



Telefone Celular GSM GT-I8190

MANUAL DE SERVIÇO

Telefone Celular GSM



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Aviso

Toda a funcionalidade, recursos, especificações e outras informações do produto disponibilizadas neste documento incluindo, mas não limitadas a benefícios, projeto, precificação, componentes, desempenho, disponibilidade e capacidades do produto estão sujeitas a alterações sem aviso prévio ou obrigações. A Samsung se reserva o direito de fazer alterações neste documento e no produto aqui descritos, a qualquer tempo, sem obrigação da Samsung de fornecer o aviso de tal mudança.

1. Funções do Produto

Funções principais

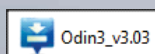
- **Sistema Operacional Android: Jelly Beans**
- **HSDPA 14,4Mbps / HSUPA 5,76Mbps**
- **5MP AF com Flash LED**
- **3.97" S-AMOLED OCTA (Capacitivo)**
- **A-GPS / BT v4.0 USB v2.0 / WiFi (802.11 a/b/g/n)**
- **Definição de gravação: 1080p / Reprodução na resolução de 1080p**
- **Sensores: Acelerômetro, Eletromagnético, Giroscópio e Proximidade**
- **Adicional:**
 - **CPU Dual Core 1GHz**
 - **Aplicativos / Preciso UI de Movimento**
 - **Ultra fino sem junções**

2. Download de Programa

2-1 Download GT-I8190L

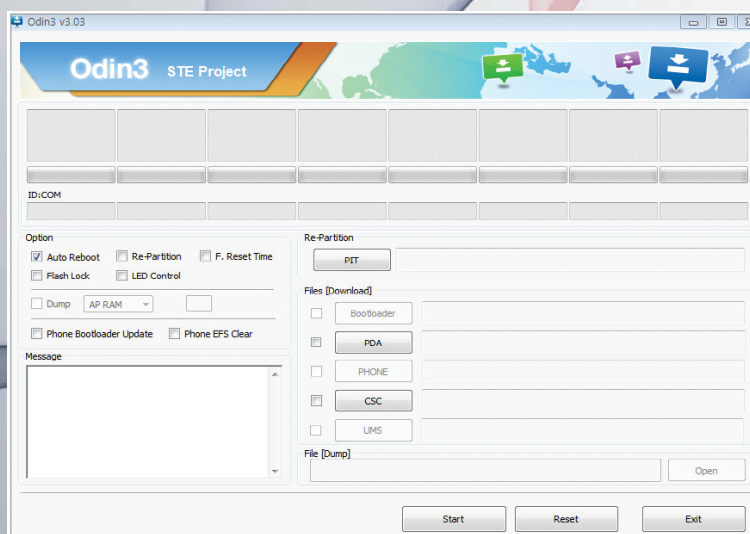
Download GT-I8190L

Dê um duplo clique no ícone do programa de downloader do GT-I8190L.



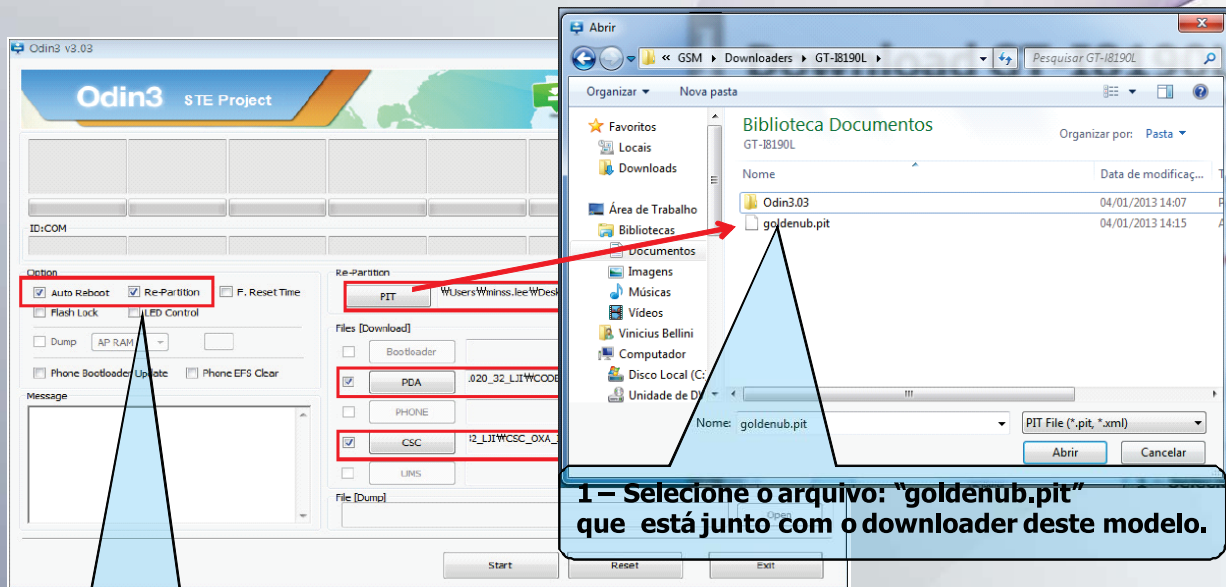
OBS: O driver USB que esta junto com o downloader deste aparelho deve ser instalado antes do procedimento de download. *Se você já o instalou, não é necessário reinstalar

OBS: Será utilizado para este procedimento o próprio cabo de dados USB do aparelho. Certifique-se de que a bateria do aparelho esteja carregada, para que o processo de download não seja interrompido.



2-1 Download GT-I8190L(cont.)

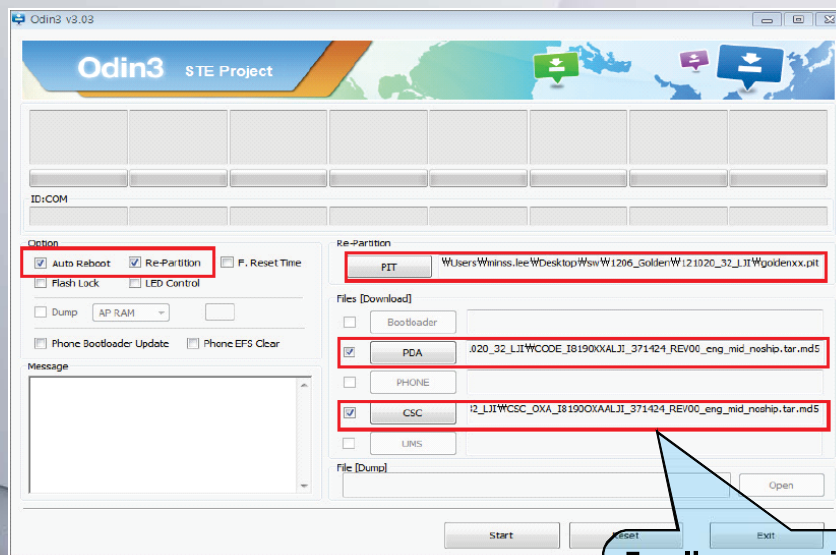
Download GT-I8190L



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2-1 Download GT-I8190L(cont.)

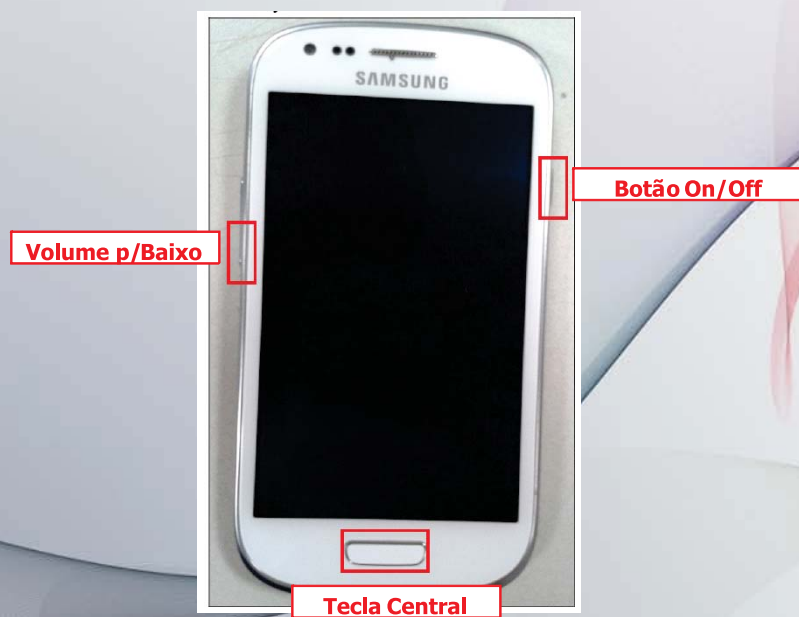
Download GT-I8190L



Escolha os arquivos PDA (CODE) e CSC (CSC) correspondentes a última versão da operadora desejada
Obs: Não escolha o CSC_HOME

2-1 Download GT-I8190L(cont.)

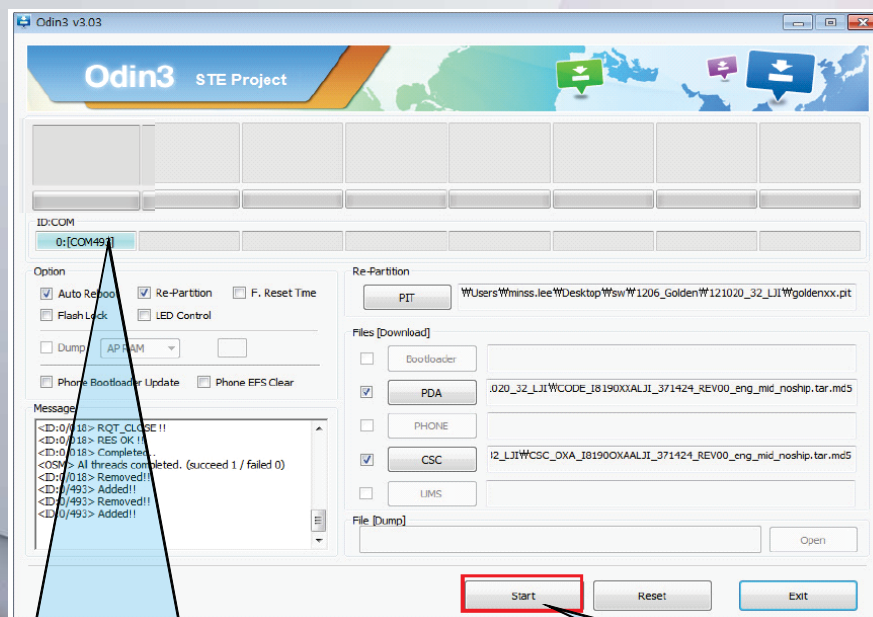
Download GT-I8190L



Pressione **Volume p/Baixo + Tecla Central + Botão On/Off** até entrar na tela de download, pressione **volume p/cima** para confirmar esta opção.

2-1 Download GT-I8190L(cont.)

Download GT-I8190L

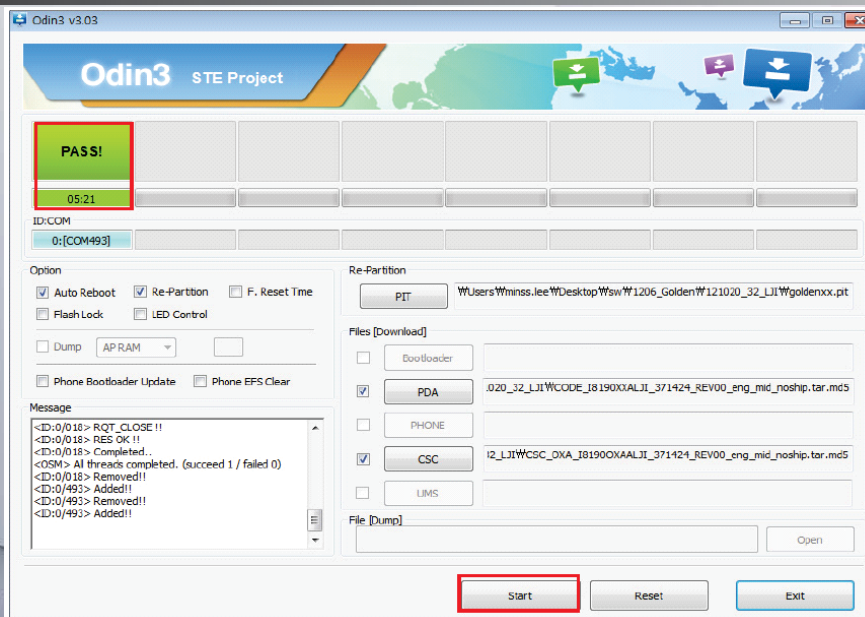


1 – Ao conectar o aparelho no cabo de dados e no computador, o mesmo reconhecerá o aparelho, mostrando a porta COM escolhida

2 – Pressione "Start"

2-1 Download GT-I8190L(cont.)

Download GT-I8190L



Execute o reset:

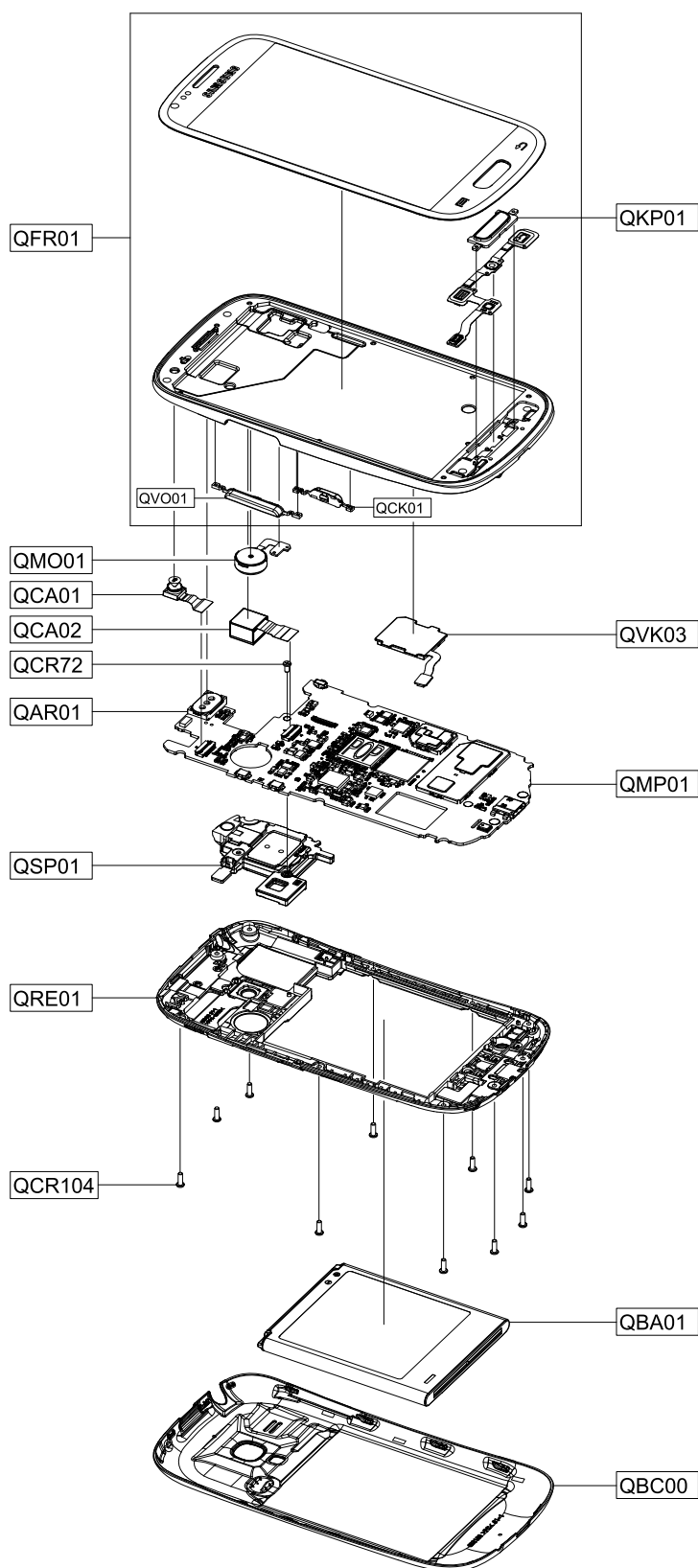
Apps -> Config. -> Fazer o backup e redefinir -> Restaurar padrão de fábrica

Verifique se foi executado o download da versão correta de software, digitando a seguinte sequência de teclas:

***#1234#**

3. Vista Explodida do Aparelho e sua Lista de Peças

3.1 Vista explodida do celular GT-I8190L



3.2 Lista de peças do aparelho (GT-I8190RWLZTO - Branco)

Posição	Código	Descrição
QAR01	GH59-12842A	Módulo-FPCB Receptor (GT-I8190);GT-I8190,EMR1
QBA01	GH43-03795A	Bateria interna-Principal,1500MAH,EUR;EB-F
QBC00	GH61-01860A	Tampa Gabinete-Bateria;GT-I8190,PC,BRANCA,121.17
QCA01	GH96-05776A	Cjto. Câmera-5M 1/4"(GT-S7562);GT-S7562,E
QCA02	GH59-12809A	Módulo da Câmera-1/10_VGA (GT_I8190);CN7349
QCK01	GH64-01221A	Tecla-POWER;GT-I8190,PC,21.98*3.14,BRANCA
QCR104	6001-002667	Parafuso;M1.4,L4,SILVER,SWCH18A,Cla
QCR72	6001-002051	Parafuso;PH,+,M1.4,L2.5,NI PLT,SWRC
QFR01	GH97-14204A	Frontal-Cjto. OCTA LCD (SVC/RW);GT-I8190
QM001	GH31-00624A	Motor DC-GT_I8190;YB1030SYC,12500,3.0V,8
QMP01	GH82-06961A	Cjto.-PBA Principal (TPA);GT-I8190/L,TPA,S
QRE01	GH98-25787A	Cjto. Gabinete Traseiro(LATIN);GT-I8190,LATIN OPE
QRF01	GH68-35419A	Etiqueta-RF VOID_BRAZ;GT-E1086,BRAZ,2 MIL T
QSP01	GH59-12841A	Módulo-Alto-falante + Gabinete(GT-I8190);GT-I8190,
QVK03	GH59-12843A	FPCB Tecla-T_FLASH (GT-I8190);GT-I8190,VMI
QVO01	GH64-01220A	Tecla-VOLUME;GT-I8190,PC,31.43*3.48,BRANCA

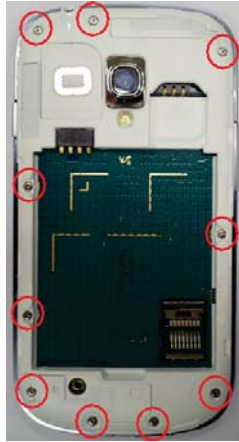
3.3 Lista de peças do aparelho (GT-I8190MBLZTO - Azul)

Posição	Código	Descrição
QAR01	GH59-12842A	Módulo-FPCB Receptor (GT-I8190);GT-I8190,EMR1
QBA01	GH43-03795A	Bateria interna-Principal,1500MAH,EUR;EB-F
QBC00	GH61-02295A	Tampa Gabinete-Bateria BLU V1;GT-I8190,PC,AZUL,
QCA01	GH96-05776A	Cjto. Câmera-5M 1/4"(GT-S7562);GT-S7562,E
QCA02	GH59-12809A	Módulo da Câmera-1/10_VGA (GT_I8190);CN7349
QCK01	GH64-01221B	Tecla-POWER;GT-I8190,PC,21.98*3.14,AZUL
QCR104	6001-002667	Parafuso;M1.4,L4,SILVER,SWCH18A,Cla
QCR72	6001-002051	Parafuso;PH,+,M1.4,L2.5,NI PLT,SWRC
QFR01	GH97-14204B	Frontal-Cjto. LCD ASSY(SVC/MB);GT-I8190
QMO01	GH31-00624A	Motor DC-GT_I8190;YB1030SYC,12500,3.0V,8
QMP01	GH82-06961A	Cjto.-PBA Principal (TPA);GT-I8190/L,TPA,S
QRE01	GH98-25787B	Cjto. Gabinete Traseiro(LTN/BLUE);GT-I8190,LATIN
QRF01	GH68-35419A	Etiqueta-RF VOID_BRAZ;GT-E1086,BRAZ,2 MIL T
QSP01	GH59-12841B	Módulo-Alto-falante + Gabinete(GT-I8190)_BLACK;GT-
QVK03	GH59-12843A	FPCB Tecla-T_FLASH (GT-I8190);GT-I8190,VMI
QVO01	GH64-01220B	Tecla-VOLUME;GT-I8190,PC,31.43*3.48,AZUL

3.4 - Procedimentos de Desmontagem

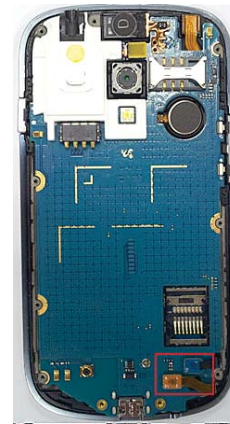
1

- 1) Solte, na parte traseira, os parafusos nos dez(10) pontos indicados.
(Tamanho: M1,4x4-código 6001-002667)
- 2) Desmonte a parte traseira.



2

- 1) Desacople os conectores (dois(2) pontos).



3

- 1) Desmonte a PBA (direita para a esquerda).
- 2) Desacople o conector do LCD (um(1) ponto).



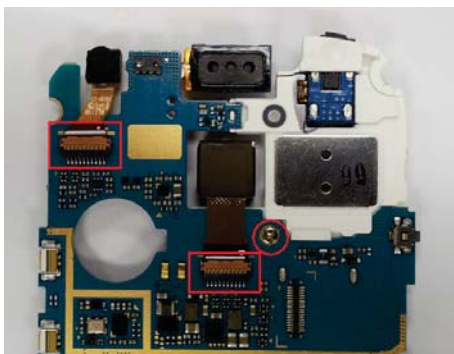
4

- 1) Suporte + Módulo LCD
O LCD e Suporte não podem ser separados na condição normal.



5

- 1) Desacople os conectores da câmera (dois(2) pontos).
- 2) Retire o parafuso na PBA (Um(1) ponto).
(Tamanho: M1,4x2,5-código 6001-002051)



3.5 Procedimento de Montagem

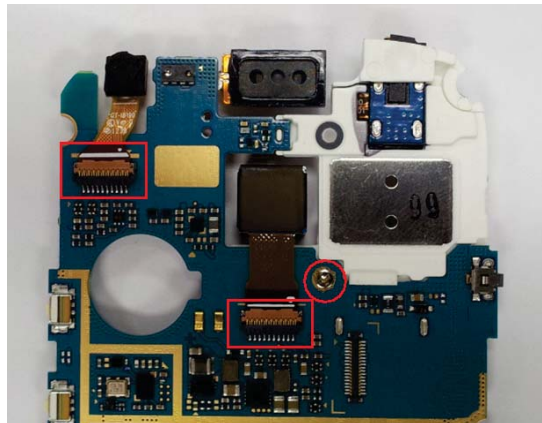
1

- 1) Posicione Suporte + Módulo LCD.
O LCD e Suporte não podem ser separados na condição normal.



2

- 1) Monte as câmeras (5Mega e VGA).
- 2) Fixe o parafuso do módulo do alto-falante (Um(1) ponto).
(Tamanho: M1,4x2,5-código 6001-002051)
(Torque: $1,0 \pm 0,1$ kgf.cm).



3

- 1) Monte o conector do LCD (Um(1) ponto).
- 2) Monte a PBA (esquerda para a direita).



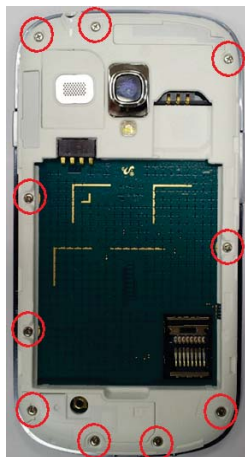
4

- 1) Monte os conectores (dois(2) pontos).



5

- 1) Monte a parte traseira.
- 2) Fixe, na parte traseira, os parafusos nos dez(10) pontos indicados.
(Tamanho: M1,4x4-código 6001-002667)
(Torque: $1,0 \pm 0,1$ kgf.cm).



