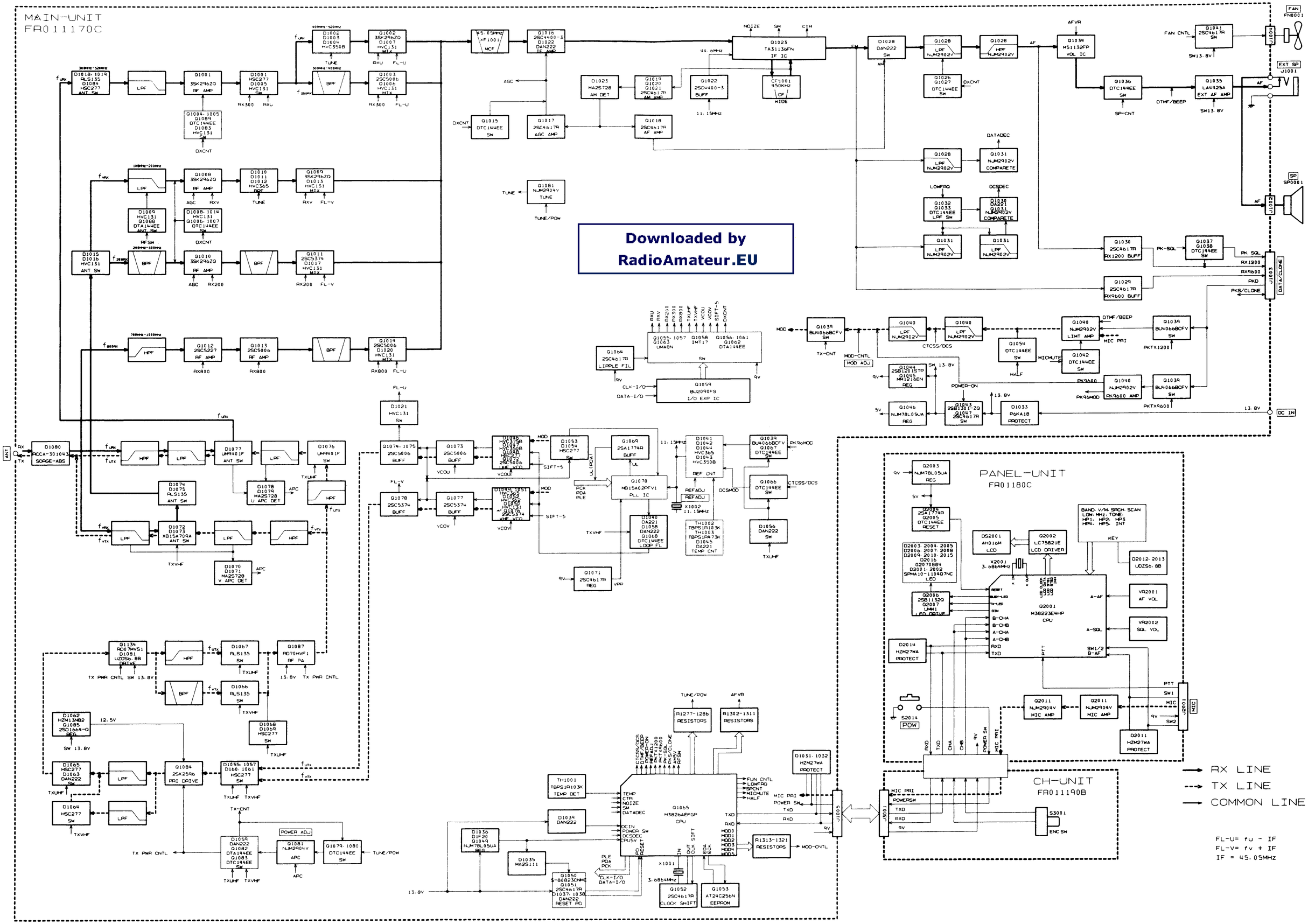
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PANEL-UNIT
FR01180C
CH-UNIT
FR011190B
RX LINE
TX LINE
COMMON LINE
FL-U= fu - IF
FL-V= fv + IF
IF = 45.05MHz
Q1023 TA31136FN IF IC
Q1034 M51132FP VOL IC
Q1036 DTC144EE SW
Q1035 LA4425A EXT AF AMP
Q1041 2SC4617R SW
FAN FN0001
EXT SP J1001
SP SP0001
J1004
J1002
J1003 DATA/CLONE
Q1030 2SC4617R RX1200 BUFF
Q1029 2SC4617R RX9600 BUFF
Q1037 Q1038 DTC144EE SW
Q1039 BU4066BCFV SW
Q1040 NJM2902V LIMT AMP
Q1040 NJM2902V PK9600 AMP
Q1042 DTC144EE SW
Q1043 2SB1301T-ZQ Q1047 2SC4617R SW
Q1046 NJM78L05UA REG
D1033 P6KA18 PROTECT
DC IN
Q1059 BU2090FS I/O EXP IC
Q1064 2SC4617R RIPPLE FIL
Q1055-1057 Q1061 UMA8N
Q1058 IMT17
Q1056-1061 Q1062 DTA144EE
Q1054 DTC144EE SW
Q1044 2SB1201STD Q1045 MM1218EN REG
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Q1032 Q1033 DTC144EE LPF SW
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Q1028 LPF NJM2902V
Q1028 HPF NJM2902V
Q1028 DAN222 SW
Q1026 Q1027 DTC144EE SW
Q1022 2SC4400-3 BUFF
CF1001 450KHZ CF WIDE
Q1018 2SC4617R AF AMP
Q1017 2SC4617R AGC AMP
Q1015 DTC144EE SW
Q1023 MA2S728 AM DET
Q1019 Q1020 Q1021 2SC4617R AM AMP
Q1016 2SC4400-3 Q1022 DAN222 IF AMP
MF1001 45.05MHZ MCF
Q1002 D1002 D1003 D1004 HVC350B
Q1002 3SK296ZQ D1007 HVC131 MIX
Q1003 2SC5006 D1006 HVC131 MIX
Q1001 3SK296ZQ RF AMP
D1001 HSC277 D1005 HVC131 SW
D1018-1019 RLS135 D1084 HSC277 ANT SW
Q1004-1005 Q1089 DTC144EE D1083 HVC131 SW
Q1008 3SK296ZQ RF AMP
D1010 D1011 D1012 HVC365 BPF
Q1009 3SK296ZQ D1013 HVC131 MIX
D1009 HVC131 Q1088 DTA144EE ANT SW
D1008-1014 HVC131 Q1086-1007 DTC144EE SW
D1015 D1016 HVC131 ANT SW
Q1010 3SK296ZQ RF AMP
Q1011 2SC5374 D1017 HVC131 MIX
Q1012 2SC5227 RF AMP
Q1013 2SC5006 RF AMP
Q1014 2SC5006 D1020 HVC131 MIX
Q1081 NJM2904V TUNE
TUNE/POW
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D1080 RCCA-301043 SORGE-ABS
D1077 UMA401F ANT SW
D1076 UMA401F SW
D1074 D1075 RLS135 ANT SW
