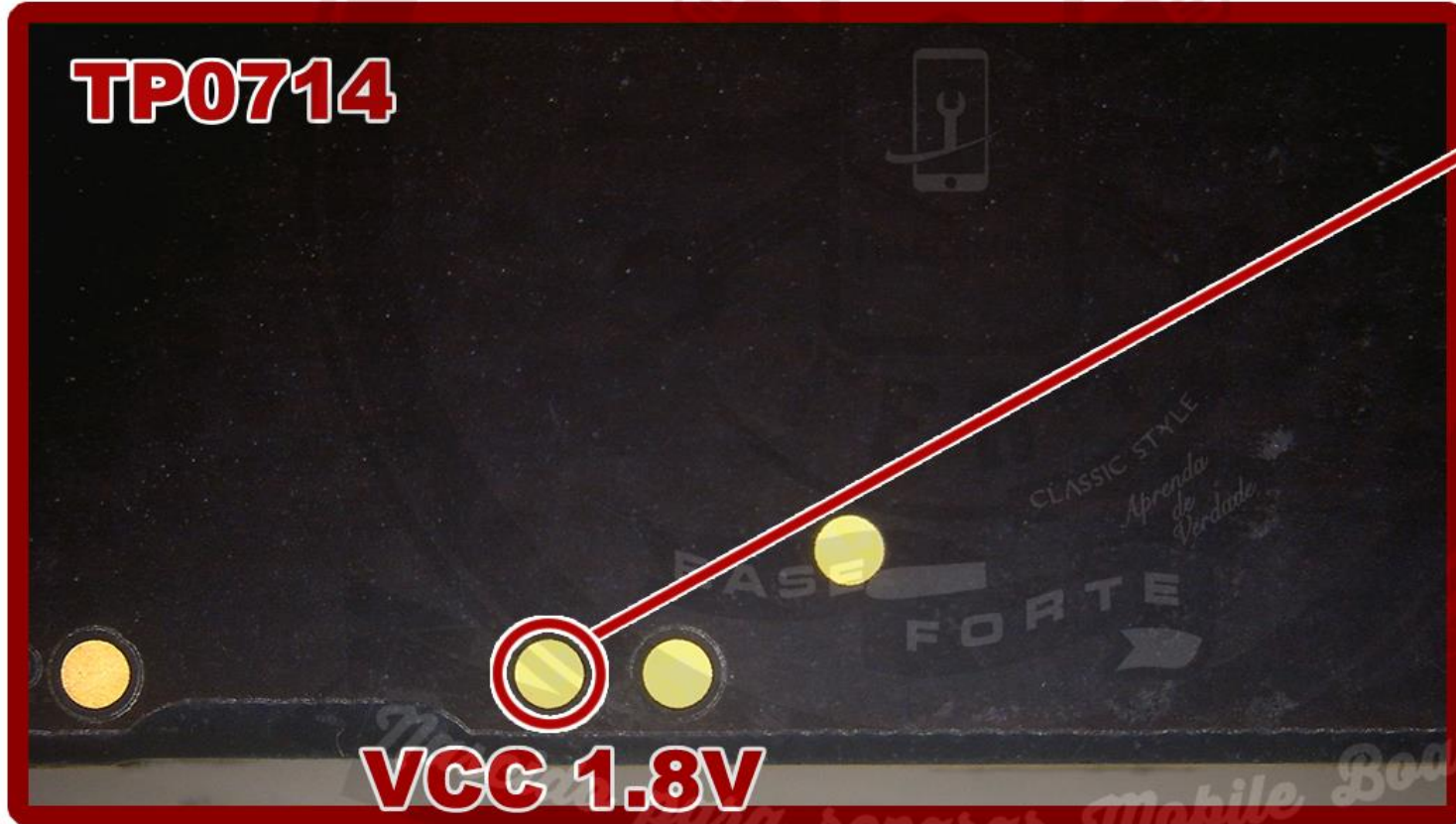
820-01523-A

820-01525-A

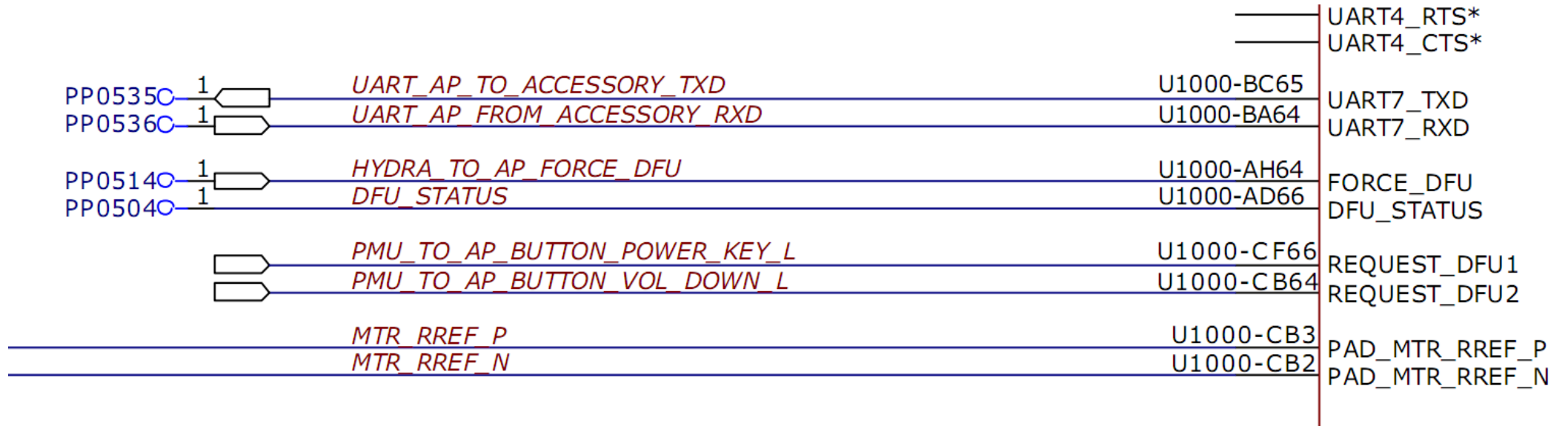


TP0714

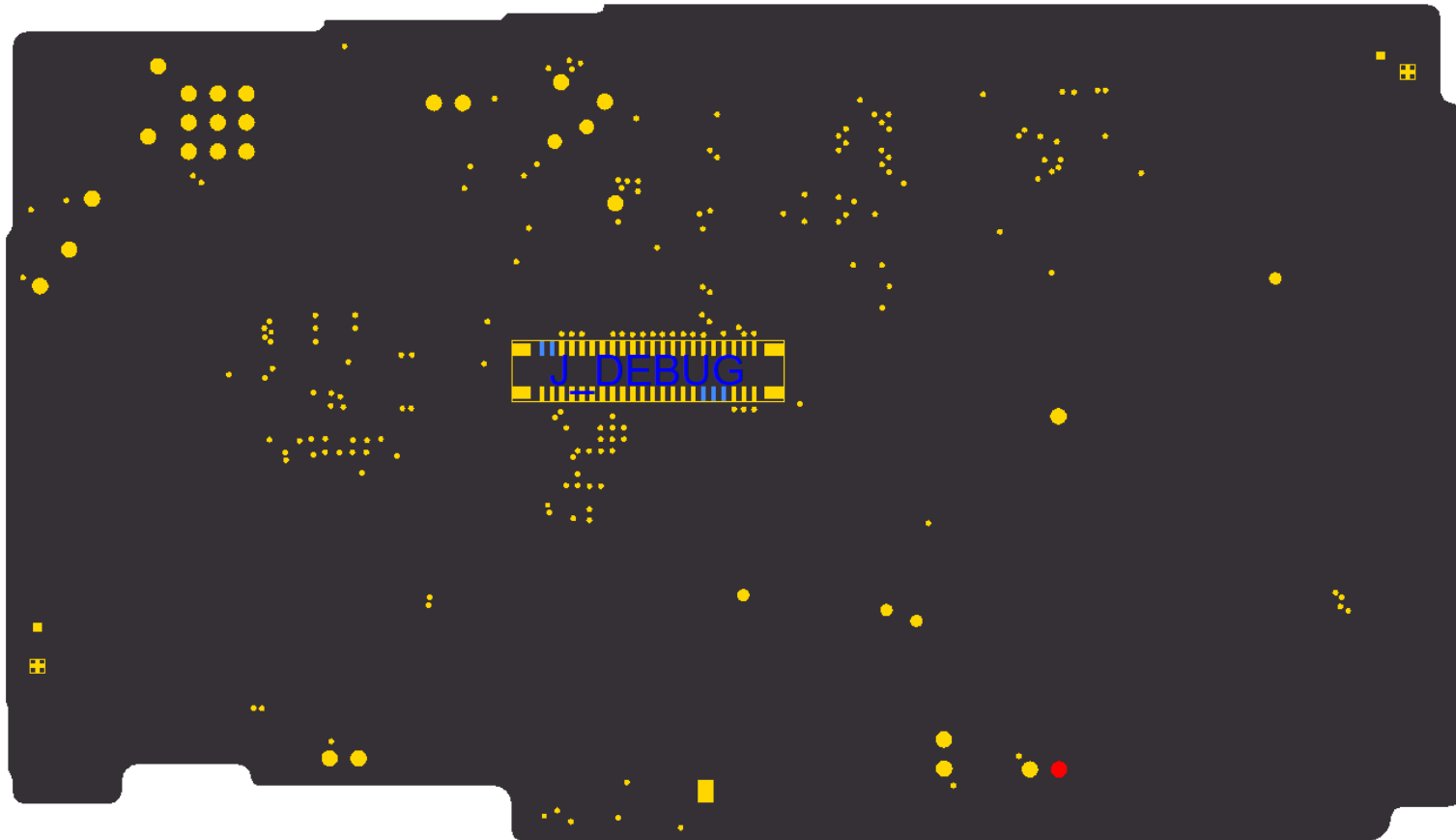
VCC 1.8V



Force DFU iPhone 11 PRO



Force DFU iPhone 11 PRO

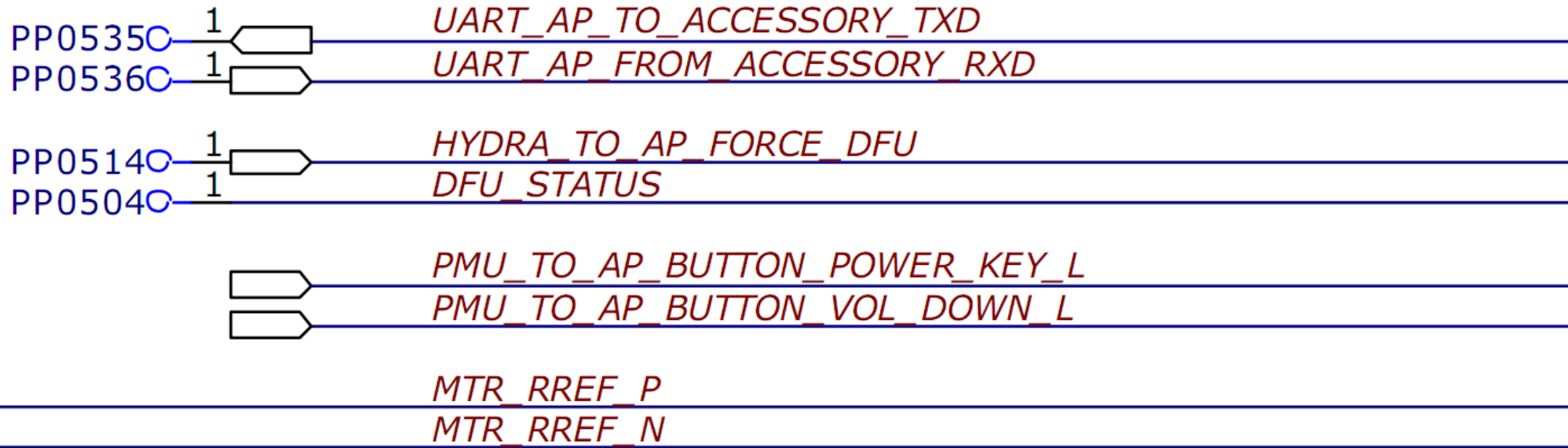


APPLE IPHONE 11 PRO

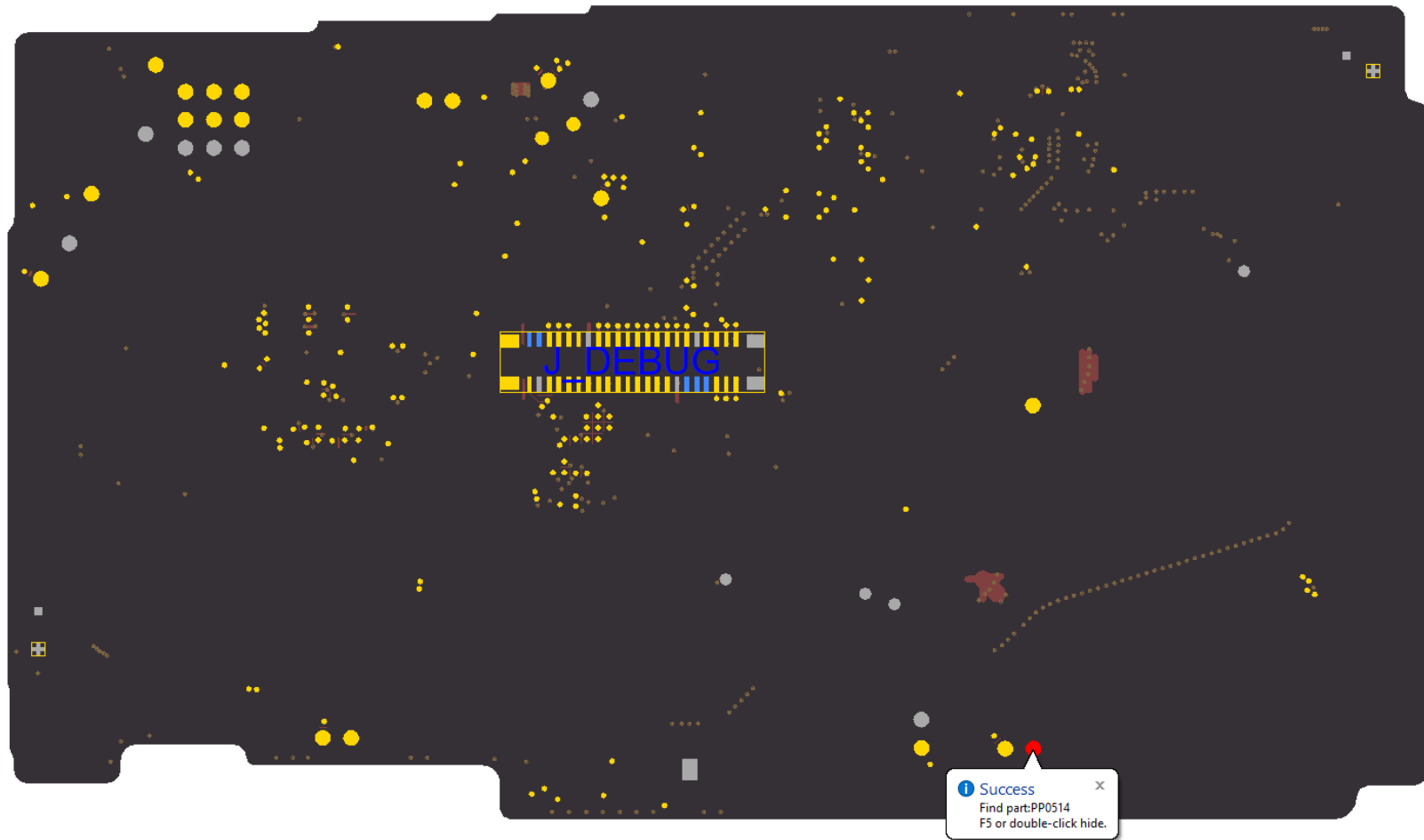
FORCE DFU



