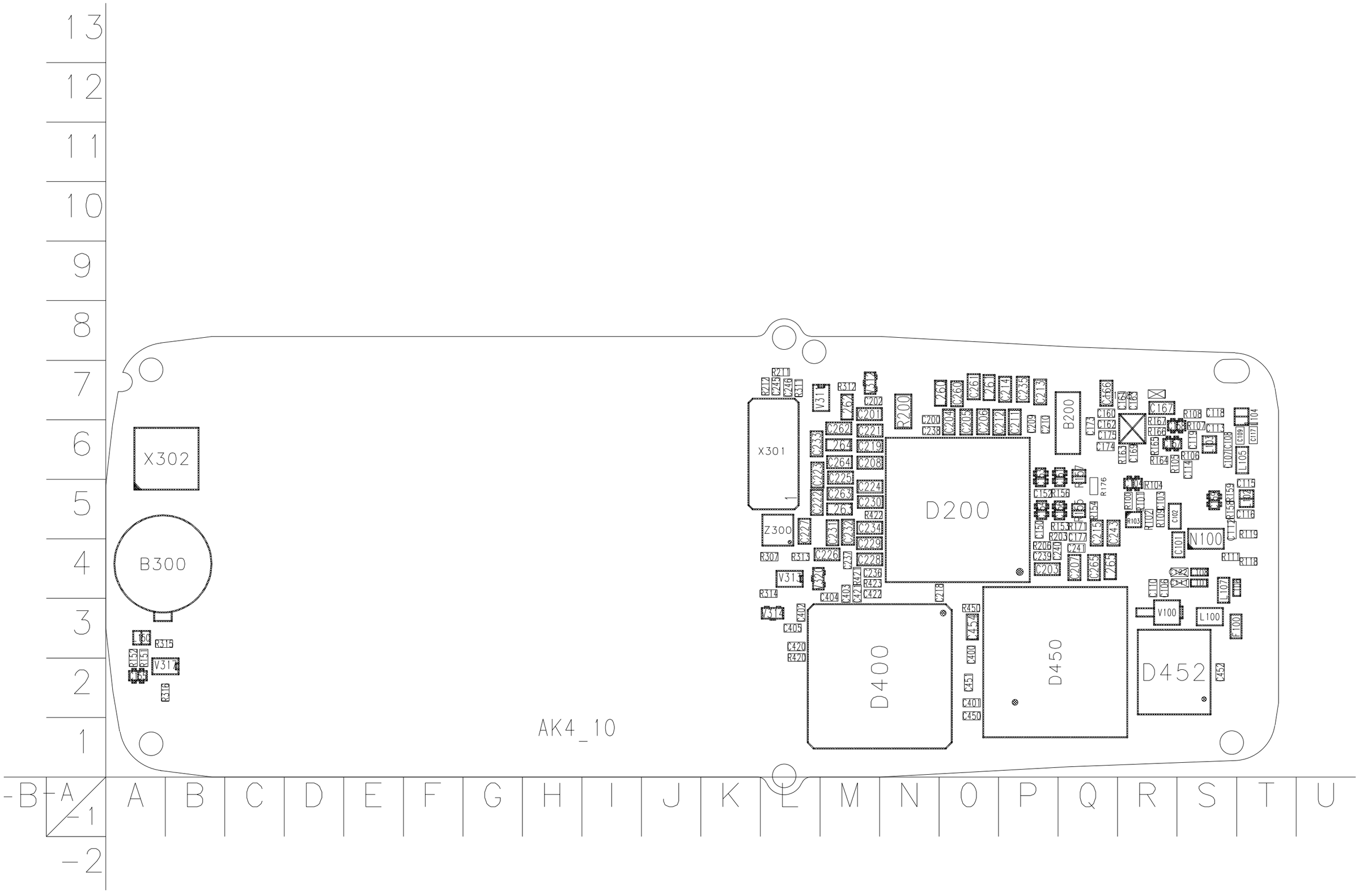

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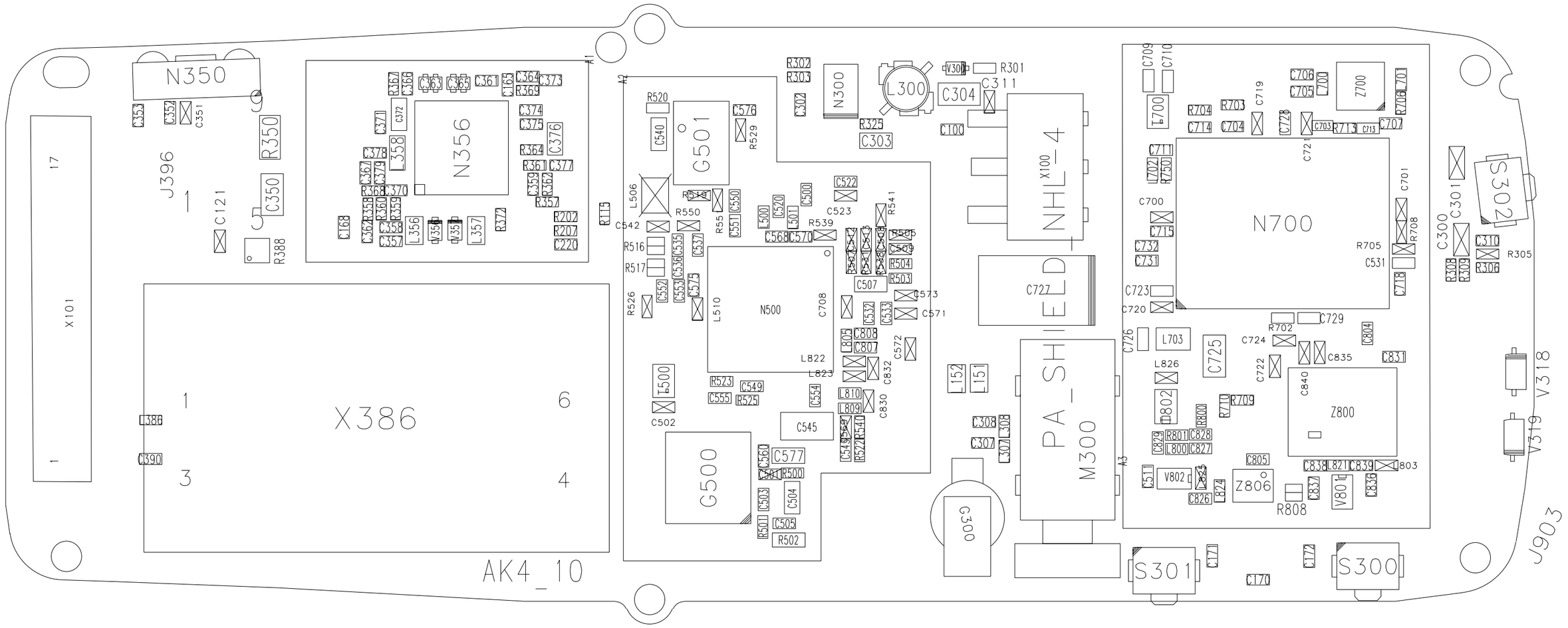

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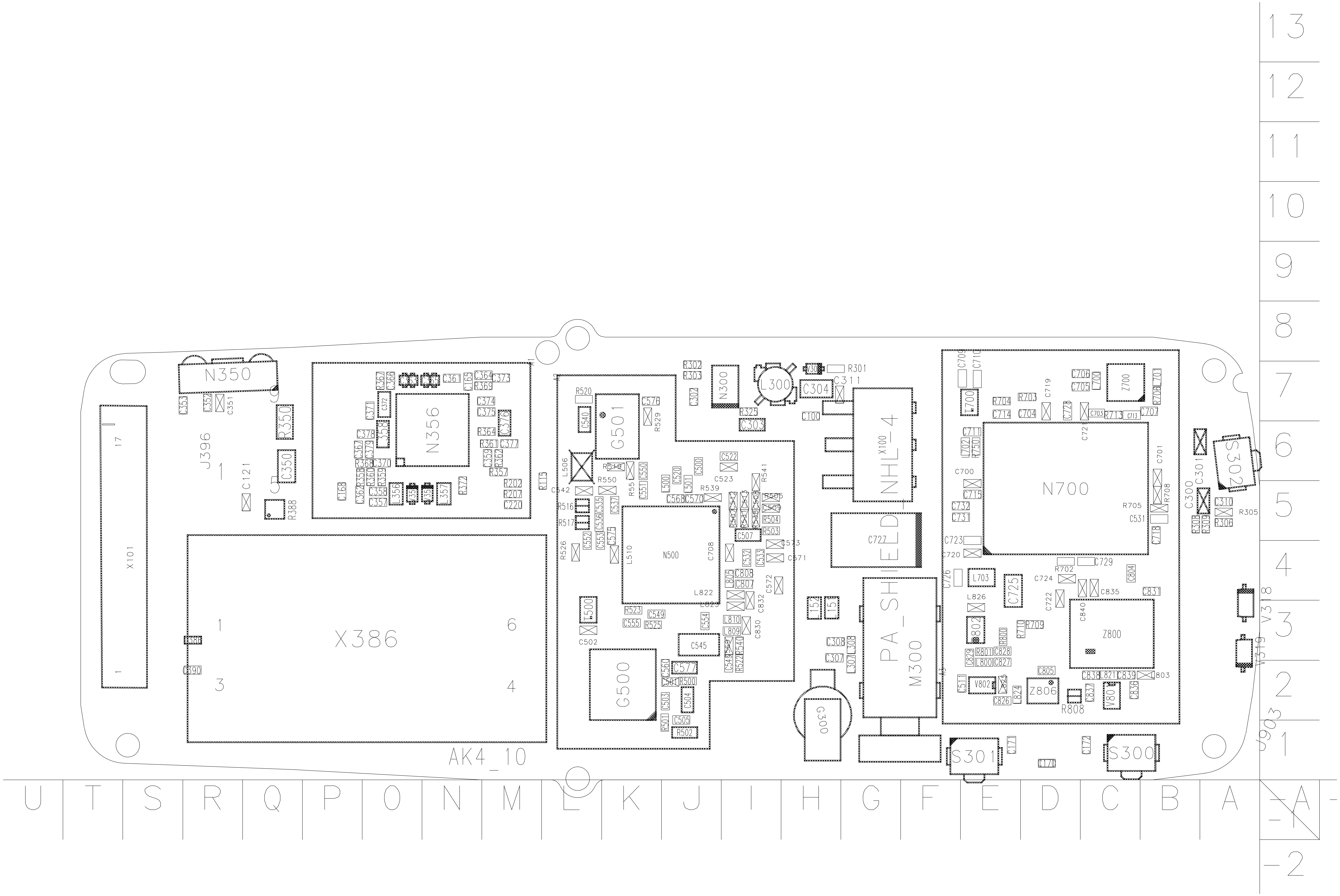
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N500
G501
G500
N300
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C304
NHL_4
PA_SHIELD
M300
G300
N700
Z800
Z806
S302
S301
S300
X101
J396
J903
U
T
S
R
Q
P
O
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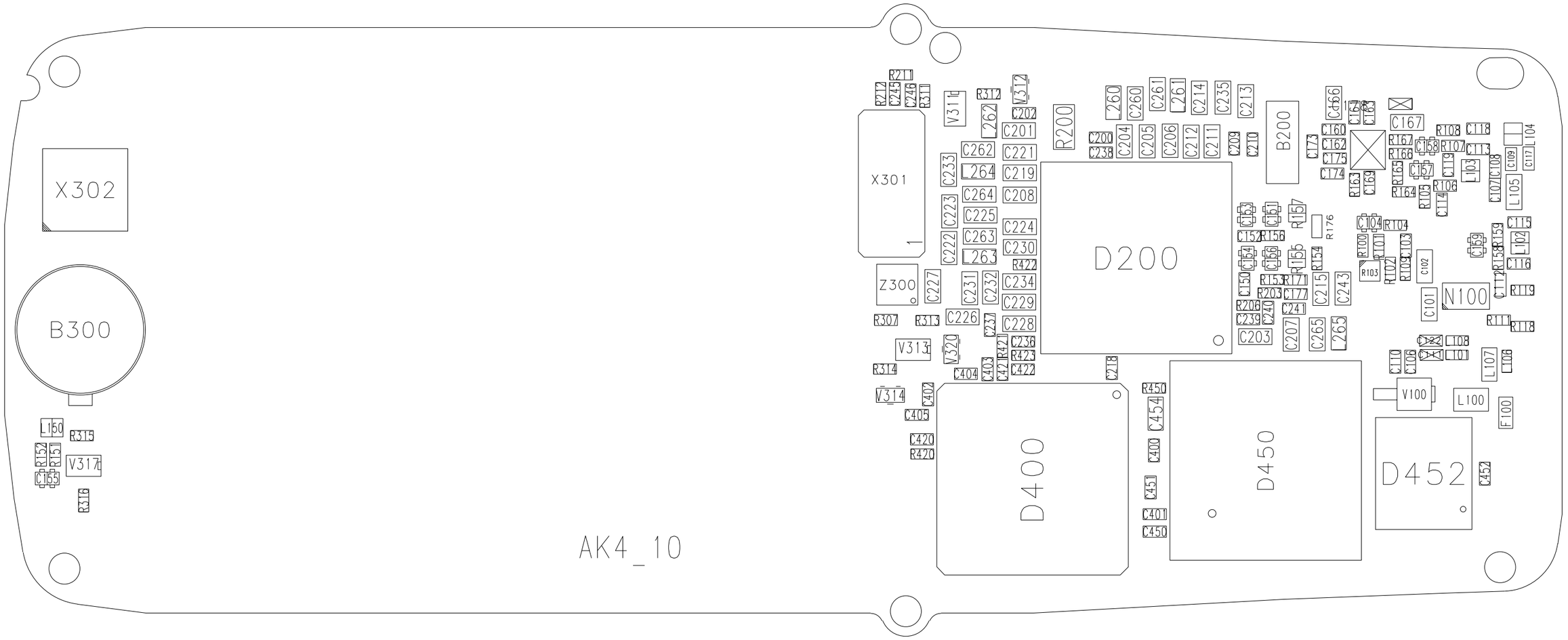