D1078 D1079 MA2S728 U APC DET
D1072 D1073 XB15A709A ANT SW
D1070 D1071 MA2S728 V APC DET
Q1073 2SC5006 BUFF
Q1078 2SC5374 BUFF
Q1077 2SC5374 BUFF
Q1074-1075 2SC5006 BUFF
D1021 HVC131 SW
Q1069 2SA1774R BUFF
D1053 D1054 HSC277 SW
Q1070 MB15A02PFV1 PLL IC
D1040 DA221 D1058 DAN222 Q1068 DTC144EE LOOP FL
Q1071 2SC4617R REG
D1041 D1042 D1044 HVC365 D1043 HVC350B REF CNT
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Q1066 DTC144EE SW
D1056 DAN222 SW
X1002 11.15MHZ
TH1002 TBPS1R103K TH1003 TBPS1R473K D1045 DA221 TEMP CNT
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D1067 RLS135 SW
Q1087 RD70HVF1 RF PA
D1066 RLS135 SW
D1068 D1069 HSC277 SW
D1062 HZM13NB2 Q1085 2SD1664-Q REG
D1065 HSC277 D1063 DAN222 SW
Q1084 2SK2596 PRI DRIVE
D1055-1057 D1060-1061 HSC277 SW
D1064 HSC277 SW
D1059 DAN222 Q1082 DTA144EE Q1083 DTC144EE SW
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Q1079-1080 DTC144EE SW
Q2003 NJM78L05UA REG
Q2004 2SA1774A Q2005 DTC144EE RESET
DS2001 AH016M LCD
Q2002 LC75821E LCD DRIVER
X2001 3.6864MHz
D2012-2013 UDZS6.8B
VR2001 AF VOL
VR2002 SQ VOL
Q2006 2SB1132Q Q2007 LNM1 LED DRIVE
Q2001 M38223E4HP CPU
D2014 HZM27WA PROTECT
S2014 POW
Q2011 NJM2904V MIC AMP
D2011 HZM27WA PROTECT
J2001 MIC
J3001
S3001 ENC SW
R1277-1286 RESISTORS
R1302-1311 RESISTORS
R1313-1321 RESISTORS
D1031-1032 HZM27WA PROTECT
TH1001 TBPS1R103K TEMP DET
D1039 DAN222
D1036 D1037 D1049 NJM78L05UA REG
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Q1050 S-80825CNMC Q1051 2SC4617R D1037-1038 DAN222 RESET PD
Q1065 M38264EFGP CPU
X1001 3.6864MHz
Q1052 2SC4617R CLOCK SHIFT
Q1053 AT24C256N EEPROM
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Q2001 M38223E4HP CPU
Q2011 NJM2904V MIC AMP
Q2011 NJM2904V MIC AMP
J2001 MIC
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CH-UNIT
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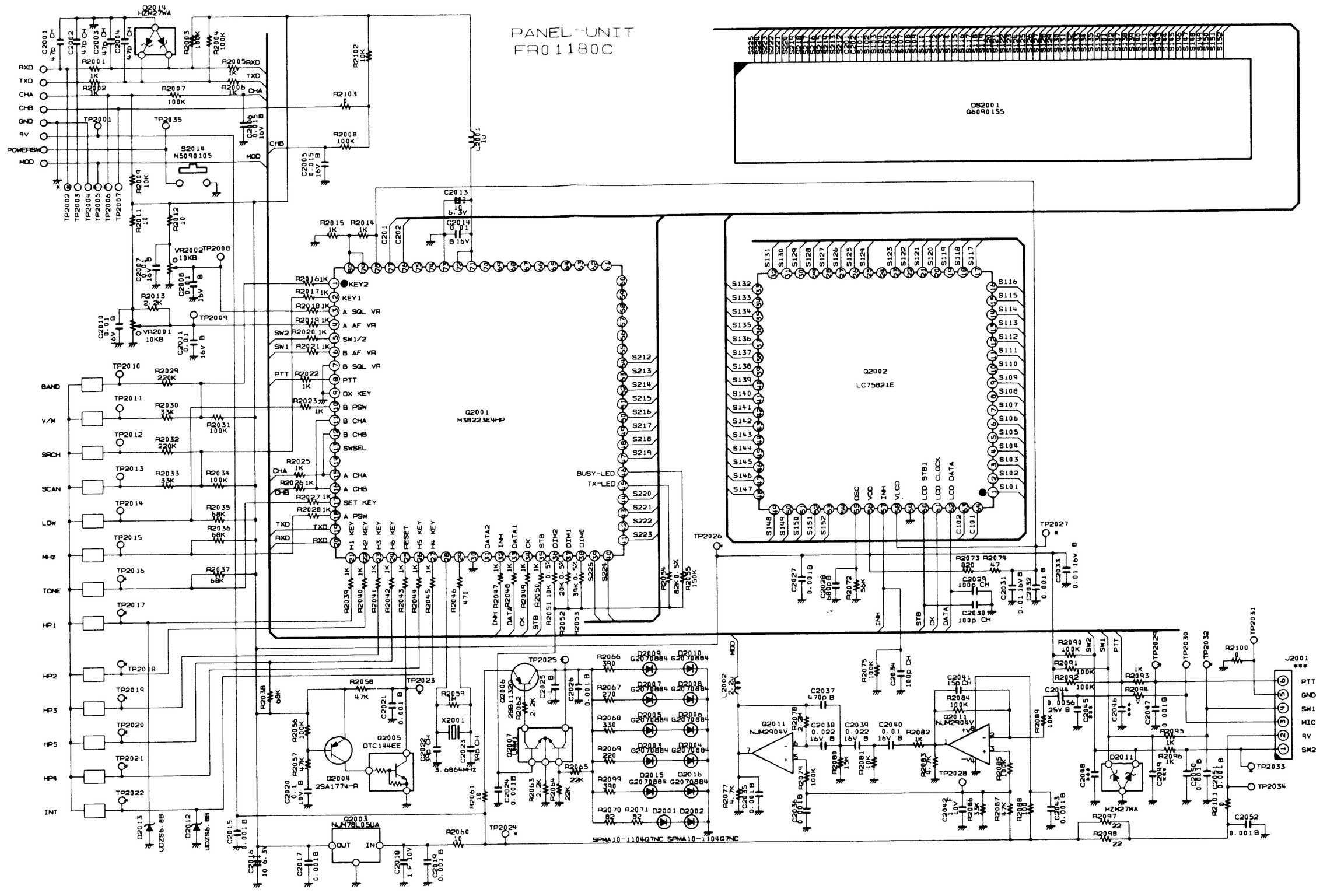
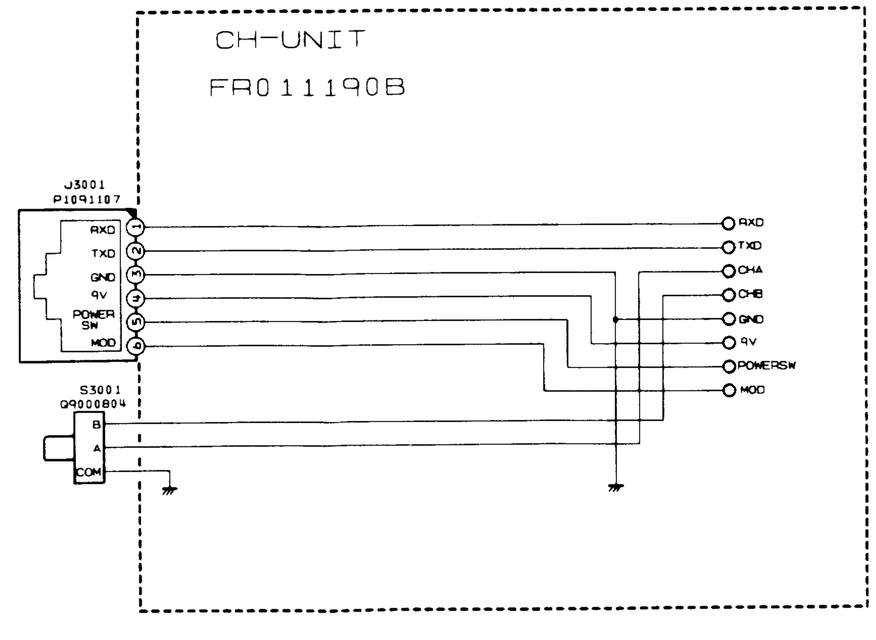
S3001 ENC SW