Force DFU iPhone 11 PRO MAX



Force DFU iPhone 11 PRO MAX



APPLE IPHONE 11 PRO MAX

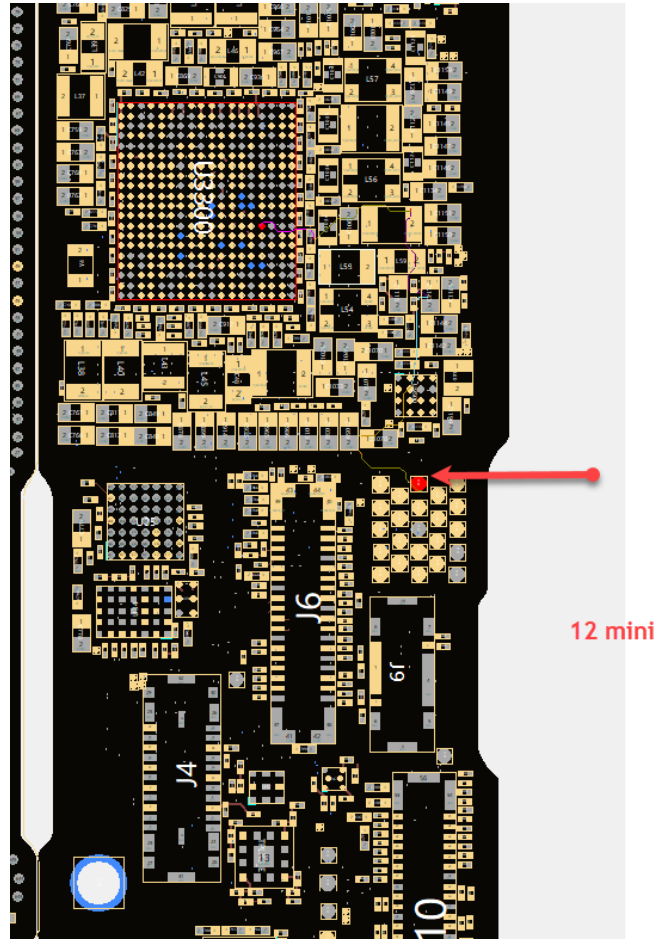
FORCE DFU



820-01682-08



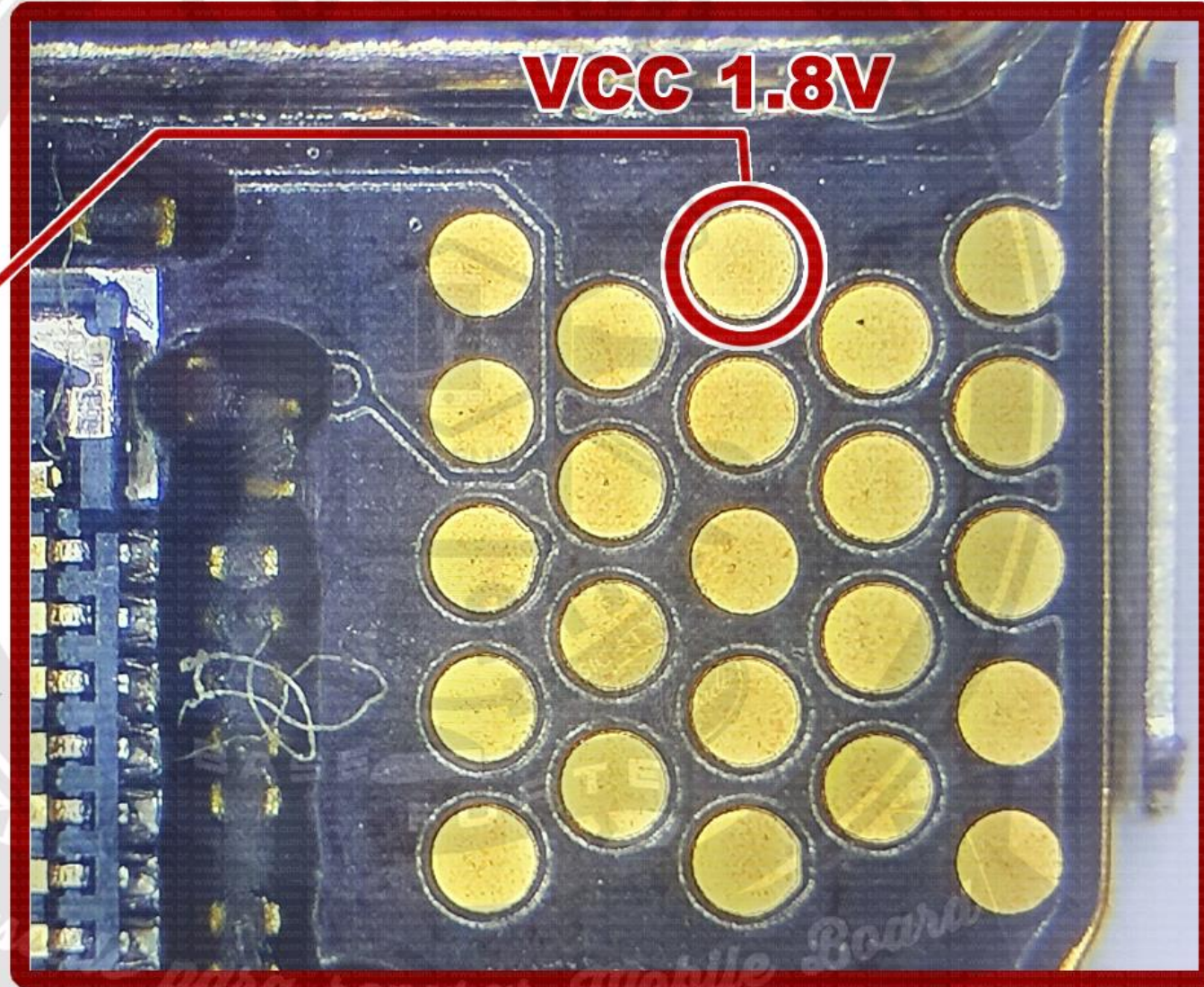
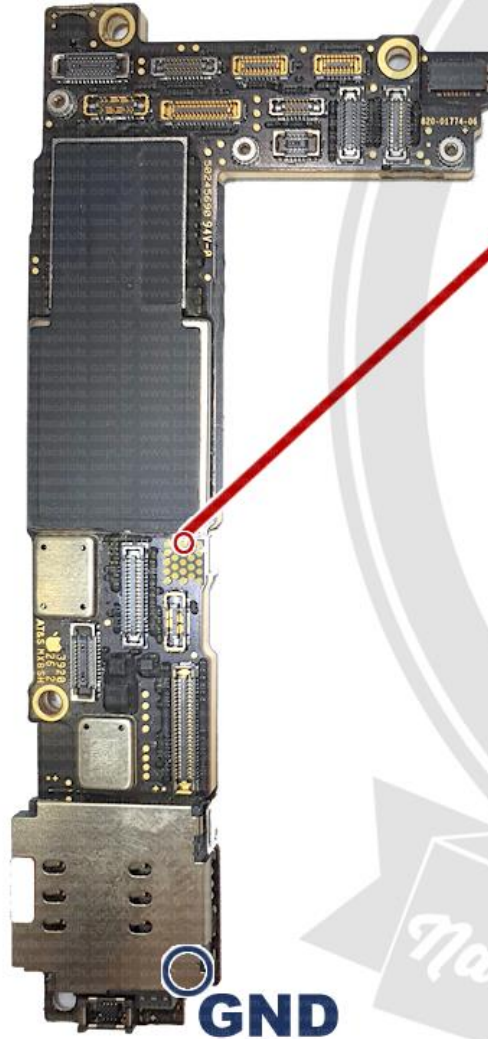
Force DFU iPhone 12 MINI



APPLE IPHONE 12 MINI

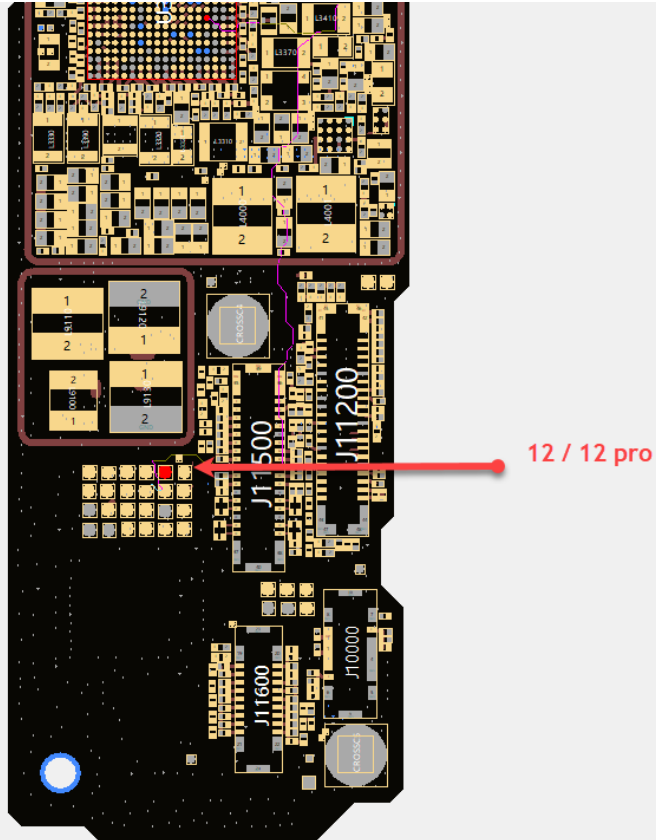