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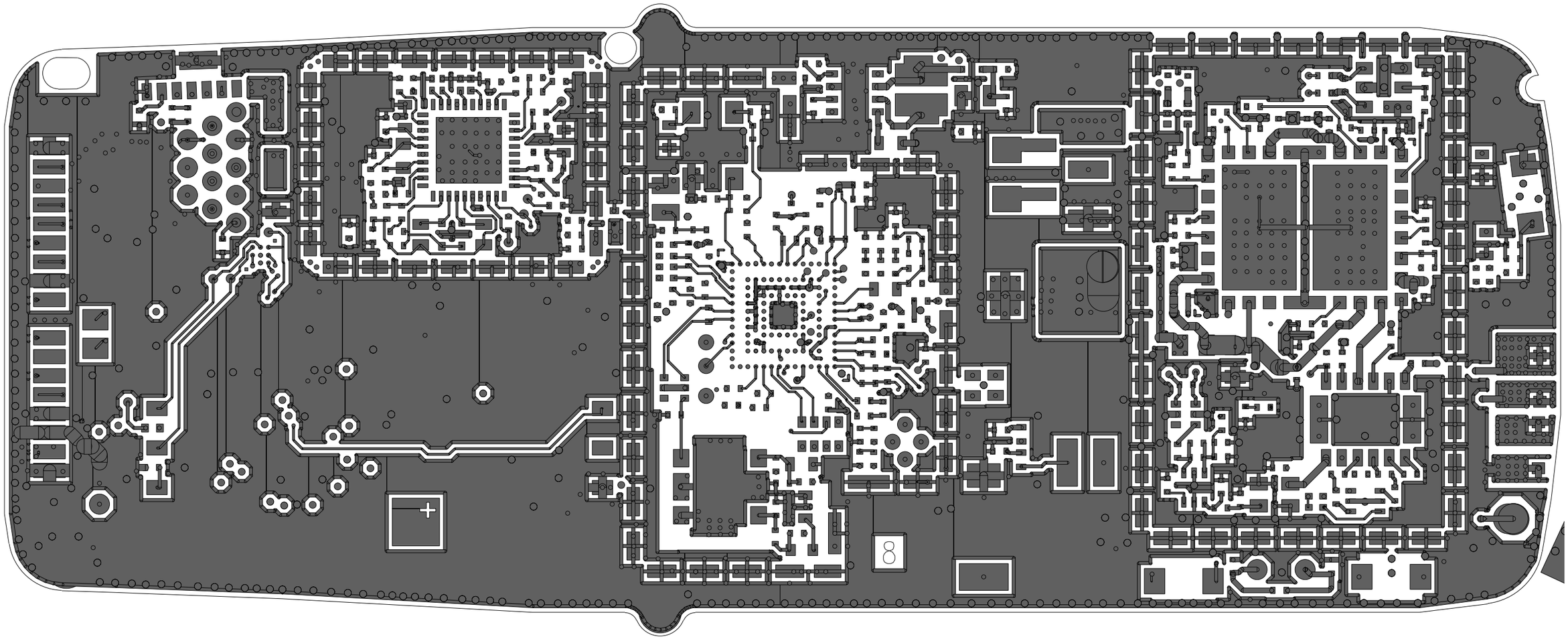

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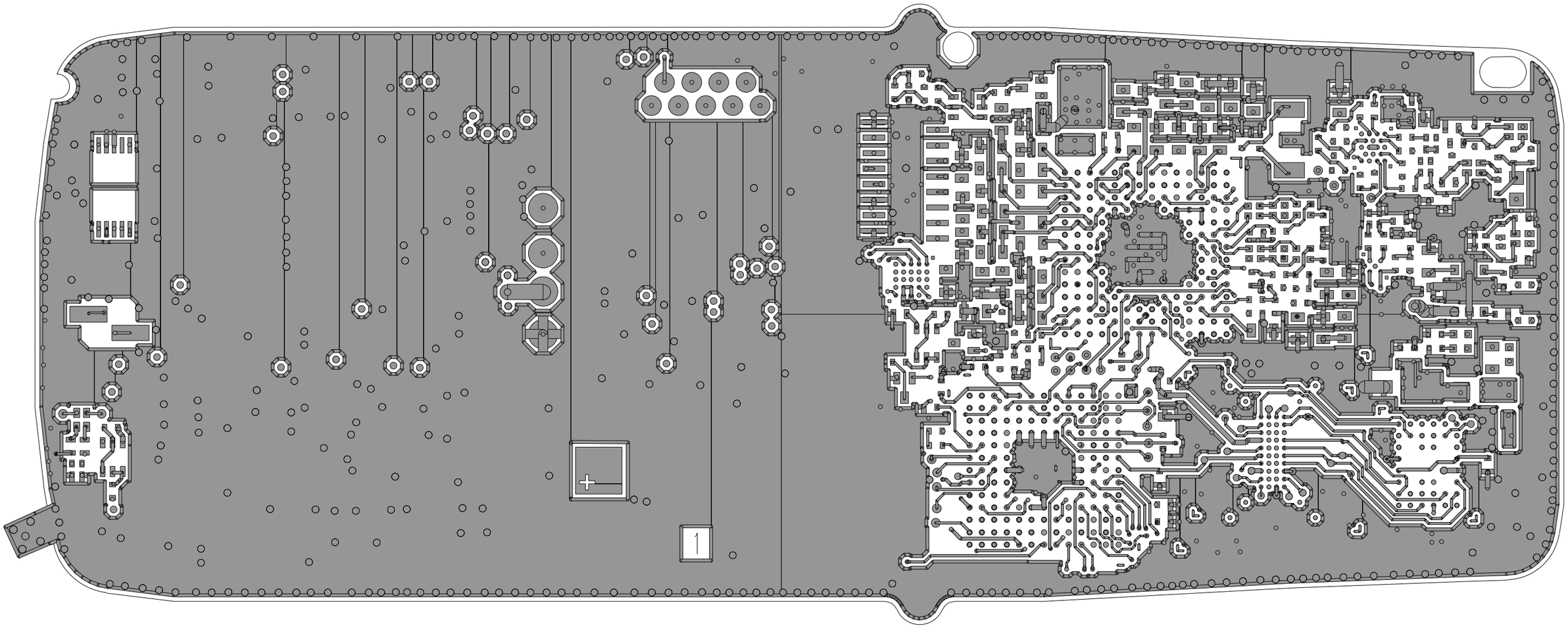

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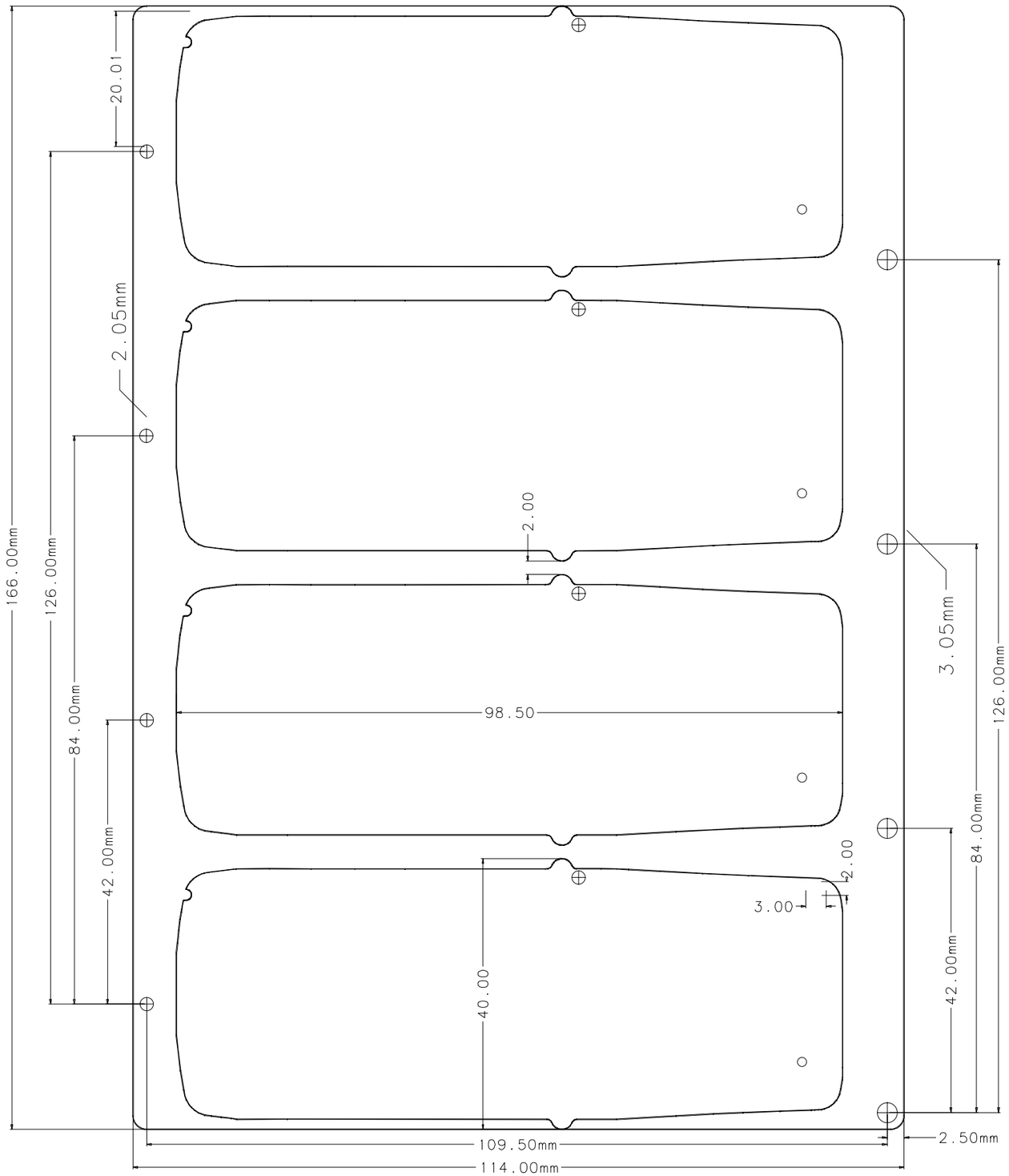

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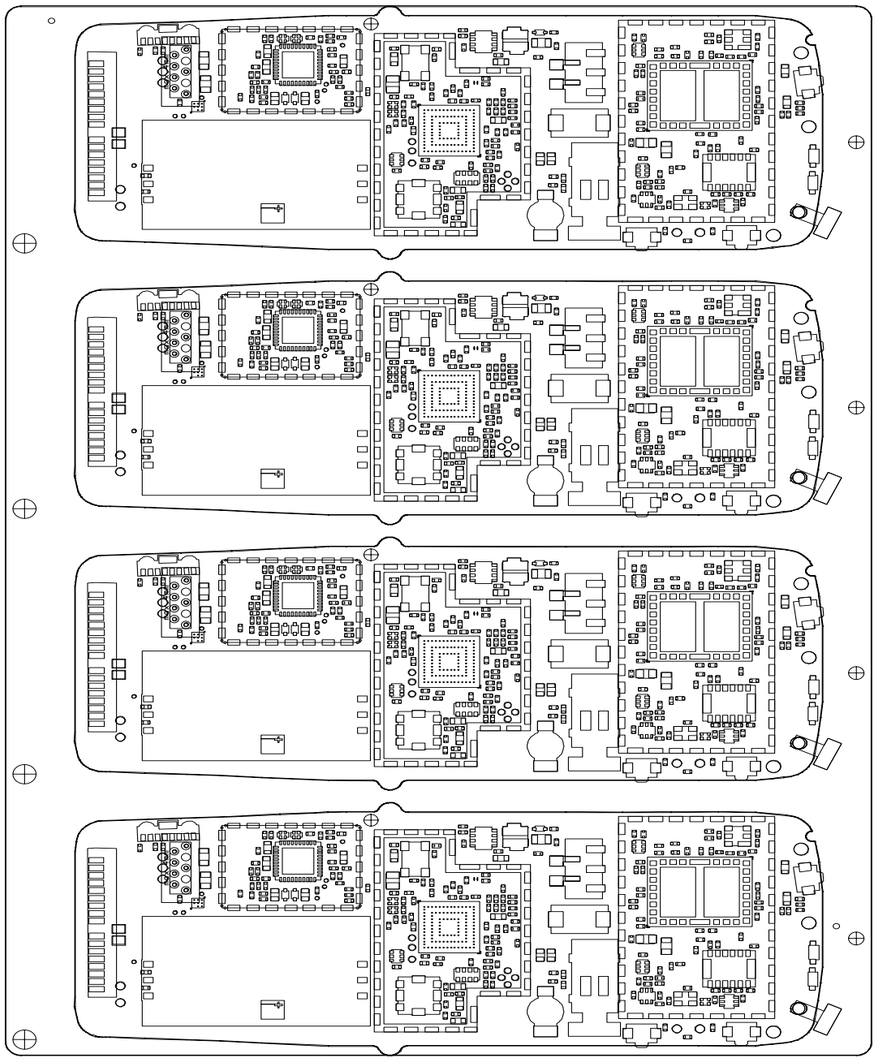