FT-7800R

Circuit Diagram

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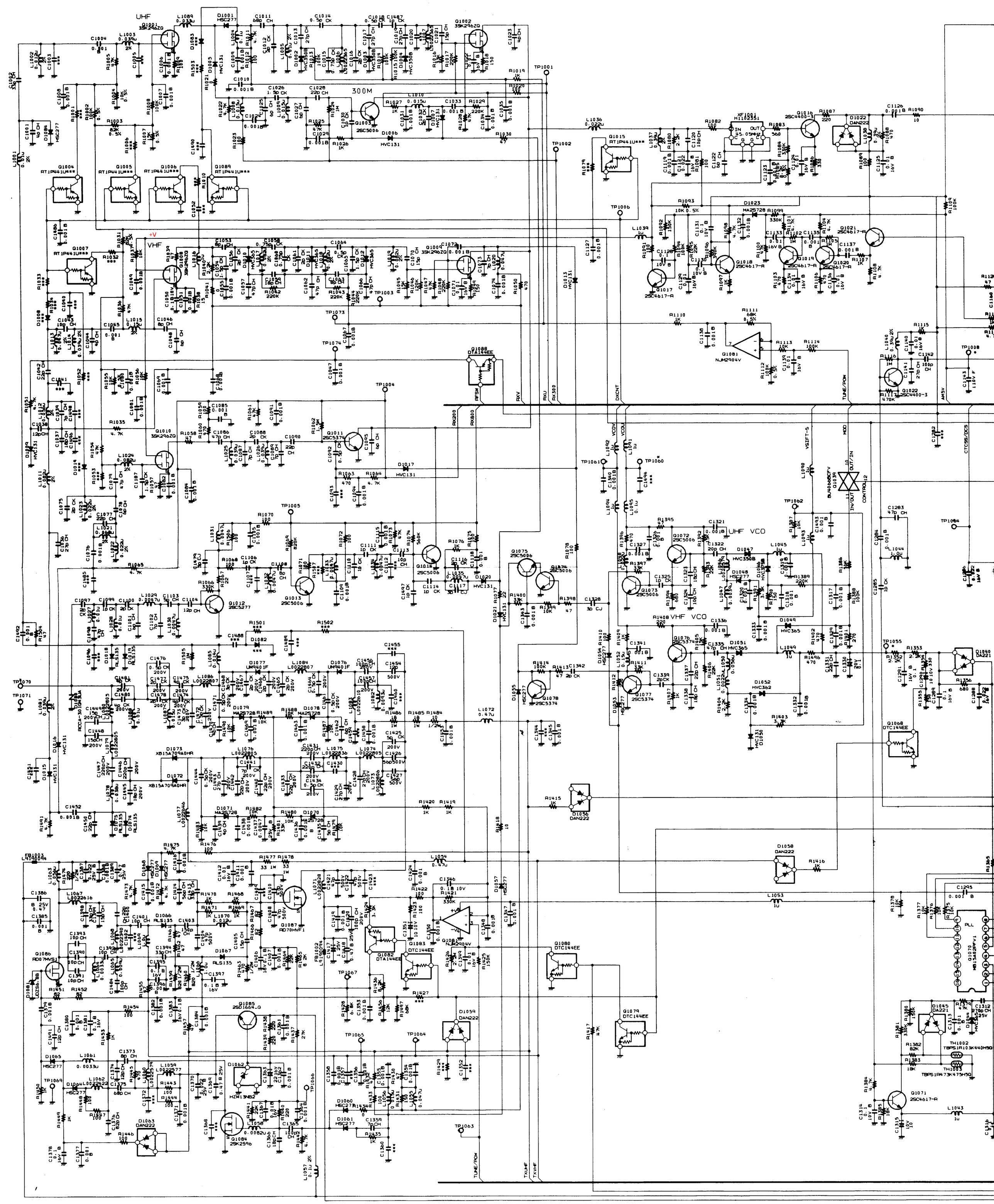
MAIN-UNIT
FR011170C



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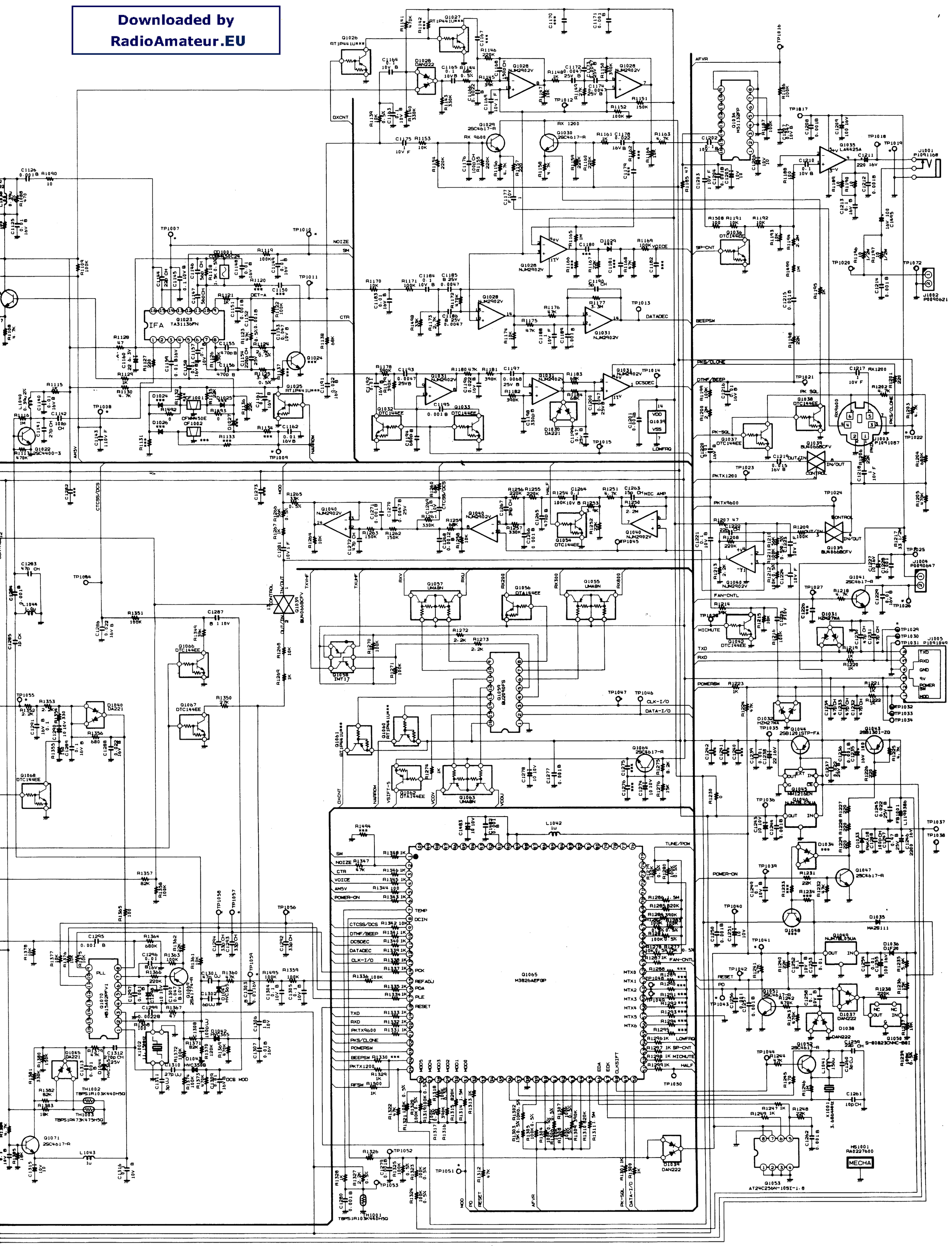
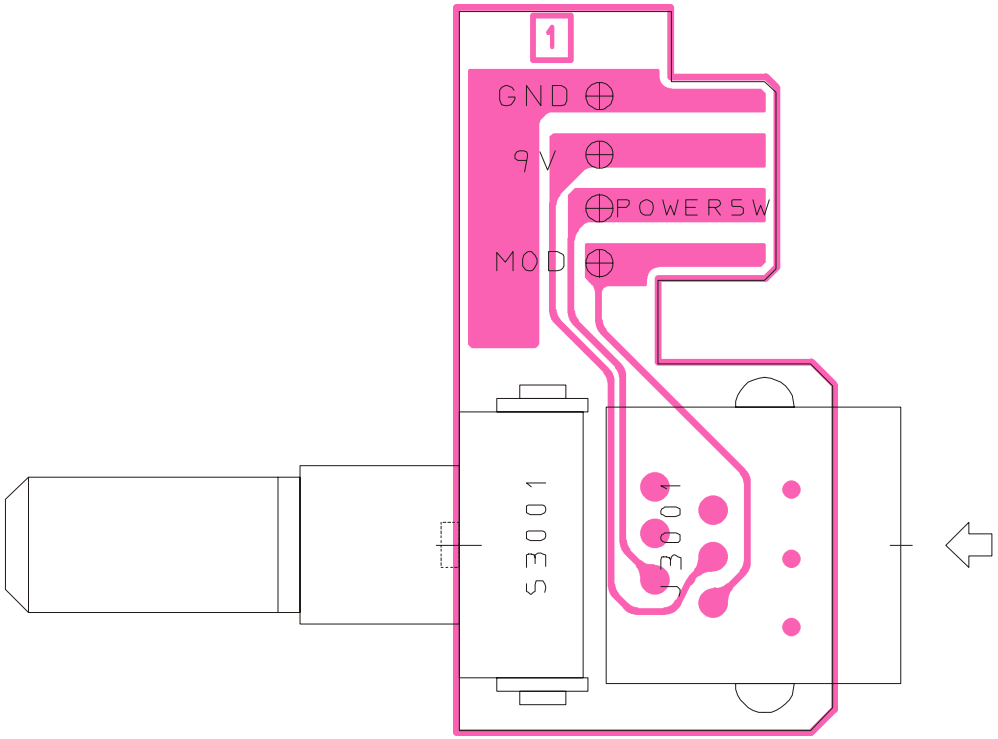
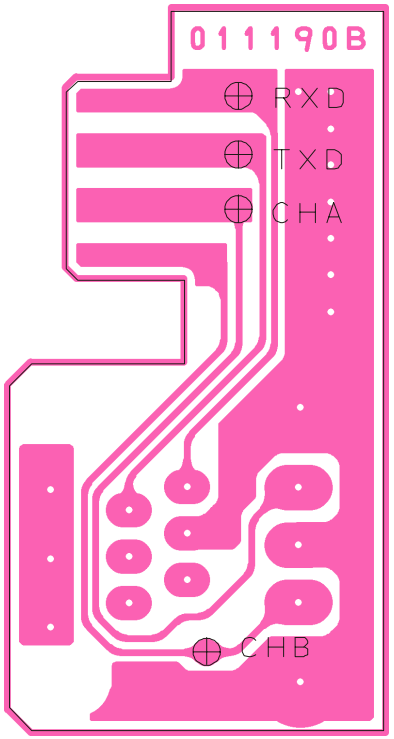
RadioAmateur.EU