4A. Listas de Peças Elétricas (GT-I8190RWLZTO - Branco)

Posição	Código	Descrição
ANT100,ANT101,ANT200	3712-001375	CONNECTOR-TERMINAL;1.5x3.0x1.3mm
ANT201	3712-001378	CONNECTOR-TERMINAL;1.5x3.0x1.5mm
BTC400	3711-008442	CONNECTOR-BATTERY;4P,2.5mm,AU,BLK,ANGLE,
C100,C101	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005
C102,C128,C130,C166,C169,C182,C247,C286	2203-005682	C-CER,CHIP;0.033nF,5%,25V,NP0,TP,0603
C103,C104,C114,C115,C116,C119,C121,C122,	2203-006681	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1005
C106,C107,C113,C117,C118,C120,C211,C224,	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,TP,1005
C108,C158,C161,C209	2203-000812	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005
C112,C214,C217,C218,C222,C280,C281,C285,	2203-006305	C-CER,CHIP;0.01nF,5%,25V,C0G,TP,0603
C123,C213	2203-008394	C-CER,CHIP;0.0082nF,0.1,25V,C0G,TR,0603,
C127,C129,C131,C151,C173,C175,C544,C558,	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,TP,1005
C134,C136	2203-005446	C-CER,CHIP;0.0027nF,0.1pF,50V,NP0,TP,100
C135,C230	2203-000627	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005
C137,C139	2203-006611	C-CER,CHIP;0.0027nF,0.25pF,25V,C0G,TP,06
C141,C142,C236,C237,C238,C243,C297	2203-006707	C-CER,CHIP;0.0047nF,0.25pF,25V,C0G,0603
C143,C148	2203-005736	C-CER,CHIP;0.1nF,5%,25V,NP0,TP,0603
C150,C152,C153,C172	2203-002443	C-CER,CHIP;0.33nF,10%,50V,X7R,TP,1005
C154,C206,C220,C362,C363,C478,C526,C530,	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005
C157	2203-002668	C-CER,CHIP;0.0005nF,0.1pF,50V,NP0,TP,100
C159,C181	2203-005288	C-CER,CHIP;0.001nF,0.1pF,50V,C0G(NP0,CH)
C162,C164,C202,C272,C317,C319,C334,C345,	2203-007271	C-CER,CHIP;2200nF,10%,10V,X5R,TP,1005
C176,C178,C562	2203-007781	C-CER,CHIP;2200nF,20%,10V,X5R,TP,1608,0
C179,C510	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608,-
C180,C215	2203-006844	C-CER,CHIP;470nF,10%,10V,X5R,TP,1005
C201,C203	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005
C204,C492,C547,C548	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005
C205	2203-007317	C-CER,CHIP;4700nF,20%,6.3V,X5R,TP,1005
C210,C282	2203-006642	C-CER,CHIP;0.33nF,10%,25V,X7R,0603
C212,C551	2203-007449	C-CER,CHIP;1000nF,20%,6.3V,X5R,0603
C219,C229,C435,C440,C443,C463,C467,C468,	2203-006872	C-CER,CHIP;2200nF,20%,6.3V,X5R,TP,1005
C223	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005
C226,C231,C444,C458,C511	2203-007393	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1005,0.
C227,C275	2203-007775	C-CER,CHIP;4700nF,20%,10V,X5R,TP,1005,0.
C228,C251,C252,C253,C284	2203-006839	C-CER,CHIP;100nF,10%,10V,X5R,TP,0603
C232	2203-007796	C-CER,CHIP;1000nF,20%,10V,X5R,TP,0603,0.
C234	2203-005777	C-CER,CHIP;0.001nF,0.25pF,25V,NP0,TP,060
C244,C245	2203-005731	C-CER,CHIP;0.018nF,5%,25V,NP0,0603
C250	2203-006318	C-CER,CHIP;0.0012nF,0.25pF,25V,C0G,0603
C256,C257,C277,C290,C409,C410,C411,C430,	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,TP,1005
C258,C279,C296	2203-008095	C-CER,CHIP;220nF,10%,10V,X5R,TP,0603,0.3
C270,C278,C299,C337,C340,C341,C349,C351,	2203-006423	C-CER,CHIP;100nF,10%,6.3V,X5R,TP,0603,-
C271	2203-007342	C-CER,CHIP;2200nF,20%,10V,X5R,TP,1005
C283	2203-006047	C-CER,CHIP;33nF,10%,16V,X7R,TP,1005
C295	2203-006410	C-CER,CHIP;0.0018nF,0.25pF,25V,C0G,TP,06
C302,C311,C313,C373,C374,C454	2203-006260	C-CER,CHIP;220nF,10%,10V,X5R,TP,1005,-
C326,C327,C328,C329,C330,C331,C332,C333	2203-006190	C-CER,CHIP;220nF,10%,6.3V,X5R,1005
C335	2203-007385	C-CER,CHIP;10000nF,20%,4V,X5R,TP,1005
C346,C347	2203-007210	C-CER,CHIP;220nF,10%,6.3V,X5R,TP,0603
C364,C365	2203-005968	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1005,0.5
C366	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608
C369,C370,C514	2203-006208	C-CER,CHIP;4700nF,20%,6.3V,X5R,TP,1608
C400,C415,C449	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0
C401,C404,C414,C416,C418,C420	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608,
C402,C499	2203-000940	C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005

Posição	Código	Descrição
C403,C405,C406,C417	2203-007795	C-CER,CHIP;10000nF,20%,10V,X5R,TP,1005,0
C408	2203-007474	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1005,
C426	2203-007456	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1005,0.
C427	2203-006377	C-CER,CHIP;4700nF,10%,25V,X5R,TP,2012
C459,C496,C532,C533	2203-007279	C-CER,CHIP;10000nF,20%,10V,X5R,TP,1608,0
C461,C462,C489	2203-008123	C-CER,CHIP;47000nF,20%,6.3V,X5R,TP,2012,
C497	2203-000854	C-CER,CHIP;0.039nF,5%,50V,C0G,TP,1005
C525	2203-005481	C-CER,CHIP;47nF,10%,10V,X7R,TP,1005
C527,C528,C529	2203-007133	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,0
C559,C560,C563	2203-000386	C-CER,CHIP;0.015nF,5%,50V,C0G,TP,1005
C561,C569,C570	2203-001153	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1005
C578,C579	2203-000995	C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005
D400	0401-001110	DIODE-SWITCHING;1SS400,80V,100mA,SOD-523
F100	2910-000169	DUPLEXER-SAW;1960MHz,1880MHz,1852.0-1850
F101	2911-000227	DUPLEXER-ASM;824-849MHz/1.3dB,1710~1785M
F102	2910-000143	DUPLEXER-SAW;836.50MHz,881.50MHz,2140MHz
F103	1001-001730	IC-ANALOG SWITCH;RF1603A,SP3T,12Z30,2.5x
F104	4709-002046	COUPLER-DIRECTION;642~1980MHz,25dB,TP
F105	1001-001819	IC-RF SWITCH;RF1602L,SPDT,QFN,12Z30,2X2X
F106	2910-000179	DUPLEXER-SAW;881.5MHz,836.5MHz,TP
F107	2904-001719	FILTER-SAW;942.5MHz,925-960MHz/1.2dB,TP
F108	2904-001868	FILTER-SAW;1960.0MHz,1930-1990MHz/1.6dB,
F200,F201	2904-002034	FILTER-GPS SAW;1601.72MHz,TP,1574.42~157
F202	4709-002133	FREQ-DISTRIBUTER;-40to + 85 C,2.0X1.2X1.0,
F203	2911-000165	DUPLEXER-FEM;4.9MHz,4.9MHz,12.2,10.8,TP,
F500,F501,F502,F503,F504,F505,F506,F507,	2901-001673	FILTER-EMI SMD;10V,0.1A,1.7pF,1.2X1.0X0.
HDC500	3711-007295	HEADER-BOARD TO BOARD;BOX,34P2R,0.4mm,S
HDC502,HDC504	3711-008347	HEADER-BOARD TO BOARD;SMD-P,10P2R,0.4mm
HDC503	3711-007478	HEADER-BOARD TO BOARD;SMD-S,10P2R,0.4mm
IFC500	3722-003531	JACK-MINI USB;5P+2PAU/NI,BLK,MICRO USB
L102,L104	2703-001749	INDUCTOR-SMD;1nH,0.3nH,1005,.10hm,400mA,
L103	2703-002207	INDUCTOR-SMD;3.3nH,0.3nH,1005,.190hm,300
L105,L106,L135	3301-001914	BEAD-SMD;120ohm,1005,TP,93ohm/ 49MHz,186
L109,L516	2703-002308	INDUCTOR-SMD;68nH,5%,1005,1.40hm,150mA,8
L110	2703-001751	INDUCTOR-SMD;3.9nH,0.3nH,1005,0.5T,.180h
L111,L140	2703-004225	INDUCTOR-SMD;1uH,20%,3225,0.06ohm,1500mA
L116,L217	2703-004289	INDUCTOR-SMD;2.2nH,0.1nH,0603,0.15ohm,60
L121,L141	2703-002367	INDUCTOR-SMD;1.0nH,0.3nH,1005,.120hm,300
L122	2703-004118	INDUCTOR-SMD;15nH,2%,1005,0.170hm,560mA,
L123,L137,L202	2703-002281	INDUCTOR-SMD;5.6nH,0.3nH,1005,0.5T,.270h
L127,L143	2703-001737	INDUCTOR-SMD;2.7nH,0.3nH,1005,.150hm,300
L128	2703-004368	INDUCTOR-SMD;15nH,5%,0603,1.9ohm,170mA,1
L130	2703-004287	INDUCTOR-SMD;3.9nH,0.1nH,0603,0.30ohm,40
L131,L139	3301-001851	BEAD-SMD;33ohm,1608,TP,13.8ohm/27.1MHz,3
L133	2703-004286	INDUCTOR-SMD;3.3nH,0.1nH,0603,0.20ohm,45
L138	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005,.370hm,250mA,
L142,L400	2703-003686	INDUCTOR-SMD;2.2uH,20%,2012,0.160hm,950m
L146,L206	2703-004366	INDUCTOR-SMD;6.8nH,5%,0603,1.15ohm,200mA
L147	2703-003915	INDUCTOR-SMD;5.6nH,5%,0603,0.50ohm,270mA
L200	2703-001726	INDUCTOR-SMD;27nH,5%,1005,10hm,200mA,8,M
L201	2703-004298	INDUCTOR-SMD;12nH,5%,0603,1.1ohm,180mA,1
L203,L510,L511,L512,L513,L514,L515	3301-001885	BEAD-SMD;1800ohm,1005,TP,1460ohm/132MHz,
L204,L414	2703-002314	INDUCTOR-SMD;47nH,5%,1005,1.30hm,150mA,8
L205	2703-002313	INDUCTOR-SMD;100nH,5%,1005,1.60hm,100mA,

Posição	Código	Descrição
L207	3301-001929	BEAD-SMD;10,1005,TP5.60HM/27.06MHz,15.7
L208	3301-001895	BEAD-SMD;600ohm,0603,TP
L209	3301-001659	BEAD-SMD;600ohm,1005,300mA,TP,744ohm/22
L210	2703-004338	INDUCTOR-SMD;2.5uH,30%,1608,0.75T,0.240h
L214	2703-004299	INDUCTOR-SMD;1.8nH,0.1nH,0603,0.13ohm,60
L215	3301-001438	BEAD-SMD;75 OHM,1005,TP,-
L216	2703-002961	INDUCTOR-SMD;100nH,5%,0603,5ohm,40.000mA
L401,L403,L407,L409	3301-001986	BEAD-SMD;60ohm,1005,TP
L402,L413,L500	2703-003911	INDUCTOR-SMD;1.0uH,20%,2520,1.1T,0.100hm
L404,L410,L412	2703-003687	INDUCTOR-SMD;1uH,20%,2012,0.110hm,1150mA
L406,L408	2703-004297	INDUCTOR-SMD;1uH,20%,2520,0.9T,0.0480hm,
L415	2703-001231	INDUCTOR-SMD;10uH,10%,1608,2.550hm,3mA,3
L416	3301-002179	BEAD-SMD;120ohm,1005,Paper Tape
L501,L502	3301-001534	BEAD-SMD;120ohm,1005,TP
L503,L505	2703-004332	INDUCTOR-SMD;4.7uH,30%,2520,1T,0.250hm,1
L504,L506	3301-001789	BEAD-SMD;1200HM,1005,TP50ohm/29MHz,120o
L507,L508	3301-001756	BEAD-SMD;1000ohm,1005,TP,442ohm/23.4MHz,
L509	3301-001729	BEAD-SMD;1000#,1005,TP
L517	2703-003878	INDUCTOR-SMD;0.27uH,20%,1608,0.150hm,130
L518	2703-002309	INDUCTOR-SMD;82nH,5%,1005,1.60hm,100mA,8
L519,L520	2703-002960	INDUCTOR-SMD;82nH,5%,0603,4ohm,50mA,5/10
L521,L522	3301-002085	BEAD-SMD;600ohm,1005,TP
LED500	0601-003126	LED;SMD(TOP VIEW),WHT,4.1x3.9x2.1mm,4.1x
MIC500	3003-001136	MIC MEMS;3.6V,0.25mA,-42dB
MOT400,MOT401	3712-001412	CONNECTOR-TERMINAL;Y-Cut,AU/Ni
OSC100	2801-005248	CRYSTAL-SMD;38.4MHz,10ppm,SMD,10pF,600hm
OSC200	2805-001100	OSCILLATOR-TCXO;26MHz,0.3ppm,10Kohm/10pF
OSC201	2801-005105	CRYSTAL-SMD;37.4000MHz,10ppm,FCX-06,12pF
OSC400	2801-004909	CRYSTAL-SMD;0.032768MHz,20ppm,12.5pF,800
PAM100	1201-003330	IC-POWER AMP;RF6277,Module,10P,6X8X1.2mm
Q100	0501-002440	TR-SMALL SIGNAL;2SC5658T2LR,NPN,150mW,VM
QAR01	GH59-12842A	MODULE-RCV FPCB (GT-I8190);GT-I8190,EMR1
QBA01	GH43-03795A	INNER BATTERY PACK-MAIN,1500MAH,EUR;EB-F
QBC00	GH61-01860A	CASE-BATT COVER;GT-I8190,PC,WHITE,121.17
QCA01	GH96-05776A	ASSY CAMERA-5M 1/4"(GT-S7562);GT-S7562,E
QCA02	GH59-12809A	CAMERA MODULE-1/10_VGA (GT_I8190);CN7349
QCK01	GH64-01221A	KEY-POWER;GT-I8190,PC,21.98*3.14,WHITE
QCR104	6001-002667	SCREW-MACHINE;M1.4,L4,SILVER,SWCH18A,Cla
QCR72	6001-002051	SCREW-MACHINE;PH,+,M1.4,L2.5,Ni PLT,SWRC
QFR01	GH97-14204A	MEA FRONT-OCTA LCD ASSY(SVC/RW);GT-I8190
QM001	GH31-00624A	MOTOR DC-GT_I8190;YB1030SYC,12500,3.0V,8
QMP01	GH82-06961A	A/S ASSY-PBA MAIN (TPA);GT-I8190/L,TPA,S
QRE01	GH98-25787A	ASSY CASE-REAR(LATIN);GT-I8190,LATIN OPE
QRF01	GH68-35419A	LABEL-RF VOID_BRAZ;GT-E1086,BRAZ,2 MIL T
QSP01	GH59-12841A	MODULE-SPK+ENCLOSURE(GT-I8190);GT-I8190,
QVK03	GH59-12843A	KEY FPCB-T_FLASH (GT-I8190);GT-I8190,VMI
QV001	GH64-01220A	KEY-VOLUME;GT-I8190,PC,31.43*3.48,WHITE
R104	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005
R112	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005
R113,R408,R412,R415,R431,R506,R553	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005
R203	2007-003015	R-CHIP;2.2ohm,5%,1/16W,TP,1005
R204	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005
R206,R238,R239,R240	2007-008055	R-CHIP;100Kohm,5%,1/20W,TP,0603
R207	2007-008579	R-CHIP;220ohm,5%,1/20W,TP,0603

Posição	Código	Descrição
R208,R306	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005
R230	2007-009155	R-CHIP;470Kohm,5%,1/20W,TP,0603
R300,R327	2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005
R307,R532,R534	2007-003025	R-CHIP;6.8ohm,5%,1/16W,TP,1005
R309,R310	2007-008588	R-CHIP;2.2Kohm,5%,1/20W,TP,0603
R311,R312,R314,R315,R316,R317,R328,R329, R319	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005
R325	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005
R326	2007-009804	R-CHIP;680ohm,1%,1/20W,TP,0603
R438	2007-007468	R-CHIP;121Kohm,1%,1/16W,TP,1005
R450	2007-010783	R-CHIP;0.068ohm,1%,0.125W,TP,1005
R507	2007-008633	R-CHIP;0.01ohm,TP,2012
R510	2007-007627	R-CHIP;16Kohm,1%,1/16W,TP,1005
R526	2007-008516	R-CHIP;10Kohm,5%,1/20W,TP,0603
R536	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005
R544,R549	2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005
R547	2007-007190	R-CHIP;8.2ohm,5%,1/16W,TP,1005
R558	2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005
R559	2007-001339	R-CHIP;180Kohm,5%,1/16W,TP,1005
RFS100	2007-000163	R-CHIP;120Kohm,5%,1/16W,TP,1005
SC100,SC101,SC102,SC103,SC104,SC105,SC10 SIM500	3705-001731	CONNECTOR-COAXIAL;RF SWITCH,DC6000MHz,50
SLC500,SLC501	GH70-07767A	ICT SHIELD-CAN CLIP;GT-I8350,STAINLESS-S
TACT500	3709-001701	CONNECTOR-CARD EDGE;6P,2.54mm,SMD-A,AU,M
TACT501,TACT502	3708-002222	CONNECTOR-FPC/FFC/PIC;21PSMD-A,AU,Y,FLI
TH400	3404-001487	SWITCH-TACT;12V,20,160gf,3.4x2.9mm,SPDT
U100	3404-001460	SWITCH-TACT;12V,20,160gf,5.3x3.5,SPST
U101	1404-001728	THERMISTOR-NTC;47Kohm,4050K,1.0mW/C,TP0
U200	1205-004672	IC-TRANSCEIVER;RF3500V5,VFBGA,124Z30,5X5
U201	1203-007640	IC-POWER SUPERVISOR;PM3535,WLCSP,35Z30,2
U202	1201-003261	IC-GPS AMP;BGU7007,SOT886,6P,1X1.45X0.5m
U203	2911-000222	DUPLEXER-FEM;-0.5dB,-0.5dB,TP
U204	1203-006050	IC-MULTI REG.;RP152L002B-TR,DFN1212-6,6P
U205	1205-004550	IC-GPS RECEIVER;CSRG05TA03-ICJE-R,WLCSP,
U208	1209-002194	IC-SENSOR;MPU-6051M,QFN,24Z30,4X4X0.9mm,
U209	1209-002065	IC-SENSOR;GP2AP002S00F,8P,4X2X1.2mm,3.8V
U306	1205-004598	IC-WIFI;BCM4334HKUBG,WLBGA,109Z30,4.08X4
U308	1209-002196	IC-SENSOR;HSCDTD008A,14Z30,1.6X1.6X0.7,3
U401	1203-007294	IC-POSI.FIXED REG.;RP114K331D-TR,DFN,4P,
U402,U404	1003-002468	IC-LEVEL DRIVER;TXS0206-29YFPR,DSBGA,20P
U403	1203-007143	IC-DC/DC CONVERTER;NCP6914AFCCLT1G,WLCSP
U405	1203-007674	IC-MULTI REG.;MIC5366-3.0YMT,ThinMLF,4Z3
U406	1203-007673	IC-POSI.FIXED REG.;MIC5366-1.8YMT,ThinML
U500	0505-003150	FET-SILICON;Si1443EDH-T1-GE3,P,-30V,-15A
U502	1203-007659	IC-POWER SUPERVISOR;AB8505-CB1TH53,VFBGA
U503	1203-006888	IC-POWER SUPERVISOR;RT8515GQW,WQFN-16L,1
UCP300	1205-004655	IC-SWITCH;ET3148,WLCSP,6Z30,1.5x1.0x0.35
UCP300	1203-007269	IC-DC/DC CONVERTER;STOD13CMTPUR,UDFN,12P
UME301	1105-002242	IC-DDR SDRAM;K4P8G304EB-AGC1,LPDDR2-S4,8
ZD400	1205-004684	IC-MODEM;DB8520HBP2TH53,FCBGA PoP,516Z30
ZD401	1107-002152	IC-NAND FLASH;SDIN7DU2-8G-944,8GByte,TFB
ZD500	0403-001972	DIODE-ZENER;RDP2031,5%,500mW,SOD-323F,TP
ZD501,ZD502,ZD503	0406-001505	DIODE-TVS;PESD5V0X1UALD,5.8/7.5/10,SOD-8
ZD504,ZD505	0406-001566	DIODE-TVS;RDP3011,20,-,24V,250W,P2617A
	0406-001446	DIODE-TVS;RD1301,6V,SOD-923
	0406-001549	DIODE-TVS;RDL1011B,6,9,11V,30W,LLP1006

Posição	Código	Descrição
ZD507,ZD511 ZD510	0406-001542	DIODE-TVS;RD1305B,5.0/6.0/9.0V,50W,SOT-5
	0406-001514	DIODE-TVS;RDP1031,6/9/11V,60W,SOD-923
	0202-001499	SOLDER-WIRE FLUX;SR34 SUPER LFM-48,-,DO.
	0202-001791	SOLDER-CREAM;M705-GRN360-K2-VT Type5,D15
	6902-001152	BAG PE;LDPE,T0.05,W60,L100,TRP,3-PE MARK
	6902-001417	BAG PE;LDPE,T0.05,W80,L180,TRP,MOBILE CO
	GH02-00397A	CHEMICALS-UNDERFILL;WE-3008(L),WE-3008(L
	GH02-02372A	TAPE INSU-SPK_MODULE;GT-I8190,7000TPBC#0
	GH02-02374A	SPONGE-LCD;GT-I8190,SRJ 0.2,0.25,5.7,11.
	GH02-02375A	SPONGE-VGA CAM;GT-I8190,SRA 0.5,0.55,5.1
	GH02-02376A	SPONGE-CAM;GT-I8190,SRA 0.5,0.55,8.77,8.
	GH02-02378A	SPONGE-SD SOCKET;GT-I8190,SRA 0.5,0.55,4
	GH02-02381A	TAPE INSU-GPS;GT-I8190,7000TPBC#015,0.05
	GH02-02383A	TAPE INSU-RCV GRILL;GT-I8190,7000TPBC#01
	GH02-02386A	TAPE INSU-CAM_WINDOW;GT-I8190,7000TPBC#0
	GH02-02389A	TAPE INSU-USB_RUBBER_REAR;GT-I8190,7000T
	GH02-02390A	TAPE INSU-REAR DECO DOWN;GT-I8190,7000TP
	GH02-02391A	TAPE INSU-REAR DECO UP;GT-I8190,7000TPBC
	GH02-02392A	TAPE INSU-SHEET WIFI;GT-I8190,CPSC50,0.1
	GH02-02404A	TAPE INSU-SHIELD CAN DOWN;GT-I8190,ST-85
	GH02-02405A	TAPE INSU-GASKET_GPS;GT-I8190,W290 PC-NC
	GH02-02426A	TAPE ETC-MAIN_WINDOW;GT-I9300,TESA 61725
	GH02-02658A	TAPE INSU-LCD BRK L;GT-I8190,TESA 4972,6
	GH02-02659A	TAPE INSU-LCD BRK R;GT-I8190,TESA 4972,8
	GH02-02660A	SPONGE-WATER;GT-I8190,SRA 1.0,1.15,6.02,
	GH02-02716A	TAPE GASK-LCD BRK 3;GT-I8190,TESA 4972,1
	GH02-02735A	TAPE AL-TAPE;GT-I8190,W290 PC-NC_10,1.0T
	GH02-02736A	TAPE AL-TAPE;GT-I8190,W290 PC-NC_07,0.7T
	GH02-02741A	TAPE AL-TAPE;GT-I8190,STN-I029WP0.1T,10
	GH02-02786A	TAPE INSU-REAR MIC;GT-I8190,TESA 4972,5.
	GH39-00985A	CBF SIGNAL-SCHU550 RF TEST CABLE;SCH-U55
	GH39-01338A	INTERFACE CABLE-TEST CABLE 0.4M GT_S7350
	GH39-01411C	DATA LINK CABLE-DONGLE USB CABLE;SHW-M13
	GH41-03889A	PCB MAIN-GT_I8190;GT-I8190,FR-4,8,REV-0.
	GH42-03908A	ANTENNA-GPS(GT_I8190);ALS1575I98,GT-I819
	GH42-03909A	ANTENNA-BT + WIFI (GT_I8190);AMAFSS114,GT-
	GH42-04016A	ANTENNA-MAIN (GT_I8190L);3001675,GT-I819
	GH44-02262E	ADAPTOR-GT-S5620L,ETA0U10BBB(BRAZ);ETA0U
	GH59-11720A	HEADSET-EHS64AVFWE 3.5PI 4P;GT-I9000,EHS
	GH59-12591A	ASSY ETC-CAMERA FPCB_5M,1/4"(S7562);GT-S
	GH59-12595A	CAMERA MODULE-1/4",5M CMOS;CM-5MSSFB,5M,
	GH59-12784A	KEY FPCB-TOUCH KEY PBA(GT-I8190);GT-I819
	GH61-01857A	CASE-FRONT;GT-I8190,PC,7.5,62.71,121.52,
	GH61-01858A	CASE-REAR;GT-I8190,PC,60.40,119.51,WHITE
	GH61-01859A	BRACKET-LCD;GT-I8190,MG,61.01,118.17,WHI
	GH63-02123A	SHIELD-CAN PCB;GT-I8190,STAINLESS-ST304
	GH63-02147A	SHIELD-CAN RF;GT-I8190,STAINLESS-ST304,
	GH63-02210A	PROTECTOR VINYL-CAM DECO;GT-I8190,ST-554
	GH63-02211A	PROTECTOR VINYL-CAM WINDOW;GT-I8190,ST-5
	GH63-02212A	PROTECTOR VINYL-FRONT L;GT-I8190,ST-5555
	GH63-02213A	PROTECTOR VINYL-FRONT R;GT-I8190,ST-5555
	GH63-02214A	PROTECTOR VINYL-TSP;GT-I8190,ST-6500AS,1
	GH63-02359A	PROTECTOR VINYL-BATT COVER PACKING;GT-I8
	GH63-02381A	PROTECTOR VINYL-TSP_M;GT-I8190,ST-5560AS

Posição	Código	Descrição
	GH63-02523A	PROTECTOR VINYL-HOME KEY;GT-I8190,ST-554
	GH63-02524A	PROTECTOR VINYL-FRONT R2;GT-I8190,ST-554
	GH63-02525A	PROTECTOR VINYL-FRONT L2;GT-I8190,ST-554
	GH63-02529A	PROTECTOR VINYL-VT CAM2;GT-I8190,ST-5526
	GH63-02565A	PROTECTOR VINYL-FPCB;GT-I8190,ST-1300,10
	GH64-01215A	DECORATION-RCV GRILL;GT-I8190,STAINLESS-
	GH64-01218A	WINDOW-CAM;GT-I8190,ETC,7.20,7.20,WHITE,
	GH64-01219A	WINDOW-FLASH;GT-I8190,ETC,7.23,10.92,WHI
	GH64-01222A	KEY-HOME;GT-I8190,PC,26.60*6.23,WHITE
	GH64-01423A	DECORATION-HOME KEY DECO;GT-I8190,ZN,18.
	GH64-01445A	DECORATION-PMO CAM DECO;GT-I8190,PC,9.55
	GH67-00470A	RUBBER-MIC;GT-I8190,SILICON,6.05*2.40,WH
	GH67-00471A	RUBBER-SENSOR;GT-I8190,NBR,8.37*3.63,WHI
	GH67-00472A	RUBBER-USB REAR;GT-I8190,SILICON,13.5*4.
	GH67-00617A	RUBBER-BASE;GT-I8190,URETANE,24.75X17.8,
	GH68-01599A	MANUAL-REDE AUTORIZADA;GT-E2121,BR,PT,BR
	GH68-07219A	LABEL(P)-PN;SCH-S100,POLYESTER,T0.05,26,
	GH68-08140A	LABEL(P)-SEAL UNIT NETFORM;SGH-D500,ART,
	GH68-09361A	LABEL(R)-WATER SOAK;SGH-X810,NORGE45g,T0
	GH68-11637A	MANUAL-CARTA RESPOSTA;SGH-E370,PORTUGUES
	GH68-12219A	LABEL(P)-MIAMI;SGH-X636,PET,ART100g,T0.0
	GH68-13691A	LABEL(R)-MASTER;SGH-C406,LTN,ART100,T0.1
	GH68-28403A	LEAFLET-BADA APPS LTN PORTUGUESE;SGH-C30
	GH68-34364D	LABEL-BOX_SEAL-BRAZ(WHITE);GT-I9100,BRAS
	GH68-37168S	LEAFLET-CHAT ON_PORTUGUESE/BR;GT-I9300,Z
	GH68-37582V	LEAFLET-TABLET MINI_BRAZ PORTUGUESE;GT-N
	GH68-37820P	MANUAL-BRAZ QSG PORTUGUESE;GT-I8190L,BRA
	GH68-37911B	LABEL MAIN-BRAZIL;GT-I8190L,POLYPROPYLEN
	GH68-37963A	LABEL-BATTERY;GT-I8190,BRAZIL,BRAZIL,0.1
	GH69-13372A	MASTER BOX-MEXICO_10EA;GT-I9100,PAPER,SL
	GH69-16801A	UNIT BOX-BRAZIL UPPER;GT-I8190L,PAPER,14
	GH69-16802A	UNIT BOX-BRAZIL LOWER;GT-I8190L,PAPER,14
	GH69-16803A	UNIT BOX-BRAZIL ACCE PAD;GT-I8190L,PAPER
	GH69-16804A	CUSHION-SET BRAZIL;GT-I8190L,HIPS,T0.8,7
	GH81-02357A	INSERT-M1.4_TYPE A;3.0,2.4,2.3,1.4
	GH90-19936K	MANUAL-ZT0 (GT_I8190);GT-I8190,ZT0
	GH90-20196A	PAA MAIN-GT-I8190RWLZT0;GT-I8190RWLZT0,Z
	GH92-10235A	ASSY PBA MAIN-BGT-I8190L/M8;BGT-I8190L,L
	GH94-07077A	ASSY SMD-BGT-I8190L/M8;BGT-I8190L,LTN,M8
	GH96-05899A	ASSY LCD-3.97" WVGA GT-I8190 OCTA;GT-I819
	GH96-06011A	ELA ETC-PACKING INNER BATTERY;GT-I8190,B
	GH97-13926A	MEA FRONT-GT-I8190;GT-I8190,EU,EU,WHITE
	GH98-24990A	ASSY CASE-FRONT;GT-I8190,GLOBAL OPEN,WHI
	GH98-25508A	ASSY KEY-HOME(WHT);GT-I8190,WHITE
	GH98-25535A	ASSY CASE-SHIELD CAN RF;GT-I8190,SILVER
	GH98-25620A	ASSY RUBBER-MIC;GT-I8190,EU,GRAY
	GH99-36900B	INA-TEST JIG COMM NEW;GT-P7100,EU,EU
	GH99-38251A	INA-XPLUG ADAPTER;SGH-S100,-,-,-,-,-