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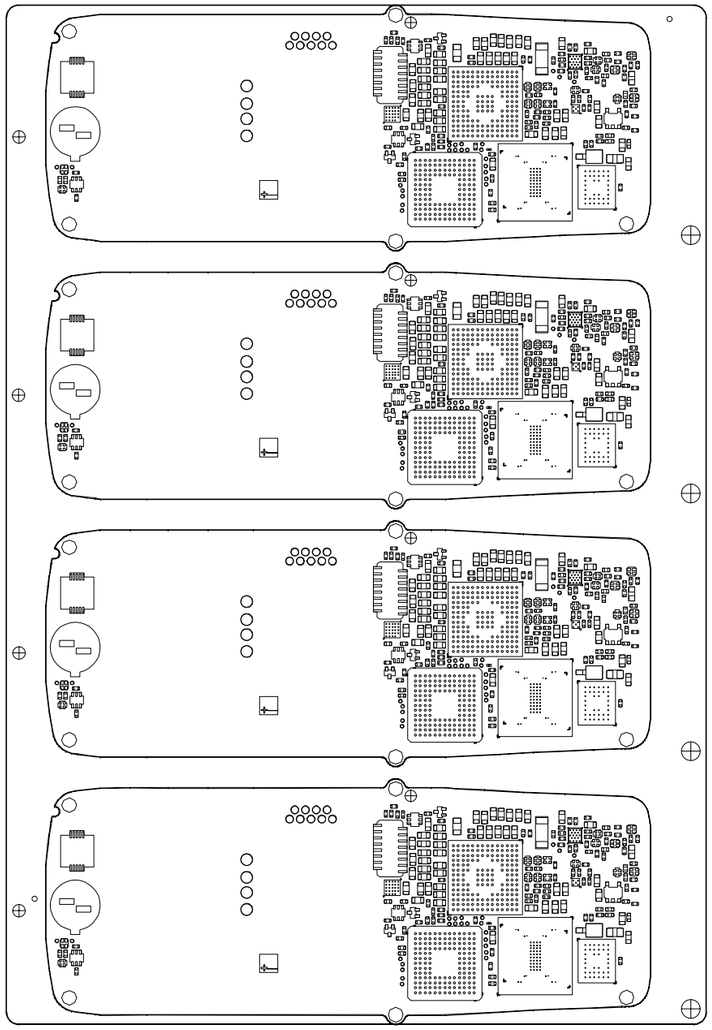

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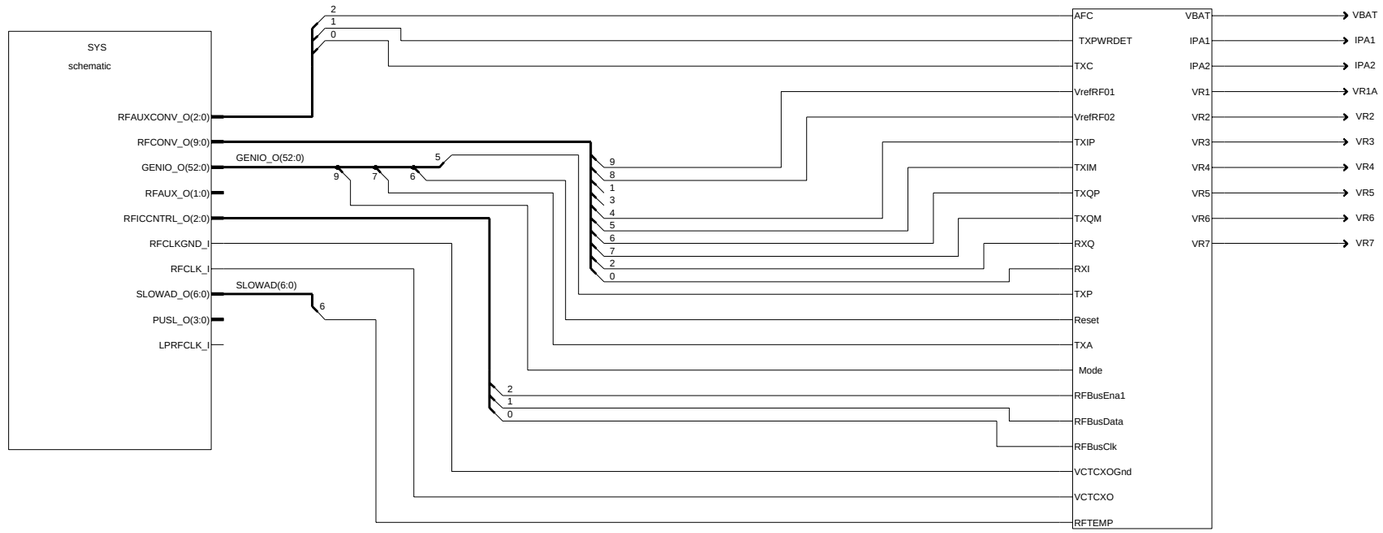

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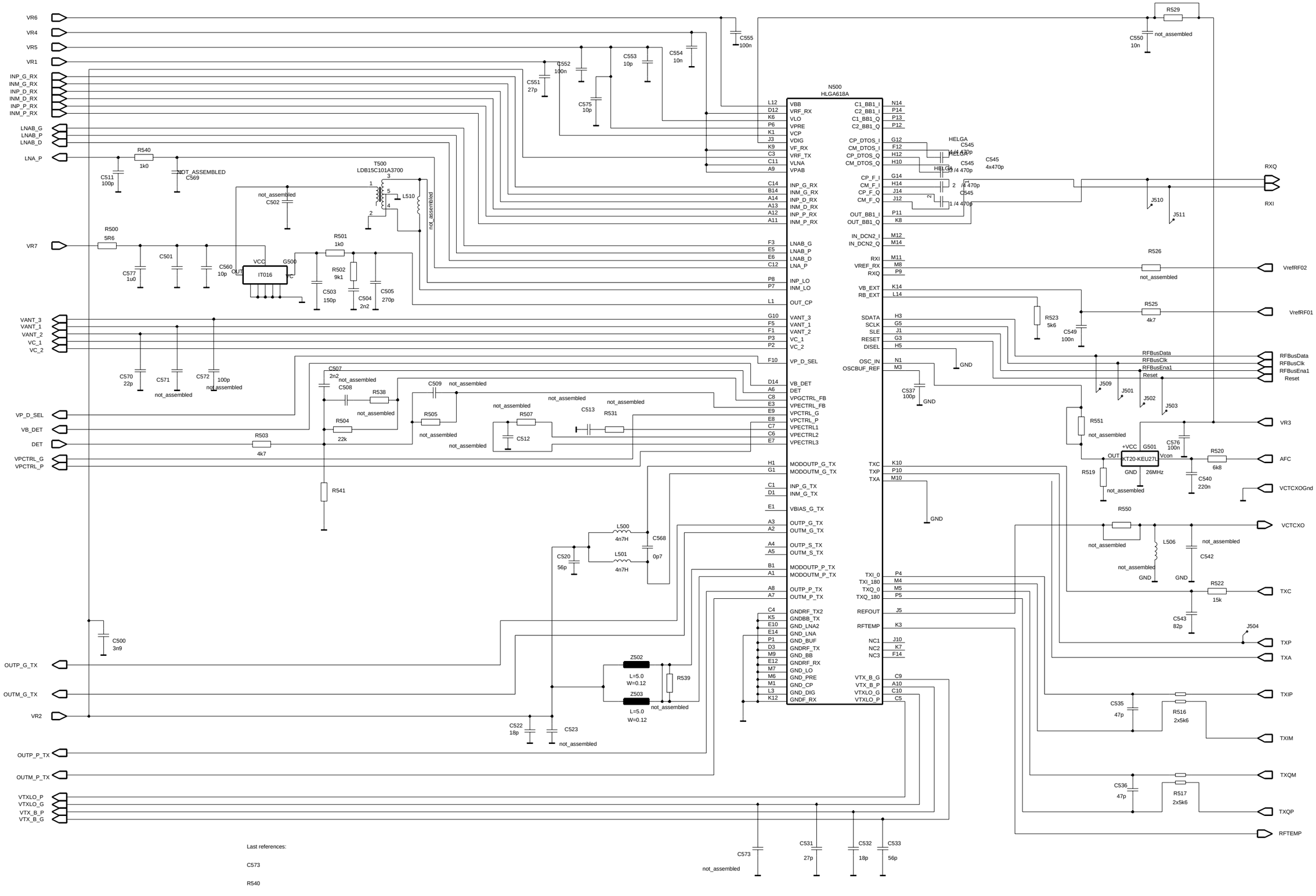
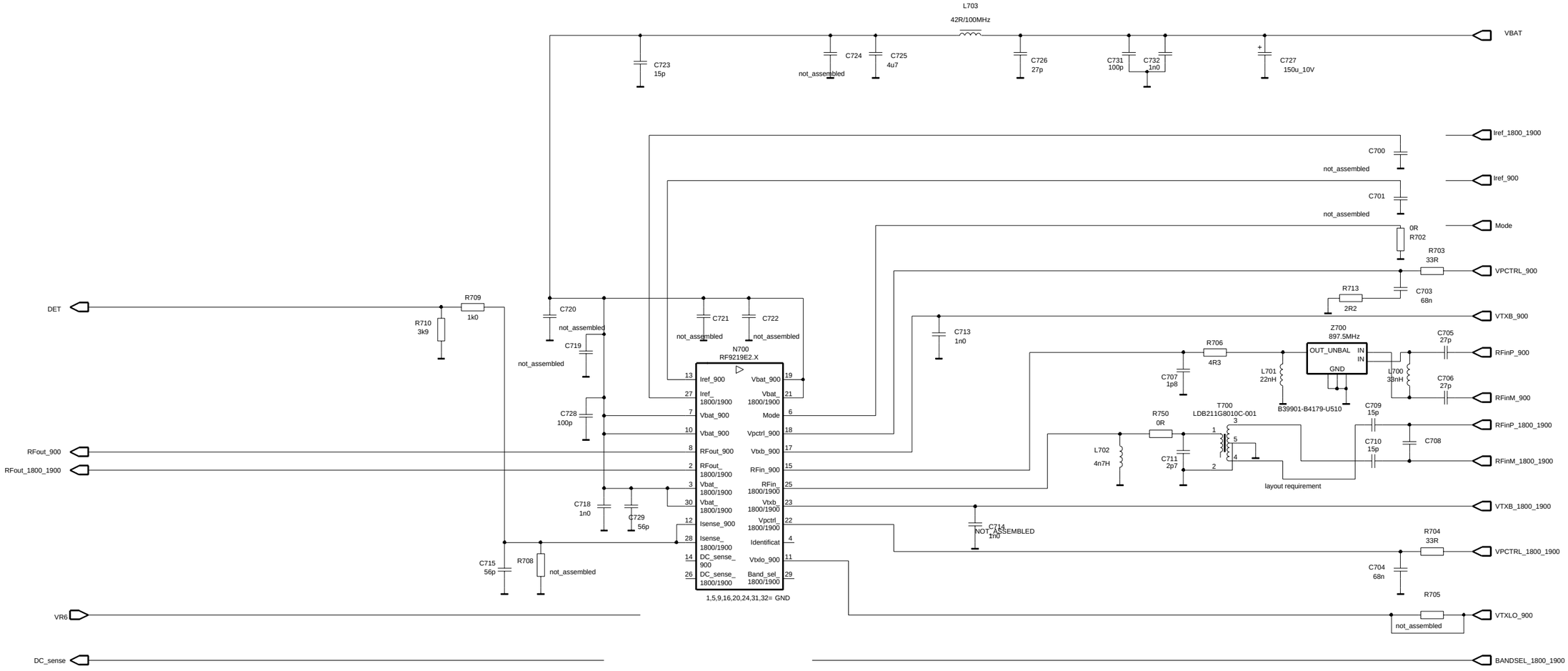

N500
HLGA618A
T500
LDB15C101A3700
IT016
KT20-KEU27L
VR6
VR4
VR5
VR1
INP_G_RX
INM_G_RX
INP_D_RX
INM_D_RX
INP_P_RX
INM_P_RX
LNAB_G
LNAB_P
LNAB_D
LNA_P
VR7
VANT_3
VANT_1
VANT_2
VC_1
VC_2
VP_D_SEL
VB_DET
DET
VPCTRL_G
VPCTRL_P
OUTP_G_TX
OUTM_G_TX
VR2
OUTP_P_TX
OUTM_P_TX
VTXLO_P
VTXLO_G
VTX_B_P
VTX_B_G
RXQ
RXI
VrefRF02
VrefRF01
RFBusData
RFBusClk
RFBusEna1
Reset
VR3
AFC
VCTCXOGnd
VCTCXO
TXC
TXP
TXA
TXIP
TXIM
TXQM
TXQP
RFTEMP
not_assembled
Last references:
C573
R540



Last references:

C729

R712

L704

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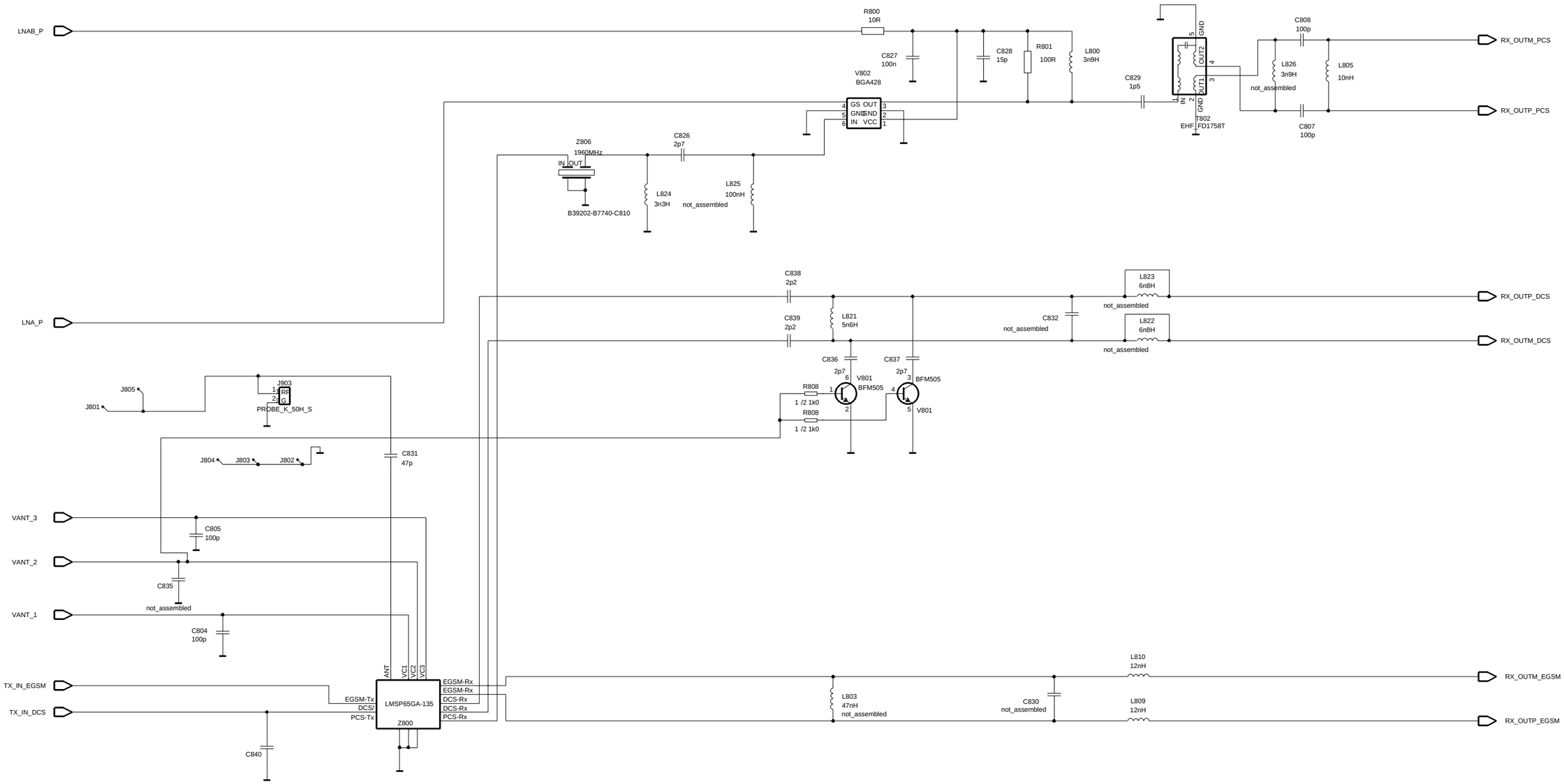

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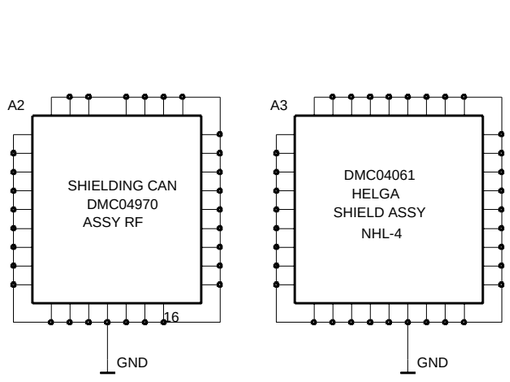
C835

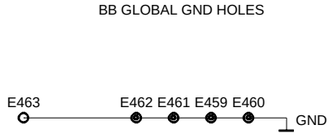
R807

L825

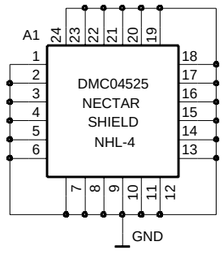
Z806

V800





RF GLOBAL GND HOLES



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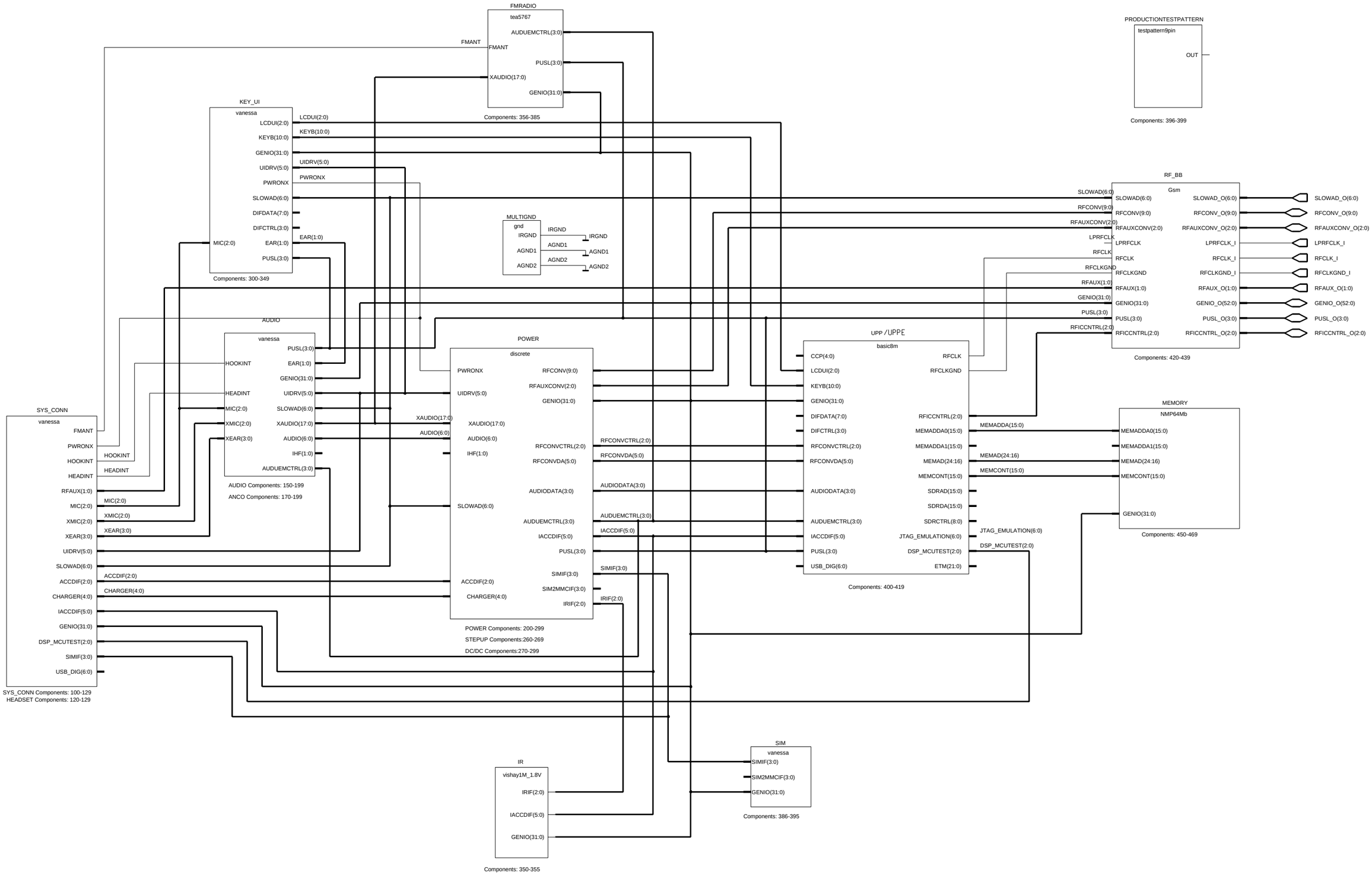
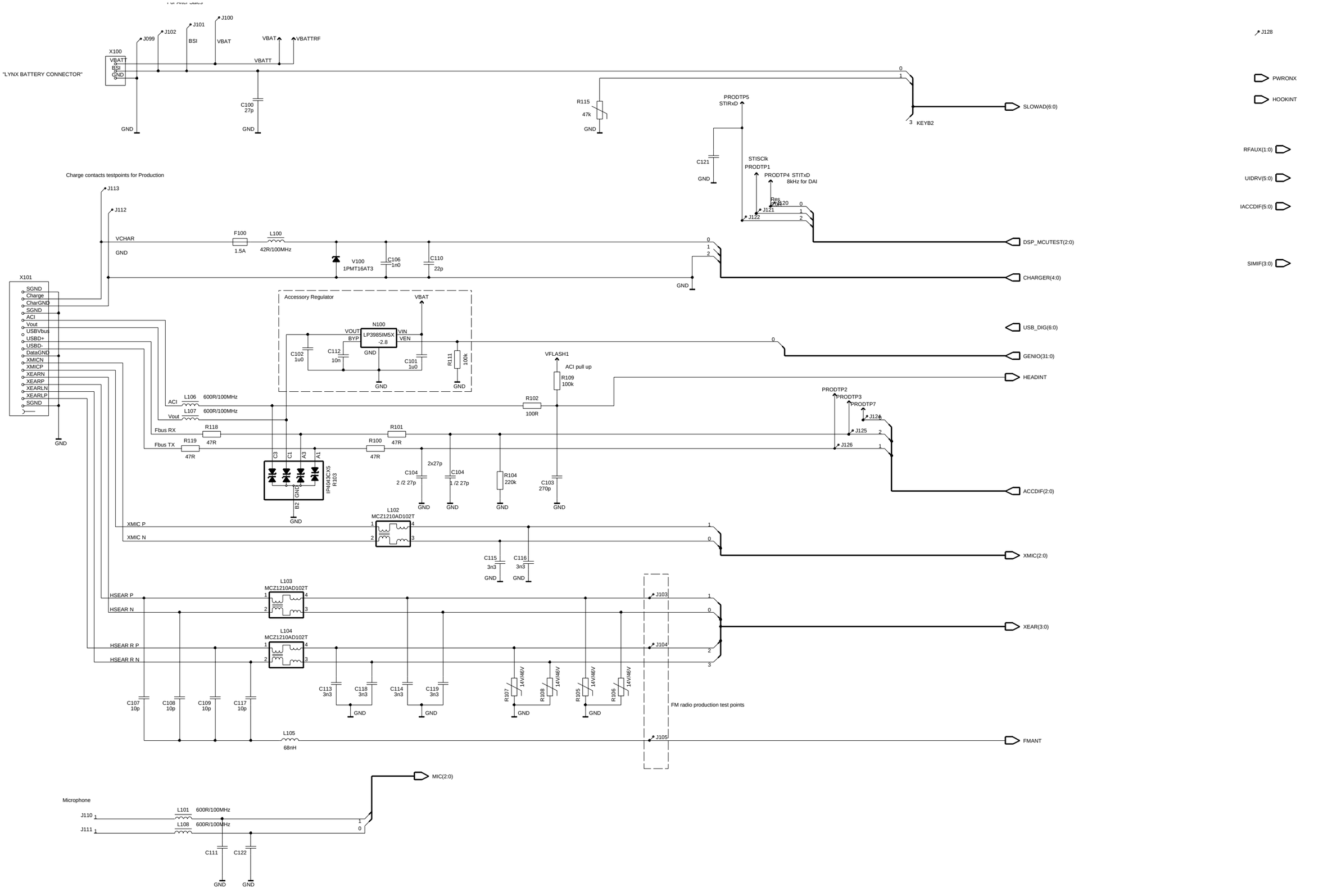

FMRADIO
tea5767
AUDUEMCTRL(3:0)
FMANT
FMANT
PUSL(3:0)
XAUDIO(17:0)
GENIO(31:0)
Components: 356-385
PRODUCTIONTESTPATTERN
testpattern9pin
OUT
Components: 396-399
KEY_UI
vanessa
LCDUI(2:0)
KEYB(10:0)
GENIO(31:0)
UIDRV(5:0)
PWRONX
SLOWAD(6:0)
DIFDATA(7:0)
DIFCTRL(3:0)
MIC(2:0)
EAR(1:0)
PUSL(3:0)
Components: 300-349
MULTIGND
gnd
IRGND
AGND1
AGND2
RF_BB
Gsm
SLOWAD(6:0)
RFCONV(9:0)
RFAUXCONV(2:0)
LPRFCLK
RFCLK
RFCLKGND
RFAUX(1:0)
GENIO(31:0)
PUSL(3:0)
RFICCNTRL(2:0)
Components: 420-439
AUDIO
vanessa
PUSL(3:0)
HOOKINT
EAR(1:0)
GENIO(31:0)
HEADINT
UIDRV(5:0)
MIC(2:0)
SLOWAD(6:0)
XMIC(2:0)
XAUDIO(17:0)
XEAR(3:0)
AUDIO(6:0)
IHF(1:0)
AUDUEMCTRL(3:0)
AUDIO Components: 150-199
ANCO Components: 170-199
POWER
discrete
PWRONX
RFCONV(9:0)
RFAUXCONV(2:0)
UIDRV(5:0)
GENIO(31:0)
XAUDIO(17:0)
AUDIO(6:0)
IHF(1:0)
RFCONVCTRL(2:0)
RFCONVDA(5:0)
AUDIODATA(3:0)
SLOWAD(6:0)
AUDUEMCTRL(3:0)
IACCDIF(5:0)
PUSL(3:0)
SIMIF(3:0)
ACCDIF(2:0)
SIM2MMCIF(3:0)
CHARGER(4:0)
IRIF(2:0)
POWER Components: 200-299
STEPUP Components:260-269
DC/DC Components:270-299
UPP /UPPE
basic8m
CCP(4:0)
RFCLK
LCDUI(2:0)
RFCLKGND
KEYB(10:0)
GENIO(31:0)
DIFDATA(7:0)
RFICCNTRL(2:0)
DIFCTRL(3:0)
MEMADDA0(15:0)
RFCONVCTRL(2:0)
MEMADDA1(15:0)
RFCONVDA(5:0)
MEMAD(24:16)
MEMCONT(15:0)
AUDIODATA(3:0)
SDRAD(15:0)
SDRDA(15:0)
AUDUEMCTRL(3:0)
SDRCTRL(8:0)
IACCDIF(5:0)
JTAG_EMULATION(6:0)
PUSL(3:0)
DSP_MCUTEST(2:0)
USB_DIG(6:0)
ETM(21:0)
Components: 400-419
MEMORY
NMP64Mb
MEMADDA0(15:0)
MEMADDA1(15:0)
MEMAD(24:16)
MEMCONT(15:0)
GENIO(31:0)
Components: 450-469
SYS_CONN
vanessa
FMANT
PWRONX
HOOKINT
HEADINT
RFAUX(1:0)
MIC(2:0)
XMIC(2:0)
XEAR(3:0)
UIDRV(5:0)
SLOWAD(6:0)
ACCDIF(2:0)
CHARGER(4:0)
IACCDIF(5:0)
GENIO(31:0)
DSP_MCUTEST(2:0)
SIMIF(3:0)
USB_DIG(6:0)
SYS_CONN Components: 100-129
HEADSET Components: 120-129
IR
vishay1M_1.8V
IRIF(2:0)
IACCDIF(5:0)
GENIO(31:0)
Components: 350-355
SIM
vanessa
SIMIF(3:0)
SIM2MMCIF(3:0)
GENIO(31:0)
Components: 386-395