FT-7800R CH UNIT

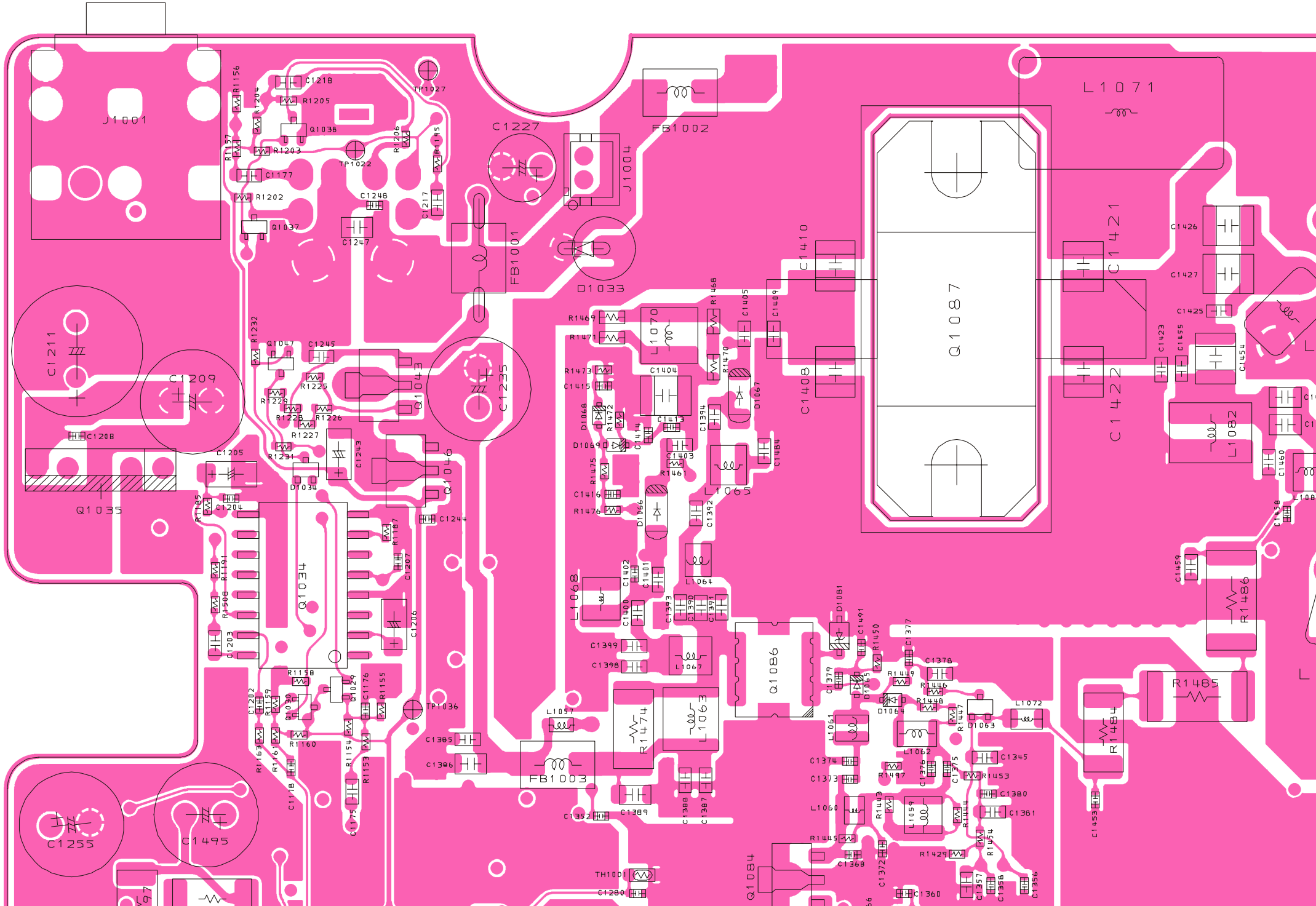


Side A

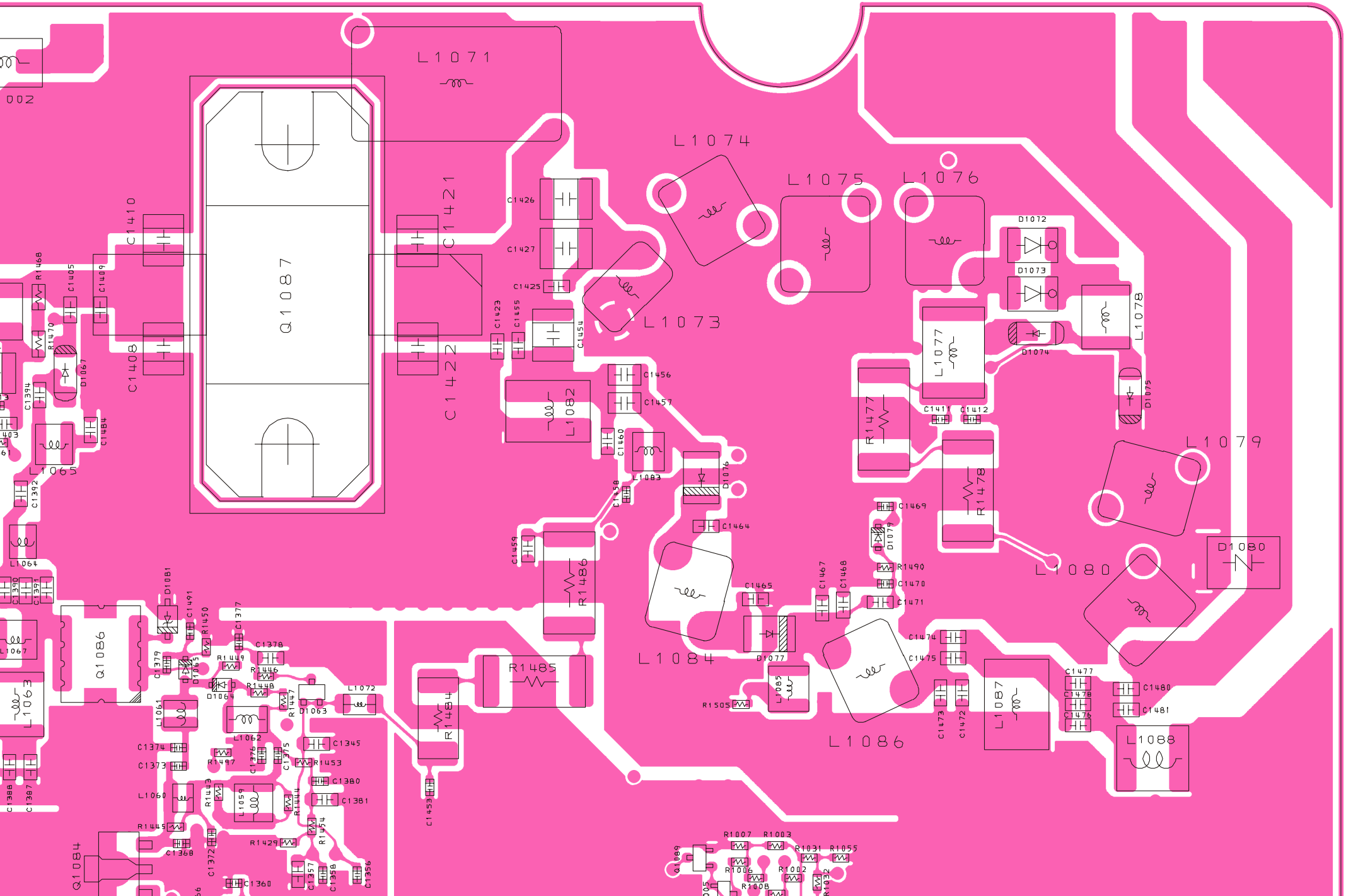