4B. Listas de Peças Elétricas (GT-I8190MBLZTO - Azul)

Posição	Código	Descrição
ANT100,ANT101,ANT200	3712-001375	CONNECTOR-TERMINAL;1.5x3.0x1.3mm
ANT201	3712-001378	CONNECTOR-TERMINAL;1.5x3.0x1.5mm
BTC400	3711-008442	CONNECTOR-BATTERY;4P;2.5mm,AU,BLK,ANGLE,
C100,C101	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,TP,1005
C102,C128,C130,C166,C169,C182,C247,C286	2203-005682	C-CER,CHIP;0.033nF,5%,25V,NP0,TP0603
C103,C104,C114,C115,C116,C119,C121,C122,	2203-006681	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1005
C106,C107,C113,C117,C118,C120,C211,C224,	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,TP,1005
C108,C158,C161,C209	2203-000812	C-CER,CHIP;0.033nF,5%,50V,C0G,TP,1005
C112,C214,C217,C218,C222,C280,C281,C285,	2203-006305	C-CER,CHIP;0.01nF,5%,25V,C0G,TP,0603
C123,C213	2203-008394	C-CER,CHIP;0.0082nF,0.1,25V,C0G,TR,0603,
C127,C129,C131,C151,C173,C175,C544,C558,	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,TP,1005
C134,C136	2203-005446	C-CER,CHIP;0.0027nF,0.1pF,50V,NP0,TP,100
C135,C230	2203-000627	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1005
C137,C139	2203-006611	C-CER,CHIP;0.0027nF,0.25pF,25V,C0G,TP06
C141,C142,C236,C237,C238,C243,C297	2203-006707	C-CER,CHIP;0.0047nF,0.25pF,25V,C0G,0603
C143,C148	2203-005736	C-CER,CHIP;0.1nF,5%,25V,NP0,TP,0603
C150,C152,C153,C172	2203-002443	C-CER,CHIP;0.33nF,10%,50V,X7R,TP,1005
C154,C206,C220,C362,C363,C478,C526,C530,	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005
C157	2203-002668	C-CER,CHIP;0.0005nF,0.1pF,50V,NP0,TP,100
C159,C181	2203-005288	C-CER,CHIP;0.001nF,0.1pF,50V,C0G(NP0,CH)
C162,C164,C202,C272,C317,C319,C334,C345,	2203-007271	C-CER,CHIP;2200nF,10%,10V,X5R,TP,1005
C176,C178,C562	2203-007781	C-CER,CHIP;22000nF,20%,10V,X5R,TP,1608,0
C179,C510	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1608,-
C180,C215	2203-006844	C-CER,CHIP;470nF,10%,10V,X5R,TP,1005
C201,C203	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005
C204,C492,C547,C548	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005
C205	2203-007317	C-CER,CHIP;4700nF,20%,6.3V,X5R,TP,1005
C210,C282	2203-006642	C-CER,CHIP;0.33nF,10%,25V,X7R,0603
C212,C551	2203-007449	C-CER,CHIP;1000nF,20%,6.3V,X5R,0603
C219,C229,C435,C440,C443,C463,C467,C468,	2203-006872	C-CER,CHIP;2200nF,20%,6.3V,X5R,TP,1005
C223	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005
C226,C231,C444,C458,C511	2203-007393	C-CER,CHIP;4700nF,10%,10V,X5R,TP,1005,0.
C227,C275	2203-007775	C-CER,CHIP;4700nF,20%,10V,X5R,TP,1005,0.
C228,C251,C252,C253,C284	2203-006839	C-CER,CHIP;100nF,10%,10V,X5R,TP,0603
C232	2203-007796	C-CER,CHIP;1000nF,20%,10V,X5R,TP,0603,0.
C234	2203-005777	C-CER,CHIP;0.001nF,0.25pF,25V,NP0,TP,060
C244,C245	2203-005731	C-CER,CHIP;0.018nF,5%,25V,NP0,0603
C250	2203-006318	C-CER,CHIP;0.0012nF,0.25pF,25V,C0G,0603
C256,C257,C277,C290,C409,C410,C411,C430,	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,TP,1005
C258,C279,C296	2203-008095	C-CER,CHIP;220nF,10%,10V,X5R,TP,0603,0.3
C270,C278,C299,C337,C340,C341,C349,C351,	2203-006423	C-CER,CHIP;100nF,10%,6.3V,X5R,TP,0603,-
C271	2203-007342	C-CER,CHIP;2200nF,20%,10V,X5R,TP,1005
C283	2203-006047	C-CER,CHIP;33nF,10%,16V,X7R,TP,1005
C295	2203-006410	C-CER,CHIP;0.0018nF,0.25pF,25V,C0G,TP,06
C302,C311,C313,C373,C374,C454	2203-006260	C-CER,CHIP;220nF,10%,10V,X5R,TP,1005,-
C326,C327,C328,C329,C330,C331,C332,C333	2203-006190	C-CER,CHIP;220nF,10%,6.3V,X5R,1005
C335	2203-007385	C-CER,CHIP;10000nF,20%,4V,X5R,TP,1005
C346,C347	2203-007210	C-CER,CHIP;220nF,10%,6.3V,X5R,TP,0603
C364,C365	2203-005968	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,1005,0.5
C366	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,TP,1608
C369,C370,C514	2203-006208	C-CER,CHIP;4700nF,20%,6.3V,X5R,TP,1608
C400,C415,C449	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608,0
C401,C404,C414,C416,C418,C420	2203-007240	C-CER,CHIP;22000nF,20%,6.3V,X5R,TP,1608,
C402,C499	2203-000940	C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1005

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C403,C405,C406,C417	2203-007795	C-CER,CHIP;10000nF,20%,10V,X5R,TP,1005,0
C408	2203-007474	C-CER,CHIP;10000nF,20%,6.3V,X5R,TP,1005,
C426	2203-007456	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1005,0.
C427	2203-006377	C-CER,CHIP;4700nF,10%,25V,X5R,TP,2012
C459,C496,C532,C533	2203-007279	C-CER,CHIP;10000nF,20%,10V,X5R,TP,1608,0
C461,C462,C489	2203-008123	C-CER,CHIP;47000nF,20%,6.3V,X5R,TP,2012,
C497	2203-000854	C-CER,CHIP;0.039nF,5%,50V,C0G,TP,1005
C525	2203-005481	C-CER,CHIP;47nF,10%,10V,X7R,TP,1005
C527,C528,C529	2203-007133	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012,0
C559,C560,C563	2203-000386	C-CER,CHIP;0.015nF,5%,50V,C0G,TP,1005
C561,C569,C570	2203-001153	C-CER,CHIP;0.068nF,5%,50V,NP0,TP,1005
C578,C579	2203-000995	C-CER,CHIP;0.047nF,5%,50V,C0G,TP,1005
D400	0401-001110	DIODE-SWITCHING;1SS400,80V,100mA,SOD-523
F100	2910-000169	DUPLEXER-SAW;1960MHz,1880MHz,1852.0-1850
F101	2911-000227	DUPLEXER-ASM;824-849MHz/1.3dB,1710~1785M
F102	2910-000143	DUPLEXER-SAW;836.50MHz,881.50MHz,2140MHZ
F103	1001-001730	IC-ANALOG SWITCH;RF1603A,SP3T,12Z30,2.5x
F104	4709-002046	COUPLER-DIRECTION;642~1980MHz,25dB,TP
F105	1001-001819	IC-RF SWITCH;RF1602L,SPDT,QFN,12Z30,2X2X
F106	2910-000179	DUPLEXER-SAW;881.5MHz,836.5MHz,TP
F107	2904-001719	FILTER-SAW;942.5MHz,925-960MHz/1.2dB,TP,
F108	2904-001868	FILTER-SAW;1960.0MHz,1930-1990MHz/1.6dB,
F200,F201	2904-002034	FILTER-GPS SAW;1601.72MHz,TP,1574.42~157
F202	4709-002133	FREQ-DISTRIBUTER;-40to +85 C,2.0X1.2X1.0,
F203	2911-000165	DUPLEXER-FEM;4.9MHz,4.9MHz,12.2,10.8,TP,
F500,F501,F502,F503,F504,F505,F506,F507,	2901-001673	FILTER-EMI SMD;10V,0.1A,1.7pF,1.2X1.0X0.
HDC500	3711-007295	HEADER-BOARD TO BOARD;BOX,34P,2R,0.4mm,S
HDC502,HDC504	3711-008347	HEADER-BOARD TO BOARD;SMD-P,10P,2R,0.4mm
HDC503	3711-007478	HEADER-BOARD TO BOARD;SMD-S,10P,2R,0.4mm
IFC500	3722-003531	JACK-MINI USB;5P + 2P,AU/NI,BLK,MICRO USB
L102,L104	2703-001749	INDUCTOR-SMD;1nH,0.3nH,1005,.10hm,400mA,
L103	2703-002207	INDUCTOR-SMD;3.3nH,0.3nH,1005,.190hm,300
L105,L106,L135	3301-001914	BEAD-SMD;120ohm,1005,TP,93ohm/49MHz,186
L109,L516	2703-002308	INDUCTOR-SMD;68nH,5%,1005,1.40hm,150mA,8
L110	2703-001751	INDUCTOR-SMD;3.9nH,0.3nH,1005,0.5T,.180h
L111,L140	2703-004225	INDUCTOR-SMD;1uH,20%,3225,0.06ohm,1500mA
L116,L217	2703-004289	INDUCTOR-SMD;2.2nH,0.1nH,0603,0.15ohm,60
L121,L141	2703-002367	INDUCTOR-SMD;1.0nH,0.3nH,1005,.120hm,300
L122	2703-004118	INDUCTOR-SMD;15nH,2%,1005,0.170hm,560mA,
L123,L137,L202	2703-002281	INDUCTOR-SMD;5.6nH,0.3nH,1005,0.5T,.270h
L127,L143	2703-001737	INDUCTOR-SMD;2.7nH,0.3nH,1005,.150hm,300
L128	2703-004368	INDUCTOR-SMD;15nH,5%,0603,1.9ohm,170mA,1
L130	2703-004287	INDUCTOR-SMD;3.9nH,0.1nH,0603,0.30ohm,40
L131,L139	3301-001851	BEAD-SMD;33ohm,1608,TP,13.8ohm/27.1MHz,3
L133	2703-004286	INDUCTOR-SMD;3.3nH,0.1nH,0603,0.20ohm,45
L138	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005,.370hm,250mA,
L142,L400	2703-003686	INDUCTOR-SMD;2.2uH,20%,2012,0.160hm,950m
L146,L206	2703-004366	INDUCTOR-SMD;6.8nH,5%,0603,1.15ohm,200mA
L147	2703-003915	INDUCTOR-SMD;5.6nH,5%,0603,0.50ohm,270mA
L200	2703-001726	INDUCTOR-SMD;27nH,5%,1005,10hm,200mA,8,M
L201	2703-004298	INDUCTOR-SMD;12nH,5%,0603,1.1ohm,180mA,1
L203,L510,L511,L512,L513,L514,L515	3301-001885	BEAD-SMD;1800ohm,1005,TP,1460ohm/132MHz,
L204,L414	2703-002314	INDUCTOR-SMD;47nH,5%,1005,1.30hm,150mA,8
L205	2703-002313	INDUCTOR-SMD;100nH,5%,1005,1.60hm,100mA,

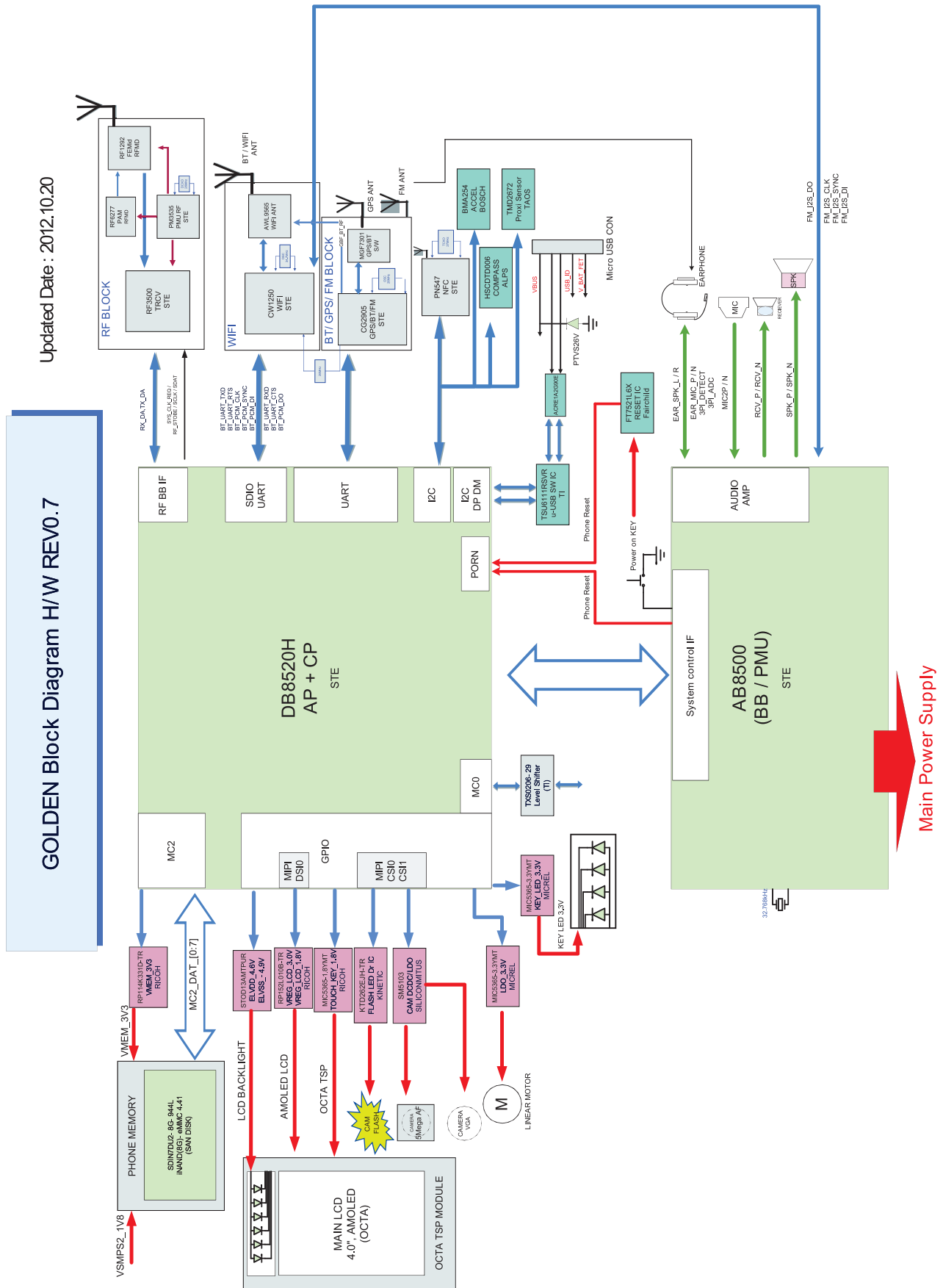
Posição	Código	Descrição
L207	3301-001929	BEAD-SMD;10,1005,TP,5.60HM/27.06MHz,15.7
L208	3301-001895	BEAD-SMD;600ohm,0603,TP
L209	3301-001659	BEAD-SMD;600ohm,1005,300mA,TP,,744ohm/22
L210	2703-004338	INDUCTOR-SMD;2.5uH,30%,1608,0.75T,0.240h
L214	2703-004299	INDUCTOR-SMD;1.8nH,0.1nH,0603,0.13ohm,60
L215	3301-001438	BEAD-SMD;75 OHM,1005,TP,-,-
L216	2703-002961	INDUCTOR-SMD;100nH,5%,0603,5ohm,40.000mA
L401,L403,L407,L409	3301-001986	BEAD-SMD;60ohm,1005,TP
L402,L413,L500	2703-003911	INDUCTOR-SMD;1.0uH,20%,2520,1.1T,0.100hm
L404,L410,L412	2703-003687	INDUCTOR-SMD;1uH,20%,2012,0.110hm,1150mA
L406,L408	2703-004297	INDUCTOR-SMD;1uH,20%,2520,0.9T,0.0480hm,
L415	2703-001231	INDUCTOR-SMD;10uH,10%,1608,2.550hm,3mA,3
L416	3301-002179	BEAD-SMD;120ohm,1005,Paper Tape
L501,L502	3301-001534	BEAD-SMD;120ohm,1005,TP
L503,L505	2703-004332	INDUCTOR-SMD;4.7uH,30%,2520,1T,0.250hm,1
L504,L506	3301-001789	BEAD-SMD;1200HM,1005,TP,50ohm/29MHz,120o
L507,L508	3301-001756	BEAD-SMD;1000ohm,1005,TP,442ohm/23.4MHz,
L509	3301-001729	BEAD-SMD;1000#,1005,TP
L517	2703-003878	INDUCTOR-SMD;0.27uH,20%,1608,0.150hm,130
L518	2703-002309	INDUCTOR-SMD;82nH,5%,1005,1.60hm,100mA,8
L519,L520	2703-002960	INDUCTOR-SMD;82nH,5%,0603,4ohm,50mA,5/10
L521,L522	3301-002085	BEAD-SMD;600ohm,1005,TP
LED500	0601-003126	LED;SMD(TOP VIEW),WHT,4.1x3.9x2.1mm,4.1x
MIC500	3003-001136	MIC MEMS;3.6V,0.25mA,-42dB
MOT400,MOT401	3712-001412	CONNECTOR-TERMINAL;Y-Cut,AU/Ni
OSC100	2801-005248	CRYSTAL-SMD;38.4MHz,10ppm,SMD,10pF,600hm
OSC200	2805-001100	OSCILLATOR-TCXO;26MHz,0.3ppm,10Kohm/10pF
OSC201	2801-005105	CRYSTAL-SMD;37.4000MHz,10ppm,FCX-06,12pF
OSC400	2801-004909	CRYSTAL-SMD;0.032768MHz,20ppm,12.5pF,800
PAM100	1201-003330	IC-POWER AMP;RF6277,Module,10P,6X8X1.2mm
Q100	0501-002440	TR-SMALL SIGNAL;2SC5658T2LR,NPN,150mW,VM
QAR01	GH59-12842A	MODULE-RCV FPCB (GT-I8190);GT-I8190,EMR1
QBA01	GH43-03795A	INNER BATTERY PACK-MAIN,1500MAH,EUR;EB-F
QBC00	GH61-02295A	CASE-BATT COVER BLU V1;GT-I8190,PC,BLUE,
QCA01	GH96-05776A	ASSY CAMERA-5M 1/4"(GT-S7562);GT-S7562,E
QCA02	GH59-12809A	CAMERA MODULE-1/10_VGA (GT_I8190);CN7349
QCK01	GH64-01221B	KEY-POWER;GT-I8190,PC,21.98*3.14,BLUE
QCR104	6001-002667	SCREW-MACHINE;M1.4,L4,SILVER,SWCH18A,Cla
QCR72	6001-002051	SCREW-MACHINE;PH,+,M1.4,L2.5,Ni PLT,SWRC
QFR01	GH97-14204B	MEA FRONT-OCTA LCD ASSY(SVC/MB);GT-I8190
QM001	GH31-00624A	MOTOR DC-GT_I8190;YB1030SYC,12500,3.0V,8
QMP01	GH82-06961A	A/S ASSY-PBA MAIN (TPA);GT-I8190/L,TPA,S
QRE01	GH98-25787B	ASSY CASE-REAR(LTN/BLUE);GT-I8190,LATIN
QRF01	GH68-35419A	LABEL-RF VOID_BRAZ;GT-E1086,BRAZ,2 MIL T
QSP01	GH59-12841B	MODULE-SPK+ENCLOSURE(GT-I8190)_BLACK;GT-
QVK03	GH59-12843A	KEY FPCB-T_FLASH (GT-I8190);GT-I8190,VMI
QVO01	GH64-01220B	KEY-VOLUME;GT-I8190,PC,31.43*3.48,BLUE
R104	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005
R112	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005
R113,R408,R412,R415,R431,R506,R553	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005
R203	2007-003015	R-CHIP;2.2ohm,5%,1/16W,TP,1005
R204	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005
R206,R238,R239,R240	2007-008055	R-CHIP;100Kohm,5%,1/20W,TP,0603
R207	2007-008579	R-CHIP;220ohm,5%,1/20W,TP,0603

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R208,R306	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005
R230	2007-009155	R-CHIP;470Kohm,5%,1/20W,TP,0603
R300,R327	2007-007517	R-CHIP;240ohm,1%,1/16W,TP,1005
R307,R532,R534	2007-003025	R-CHIP;6.8ohm,5%,1/16W,TP,1005
R309,R310	2007-008588	R-CHIP;2.2Kohm,5%,1/20W,TP,0603
R311,R312,R314,R315,R316,R317,R328,R329, R319	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005
R325	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005
R326	2007-009804	R-CHIP;680ohm,1%,1/20W,TP,0603
R438	2007-007468	R-CHIP;121Kohm,1%,1/16W,TP,1005
R450	2007-010783	R-CHIP;0.068ohm,1%,0.125W,TP,1005
R507	2007-008633	R-CHIP;0.01ohm,TP,2012
R510	2007-007627	R-CHIP;16Kohm,1%,1/16W,TP,1005
R526	2007-008516	R-CHIP;10Kohm,5%,1/20W,TP,0603
R536	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005
R544,R549	2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005
R547	2007-007190	R-CHIP;8.2ohm,5%,1/16W,TP,1005
R558	2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005
R559	2007-001339	R-CHIP;180Kohm,5%,1/16W,TP,1005
RFS100	2007-000163	R-CHIP;120Kohm,5%,1/16W,TP,1005
SC100,SC101,SC102,SC103,SC104,SC105,SC10	3705-001731	CONNECTOR-COAXIAL;RF SWITCH,DC6000MHz,50
SIM500	GH70-07767A	ICT SHIELD-CAN CLIP;GT-I8350,STAINLESS-S
SLC500,SLC501	3709-001701	CONNECTOR-CARD EDGE;6P,2.54mm,SMD-A,AU,M
TACT500	3708-002222	CONNECTOR-FPC/FFC/PIC;21P,SMD-A,AU,Y,FLI
TACT501,TACT502	3404-001487	SWITCH-TACT;12V,20,160gf,3.4x2.9mm,SPDT
TH400	3404-001460	SWITCH-TACT;12V,20,160gf,5.3x3.5,SPST
U100	1404-001728	THERMISTOR-NTC;47Kohm,4050K,1.0mW/C,TP0
U101	1205-004672	IC-TRANSCEIVER;RF3500V5,VFBGA,124Z30,5X5
U200	1203-007640	IC-POWER SUPERVISOR;PM3535,WLCSP,35Z30,2
U201	1201-003261	IC-GPS AMP;BGU7007,SOT886,6P,1X1.45X0.5m
U202	2911-000222	DUPLEXER-FEM;-0.5dB,-0.5dB,TP
U203	1203-006050	IC-MULTI REG.;RP152L002B-TR,DFN1212-6,6P
U204	1205-004550	IC-GPS RECEIVER;CSRG05TA03-ICJE-R,WLCSP,
U205	1209-002194	IC-SENSOR;MPU-6051M,QFN,24Z30,4X4X0.9mm,
U208	1209-002065	IC-SENSOR;GP2AP002S00F,8P,4X2X1.2mm,3.8V
U209	1205-004598	IC-WIFI;BCM4334HKUBG,WLBGA,109Z30,4.08X4
U306	1209-002196	IC-SENSOR;HSCDTD008A,14Z30,1.6X1.6X0.7,3
U308	1203-007294	IC-POSIFIXED REG.;RP114K331D-TR,DFN,4P,
U401	1003-002468	IC-LEVEL DRIVER;TXS0206-29YFPR,DSBGA,20P
U402,U404	1203-007143	IC-DC/DC CONVERTER;NCP6914AFCCLT1G,WLCSP
U403	1203-007674	IC-MULTI REG.;MIC5366-3.0YMT,ThinMLF,4Z3
U405	1203-007673	IC-POSIFIXED REG.;MIC5366-1.8YMT,ThinML
U406	0505-003150	FET-SILICON;Si1443EDH-T1-GE3,P,-30V,-15A
U500	1203-007659	IC-POWER SUPERVISOR;AB8505-CB1TH53,VFBGA
U502	1203-006888	IC-POWER SUPERVISOR;RT8515GQW,WQFN-16L,1
U503	1205-004655	IC-SWITCH;ET3148,WLCSP,6Z30,1.5x1.0x0.35
UCP300	1203-007269	IC-DC/DC CONVERTER;STOD13CMTPUR,UDFN,12P
UCP300	1105-002242	IC-DDR SDRAM;K4P8G304EB-AGC1,LPDDR2-S4,8
UME301	1205-004684	IC-MODEM;DB8520HBP2TH53,FCBGA PoP,516Z30
ZD400	1107-002152	IC-NAND FLASH;SDIN7DU2-8G-944,8GByte,TFB
ZD401	0403-001972	DIODE-ZENER;RDP2031,5%,500mW,SOD-323F,TP
ZD500	0406-001505	DIODE-TVS;PESD5V0X1UALD,5.8/7.5/10,SOD-8
ZD501,ZD502,ZD503	0406-001566	DIODE-TVS;RDP3011,20,-,24V,250W,P2617A
ZD504,ZD505	0406-001446	DIODE-TVS;RD1301,6V,SOD-923
	0406-001549	DIODE-TVS;RDL1011B,6,9,11V,30W,LLP1006