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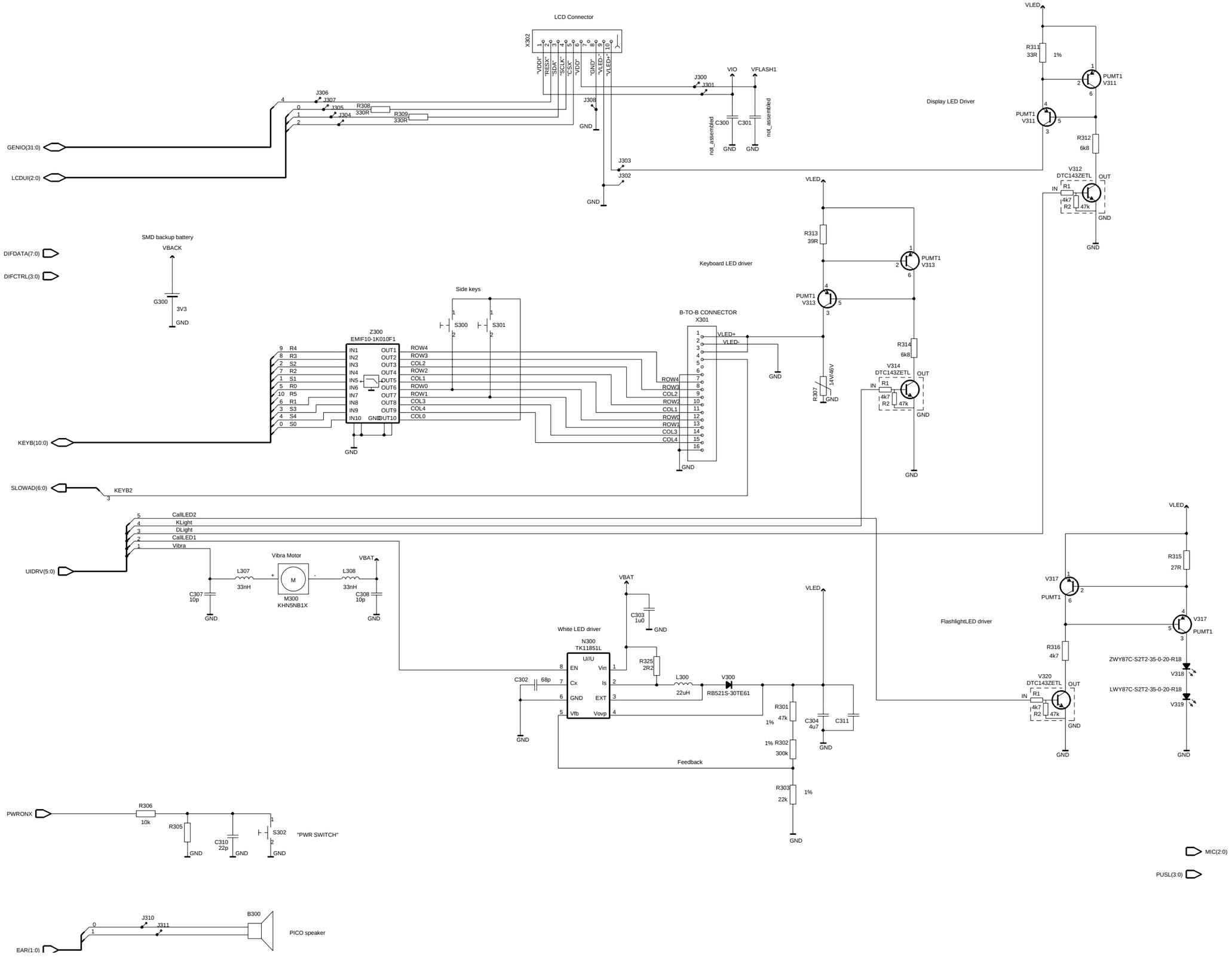

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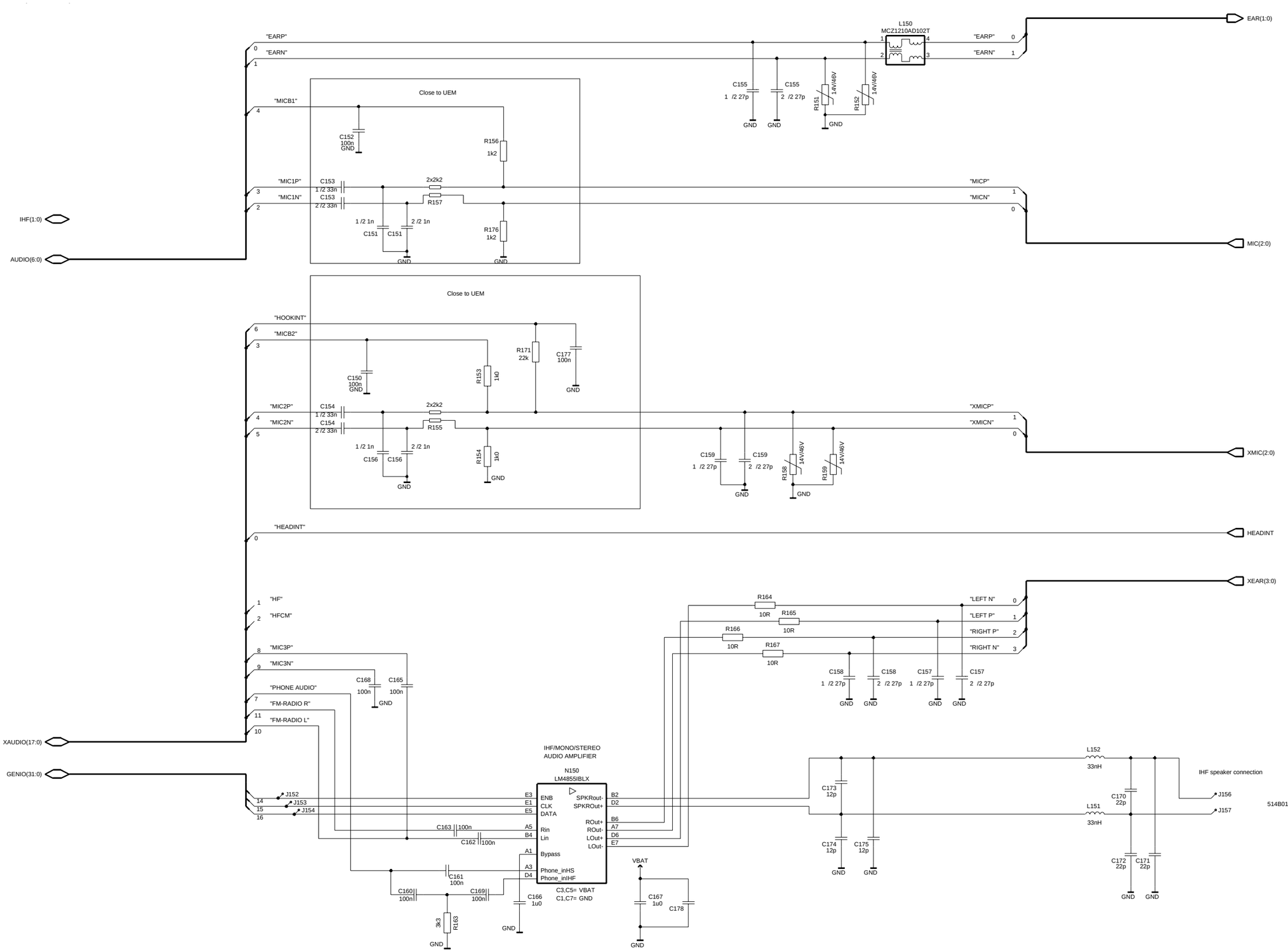

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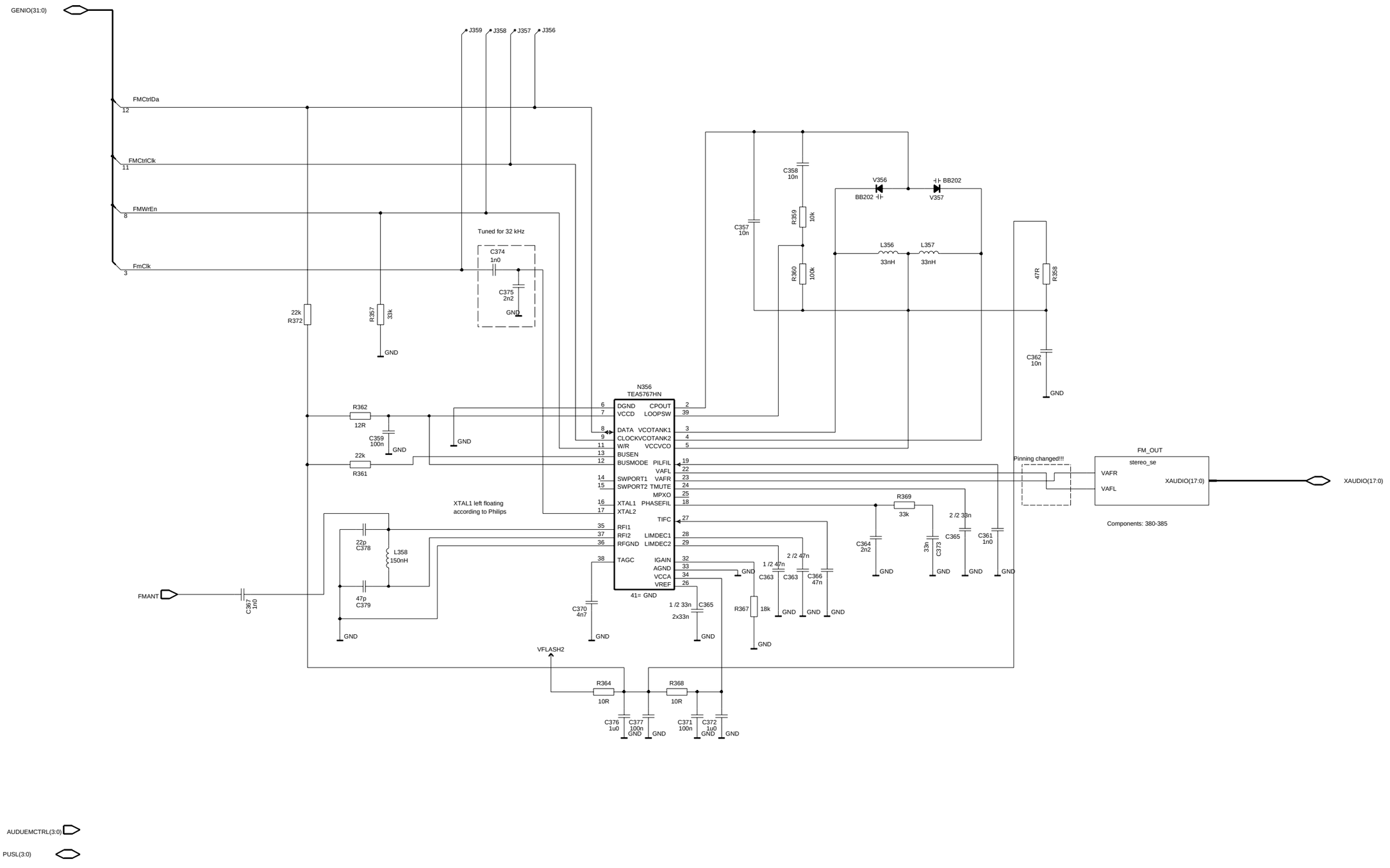

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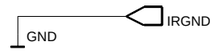

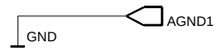

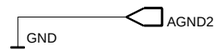

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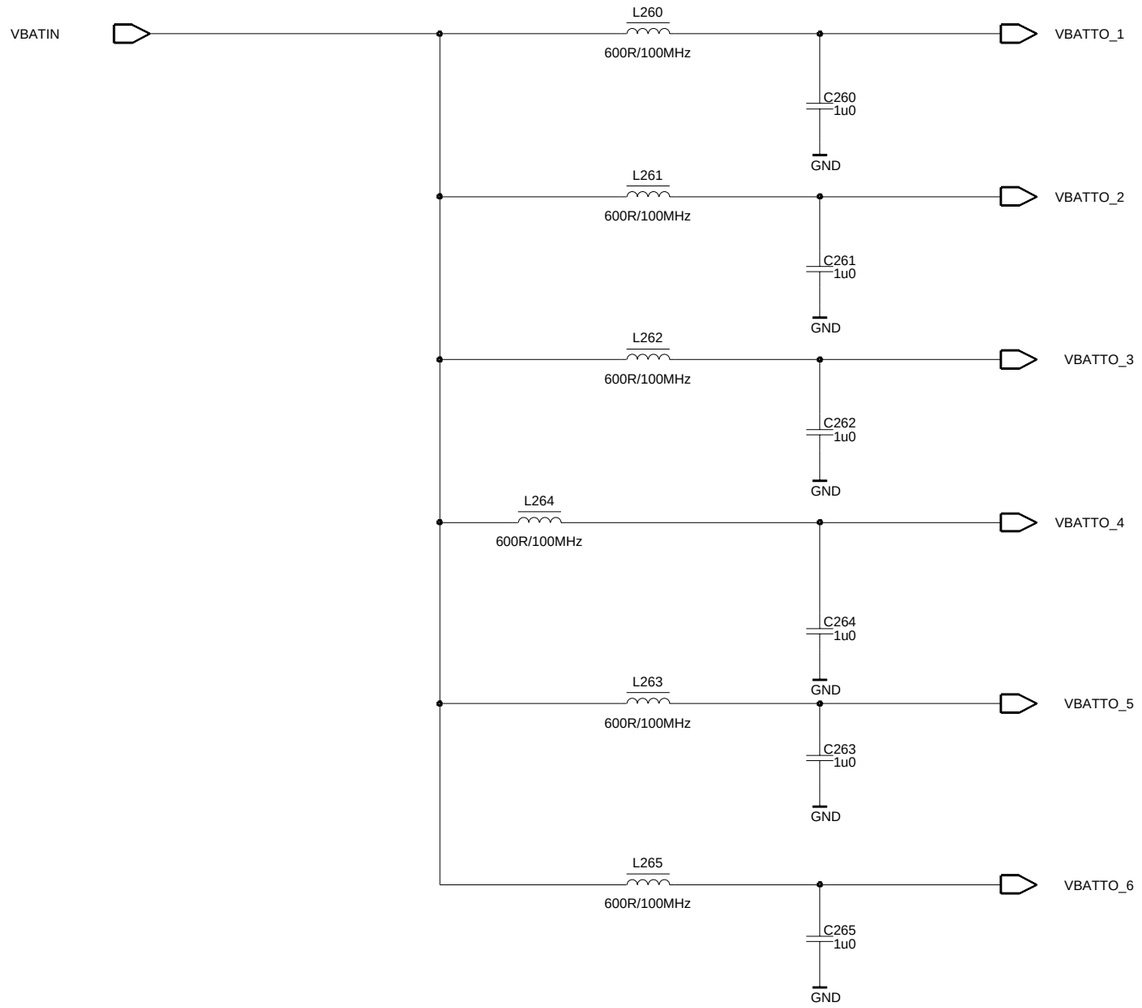