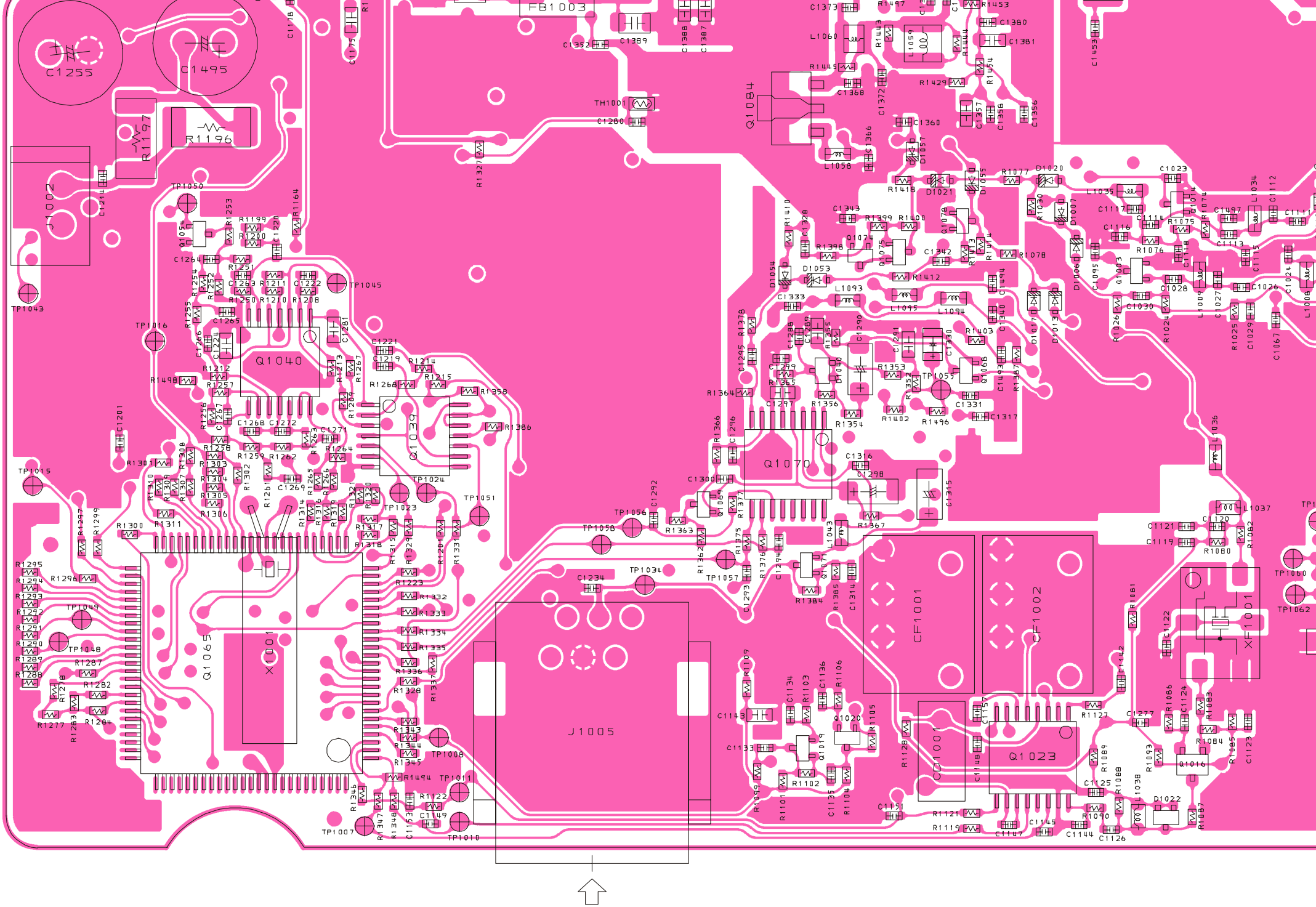
SideB

FT-7800R MAIN UNIT (Side A)



FT-7800R MAIN UNIT (Side A)





FT-7800R MAIN UNIT (Side A)