CONECTOR BOARD 820-01774-06 PLACA SEM BATERIA SEM ACESSÓRIOS/DISPOSITIVOS

FORCE DFU



GND

Force DFU iPhone 12, iPhone 12 Pro



65 ANALOG_VDD_MAIN_OV_R

TP12675
1 A
TP-P55
ROOM=TEST

23 8 IO_SOC_FROM_PMU_KRAKEN_FORCE_DFU

TP12680
1 A
TP-P55
ROOM=TEST

7
1

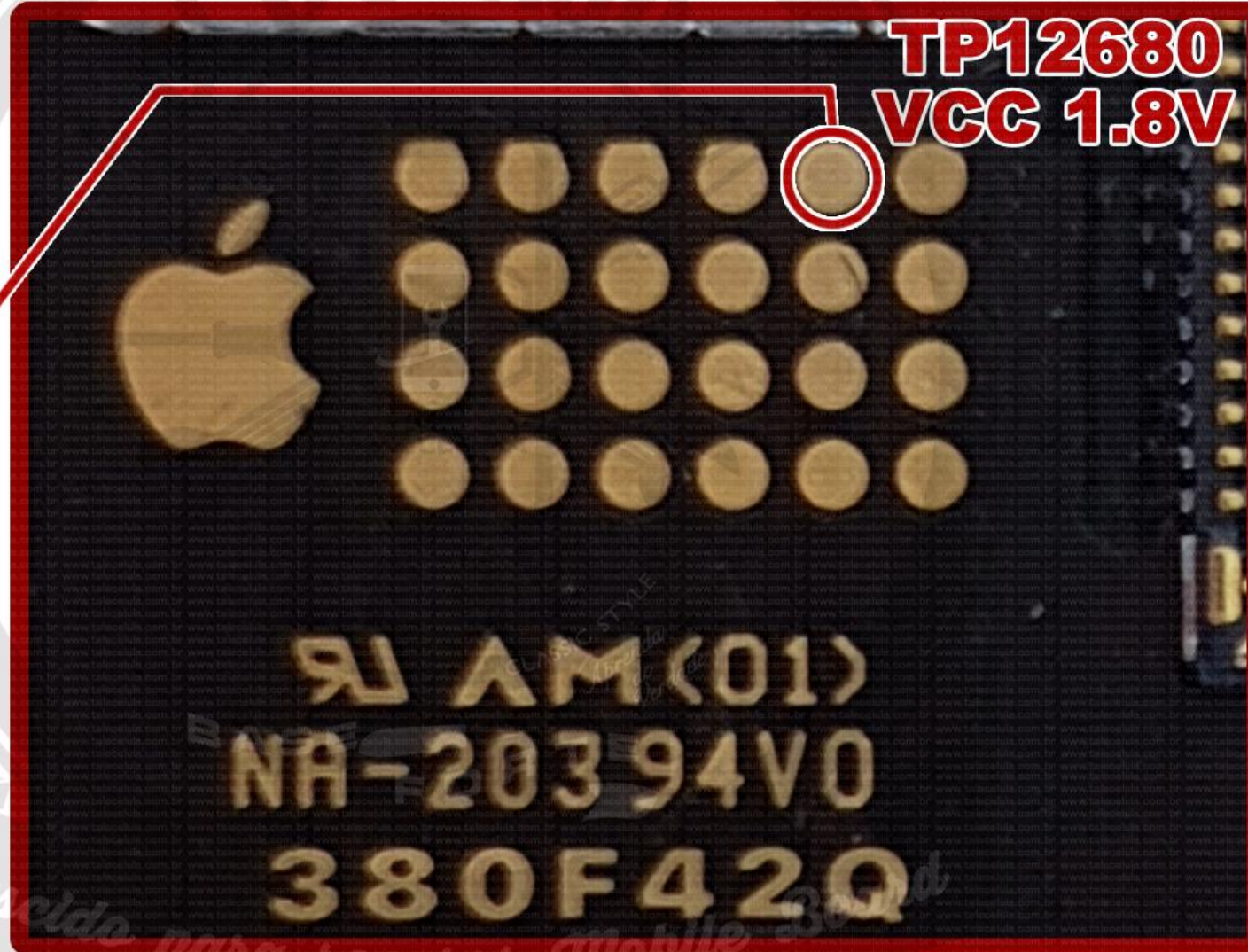
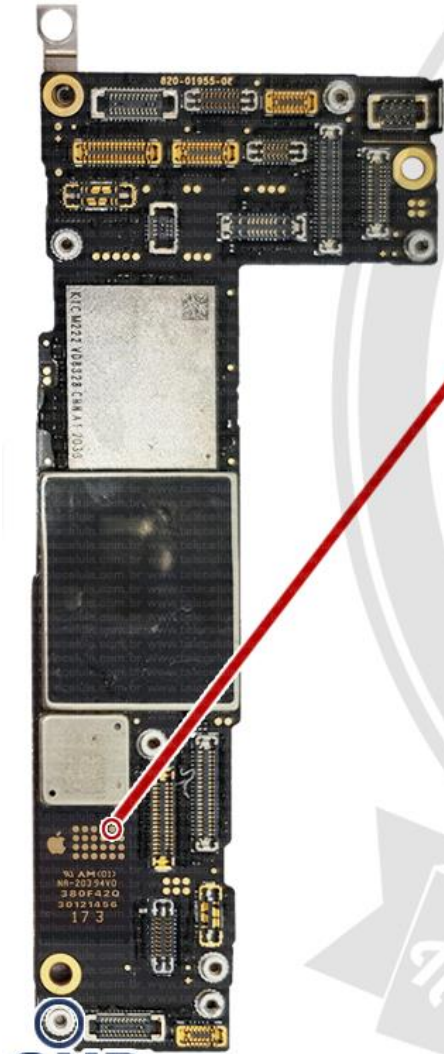
APPLE IPHONE 12 / 12 PRO