Posição	Código	Descrição
ZD507,ZD511 ZD510	0406-001542	DIODE-TVS;RD1305B,5.0/6.0/9.0V,50W,SOT-5
	0406-001514	DIODE-TVS;RDP1031,6/9/11V,60W,SOD-923
	0202-001499	SOLDER-WIRE FLUX;SR34 SUPER LFM-48,-,D0.
	0202-001791	SOLDER-CREAM;M705-GRN360-K2-VT Type5,D15
	6902-001152	BAG PE;LDPE,T0.05,W60,L100,TRP,3-PE MARK
	6902-001417	BAG PE;LDPE,T0.05,W80,L180,TRP,MOBILE CO
	GH02-00397A	CHEMICALS-UNDERFILL;WE-3008(L),WE-3008(L
	GH02-02372A	TAPE INSU-SPK_MODULE;GT-I8190,7000TPBC#0
	GH02-02374A	SPONGE-LCD;GT-I8190,SRJ 0.2,0.25,5.7,11.
	GH02-02375A	SPONGE-VGA CAM;GT-I8190,SRA 0.5,0.55,5.1
	GH02-02376A	SPONGE-CAM;GT-I8190,SRA 0.5,0.55,8.77,8.
	GH02-02378A	SPONGE-SD SOCKET;GT-I8190,SRA 0.5,0.55,4
	GH02-02381A	TAPE INSU-GPS;GT-I8190,7000TPBC#015,0.05
	GH02-02383A	TAPE INSU-RCV GRILL;GT-I8190,7000TPBC#01
	GH02-02386A	TAPE INSU-CAM_WINDOW;GT-I8190,7000TPBC#0
	GH02-02389A	TAPE INSU-USB_RUBBER_REAR;GT-I8190,7000T
	GH02-02390A	TAPE INSU-REAR DECO DOWN;GT-I8190,7000TP
	GH02-02391A	TAPE INSU-REAR DECO UP;GT-I8190,7000TPBC
	GH02-02392B	TAPE INSU-SHEET WIFI;GT-I8190,CPSC50,0.1
	GH02-02404A	TAPE INSU-SHIELD CAN DOWN;GT-I8190,ST-85
	GH02-02405A	TAPE INSU-GASKET_GPS;GT-I8190,W290 PC-NC
	GH02-02426A	TAPE ETC-MAIN_WINDOW;GT-I9300,TESA 61725
	GH02-02658A	TAPE INSU-LCD BRK L;GT-I8190,TESA 4972,6
	GH02-02659A	TAPE INSU-LCD BRK R;GT-I8190,TESA 4972,8
	GH02-02660A	SPONGE-WATER;GT-I8190,SRA 1.0,1.15,6.02,
	GH02-02716A	TAPE GASK-LCD BRK 3;GT-I8190,TESA 4972,1
	GH02-02735A	TAPE AL-TAPE;GT-I8190,W290 PC-NC_10,1.0T
	GH02-02736A	TAPE AL-TAPE;GT-I8190,W290 PC-NC_07,0.7T
	GH02-02741A	TAPE AL-TAPE;GT-I8190,STN-I029WP0.1T,10
	GH02-02786A	TAPE INSU-REAR MIC;GT-I8190,TESA 4972,5.
	GH02-03040A	TAPE INSU-PROTECT LIGHTING L;GT-I8190,CP
	GH39-00985A	CBF SIGNAL-SCHU550 RF TEST CABLE;SCH-U55
	GH39-01338A	INTERFACE CABLE-TEST CABLE 0.4M GT_S7350
	GH39-01411C	DATA LINK CABLE-DONGLE USB CABLE;SHW-M13
	GH41-03889A	PCB MAIN-GT_I8190;GT-I8190,FR-4,8,REV-0.
	GH42-03908B	ANTENNA-GPS(GT_I8190)_BLUE;ALS1575I98B,G
	GH42-03909B	ANTENNA-BT + WIFI (GT_I8190)_BLUE;AMAFSS12
	GH42-04016B	ANTENNA-MAIN (GT_I8190L)_BLUE;3001682,GT
	GH44-02262E	ADAPTOR-GT-S5620L,ETA0U10BBB(BRAZ);ETA0U
	GH59-11720A	HEADSET-EHS64AVFWE 3.5PI 4P;GT-i9000,EHS
	GH59-12591A	ASSY ETC-CAMERA FPCB_5M,1/4"(S7562);GT-S
	GH59-12595A	CAMERA MODULE-1/4",5M CMOS;CM-5MSSFB,5M,
	GH59-12784A	KEY FPCB-TOUCH KEY PBA(GT-I8190);GT-I819
	GH61-01857B	CASE-FRONT;GT-I8190,PC,7.5,62.71,121.52,
	GH61-01858B	CASE-REAR;GT-I8190,PC,60.40,119.51,BLUE
	GH61-01859A	BRACKET-LCD;GT-I8190,MG,61.01,118.17,WHI
	GH63-02123A	SHIELD-CAN PCB;GT-I8190,STAINLESS-ST304
	GH63-02147A	SHIELD-CAN RF;GT-I8190,STAINLESS-ST304,
	GH63-02210A	PROTECTOR VINYL-CAM DECO;GT-I8190,ST-554
	GH63-02211A	PROTECTOR VINYL-CAM WINDOW;GT-I8190,ST-5
	GH63-02212A	PROTECTOR VINYL-FRONT L;GT-I8190,ST-5555
	GH63-02213A	PROTECTOR VINYL-FRONT R;GT-I8190,ST-5555
	GH63-02214A	PROTECTOR VINYL-TSP;GT-I8190,ST-6500AS,1
	GH63-02359A	PROTECTOR VINYL-BATT COVER PACKING;GT-I8

Posição	Código	Descrição
	GH63-02381A	PROTECTOR VINYL-TSP_M;GT-I8190,ST-5560AS
	GH63-02523A	PROTECTOR VINYL-HOME KEY;GT-I8190,ST-554
	GH63-02524A	PROTECTOR VINYL-FRONT R2;GT-I8190,ST-554
	GH63-02525A	PROTECTOR VINYL-FRONT L2;GT-I8190,ST-554
	GH63-02529A	PROTECTOR VINYL-VT CAM2;GT-I8190,ST-5526
	GH63-02565A	PROTECTOR VINYL-FPCB;GT-I8190,ST-1300,10
	GH64-01215A	DECORATION-RCV GRILL;GT-I8190,STAINLESS-
	GH64-01218A	WINDOW-CAM;GT-I8190,ETC,7.20,7.20,WHITE,
	GH64-01219A	WINDOW-FLASH;GT-I8190,ETC,7.23,10.92,WHI
	GH64-01222B	KEY-HOME;GT-I8190,PC,26.60*6.23,BLUE
	GH64-01423A	DECORATION-HOME KEY DECO;GT-I8190,ZN,18.
	GH64-01445A	DECORATION-PMO CAM DECO;GT-I8190,PC,9.55
	GH67-00470A	RUBBER-MIC;GT-I8190,SILICON,6.05*2.40,WH
	GH67-00471A	RUBBER-SENSOR;GT-I8190,NBR,8.37*3.63,WHI
	GH67-00472A	RUBBER-USB REAR;GT-I8190,SILICON,13.5*4.
	GH67-00617A	RUBBER-BASE;GT-I8190,URETANE,24.75X17.8,
	GH68-01599A	MANUAL-REDE AUTORIZADA;GT-E2121,BR,PT,BR
	GH68-07219A	LABEL(P)-PN;SCH-S100,POLYESTER,T0.05,26,
	GH68-08140A	LABEL(P)-SEAL UNIT NETFORM;SGH-D500,ART,
	GH68-09361A	LABEL(R)-WATER SOAK;SGH-X810,NORGE45g,T0
	GH68-11637A	MANUAL-CARTA RESPOSTA;SGH-E370,PORTUGUES
	GH68-12219A	LABEL(P)-MIAMI;SGH-X636,PET,ART100g,T0.0
	GH68-13691A	LABEL(R)-MASTER;SGH-C406,LTN,ART100,T0.1
	GH68-28403A	LEAFLET-BADA APPS LTN PORTUGUESE;SGH-C30
	GH68-34364D	LABEL-BOX_SEAL-BRAZ(WHITE);GT-I9100,BRAS
	GH68-37168S	LEAFLET-CHAT ON_PORTUGUESE/BR;GT-I9300,Z
	GH68-37582V	LEAFLET-TABLET MINI_BRAZ PORTUGUESE;GT-N
	GH68-37820P	MANUAL-BRAZ QSG PORTUGUESE;GT-I8190L,BRA
	GH68-37911B	LABEL MAIN-BRAZIL;GT-I8190L,POLYPROPYLEN
	GH68-37963A	LABEL-BATTERY;GT-I8190,BRAZIL,BRAZIL,0.1
	GH69-13372A	MASTER BOX-MEXICO_10EA;GT-I9100,PAPER,SL
	GH69-16801A	UNIT BOX-BRAZIL UPPER;GT-I8190L,PAPER,14
	GH69-16802A	UNIT BOX-BRAZIL LOWER;GT-I8190L,PAPER,14
	GH69-16803A	UNIT BOX-BRAZIL ACCE PAD;GT-I8190L,PAPER
	GH69-16804A	CUSHION-SET BRAZIL;GT-I8190L,HIPS,T0.8,7
	GH81-02357A	INSERT-M1.4_TYPE A;3.0,2.4,2.3,1.4
	GH90-19936K	MANUAL-ZT0 (GT_I8190);GT-I8190,ZTO
	GH90-20196A	PAA MAIN-GT-I8190RWLZTO;GT-I8190RWLZTO,Z
	GH92-10314A	ASSY PBA MAIN-BGT-I8190L/8B_BLUE;GT-I819
	GH94-07077A	ASSY SMD-BGT-I8190L/M8;BGT-I8190L,LTN,M8
	GH96-05967A	ASSY LCD-3.97" WVGA GT-I8190 BLUE OCTA;GT
	GH96-06011A	ELA ETC-PACKING INNER BATTERY;GT-I8190,B
	GH97-13926B	MEA FRONT-GT-I8190;GT-I8190,EU,EU,BLUE
	GH98-24990B	ASSY CASE-FRONT;GT-I8190,GLOBAL OPEN,BLU
	GH98-25508B	ASSY KEY-HOME(BLU);GT-I8190,BLUE
	GH98-25535A	ASSY CASE-SHIELD CAN RF;GT-I8190,SILVER
	GH98-25620A	ASSY RUBBER-MIC;GT-I8190,EU,GRAY
	GH99-36900B	INA-TEST JIG COMM NEW;GT-P7100,EU,EU
	GH99-38251A	INA-XPLUG ADAPTER;SGH-S100,-,-,-,-,-