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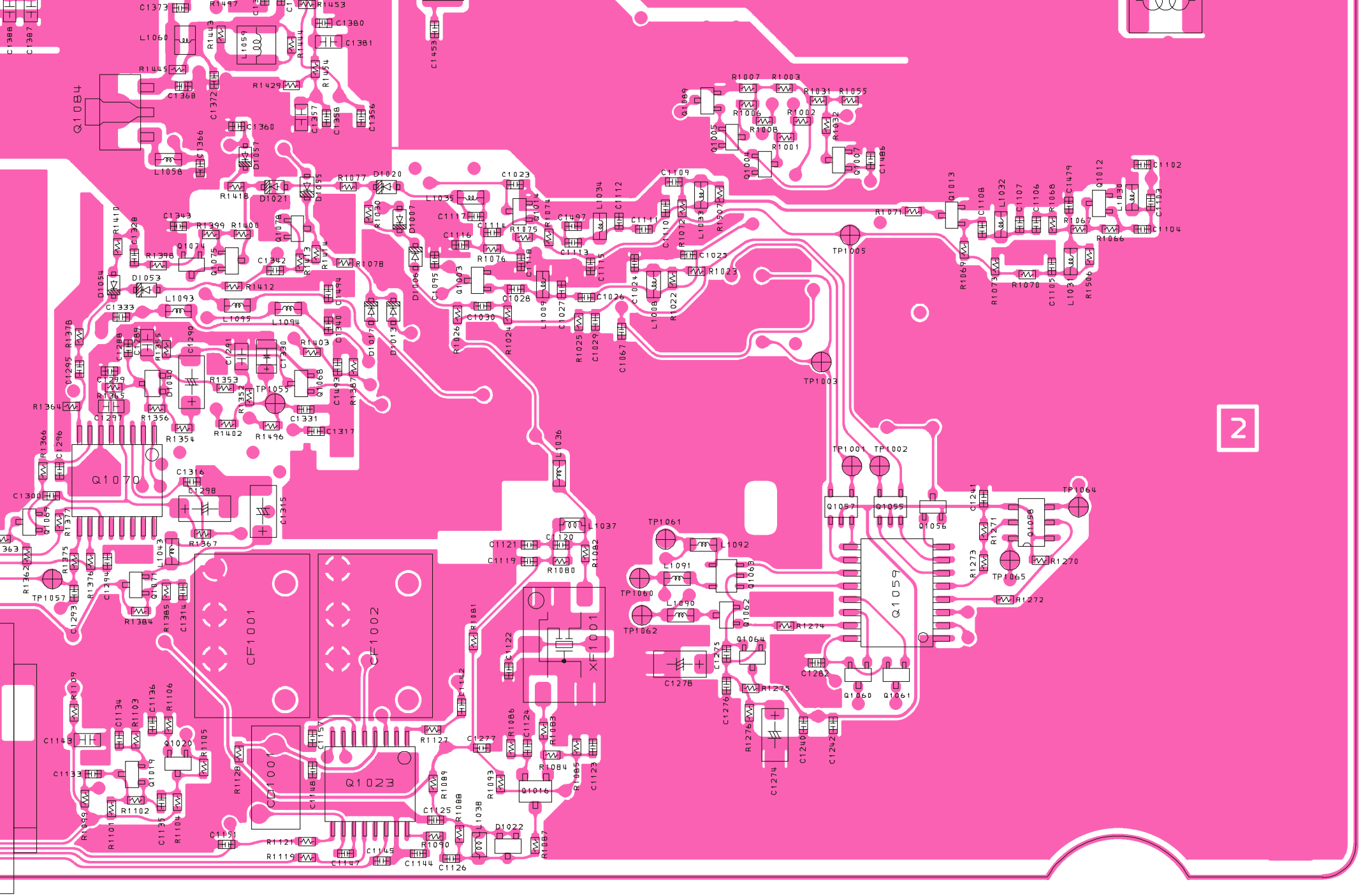
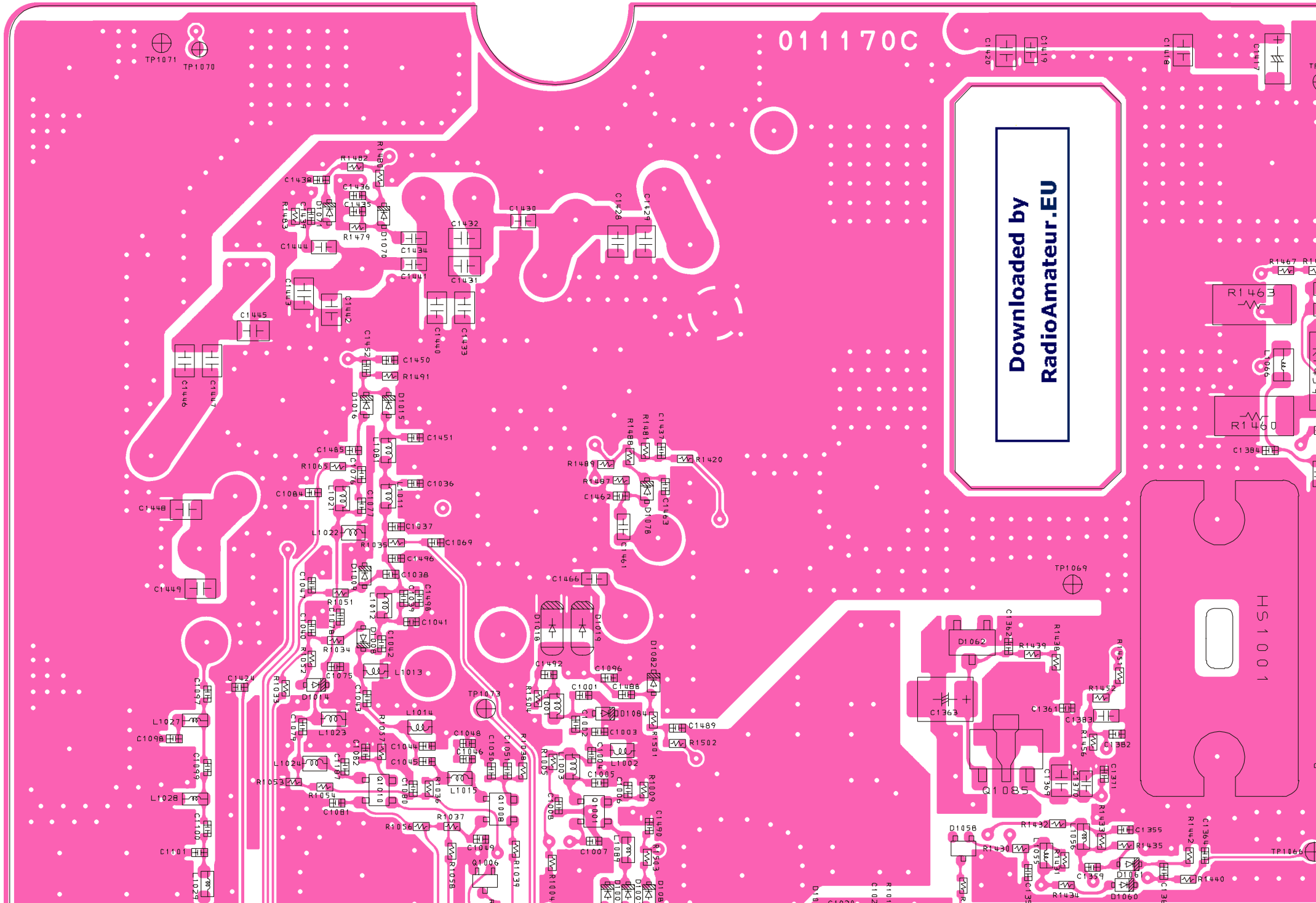


FT-7800R MAIN UNIT (Side A)