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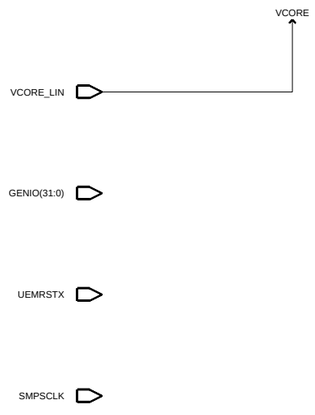

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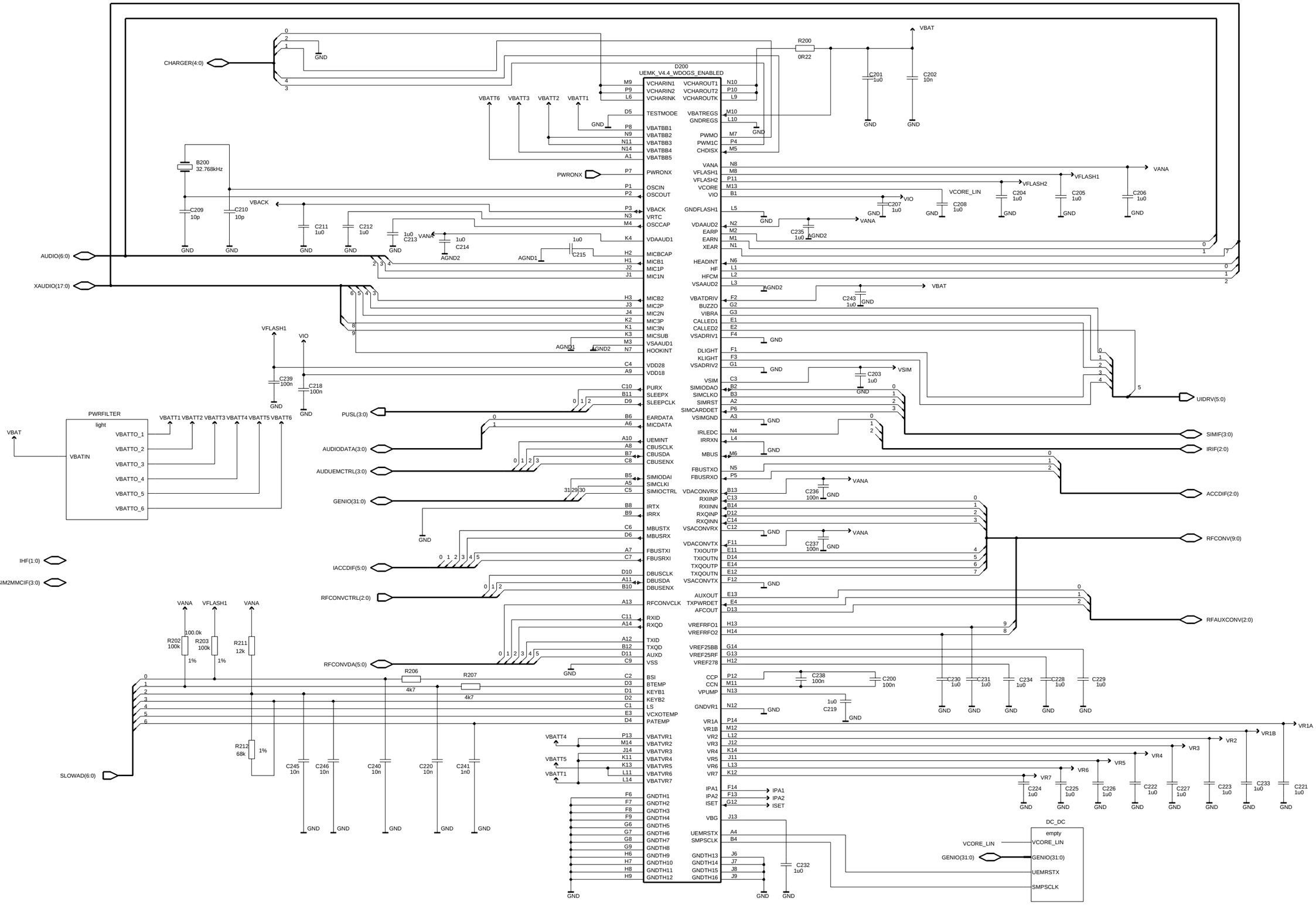

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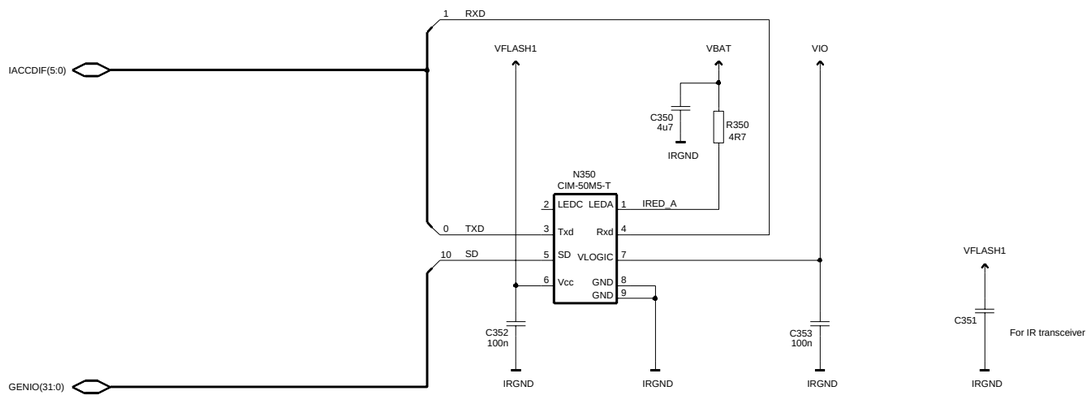

Used referenses

C	350 - 353
N	350
R	350

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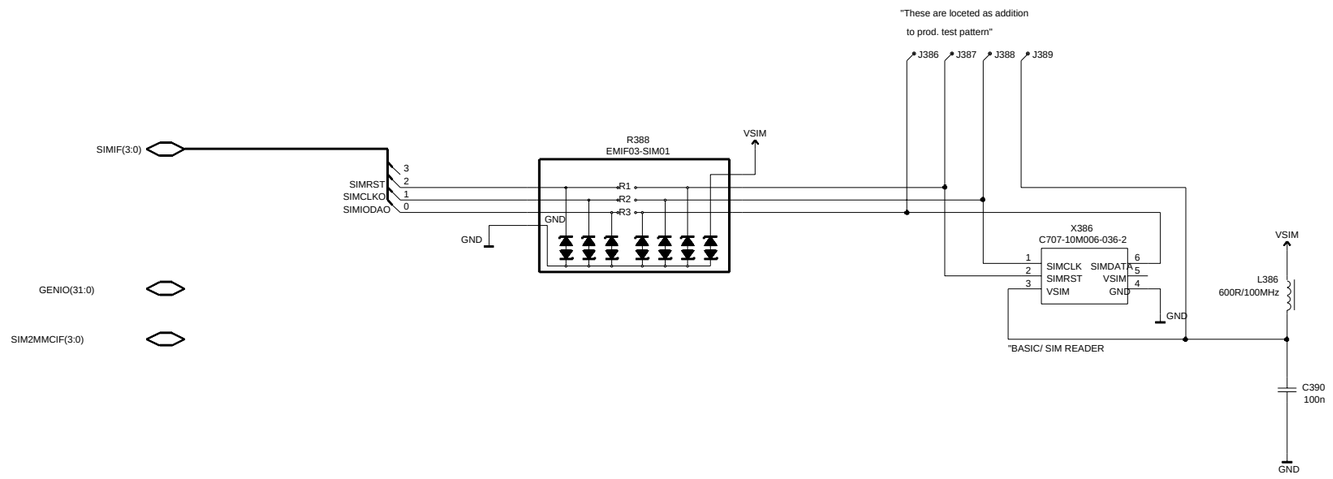

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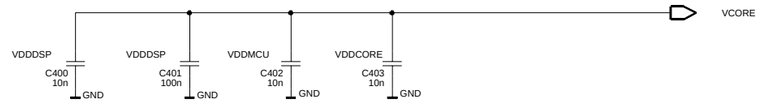

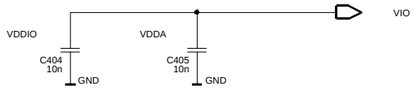

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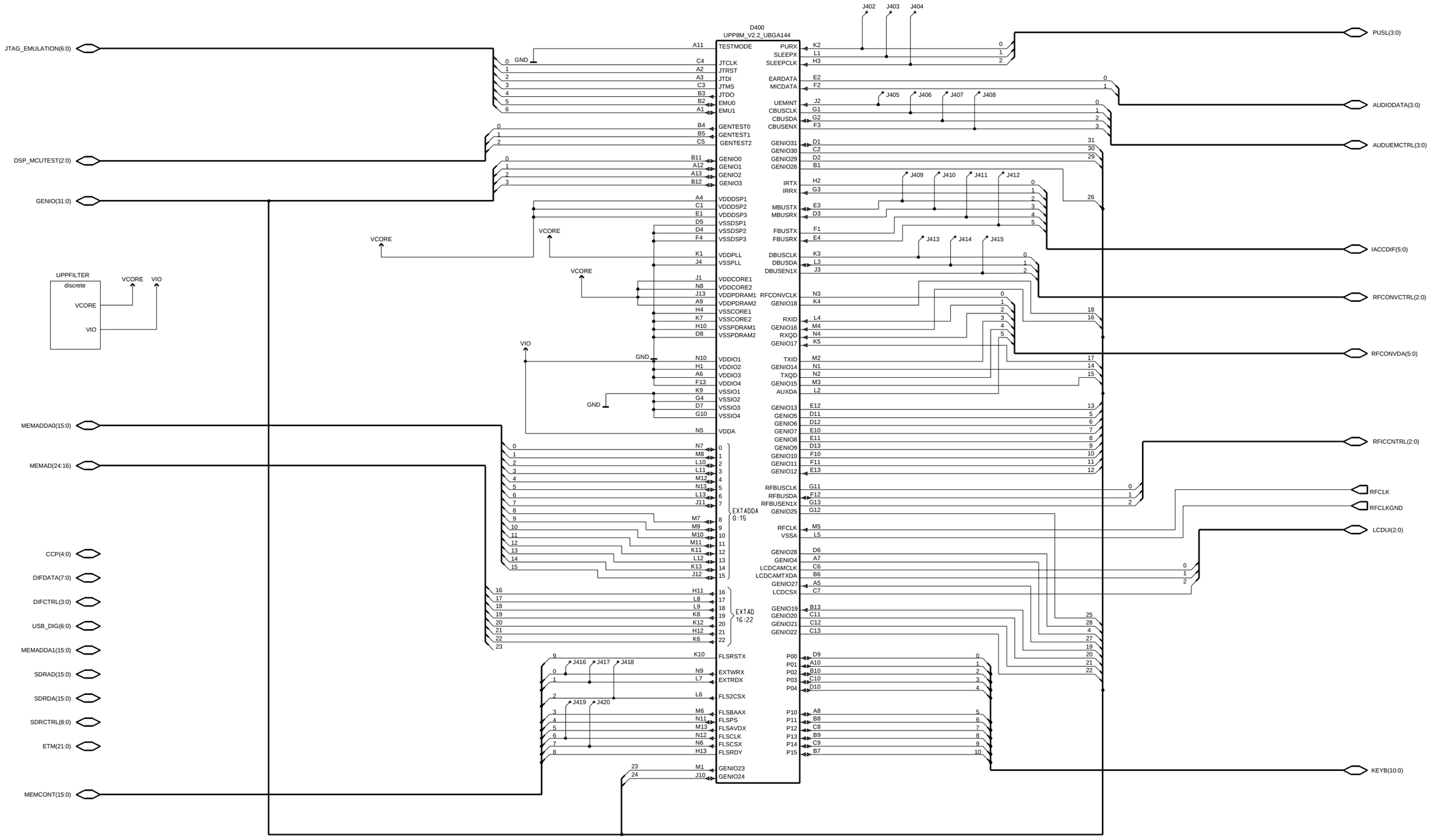