CONECTOR BOARD 820-01970-09 PLACA SEM BATERIA SEM ACESSÓRIOS/DISPOSITIVOS

FORCE DFU



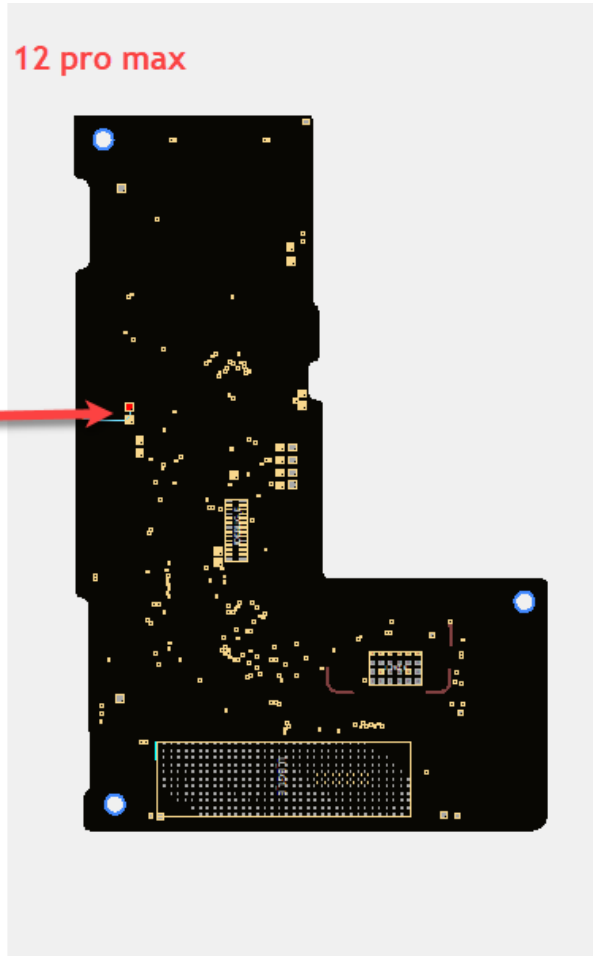
TELECÉLULA
SMARTCURU
LOCALIZADOR DE FALHAS



GND

Masclde para reparar mobile

Force DFU iPhone 12 Pro Max



DFU

14 IO_SOC_FROM_PMU_KRAKEN_FORCE_DFU

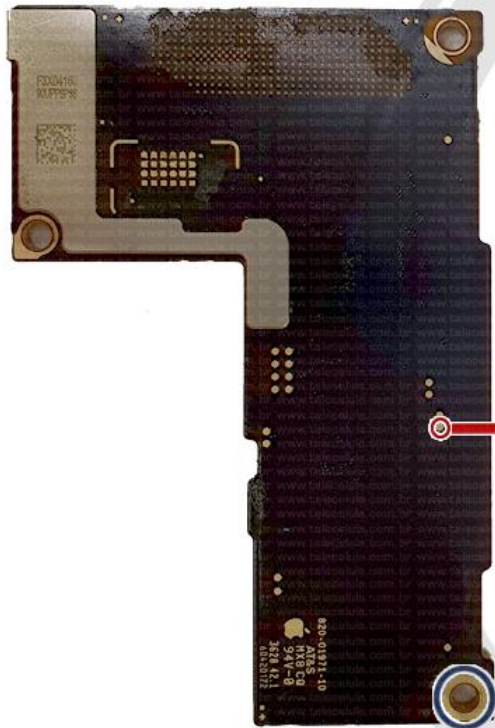
TP12680
1 A
TP-P55
ROOM=TEST

Power/GND

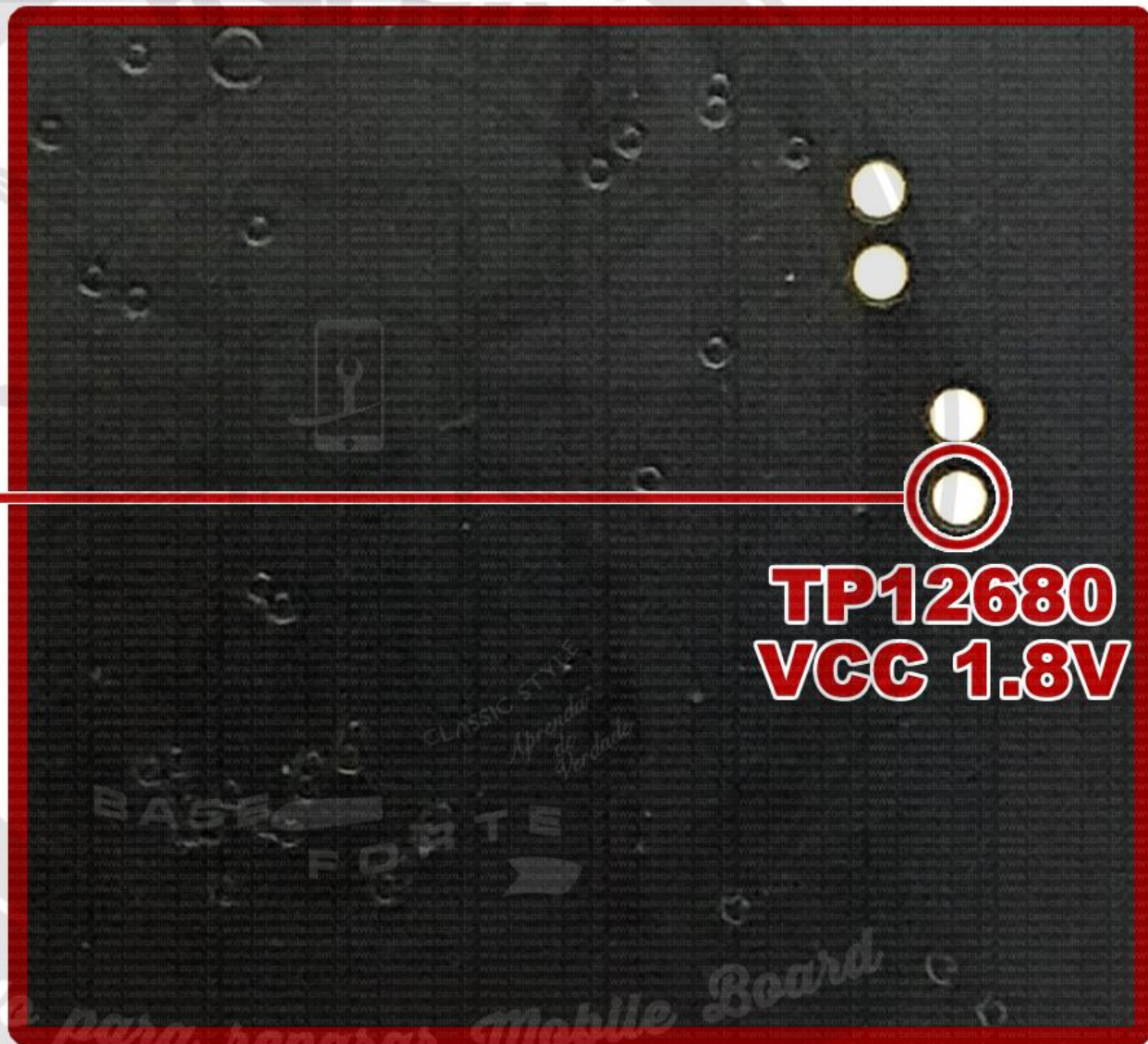