FT-7800R MAIN UNIT (Side B)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RadioAmateur.EU
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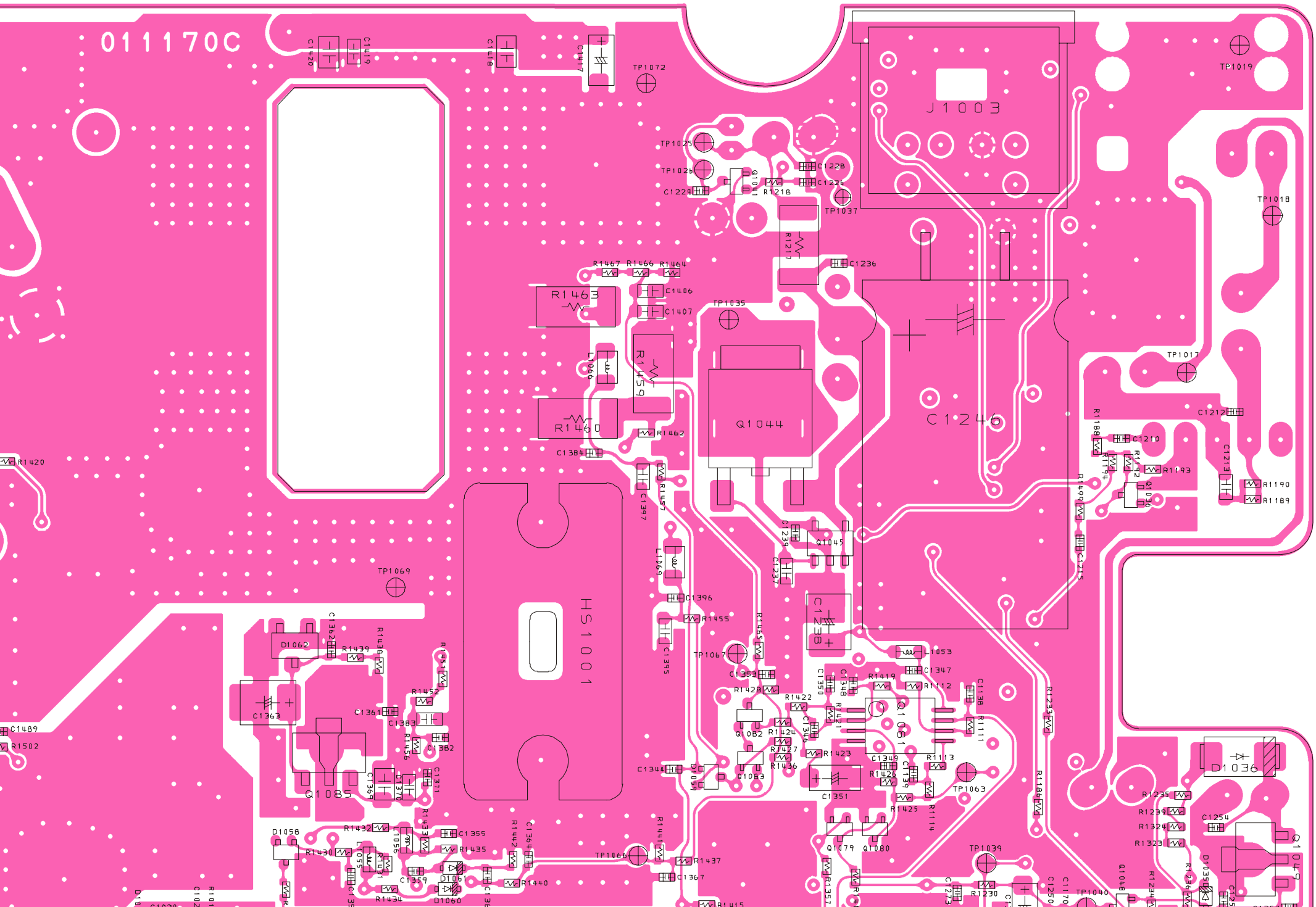
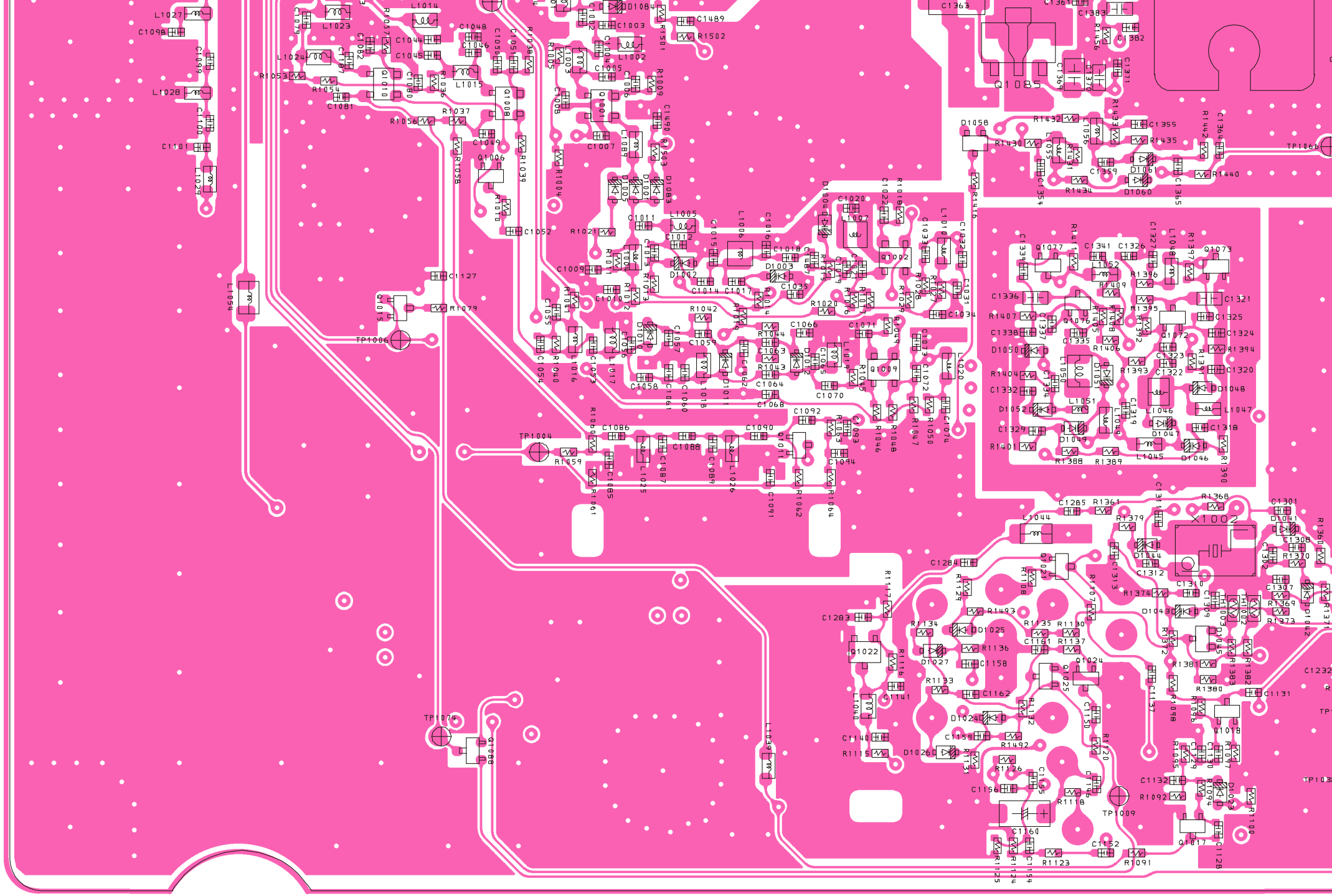
FT-7800R MAIN UNIT (Side B)





FT-7800R MAIN UNIT (Side B)