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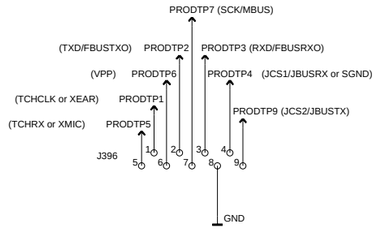

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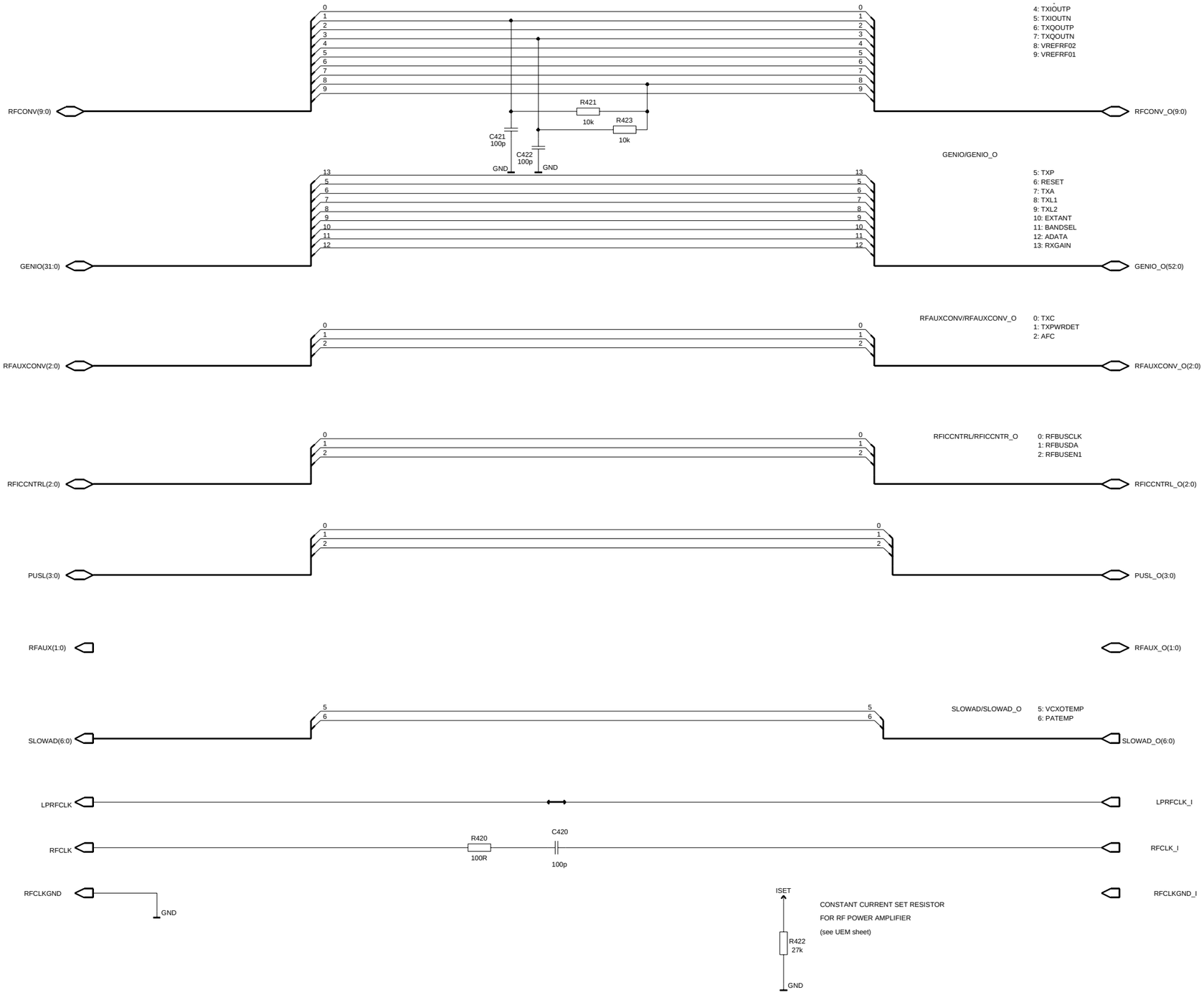

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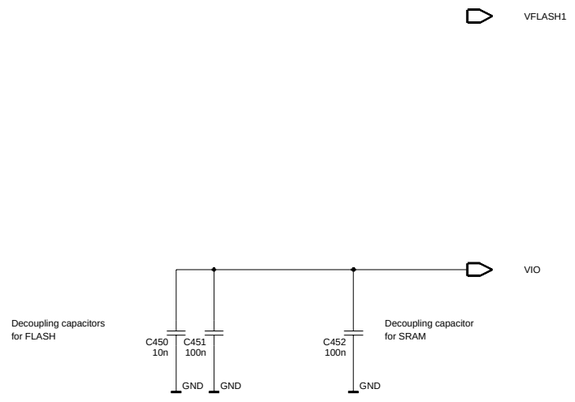

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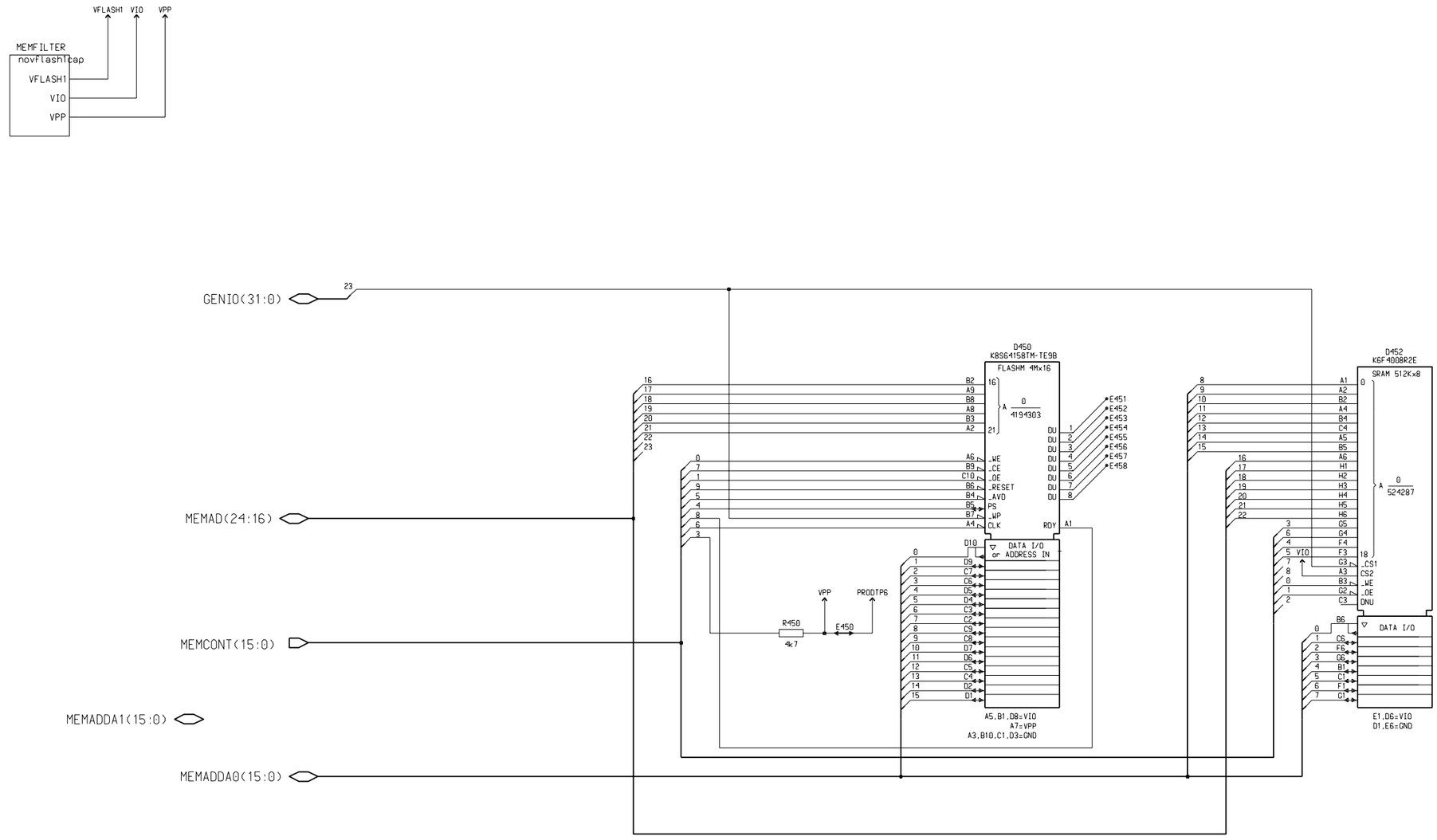

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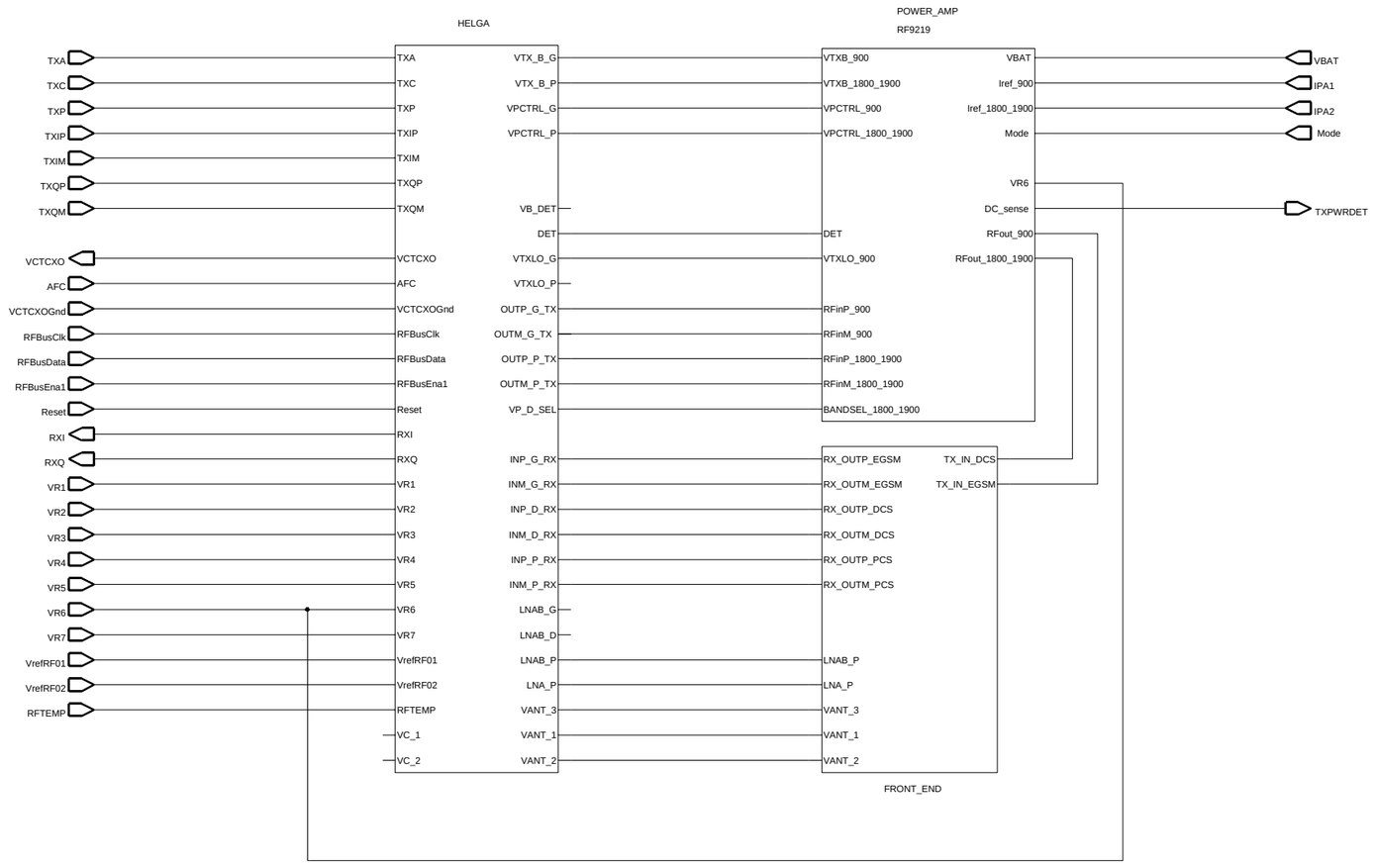
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RF9219
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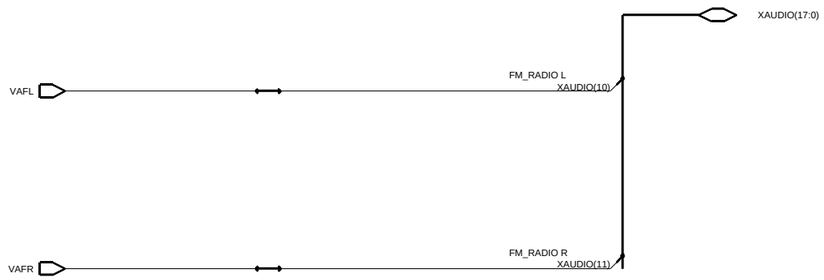
TXC
TXP
TXIP
TXIM
TXQP
TXQM
VCTCXO
AFC
VCTCXOGnd
RFBusClk
RFBusData
RFBusEna1
Reset
RXI
RXQ
VR1
VR2
VR3
VR4
VR5
VR6
VR7
VrefRF01
VrefRF02
RFTEMP
VC_1
VC_2
VTX_B_G
VTX_B_P
VPCTRL_G
VPCTRL_P
VB_DET
DET
VTXLO_G
VTXLO_P
OUTP_G_TX
OUTM_G_TX
OUTP_P_TX
OUTM_P_TX
VP_D_SEL
INP_G_RX
INM_G_RX
INP_D_RX
INM_D_RX
INP_P_RX
INM_P_RX
LNAB_G
LNAB_D
LNAB_P
LNA_P
VANT_3
VANT_1
VANT_2
VTXB_900
VTXB_1800_1900
VPCTRL_900
VPCTRL_1800_1900
DET
VTXLO_900
RFinP_900
RFinM_900
RFinP_1800_1900
RFinM_1800_1900
BANDSEL_1800_1900
RX_OUTP_EGSM
RX_OUTM_EGSM
RX_OUTP_DCS
RX_OUTM_DCS
RX_OUTP_PCS
RX_OUTM_PCS
LNAB_P
LNA_P
VANT_3
VANT_1
VANT_2
VBAT
Iref_900
Iref_1800_1900
Mode
VR6
DC_sense
RFout_900
RFout_1800_1900
TX_IN_DCS
TX_IN_EGSM
VBAT
IPA1
IPA2
Mode
TXPWRDET
FRONT_END