APPLE IPHONE 12 PRO MAX

PADS BOARD 820-01940-11 PLACA SEM BATERIA SEM ACESSÓRIOS/DISPOSITIVOS

FORCE DFU



GND

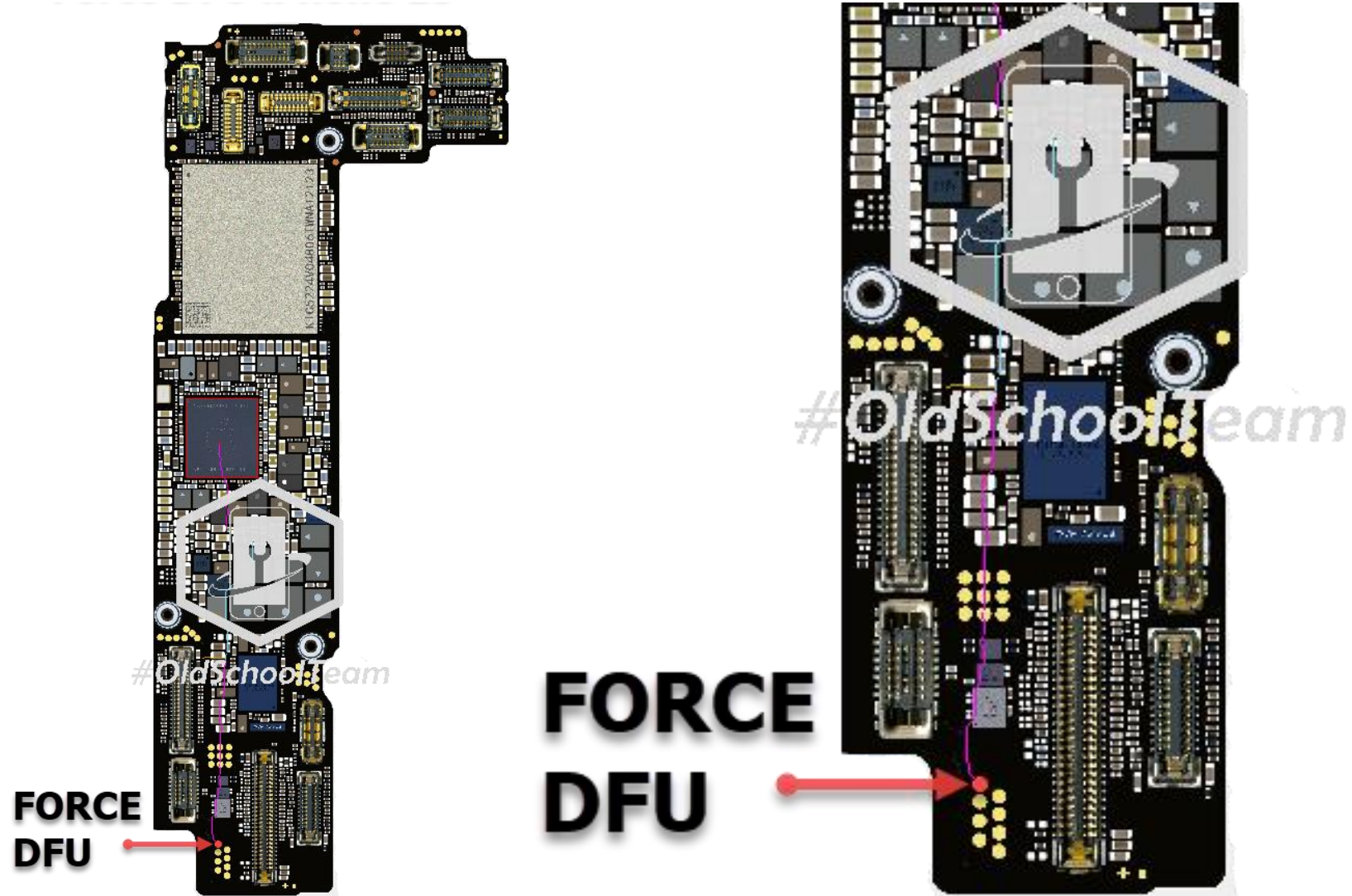


TP12680
VCC 1.8V

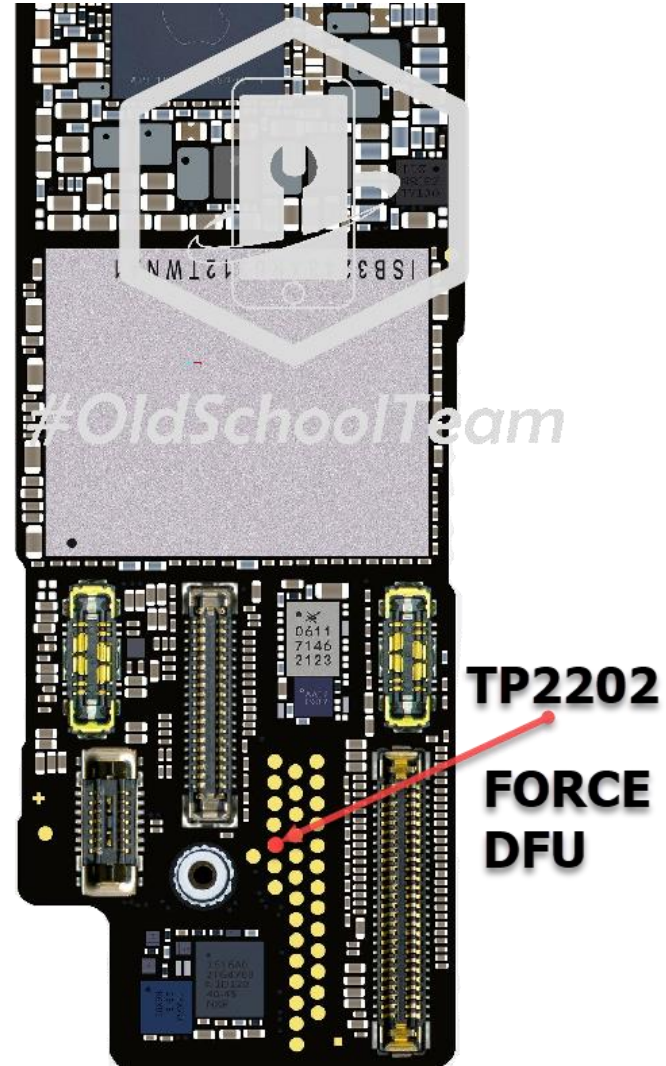
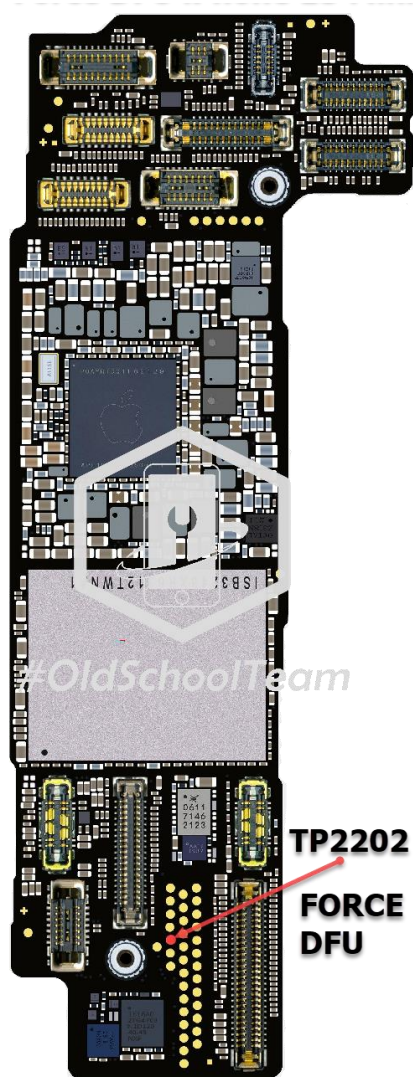
Mascida

para reparar Mobile Board

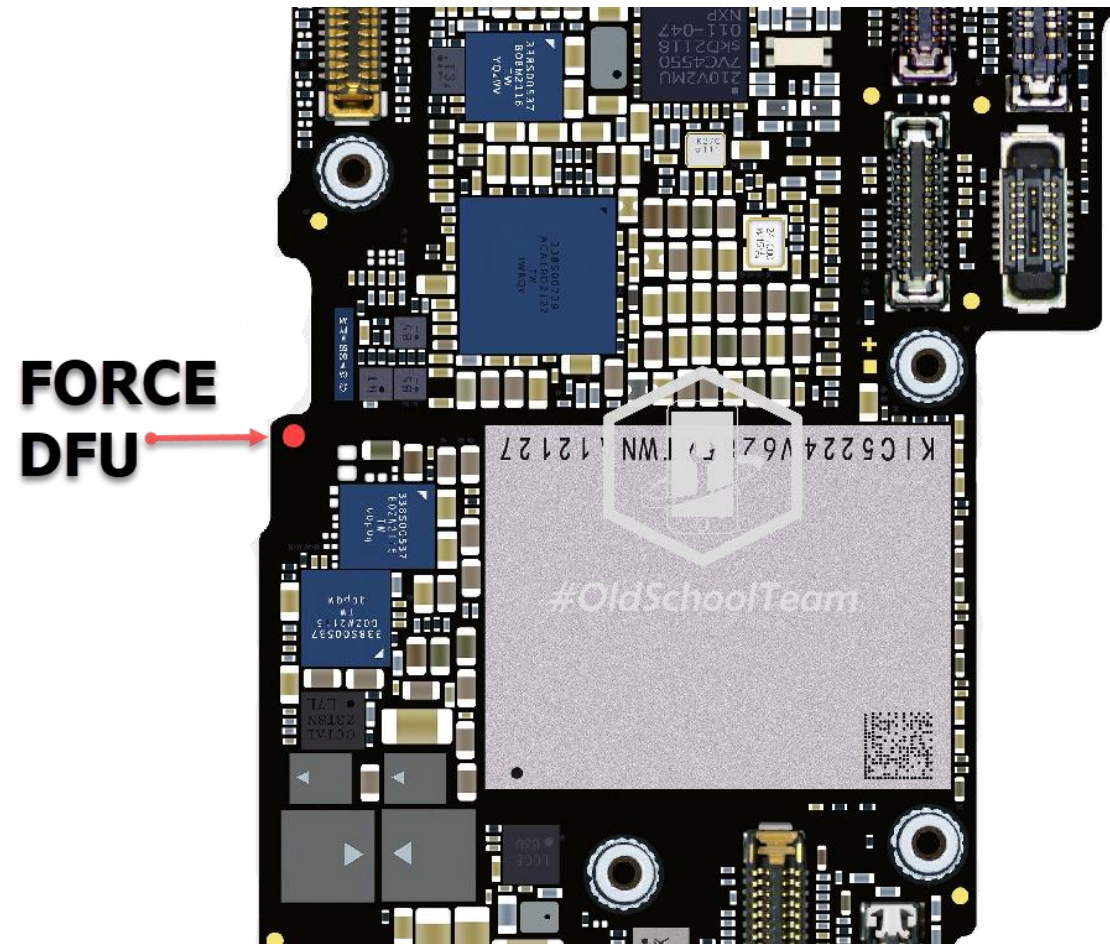
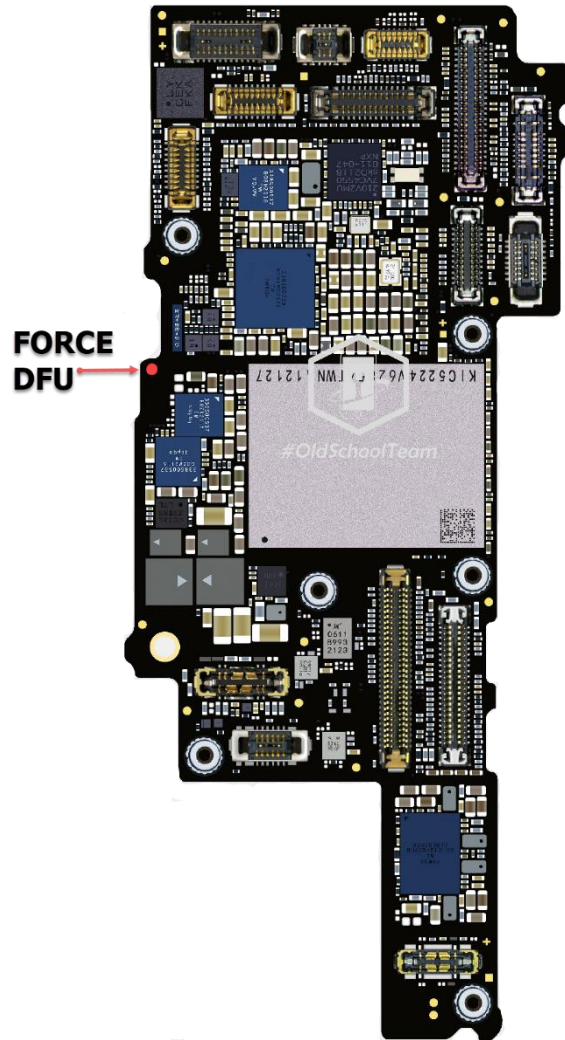
Force DFU iPhone 13