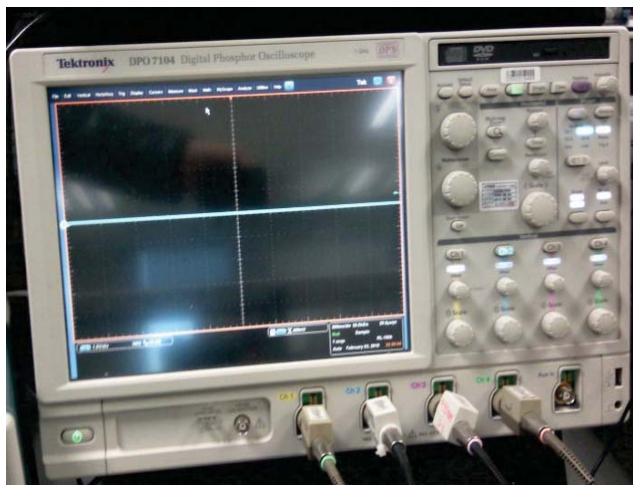
5. Diagrama de Blocos



6. Identificação de Problemas

6.1 Fluxo de Identificação de Problemas

6.1.1 Equipamentos



Osciloscópio



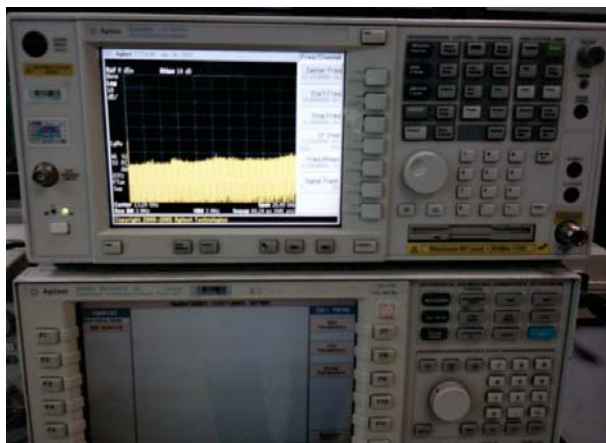
Multímetro Digital



Fonte de Alimentação



Chave de fenda+, Pinça para ESD

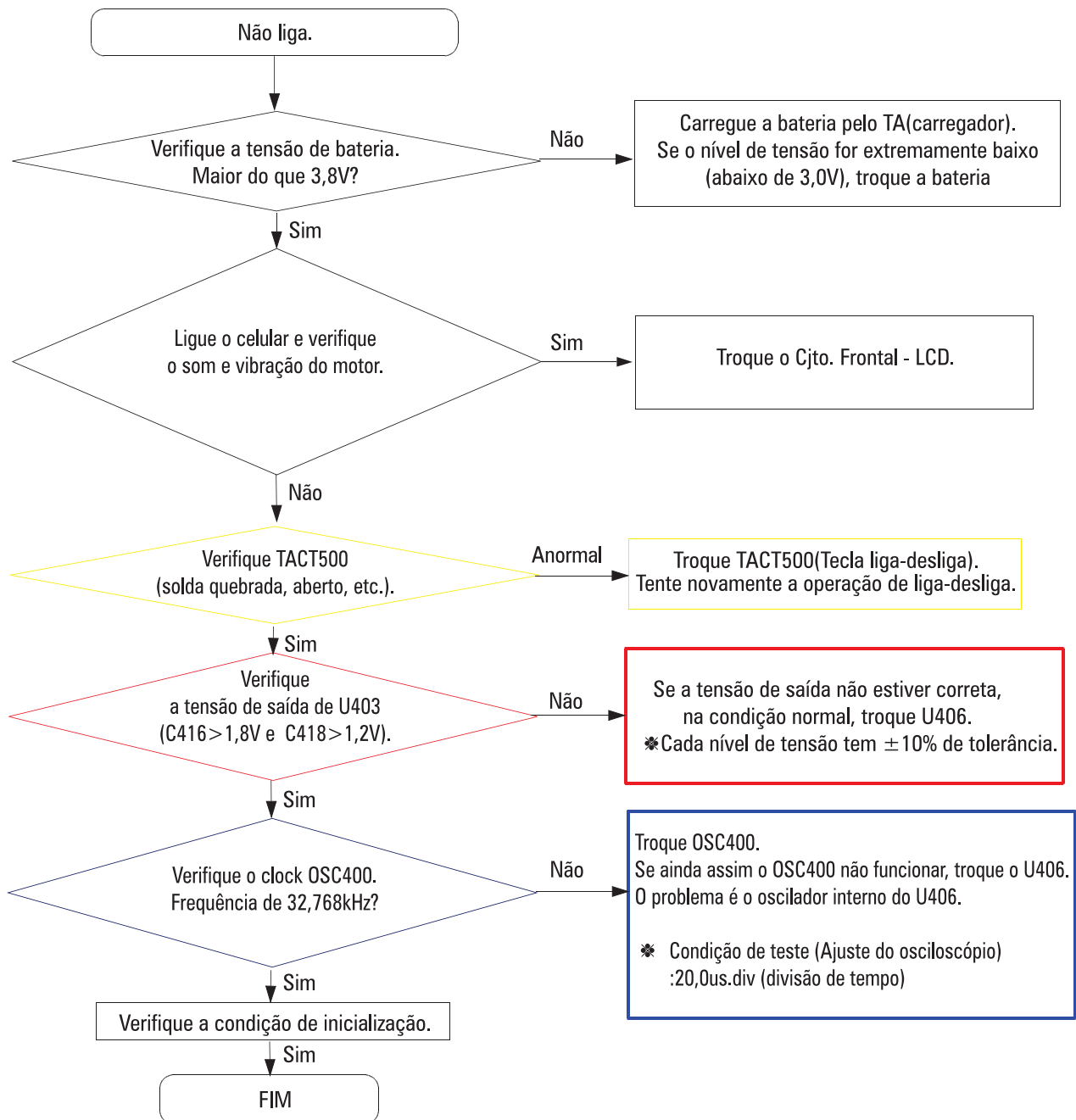


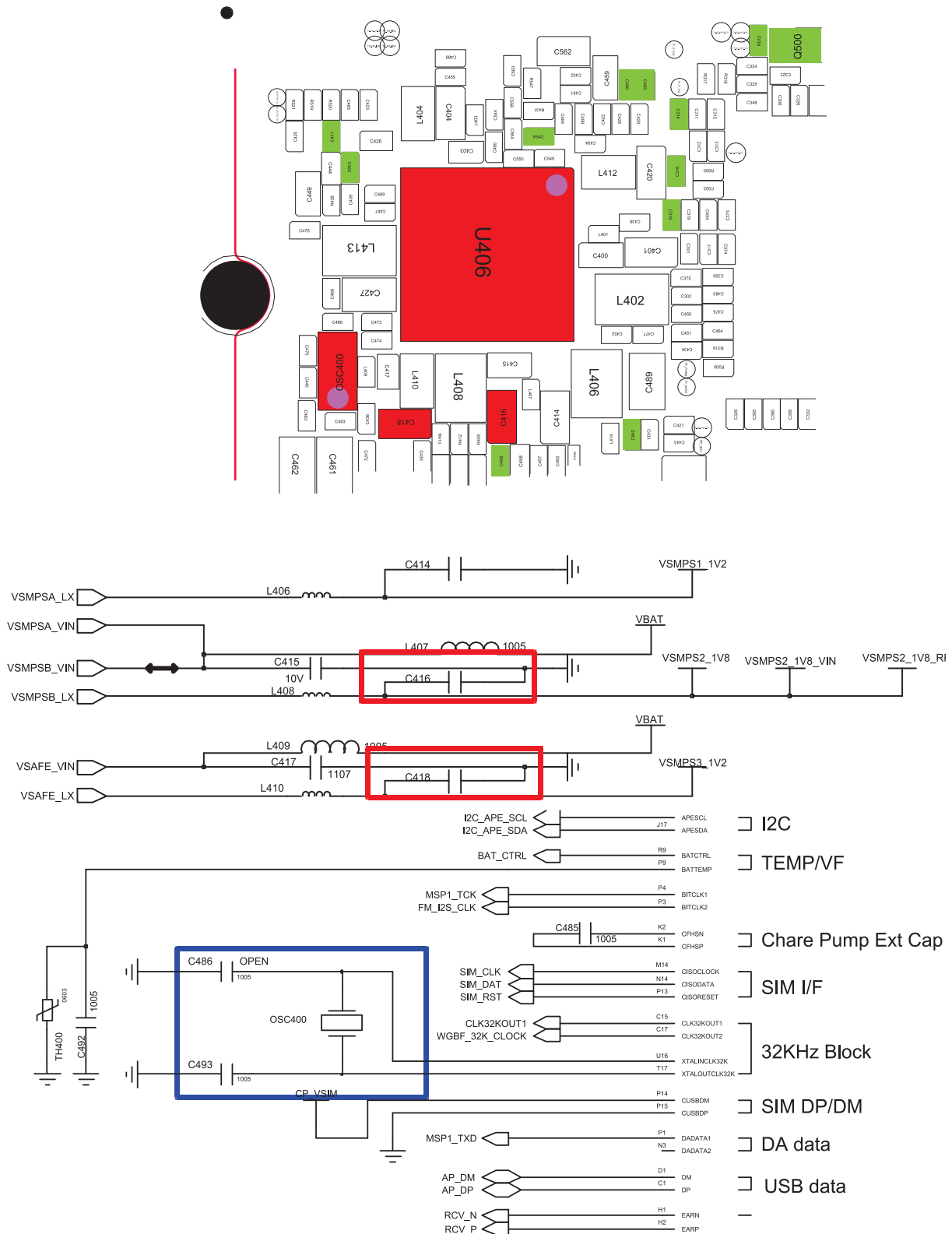
8960 e Analisador de Espectro



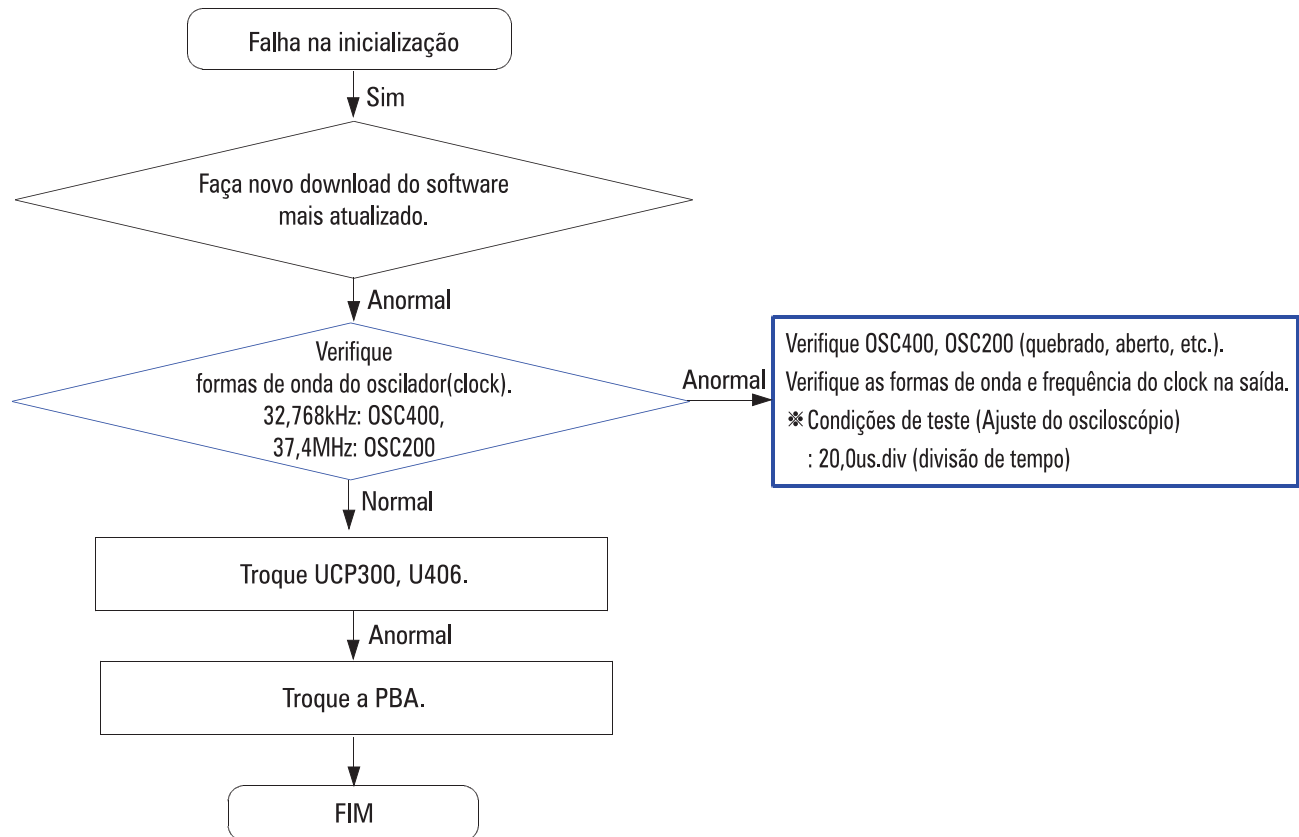
Ferro de solda

6.1.1 Ligado



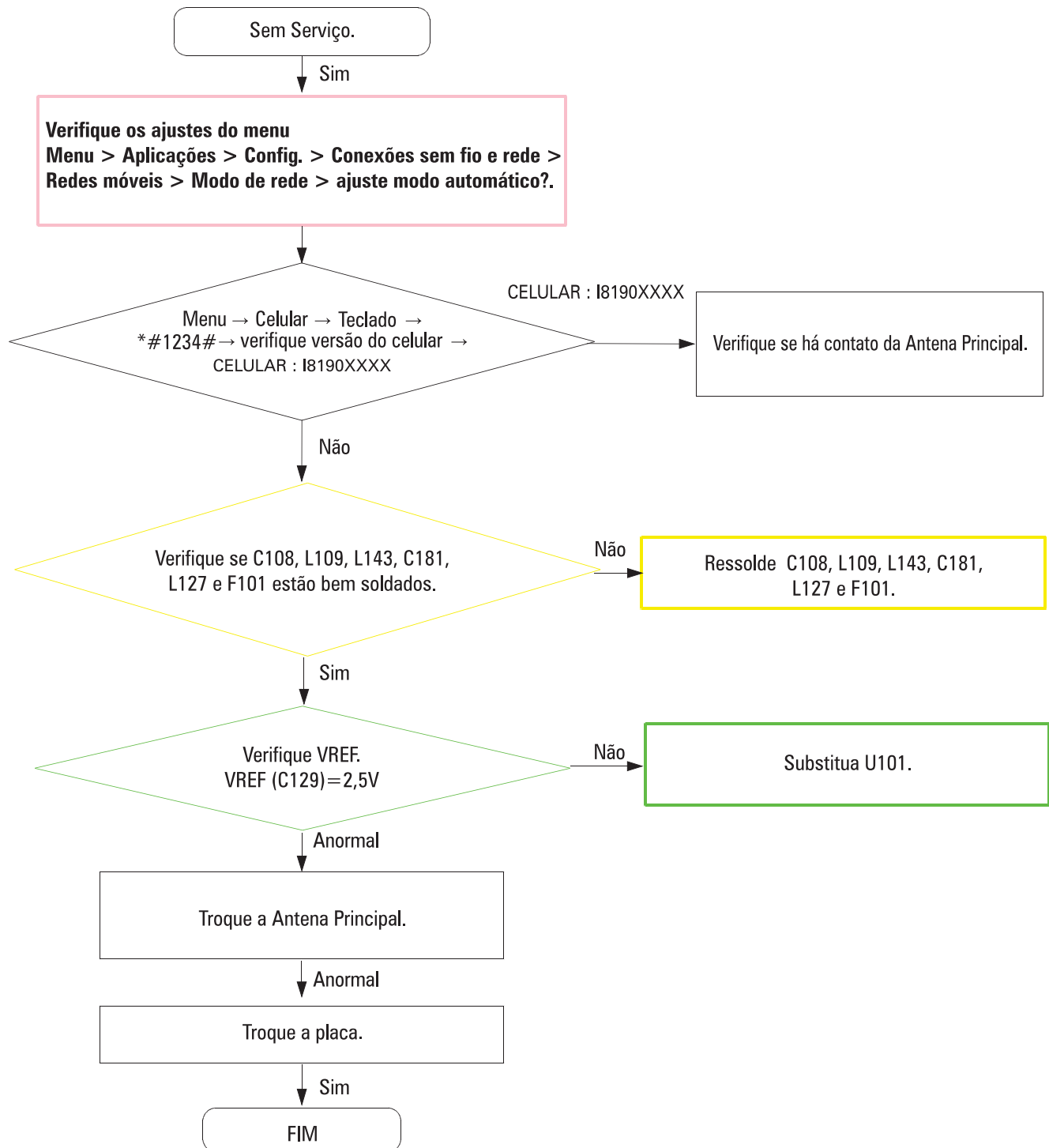


6.1.2 Inicialização



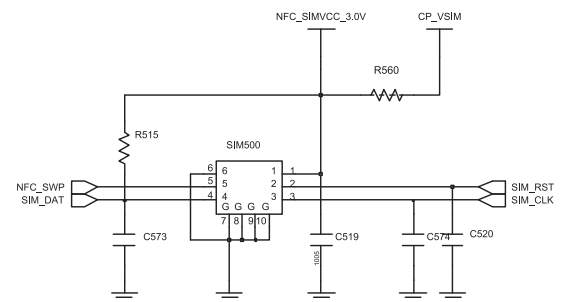
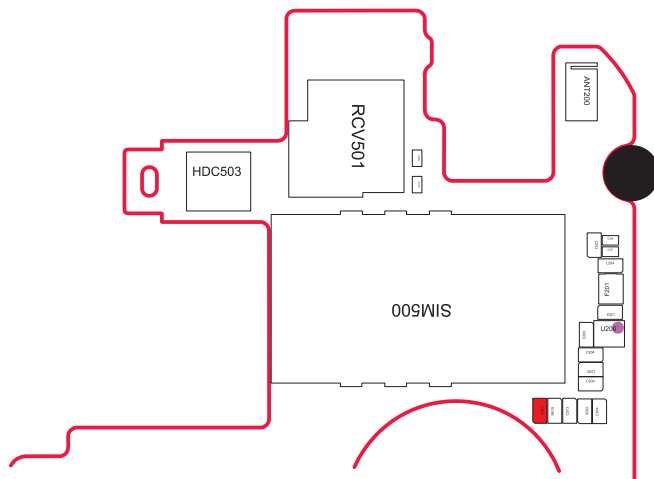
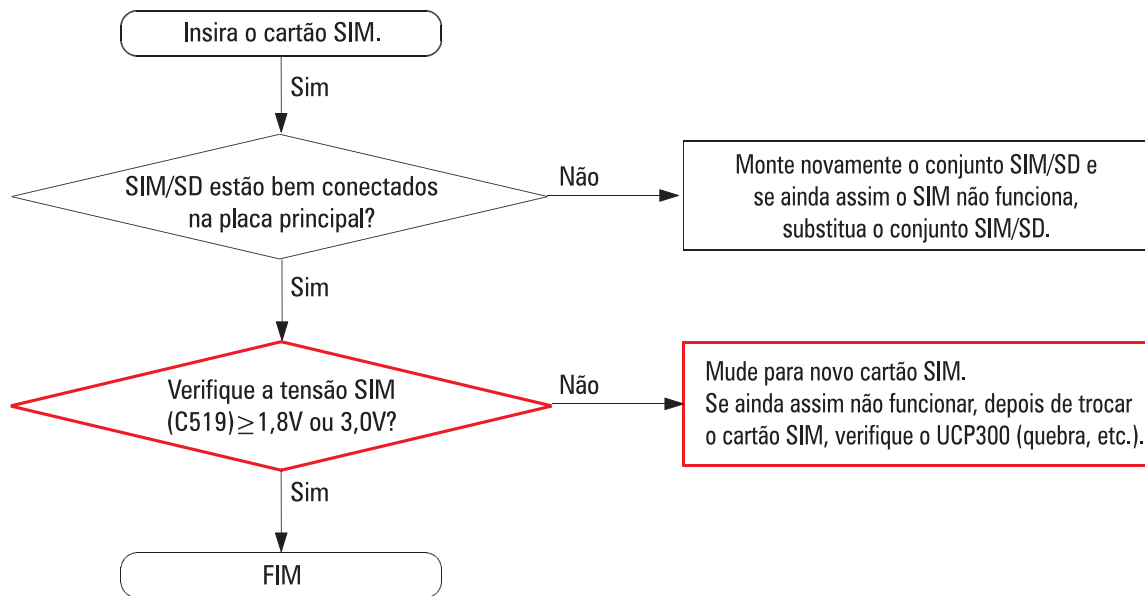


6.1.3 Sem Serviço

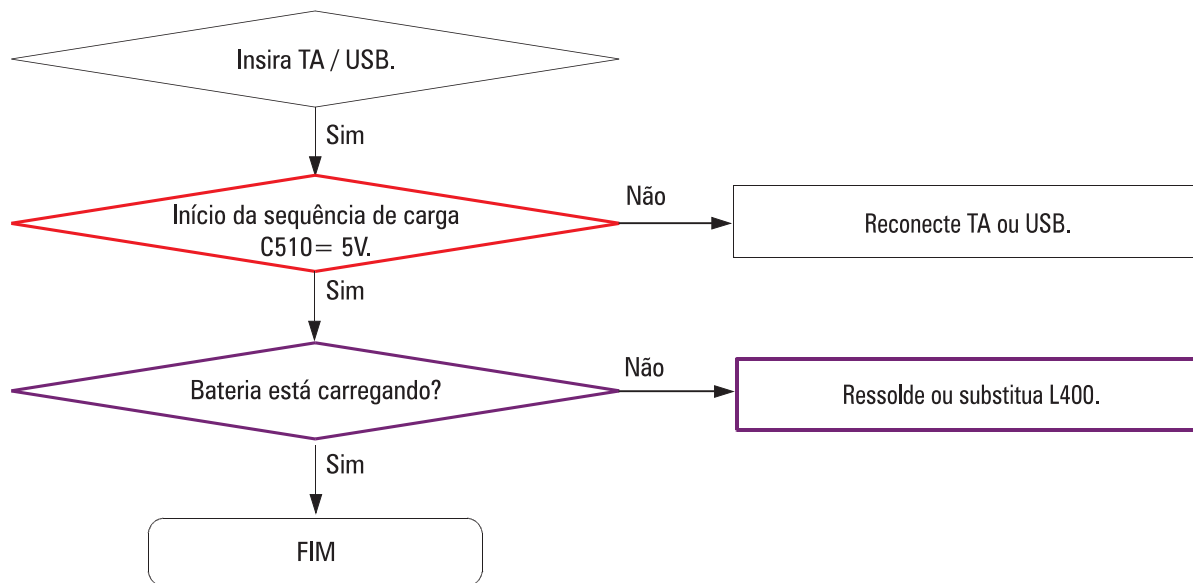




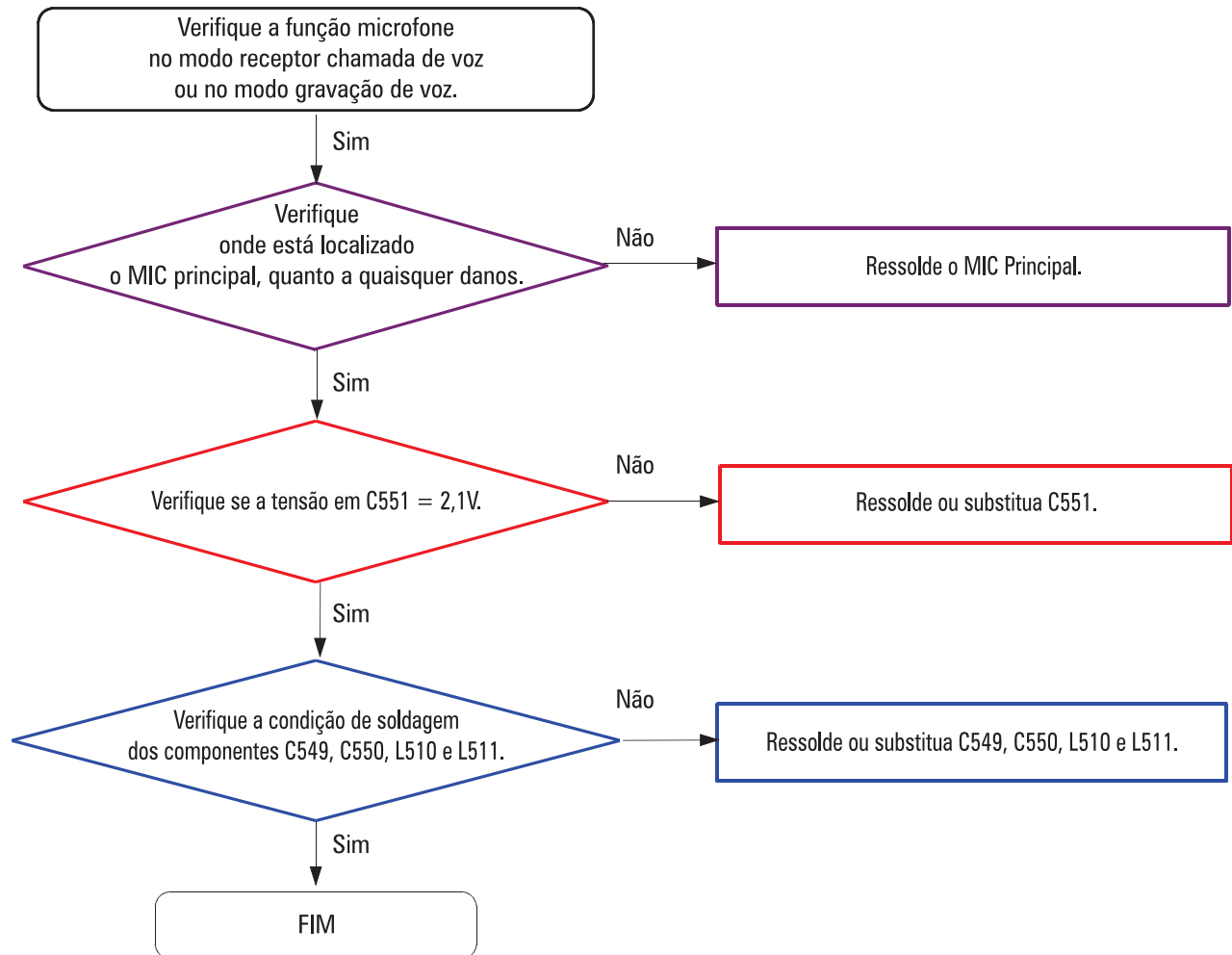
6.1.4 Seção SIM

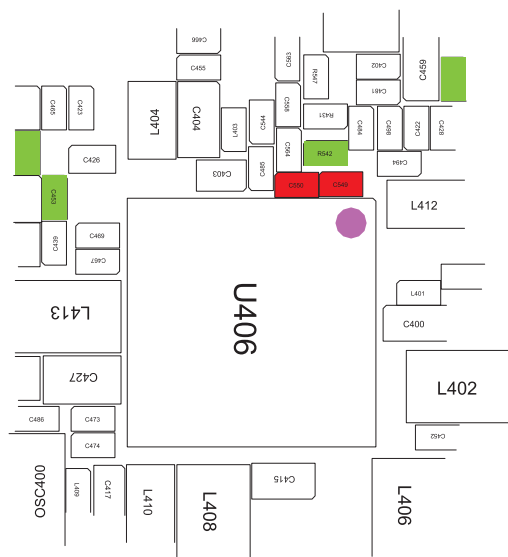
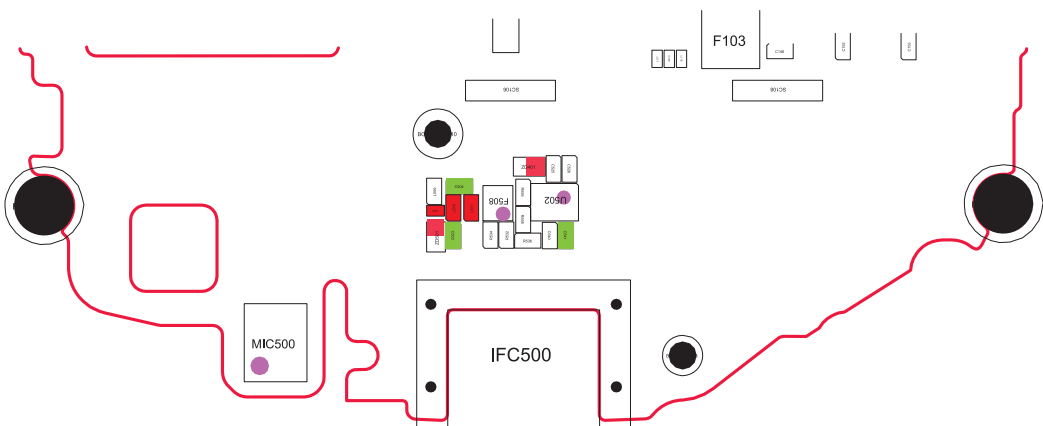