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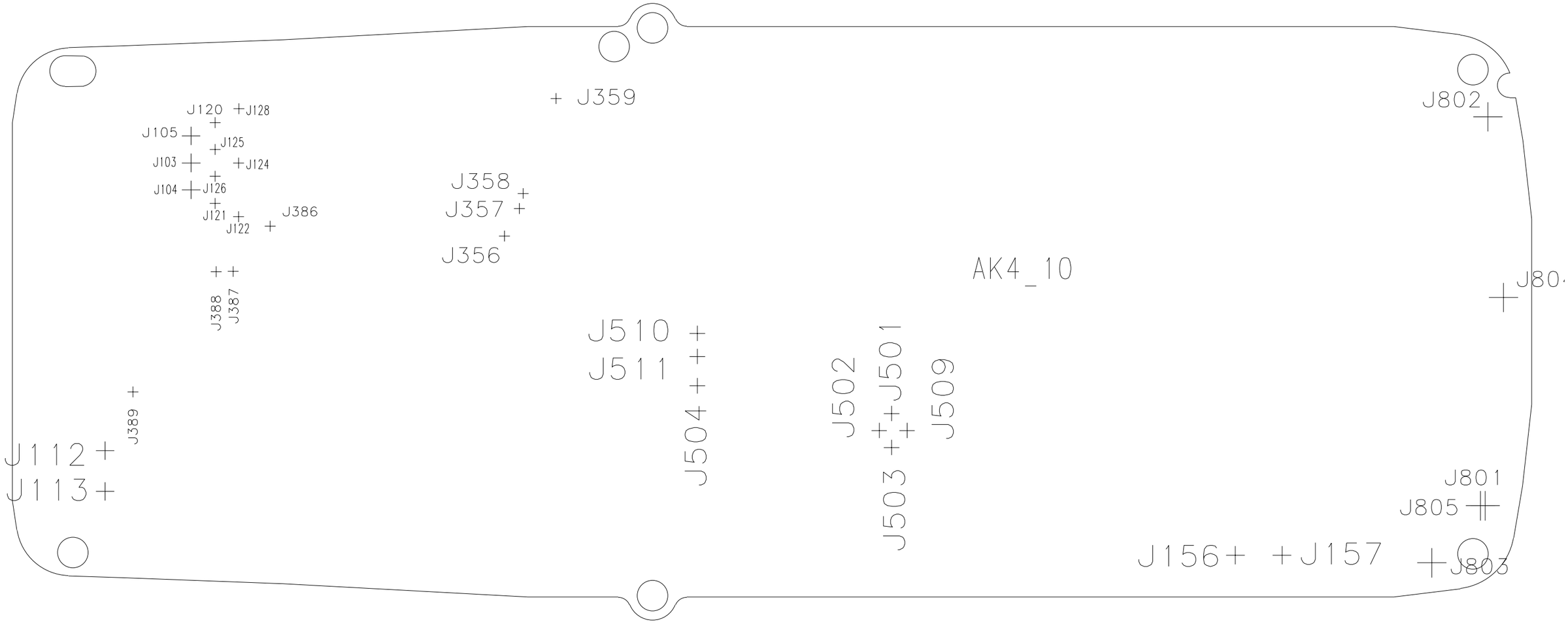

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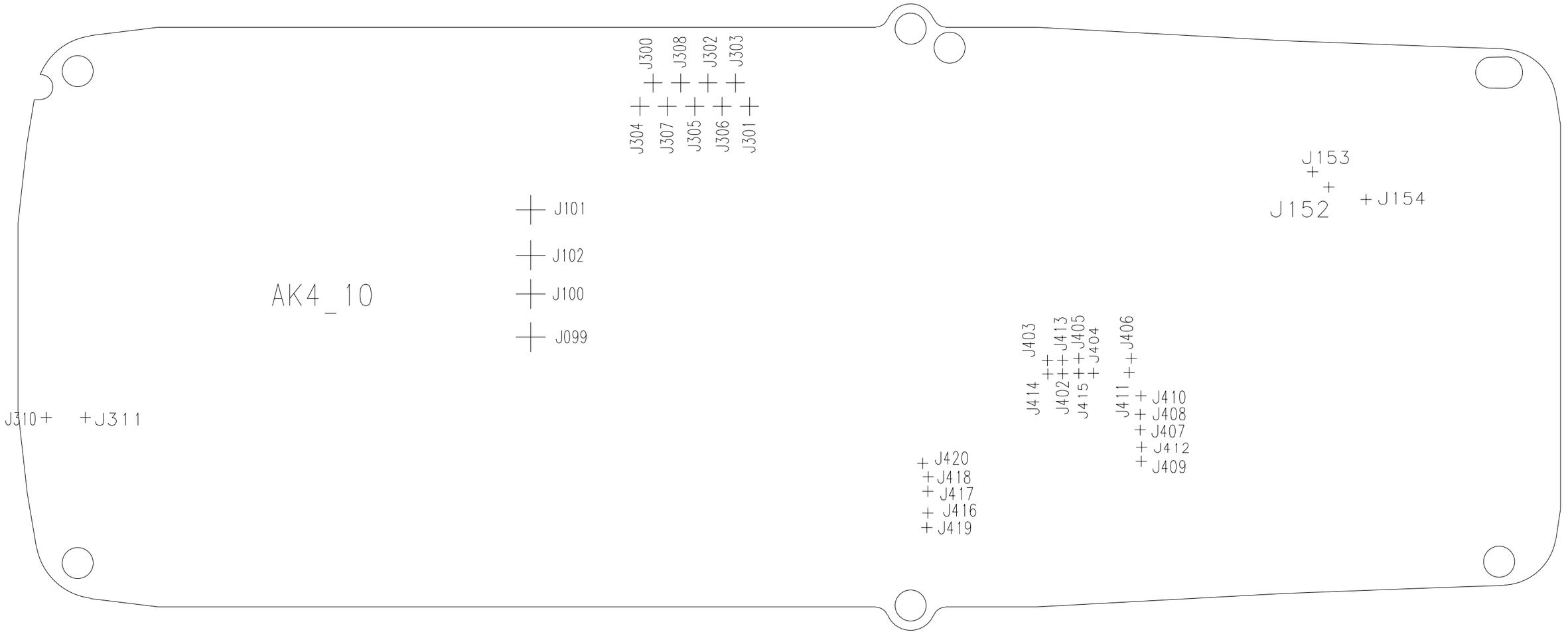

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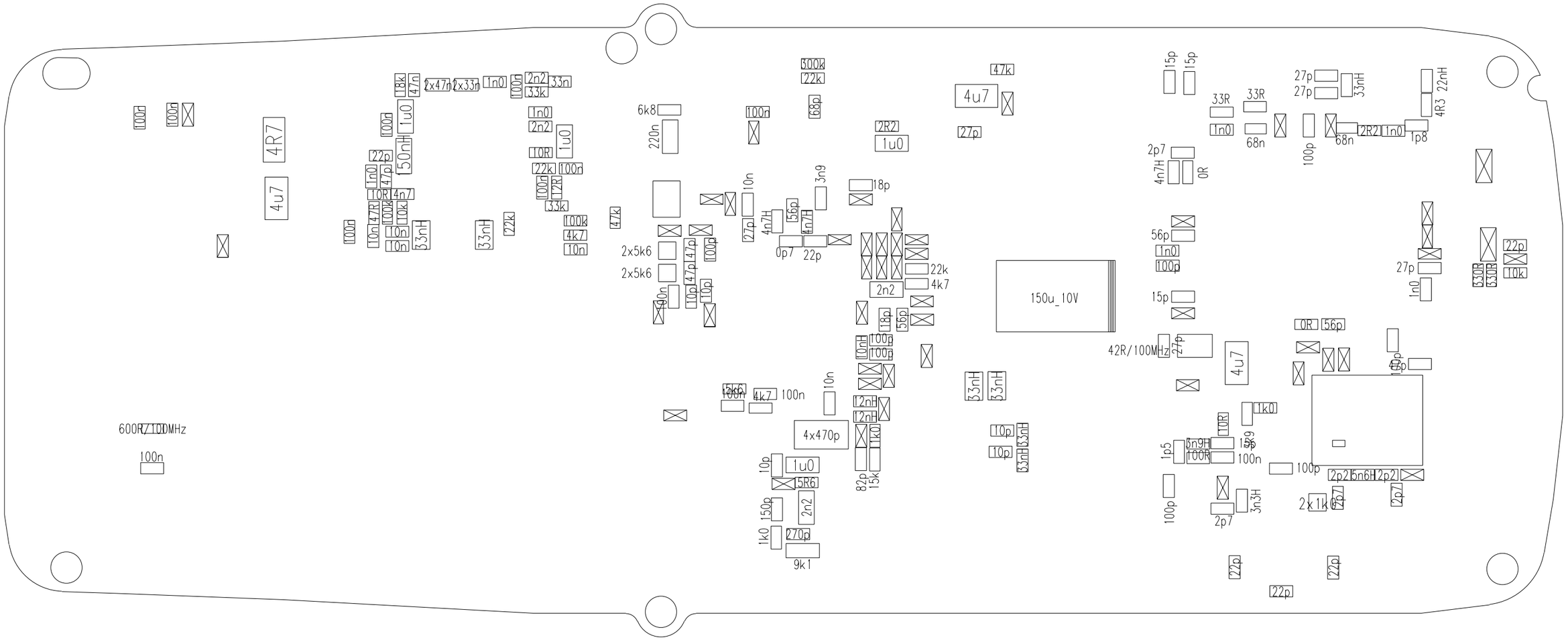

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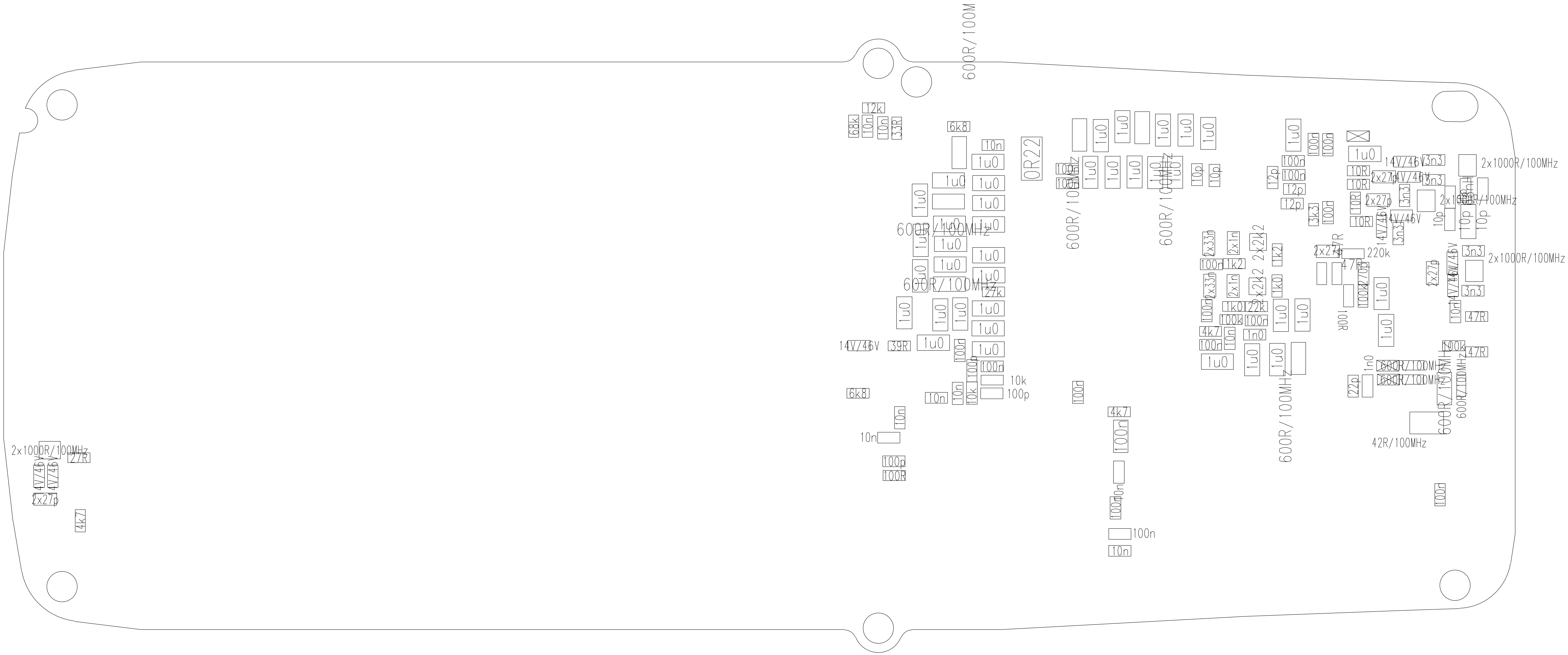
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600R/100MHz
2x1000R/100MHz
42R/100MHz
14V/46V
1u0
100n
10n
6k8
12k
68k
33R
39R
27k
10k
100p
100R
4k7
27R
2x27p
2x33n
2x1n
3n3
10R
12p
10p
47R
220k
100k
1k2
1k0
22k
1n0
22p
3k3

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