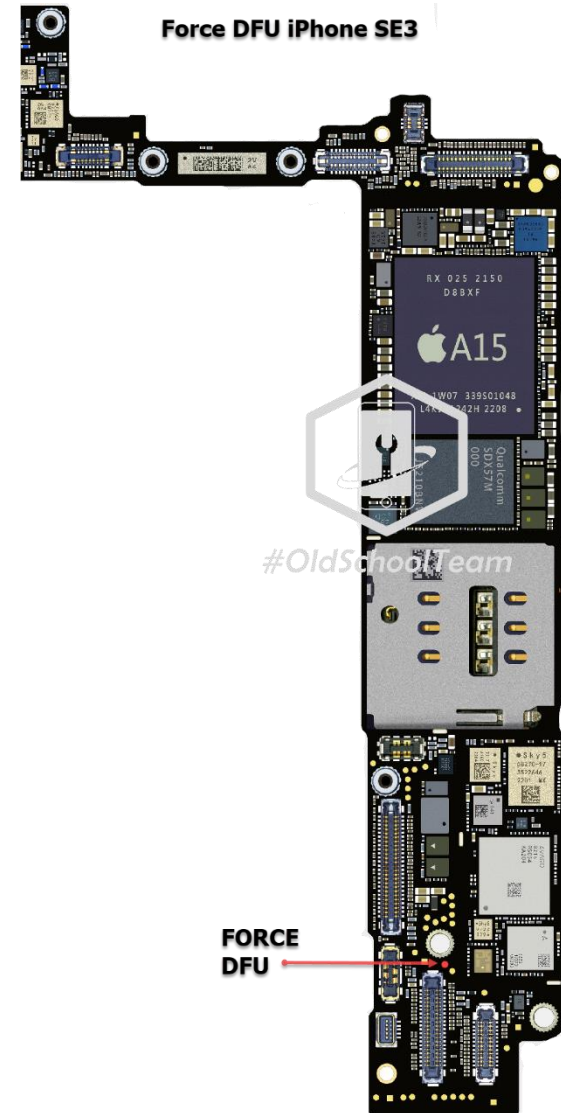
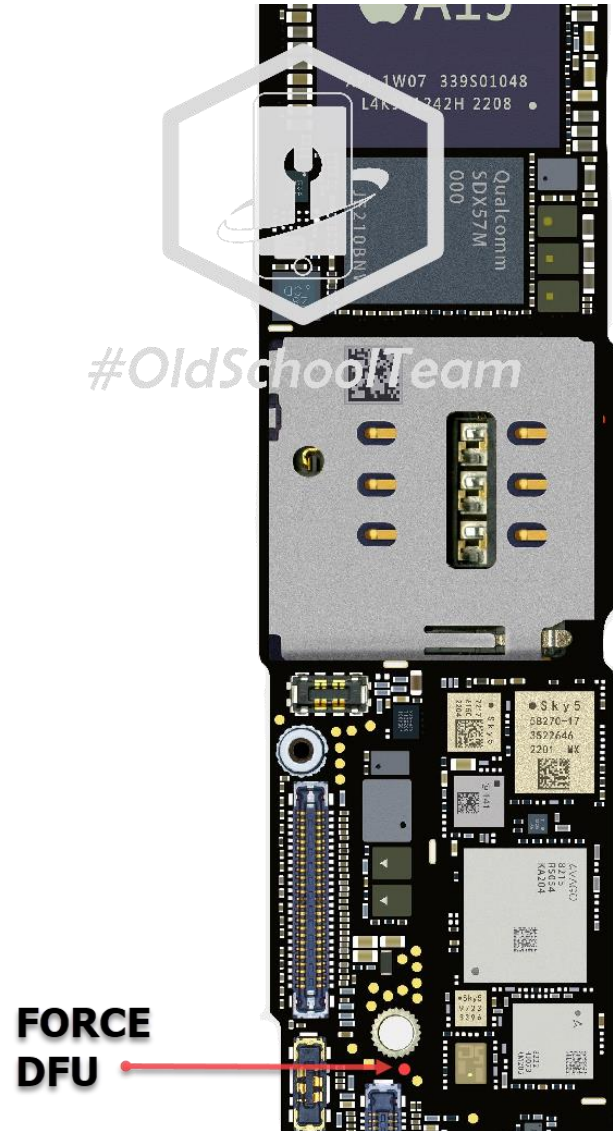
Force DFU iPhone 13 Mini