6.1.5 Seção de Carga

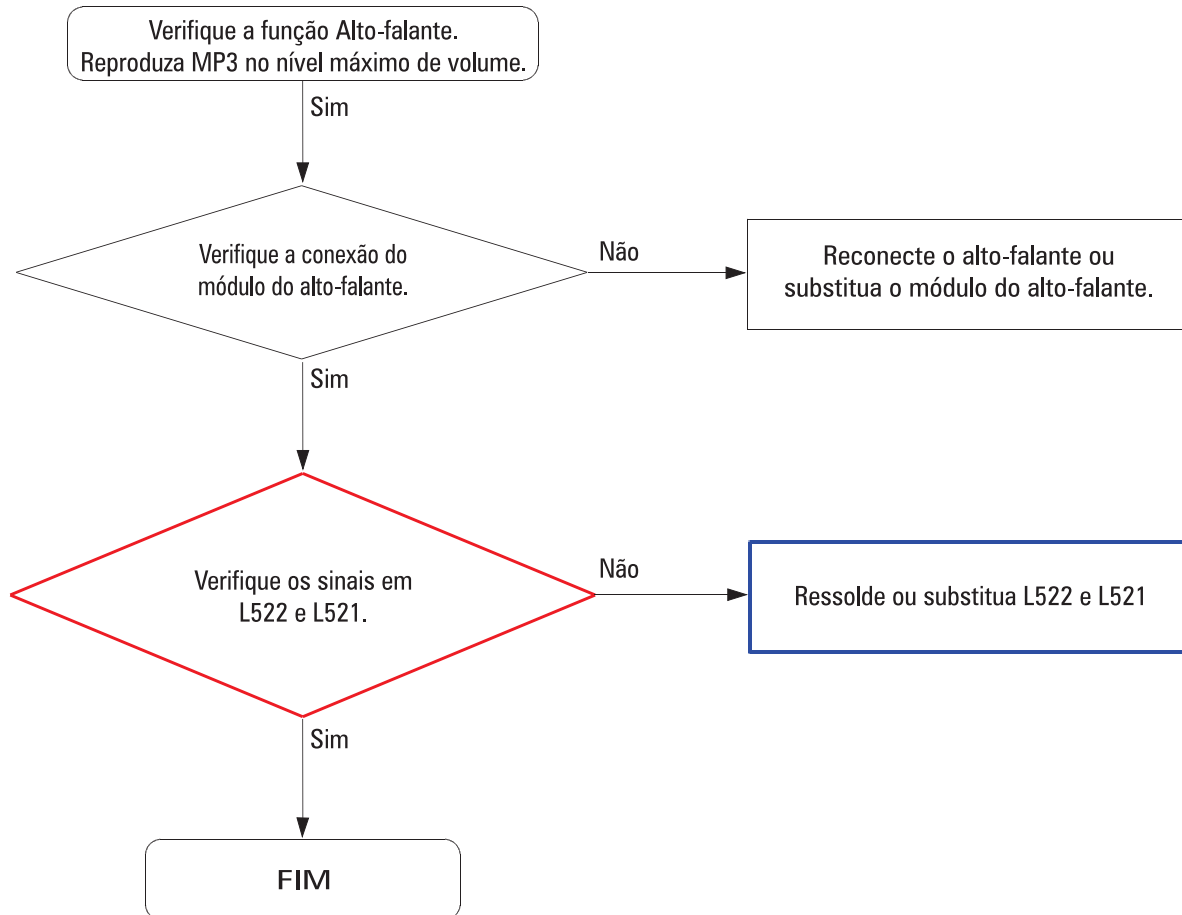


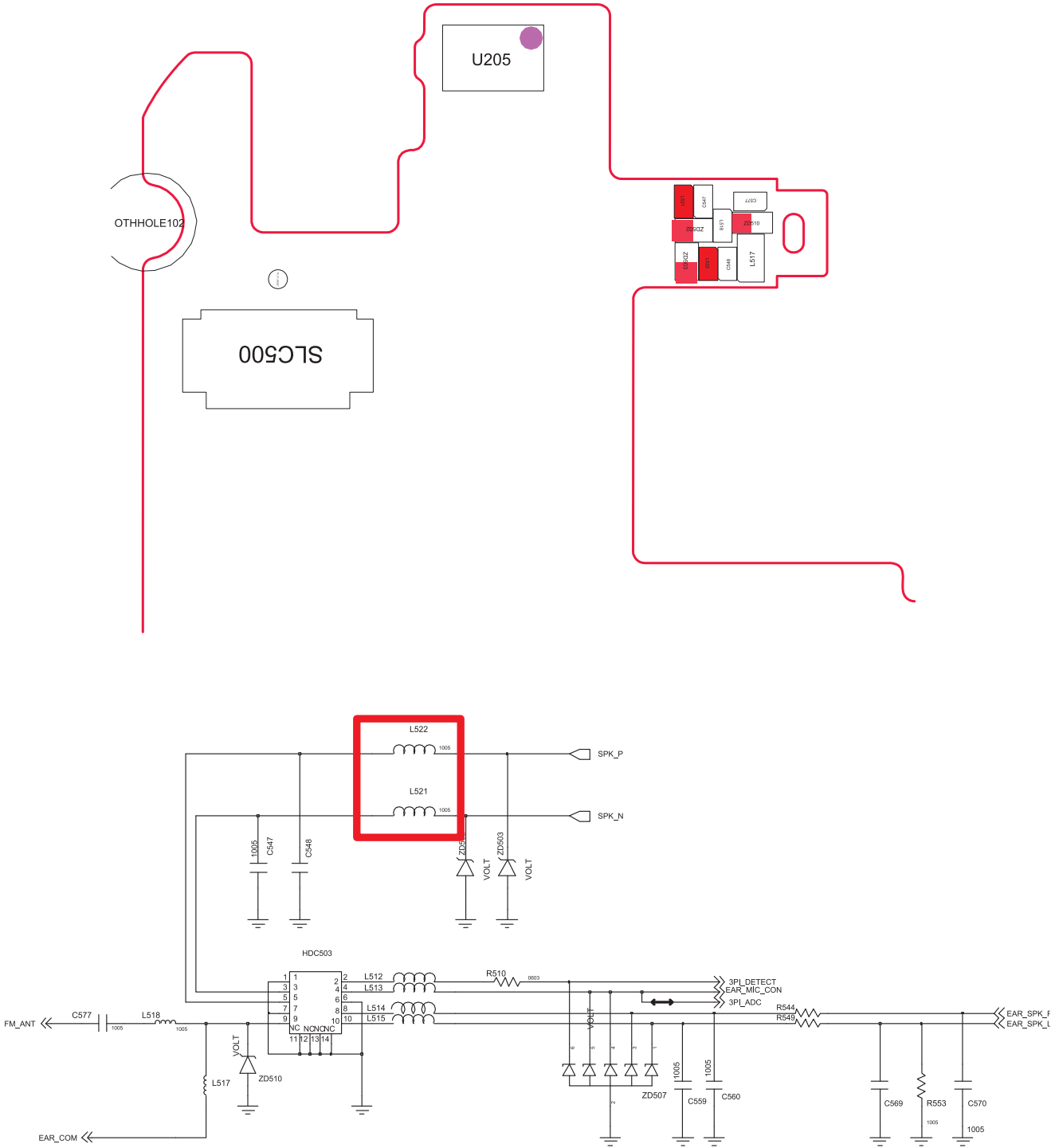
6.1.6 Seção do Microfone



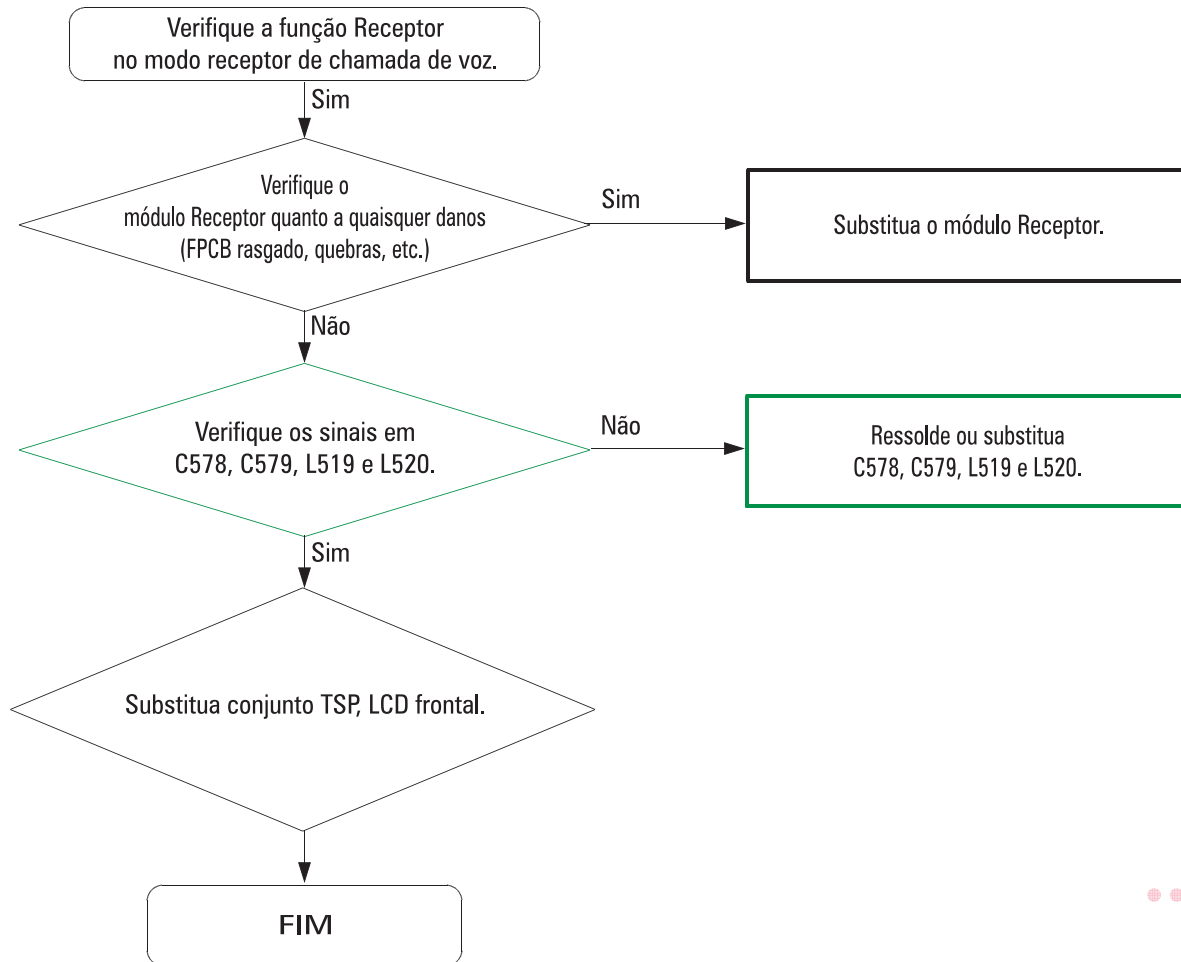


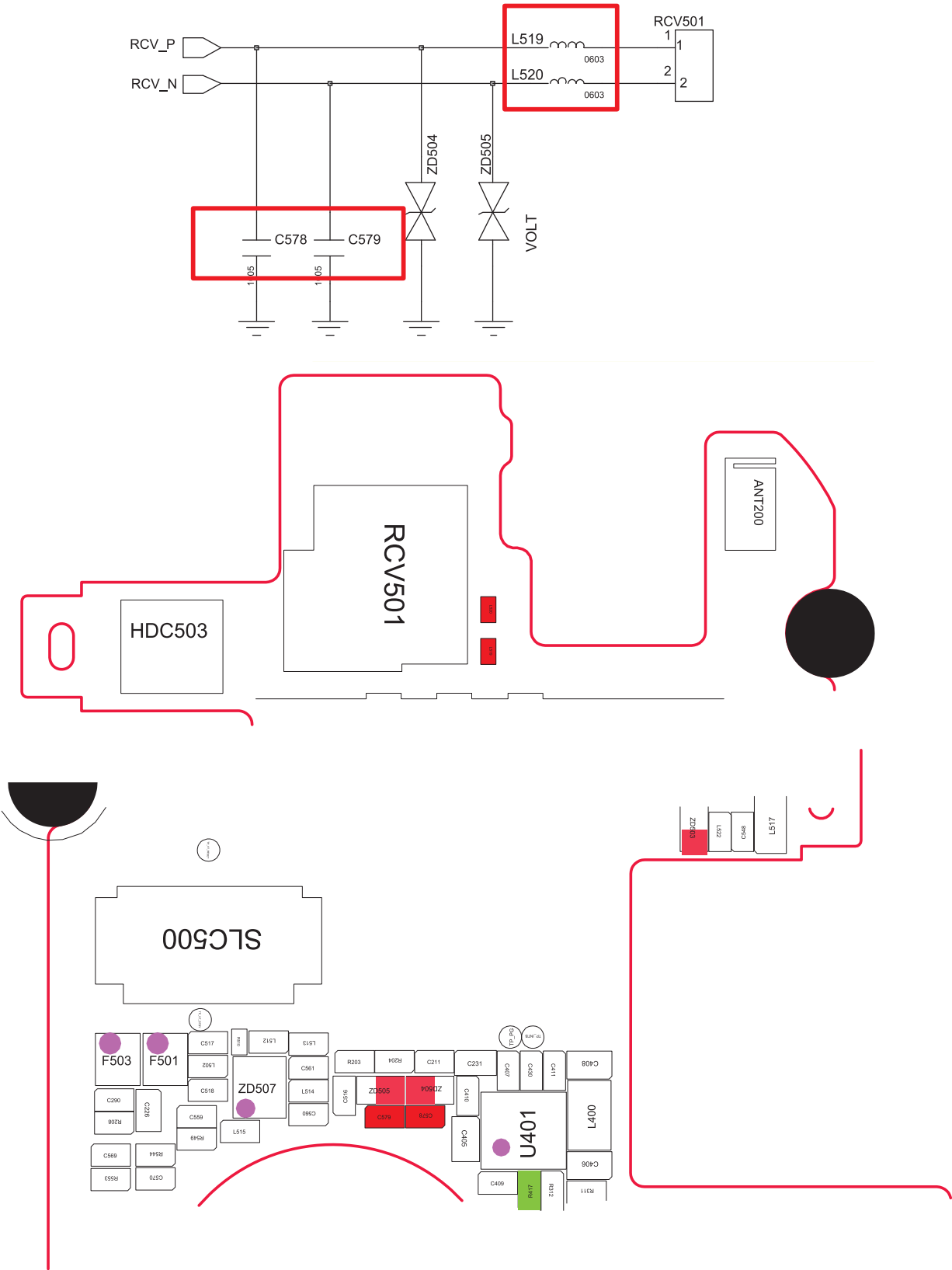
6.1.7 Seção do Alto-falante



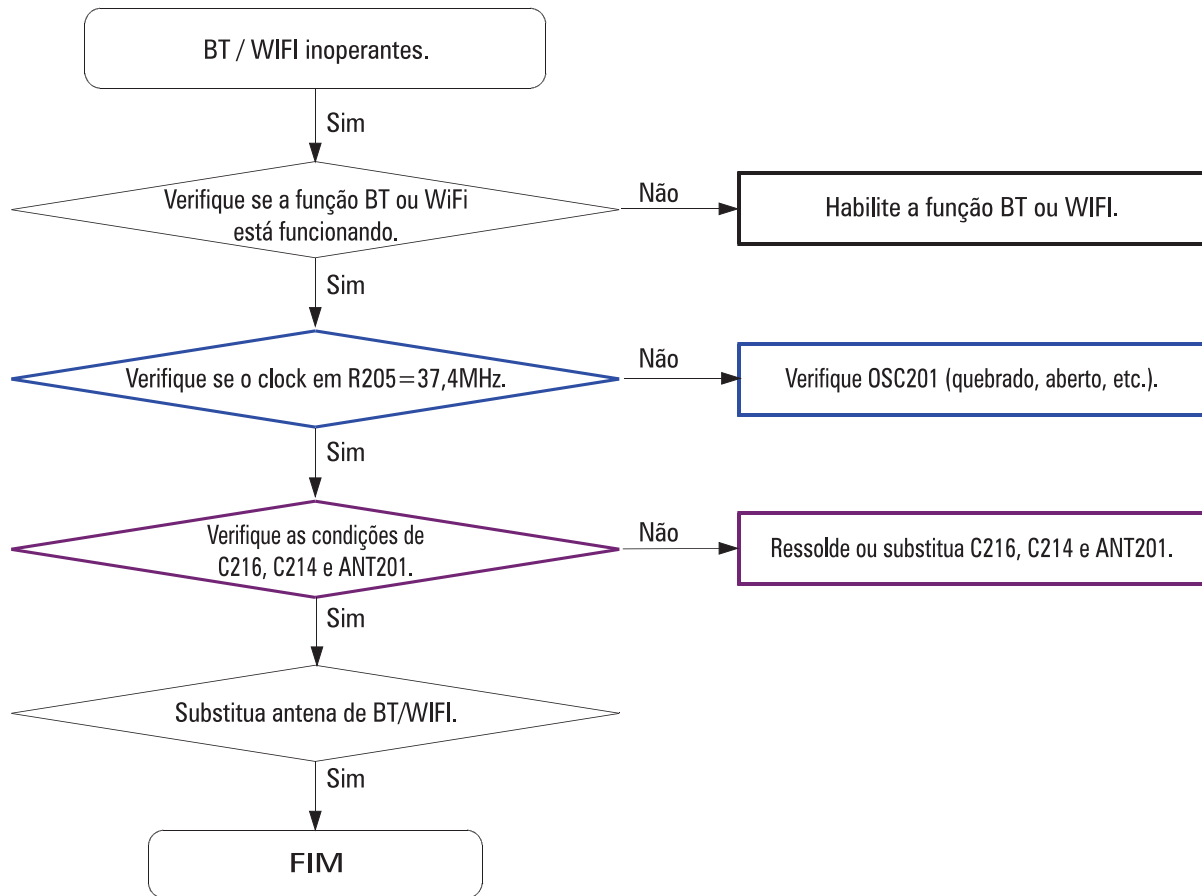


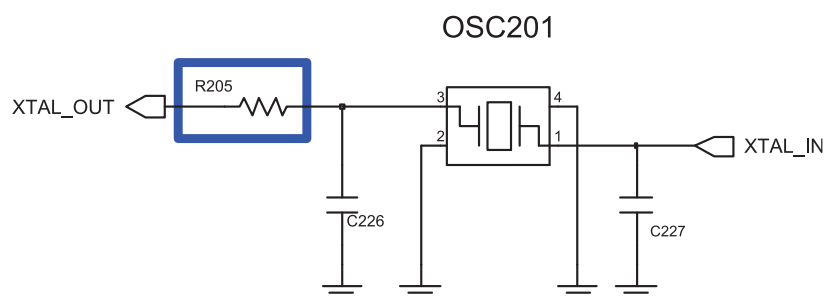
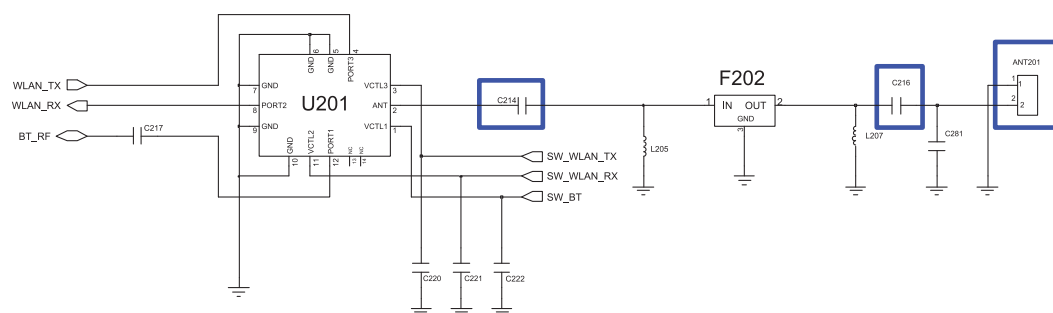
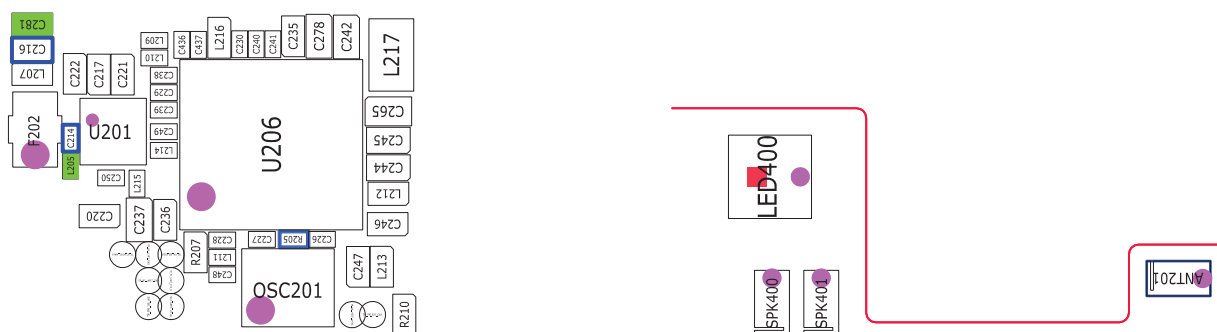
6.1.8 Seção do Receptor