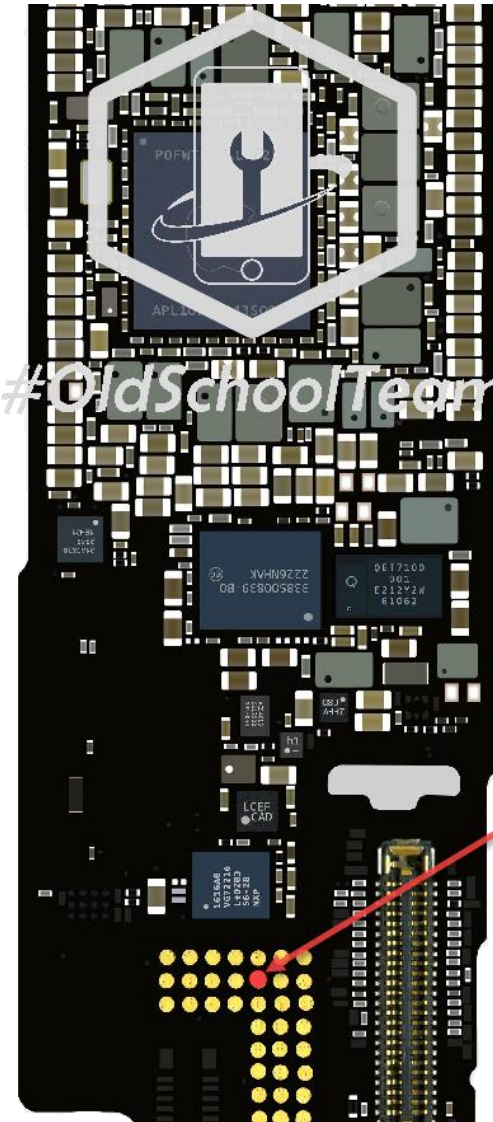
Force DFU iPhone 13 PRO



Force DFU iPhone Se 3

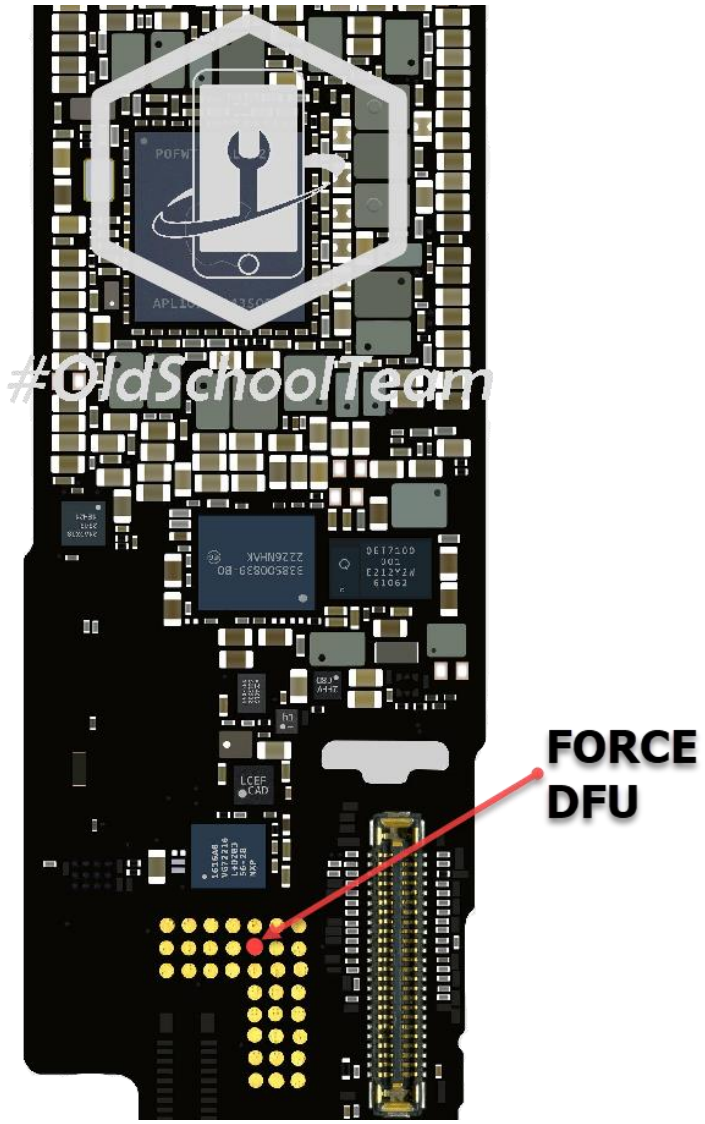


Force DFU iPhone 14

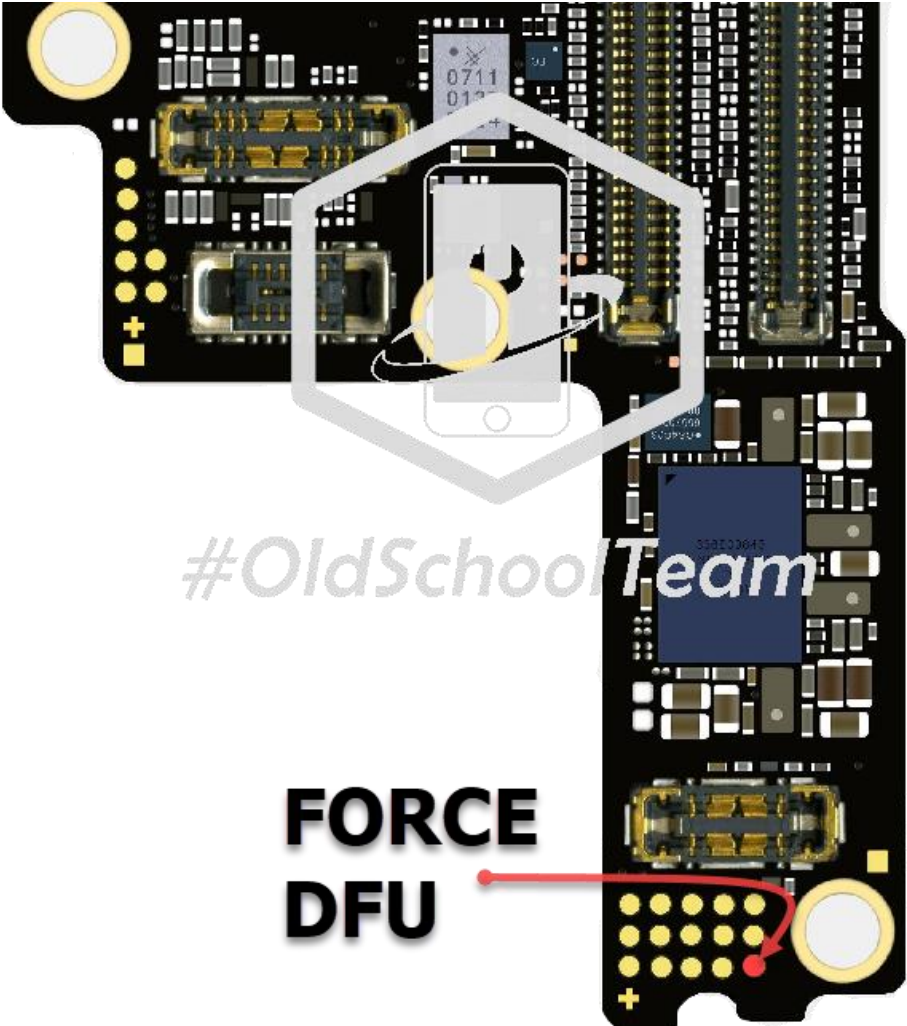
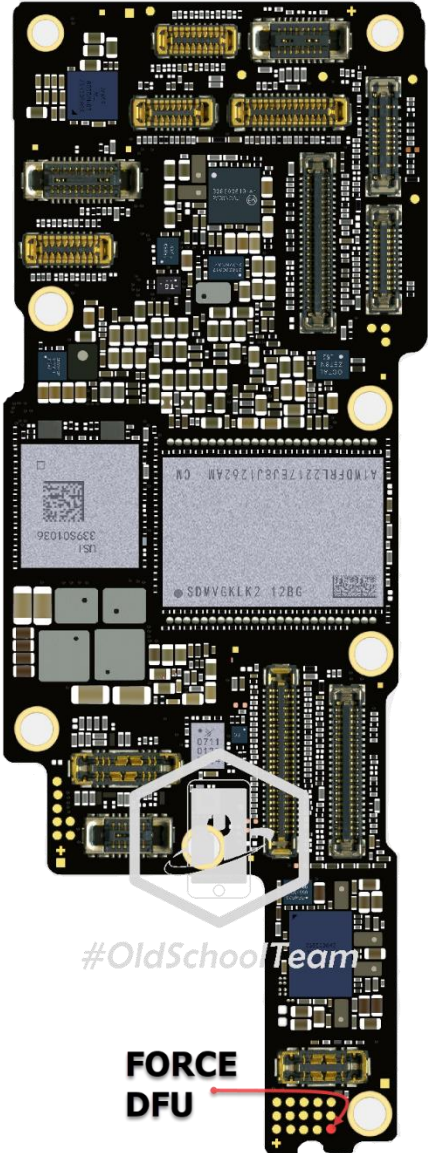


**FORCE
DFU**

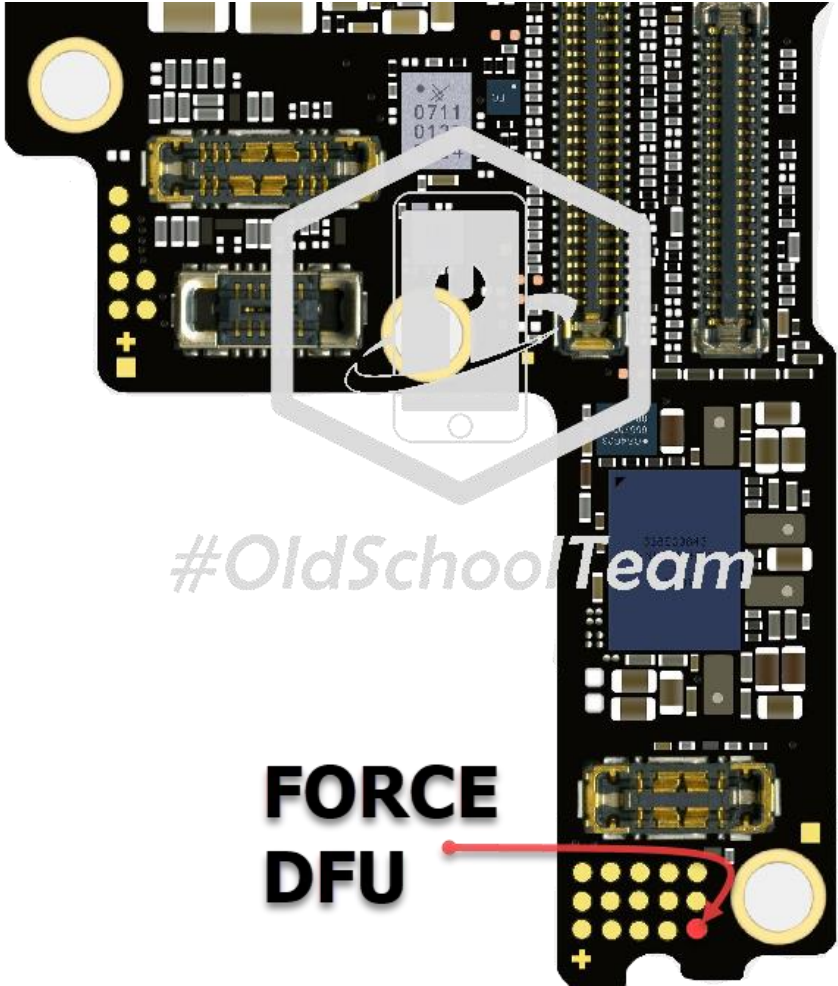
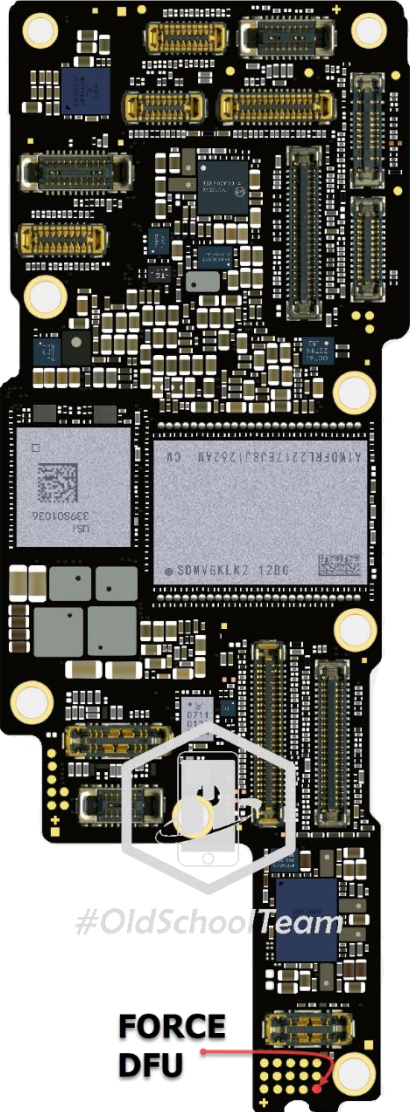
Force DFU iPhone 14 Plus