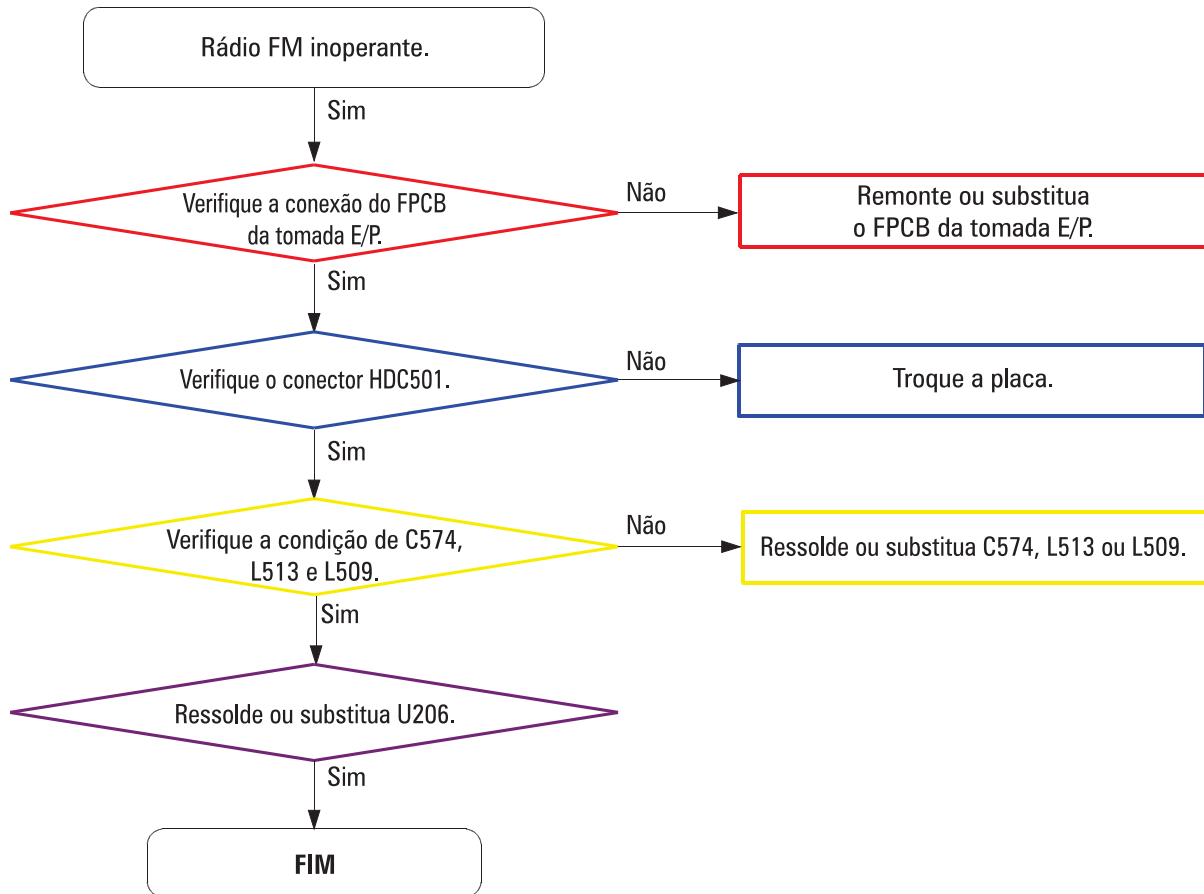


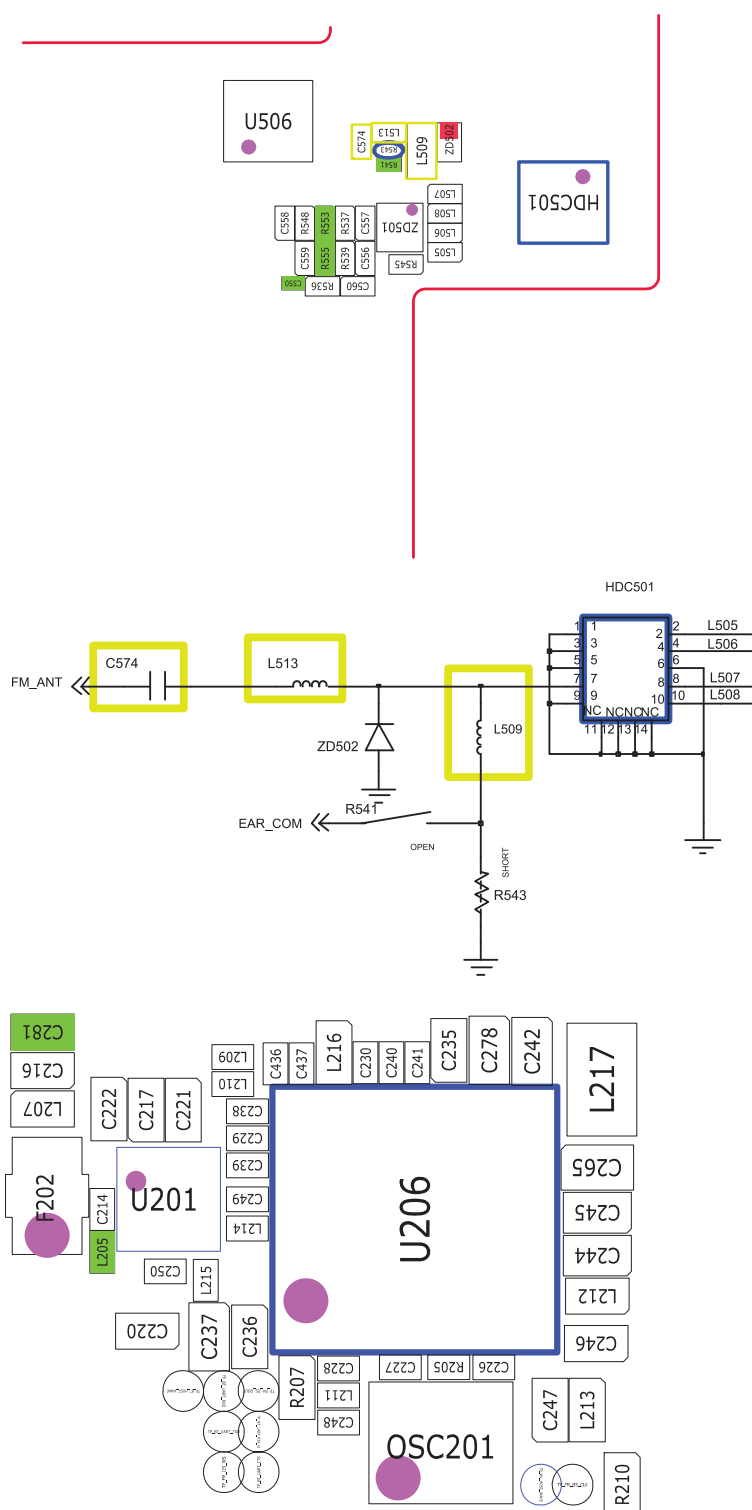
6.1.9 BT/WIFI

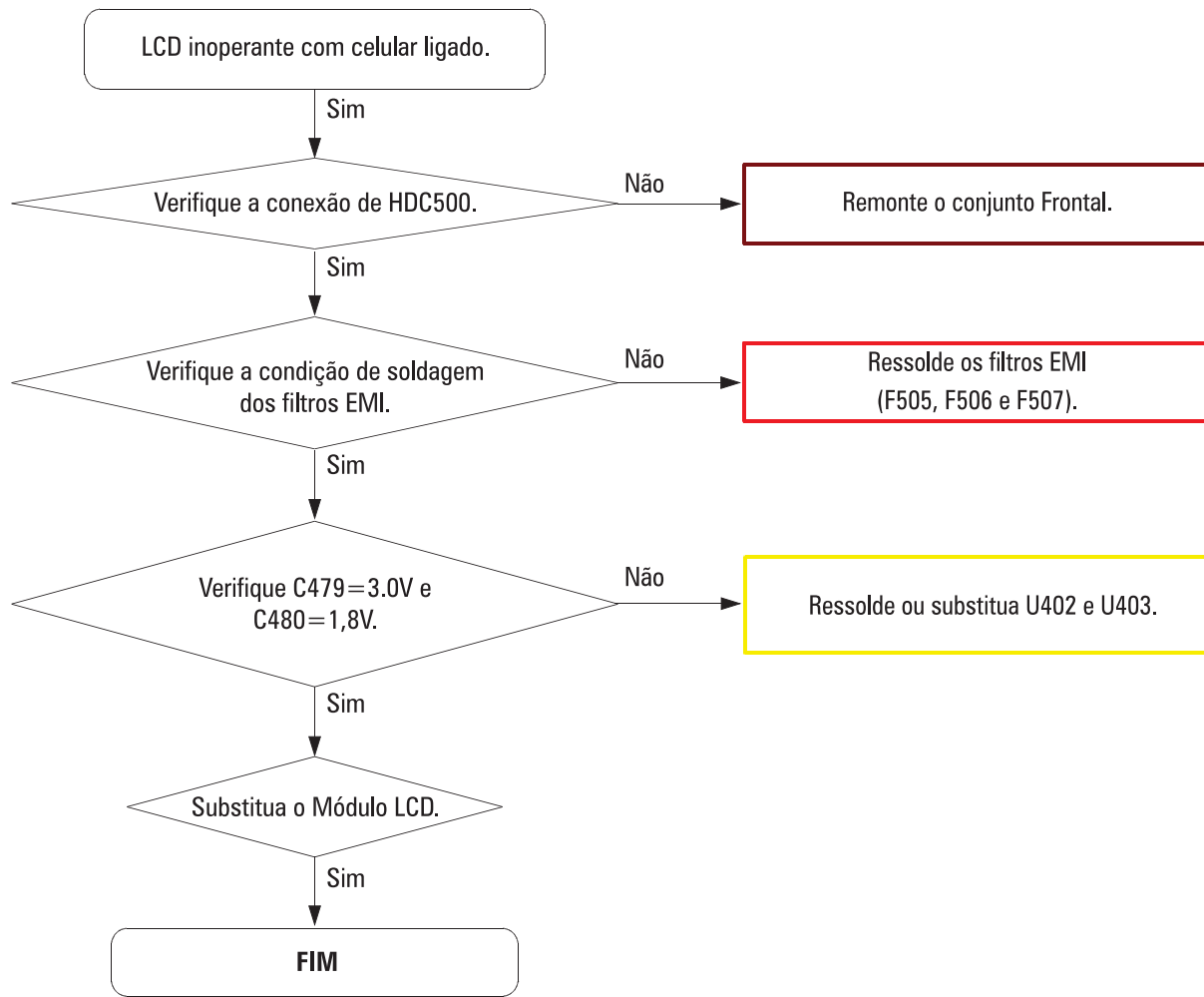


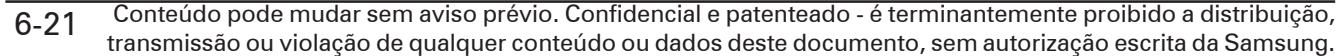


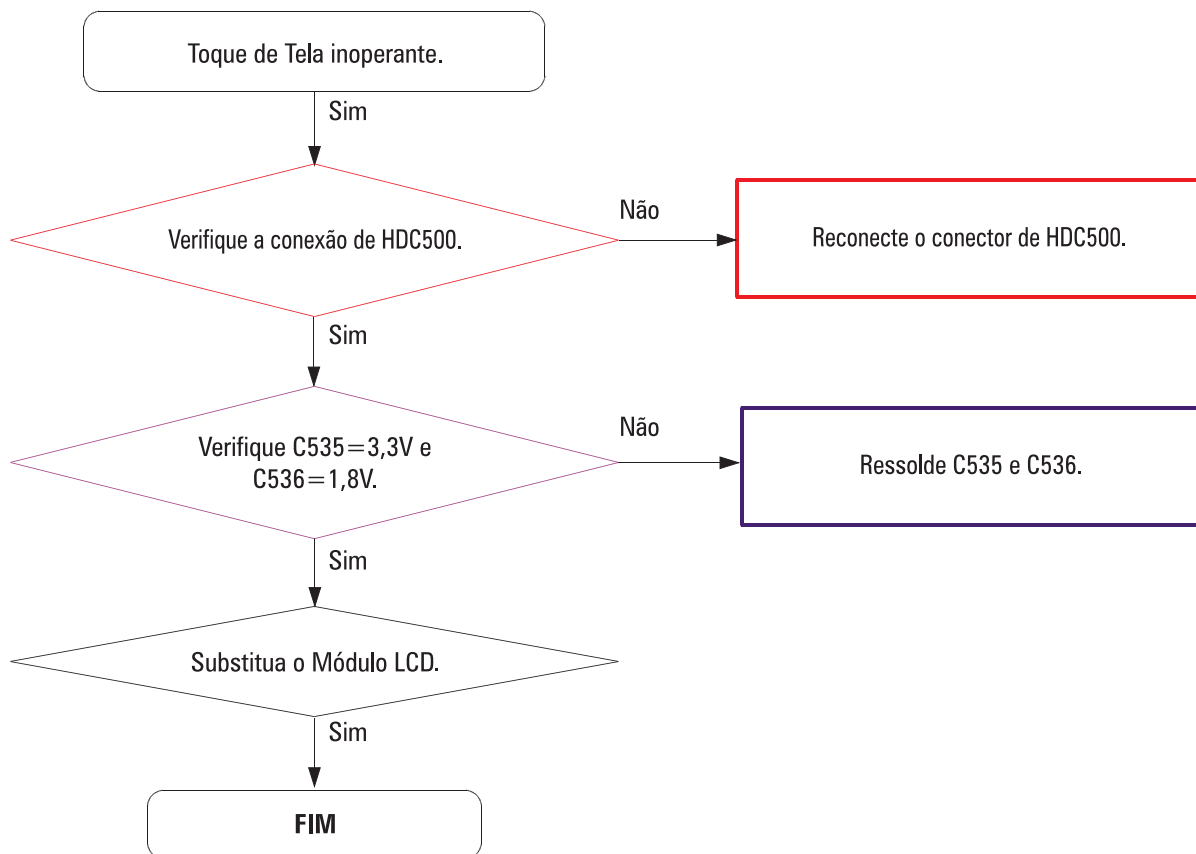
6.1.10 Rádio FM





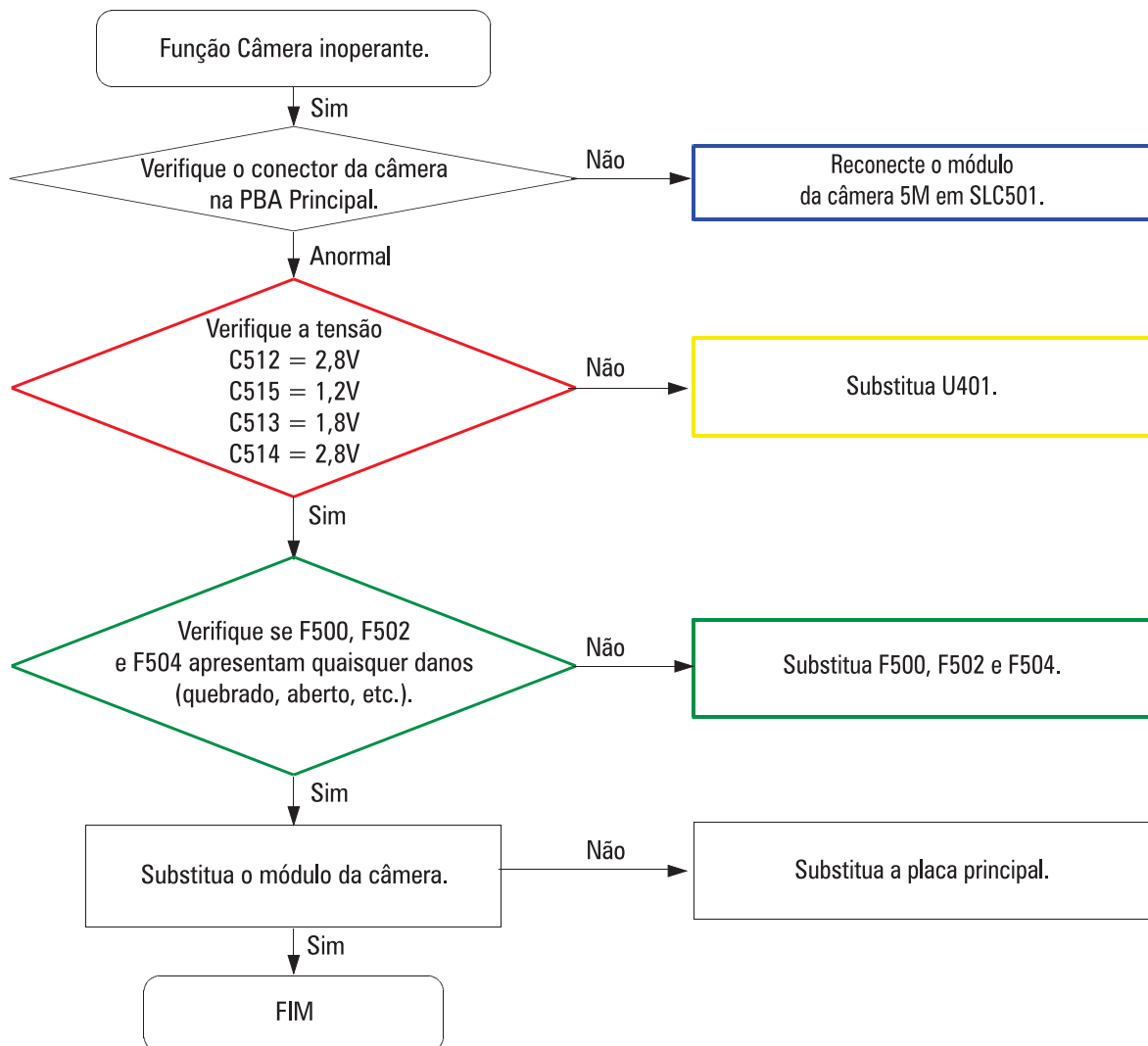
6.1.11 LCD



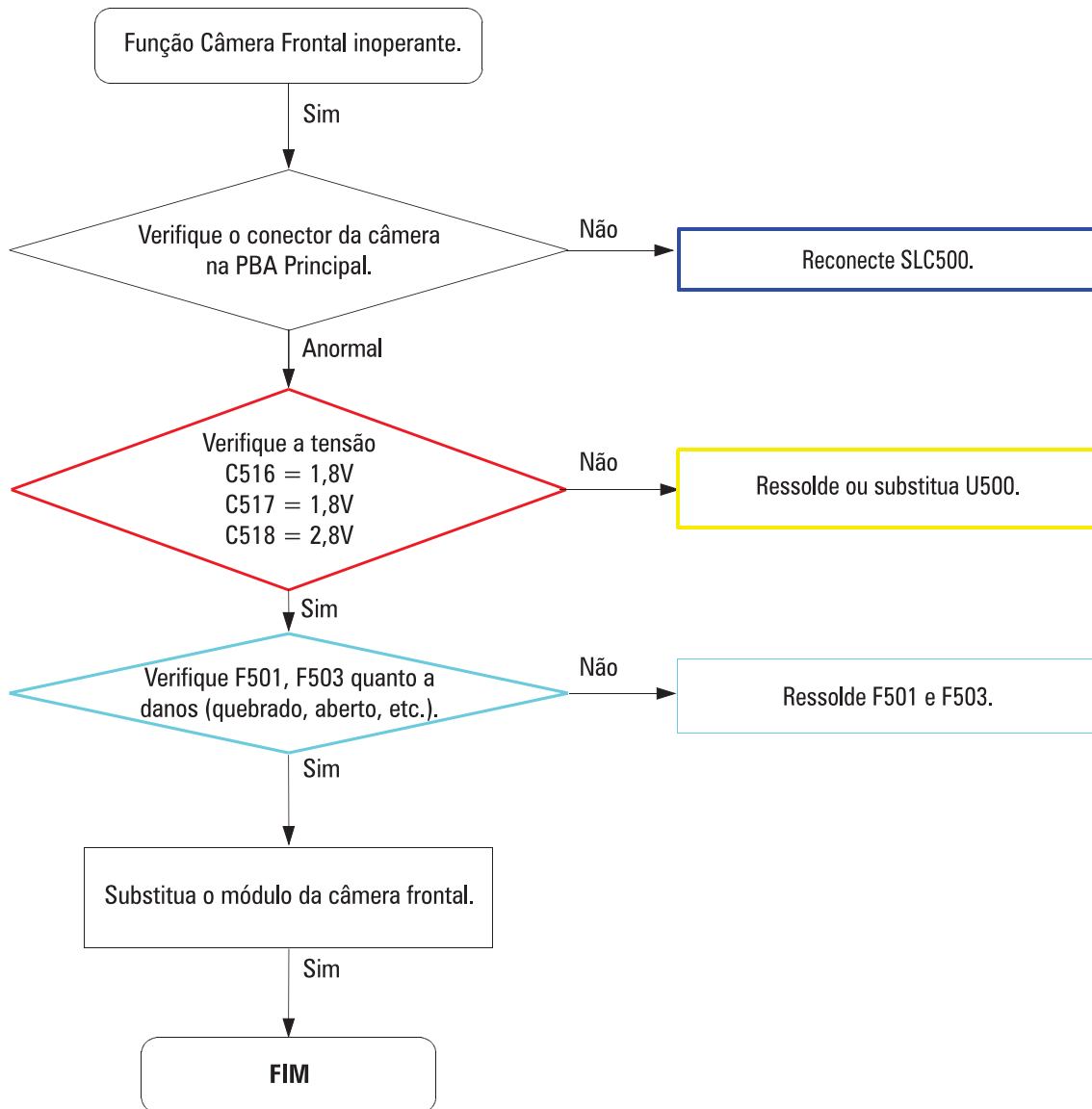
6.1.12 TSP

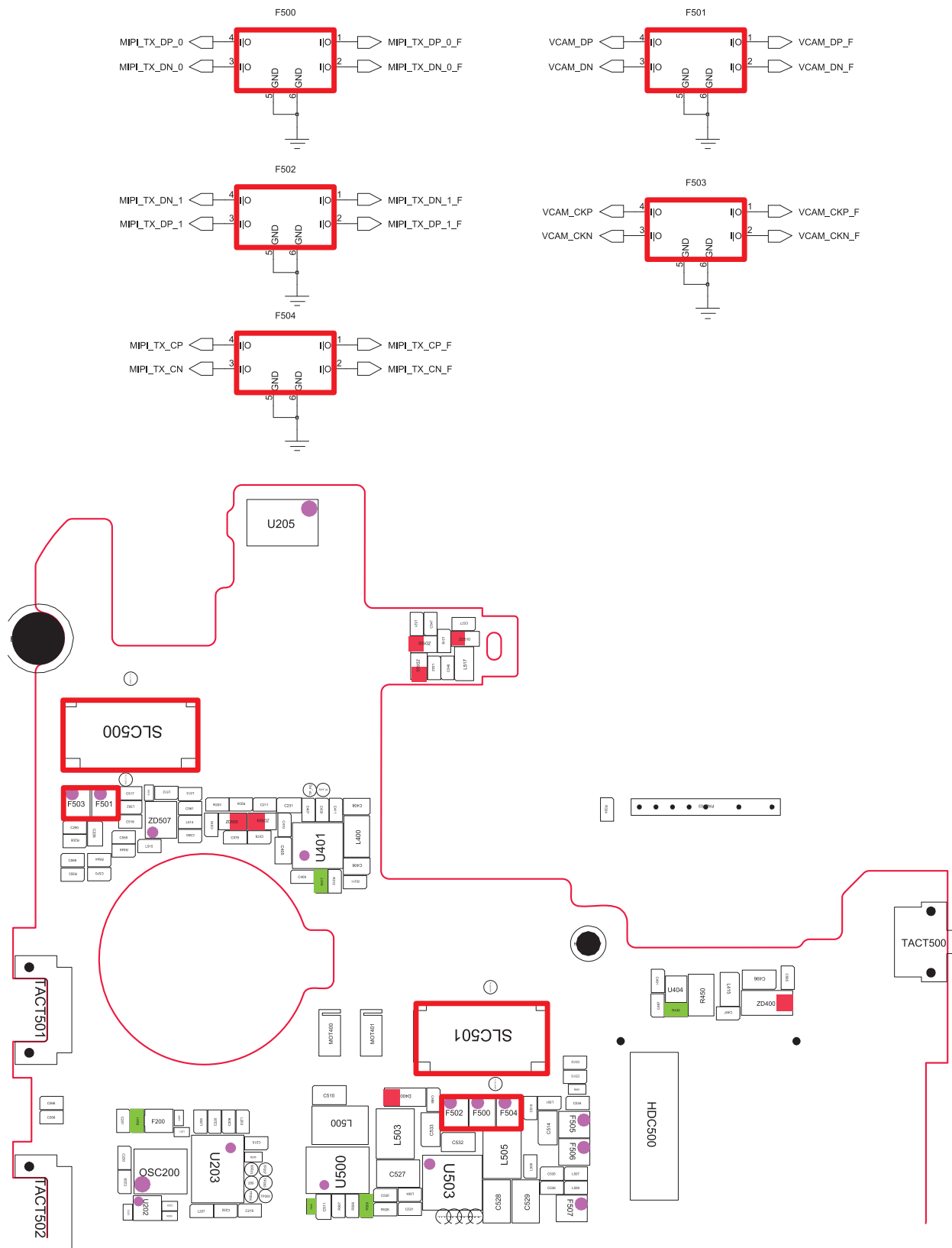


6.1.13 Câmera 5M

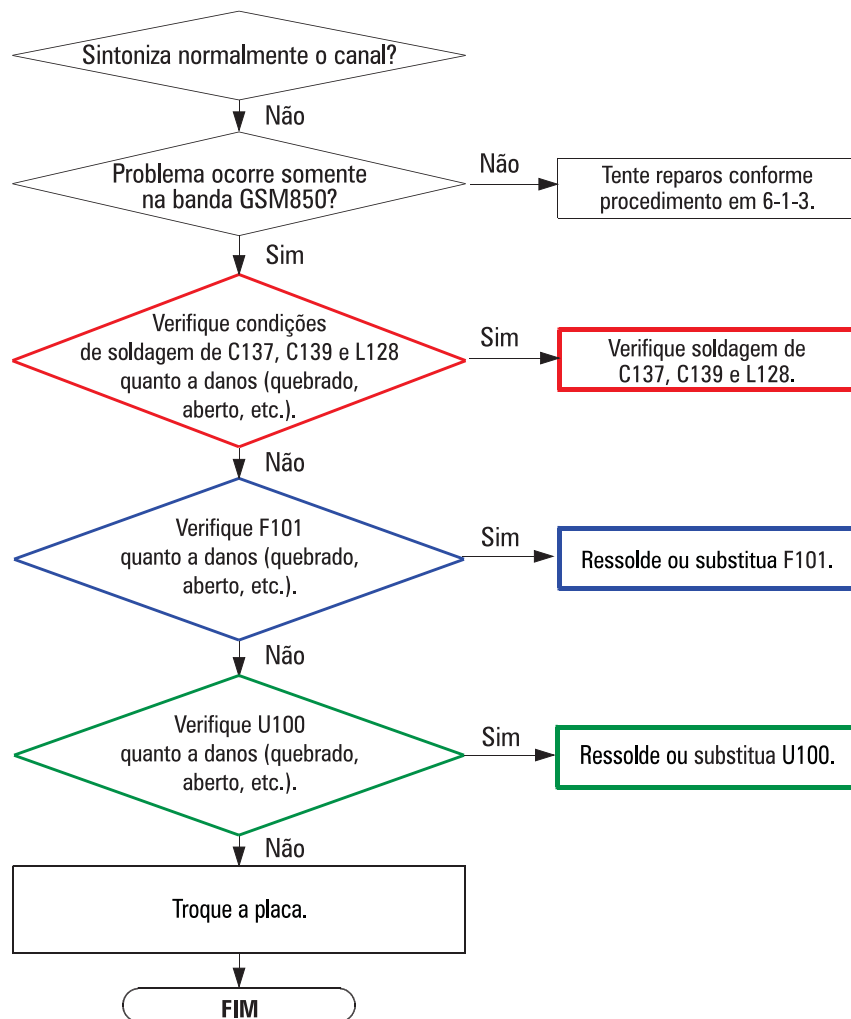


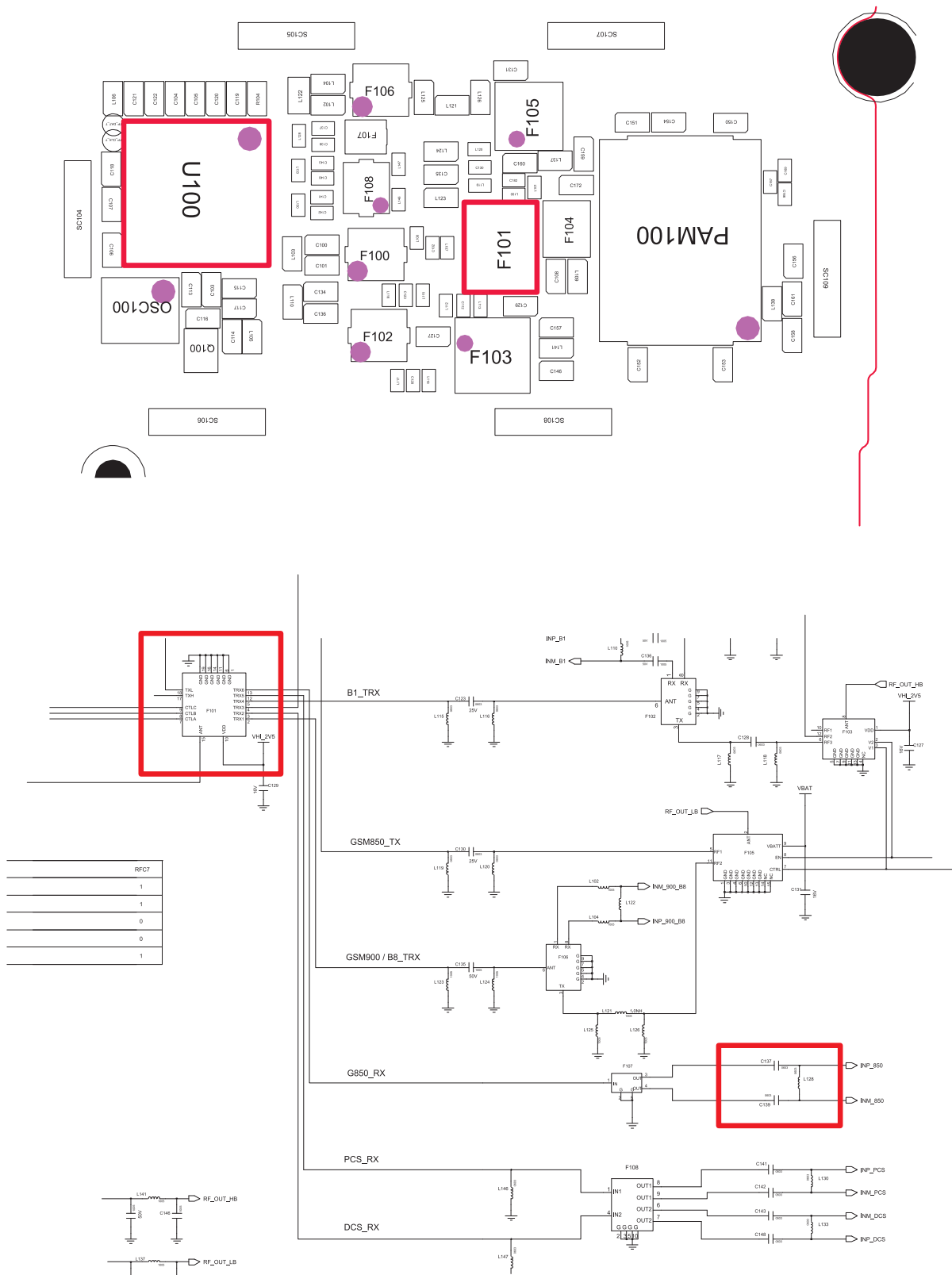
6.1.14 Câmera 1,3M



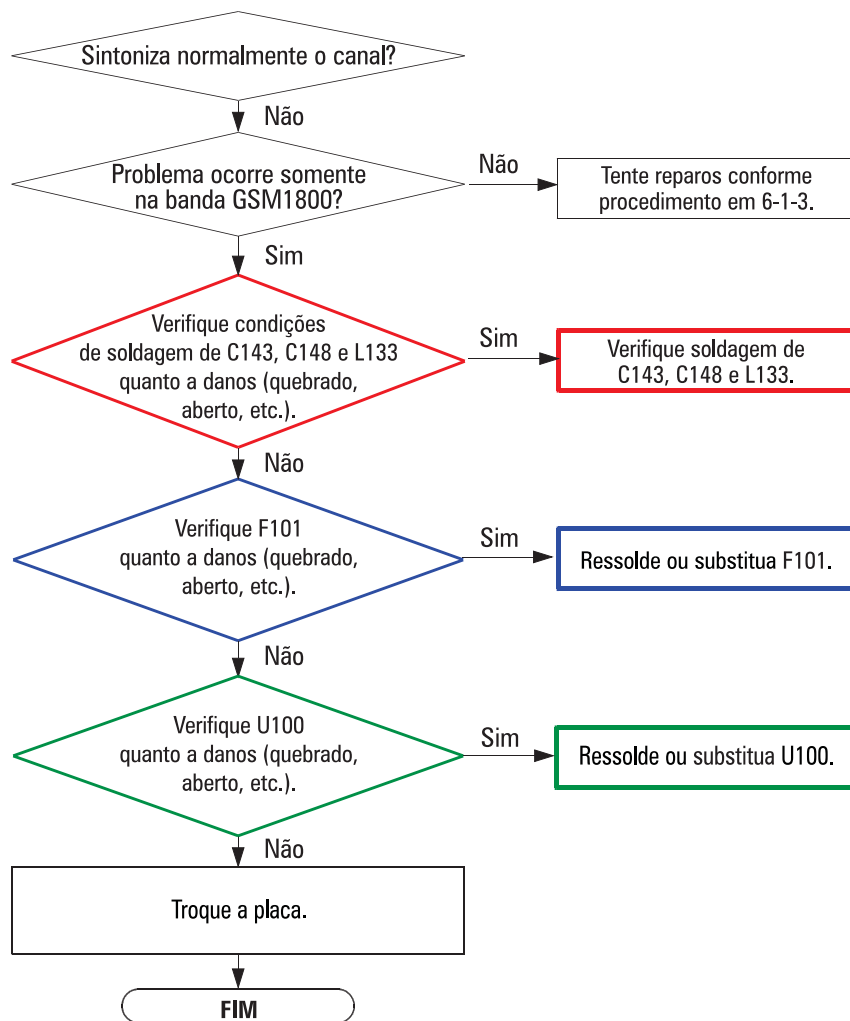


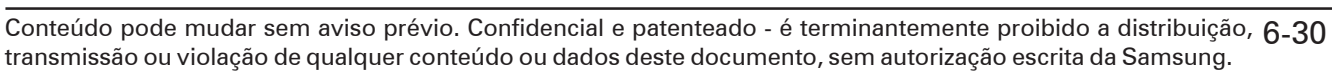
6.1.15 Receptor GSM850



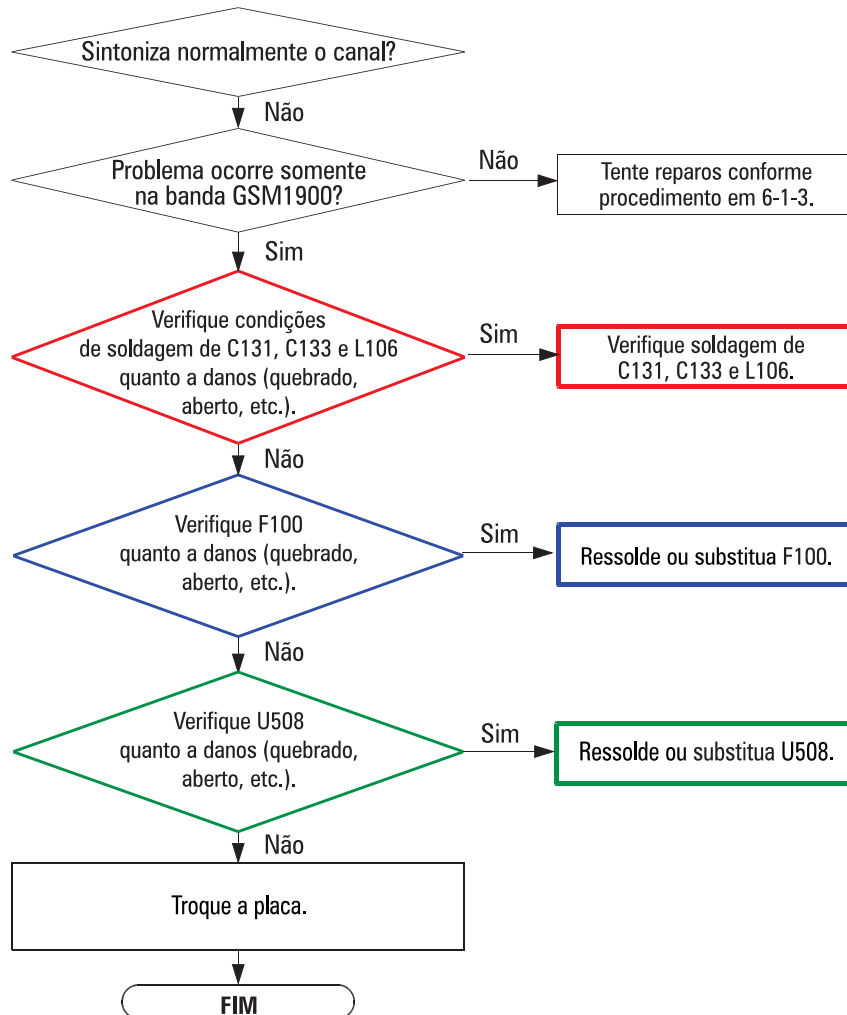


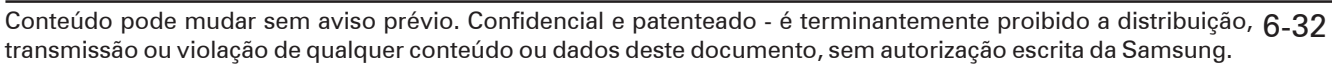
6.1.16 Receptor GSM1800



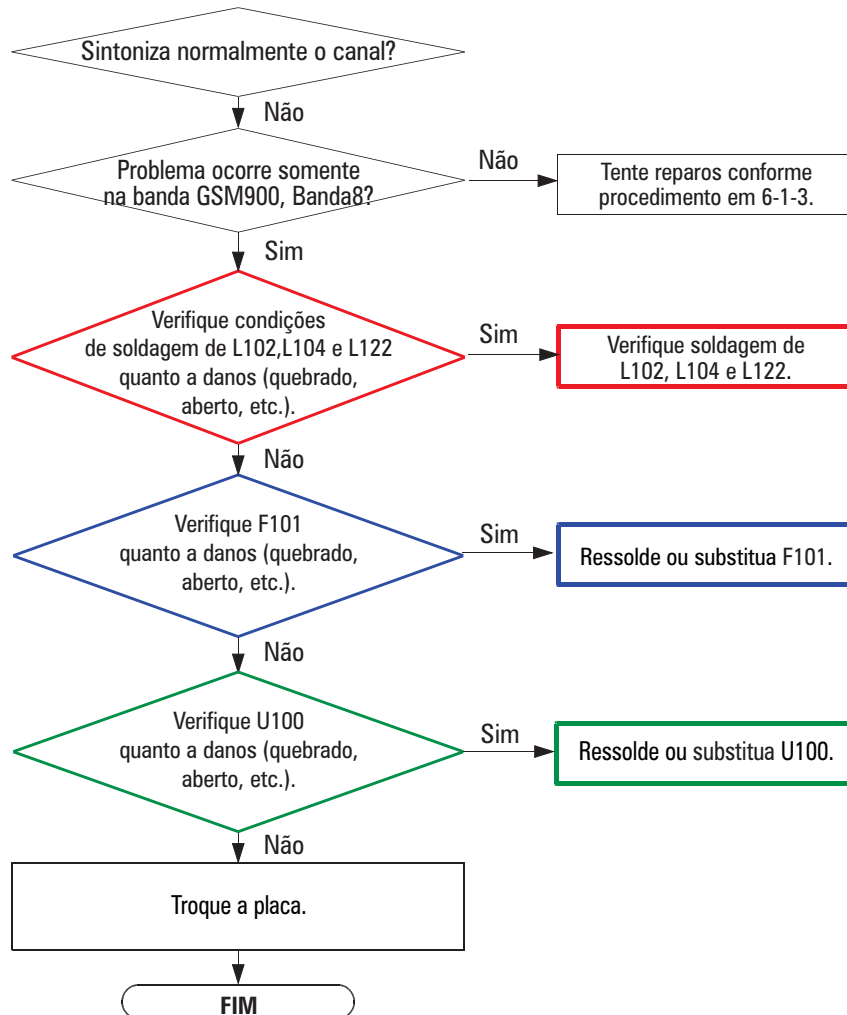