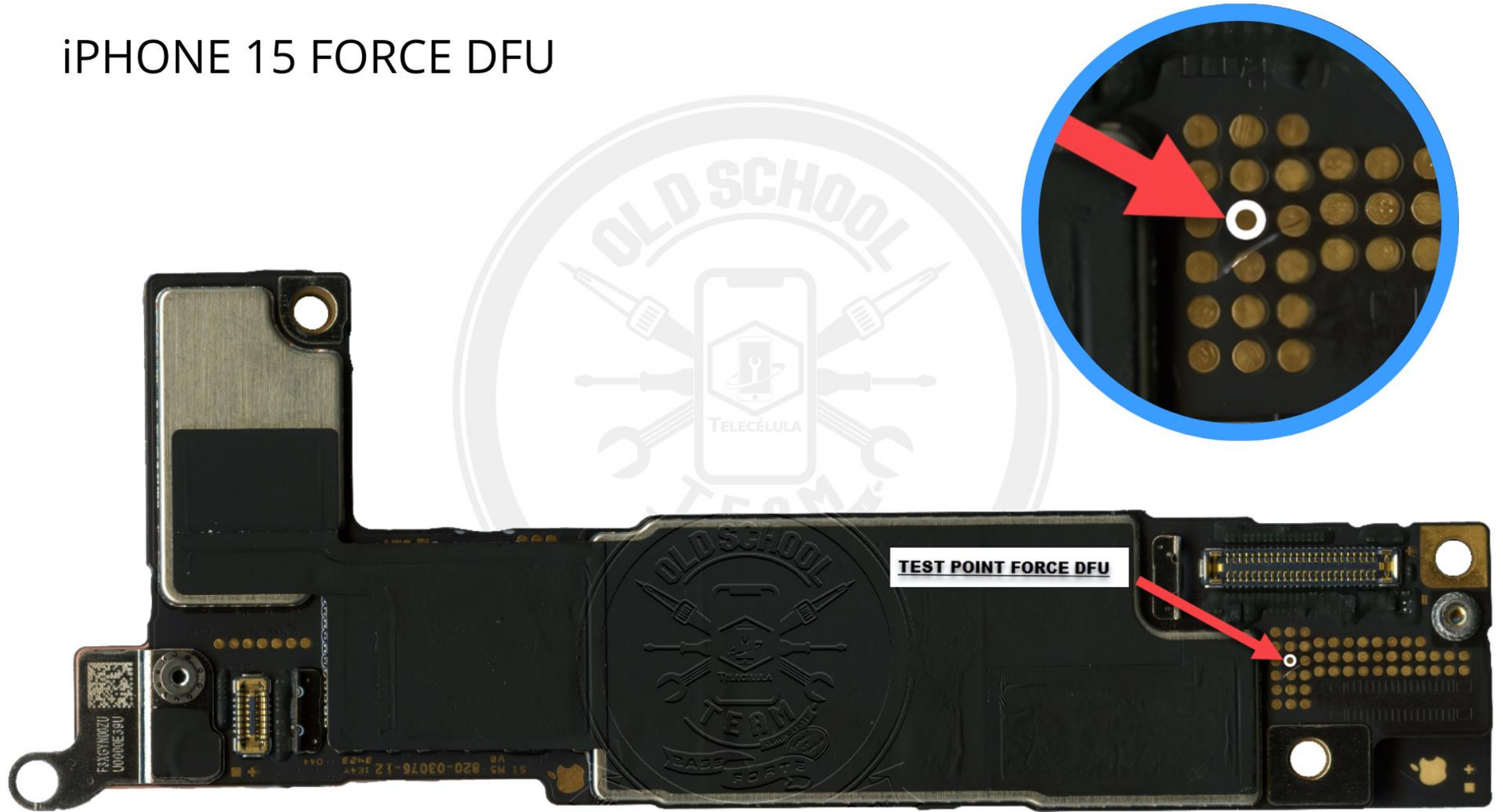
Force DFU iPhone 14 Pro



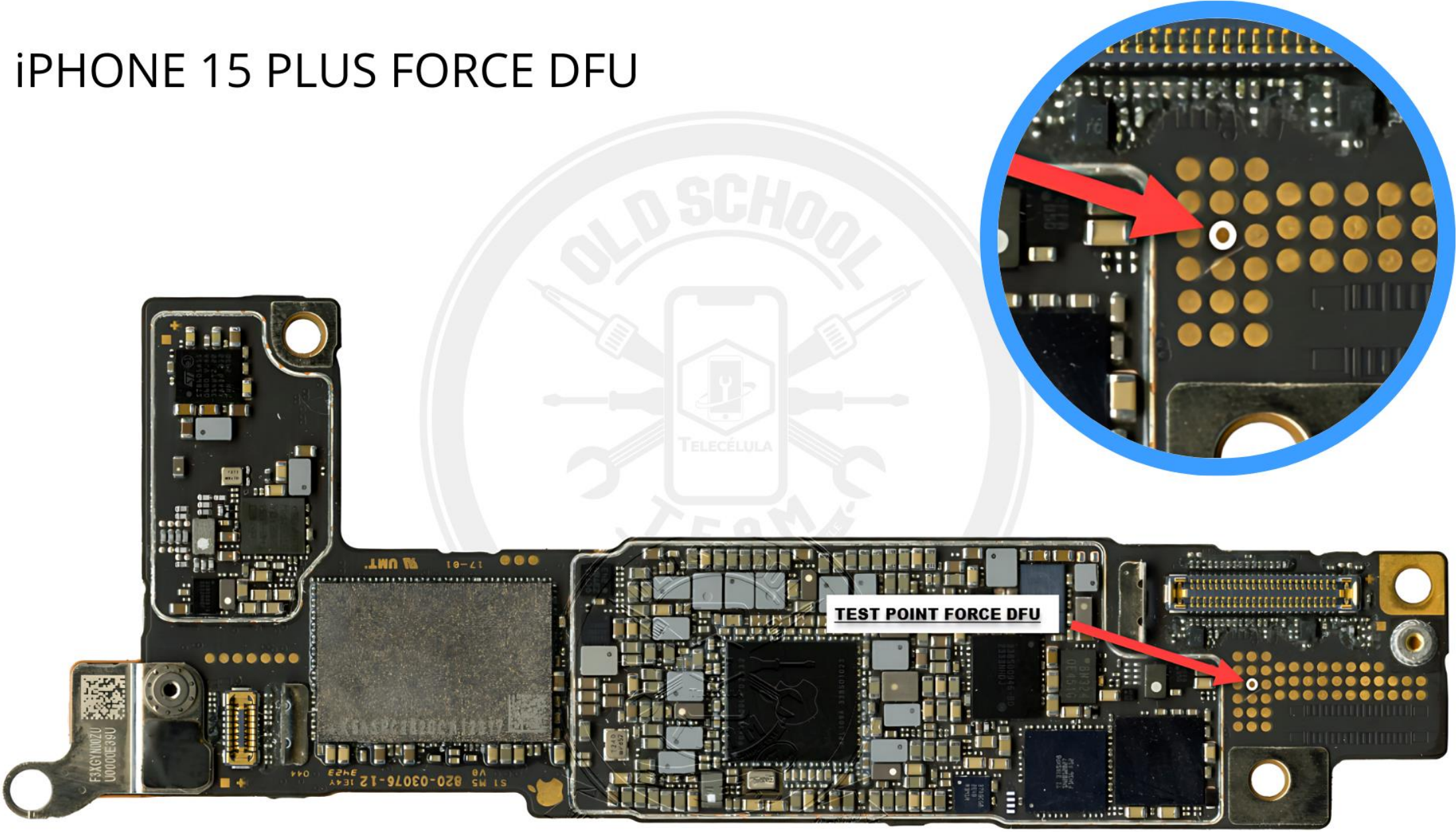
Force DFU iPhone 14 Pro Max



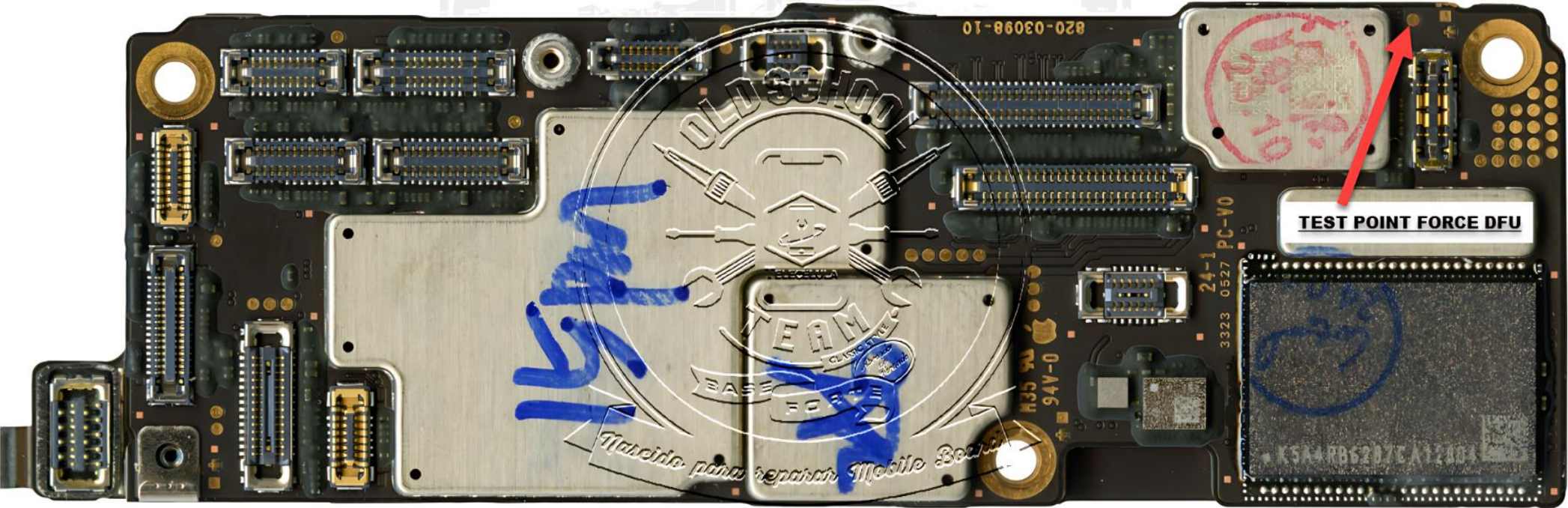
iPHONE 15 FORCE DFU



iPHONE 15 PLUS FORCE DFU



iPHONE 15 PRO FORCE DFU



iPHONE 15 PRO MAX FORCE DFU