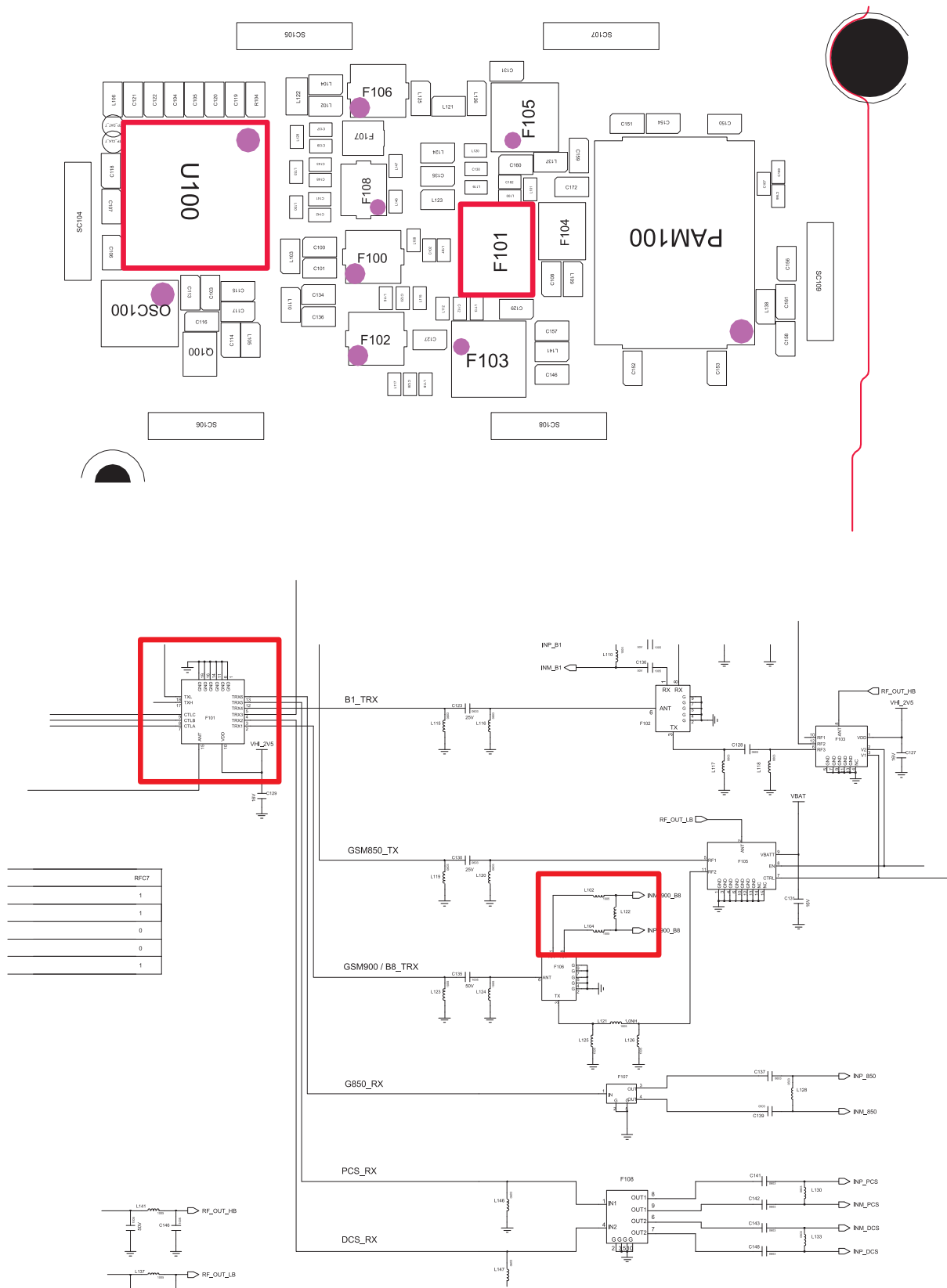
6.1.17 Receptor GSM1900



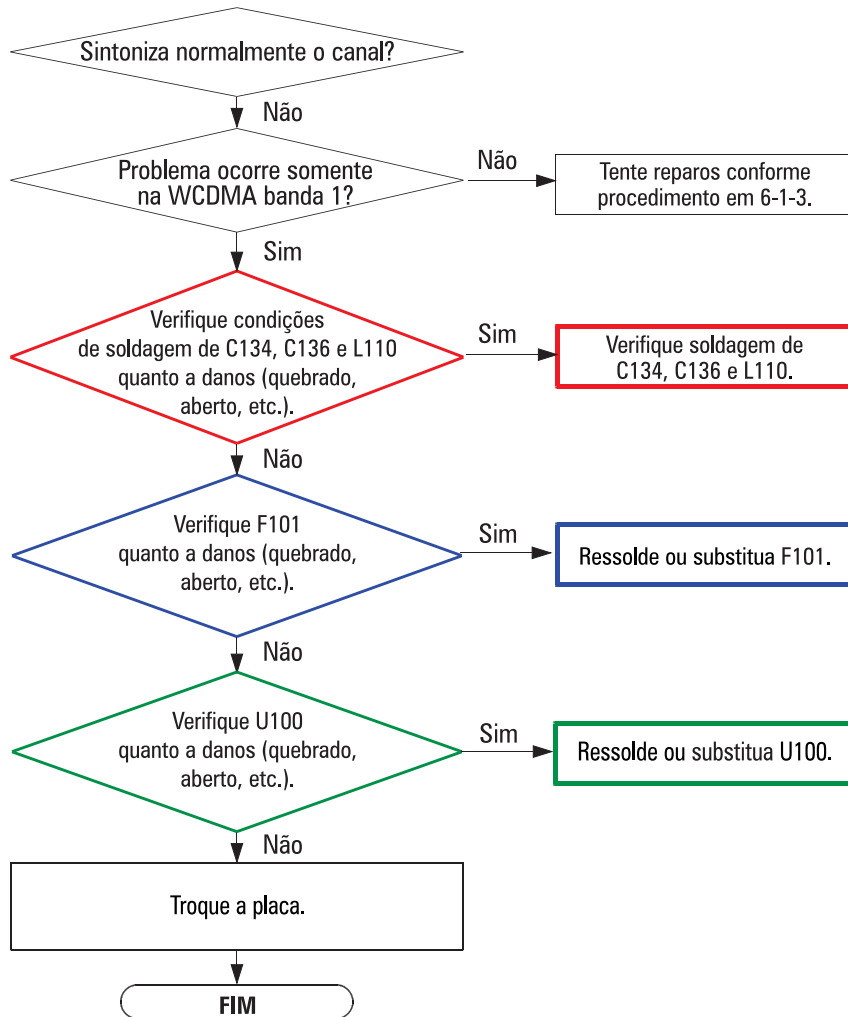


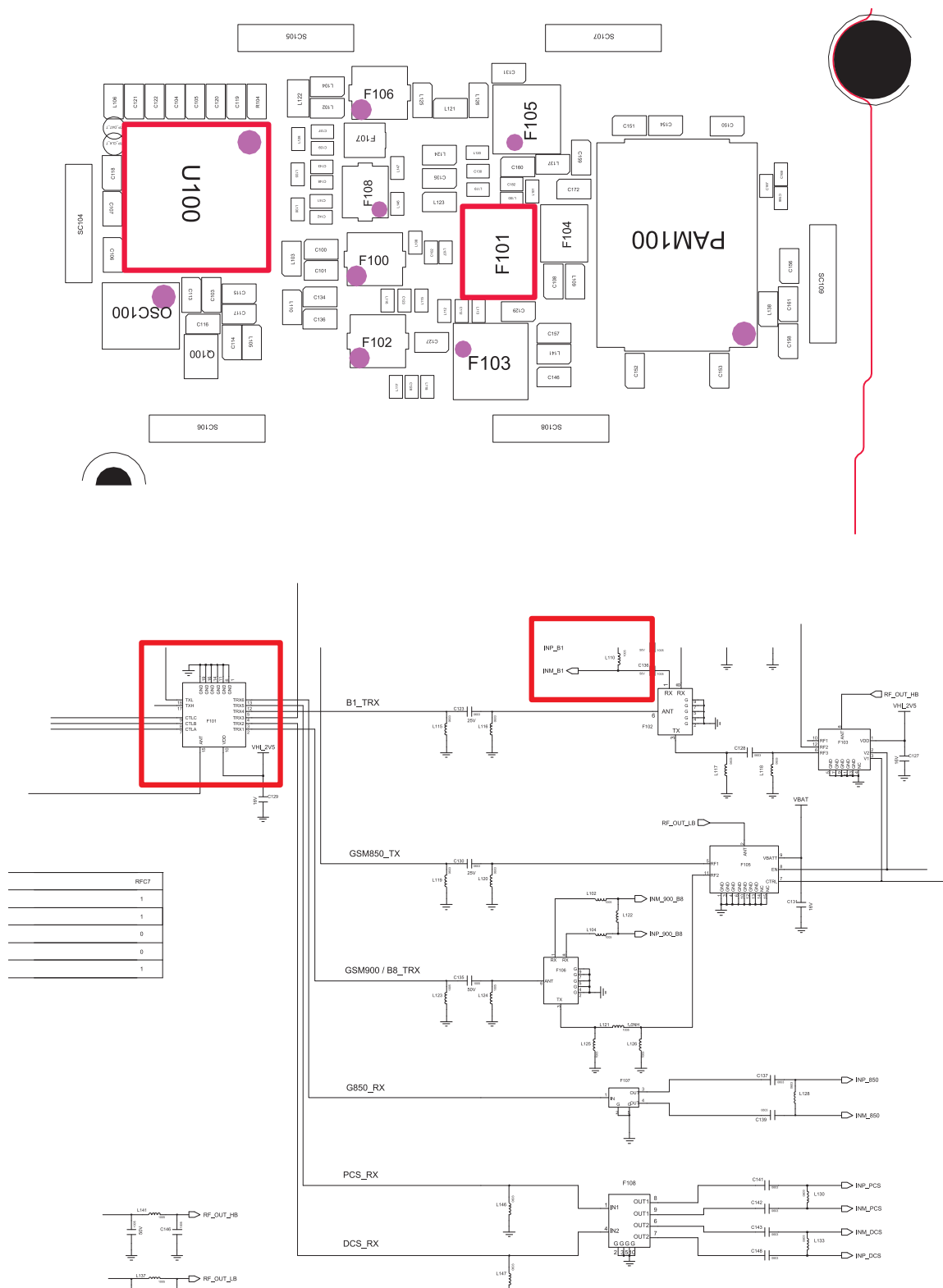
6.1.18 Receptor GSM900 Banda 8



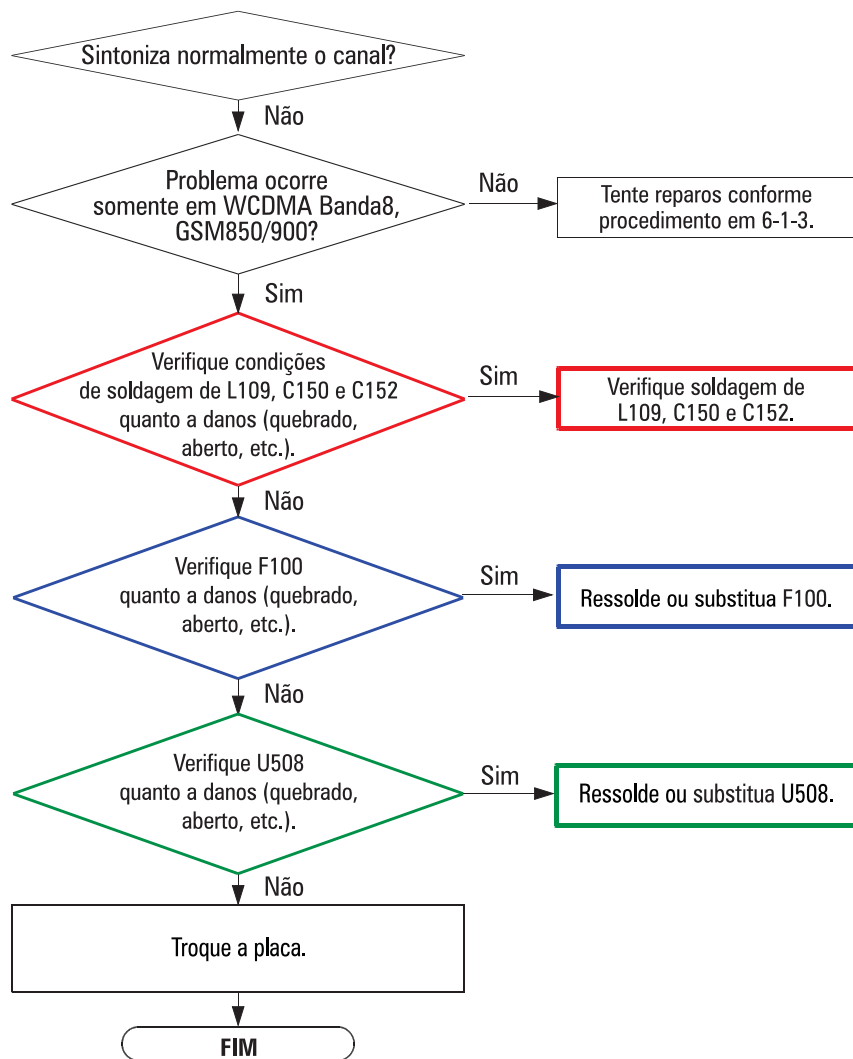


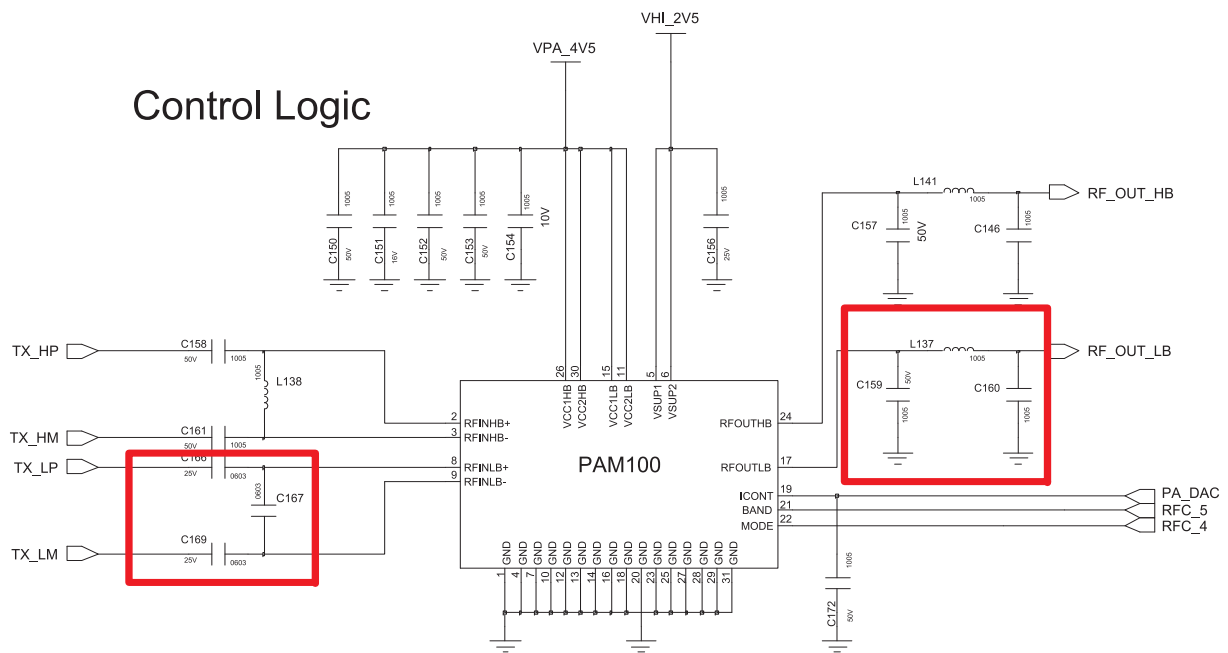
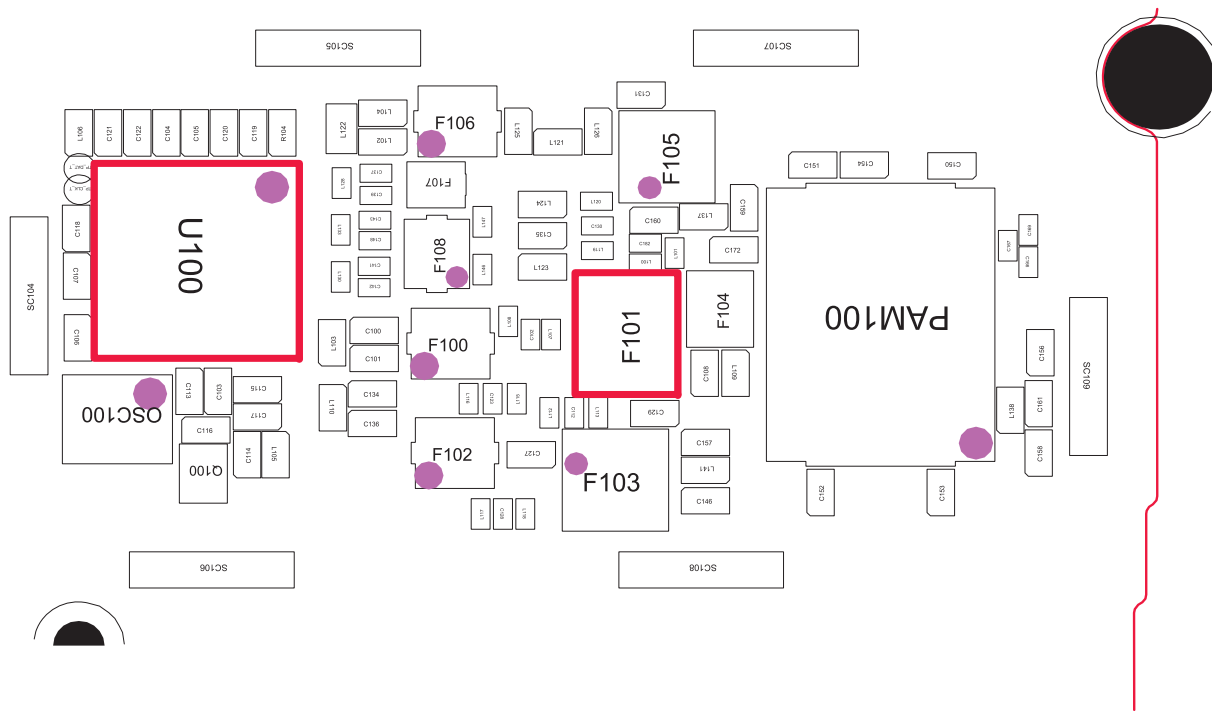
6.1.19 Receptor WCDMA Banda 1



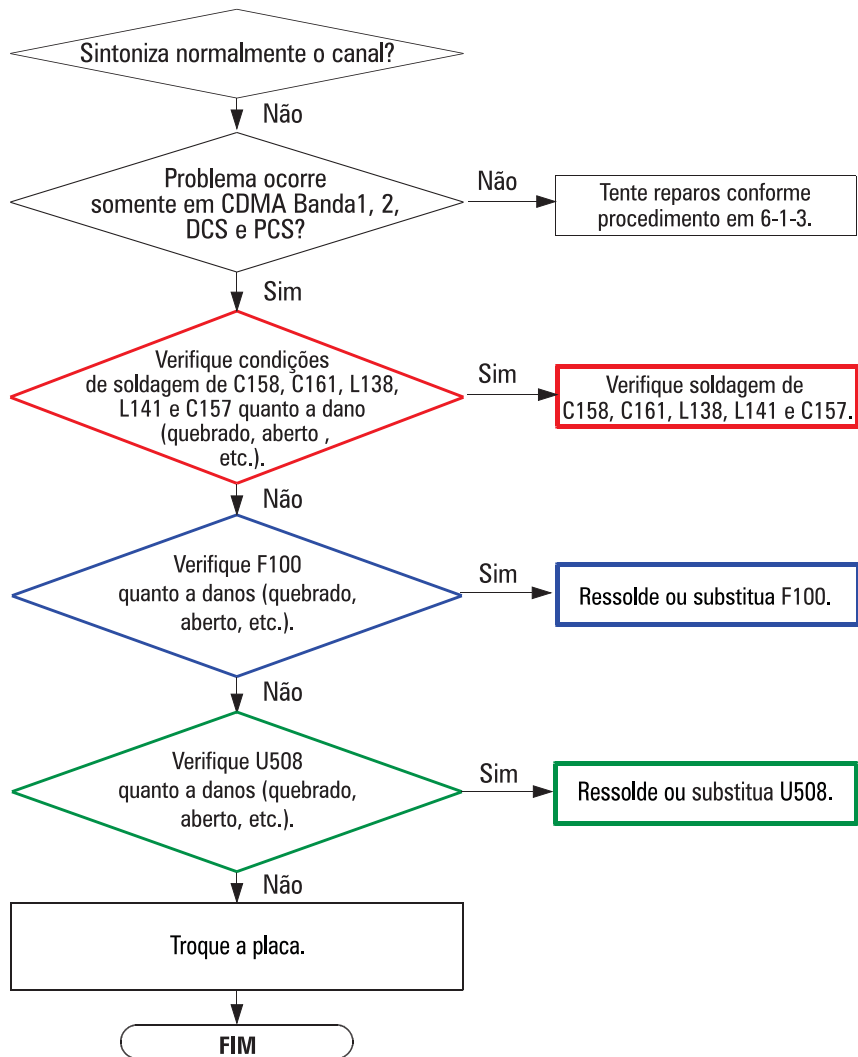


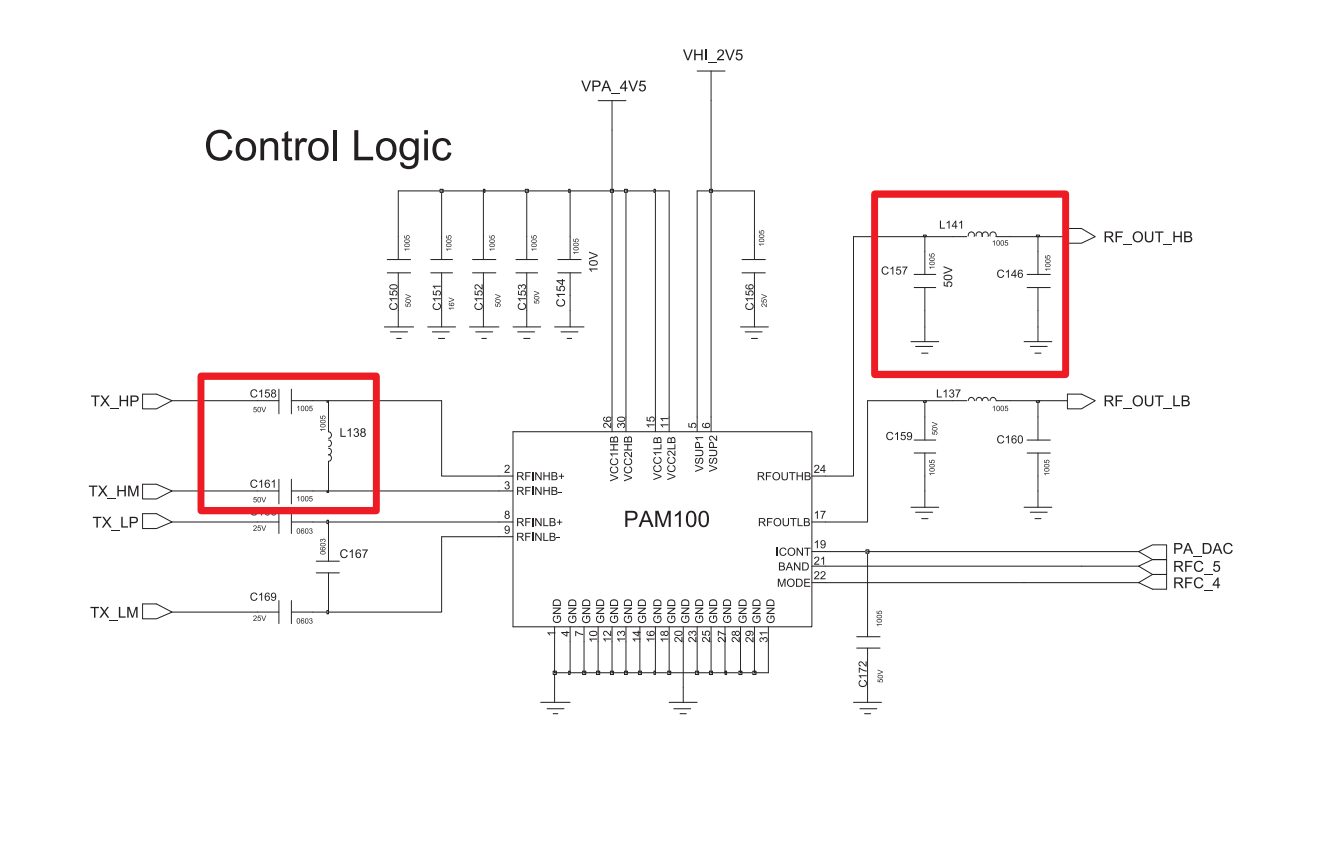
6.1.20 Transmissor WCDMA Banda8/GSM850/GSM900





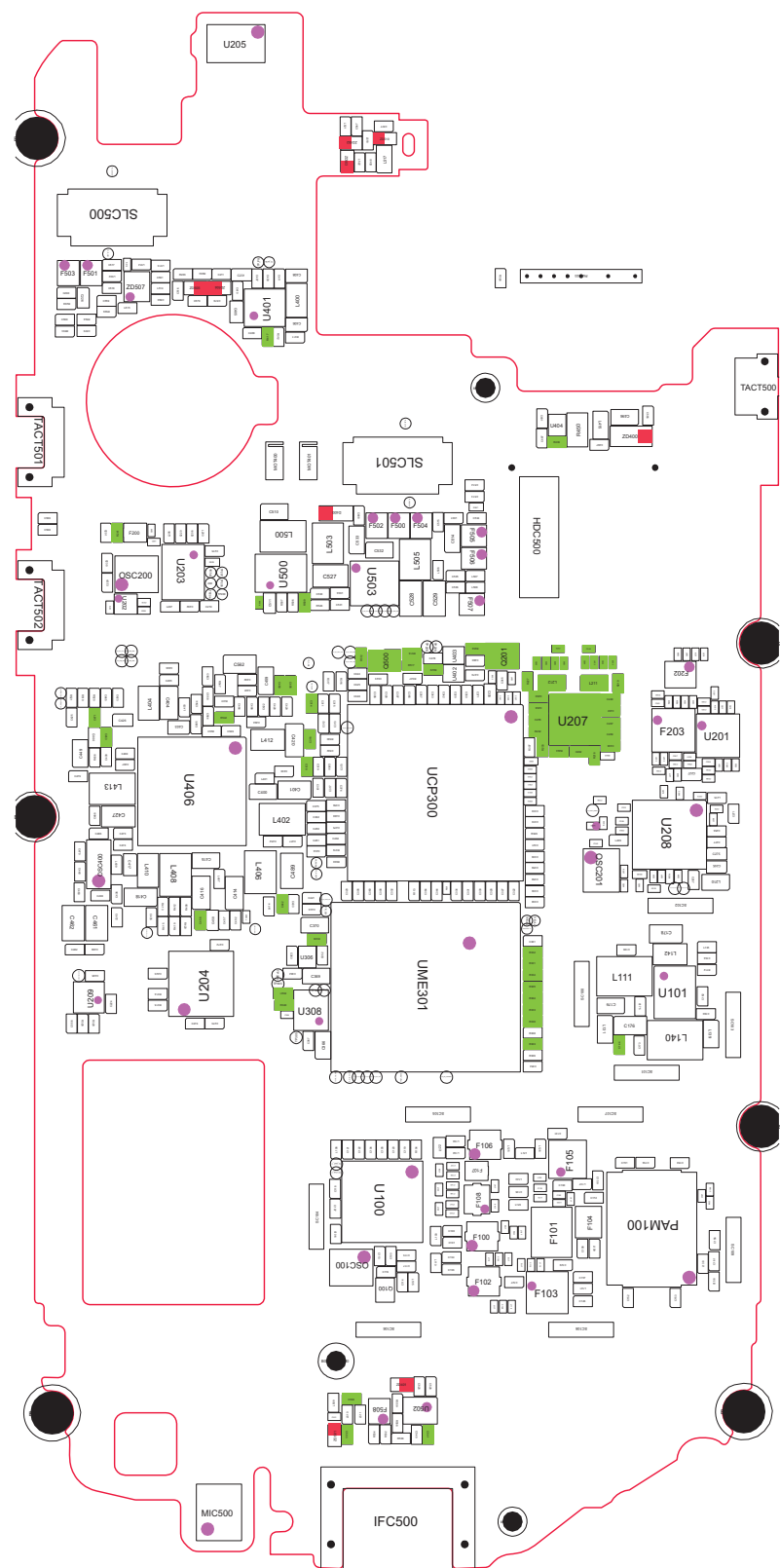
6.1.21 Transmissor WCDMA Banda1, Banda2/DCS/PCS



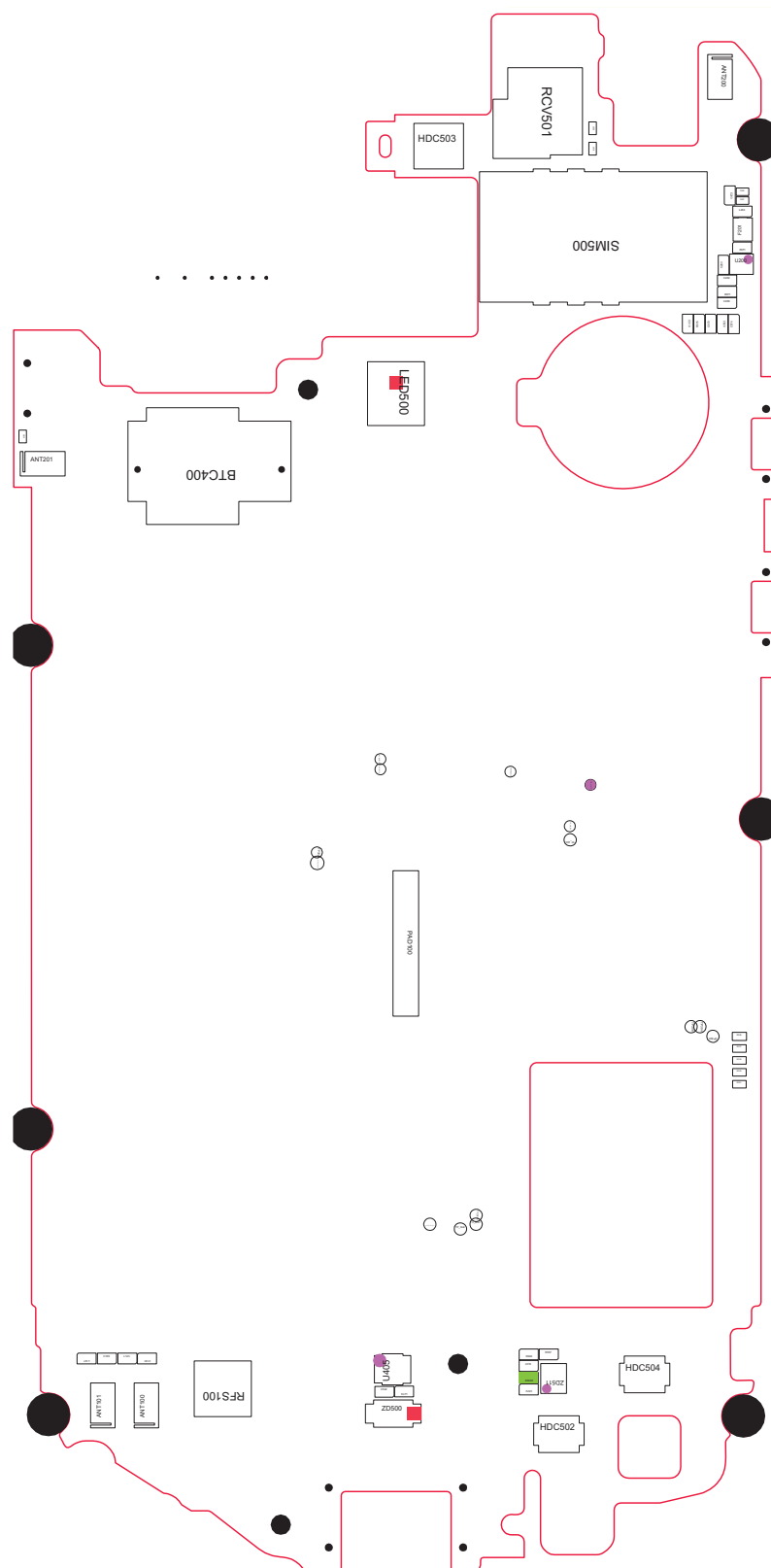


7. Diagrama de Placas

7-1 GT-I8190L - Diagrama da Placa Principal - Superior



7-2 GT-I8190L - Diagrama da Placa Principal - Inferior



ANOTAÇÕES

DEPTO. SUPORTE TÉCNICO Janeiro 2013