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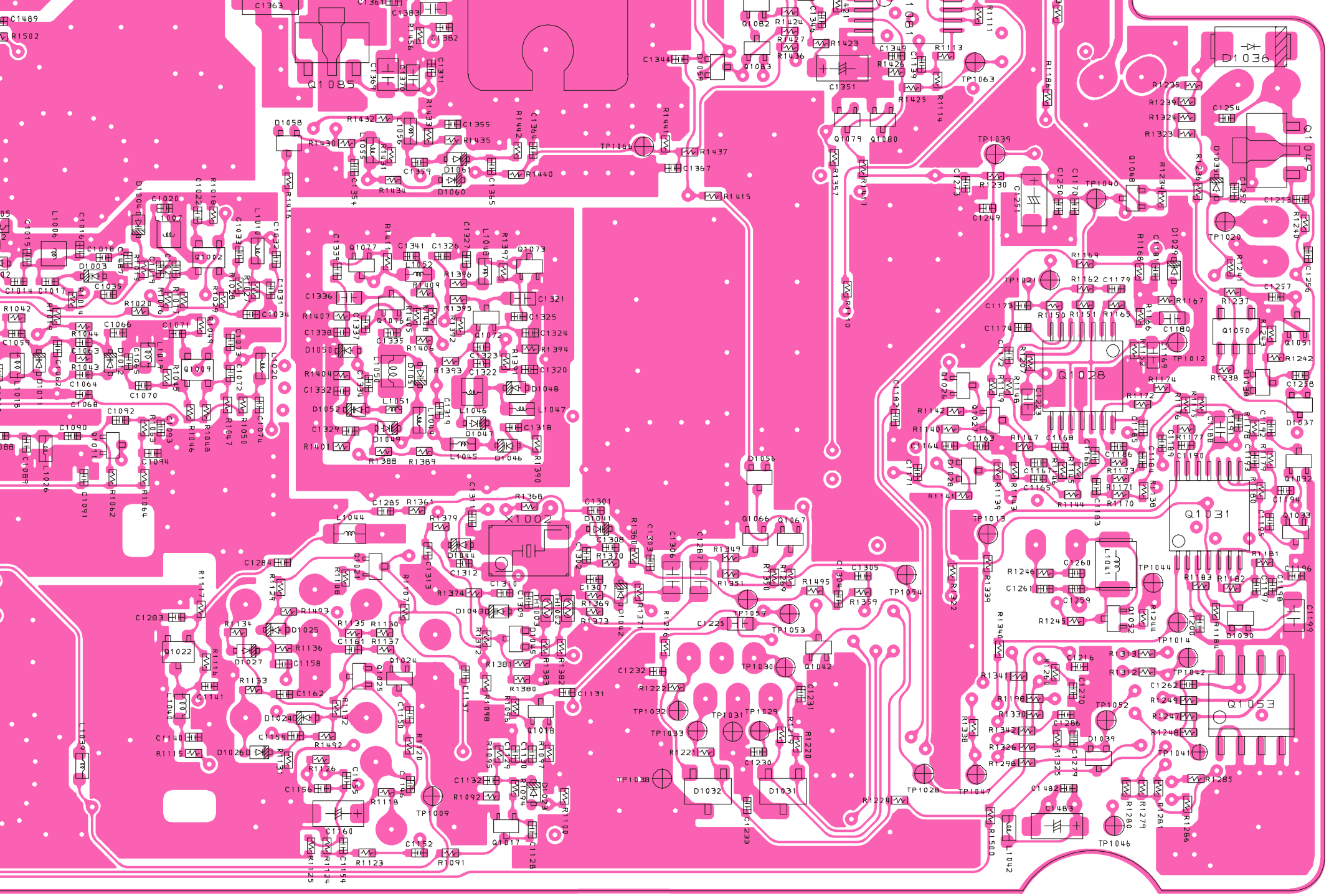
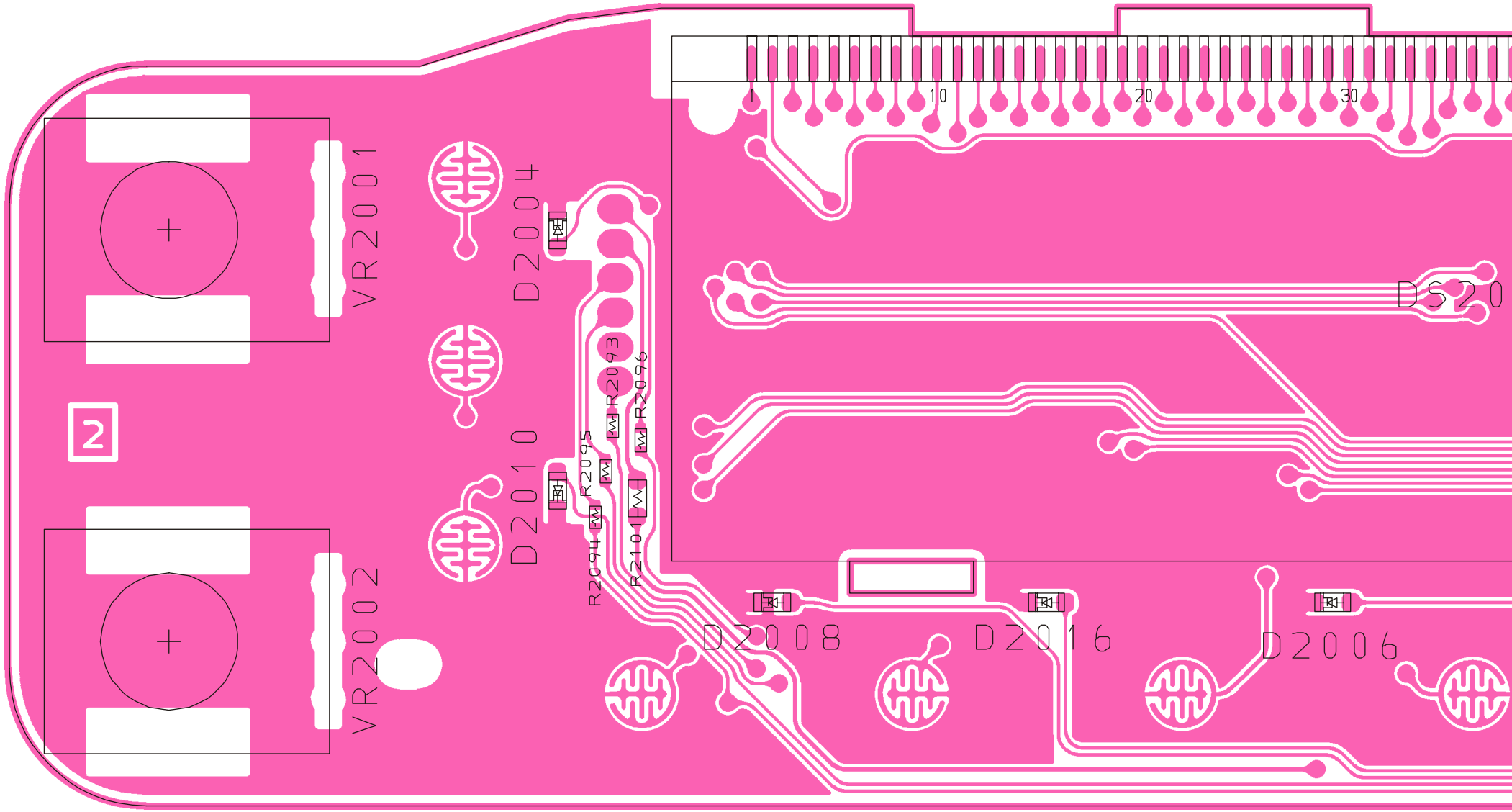
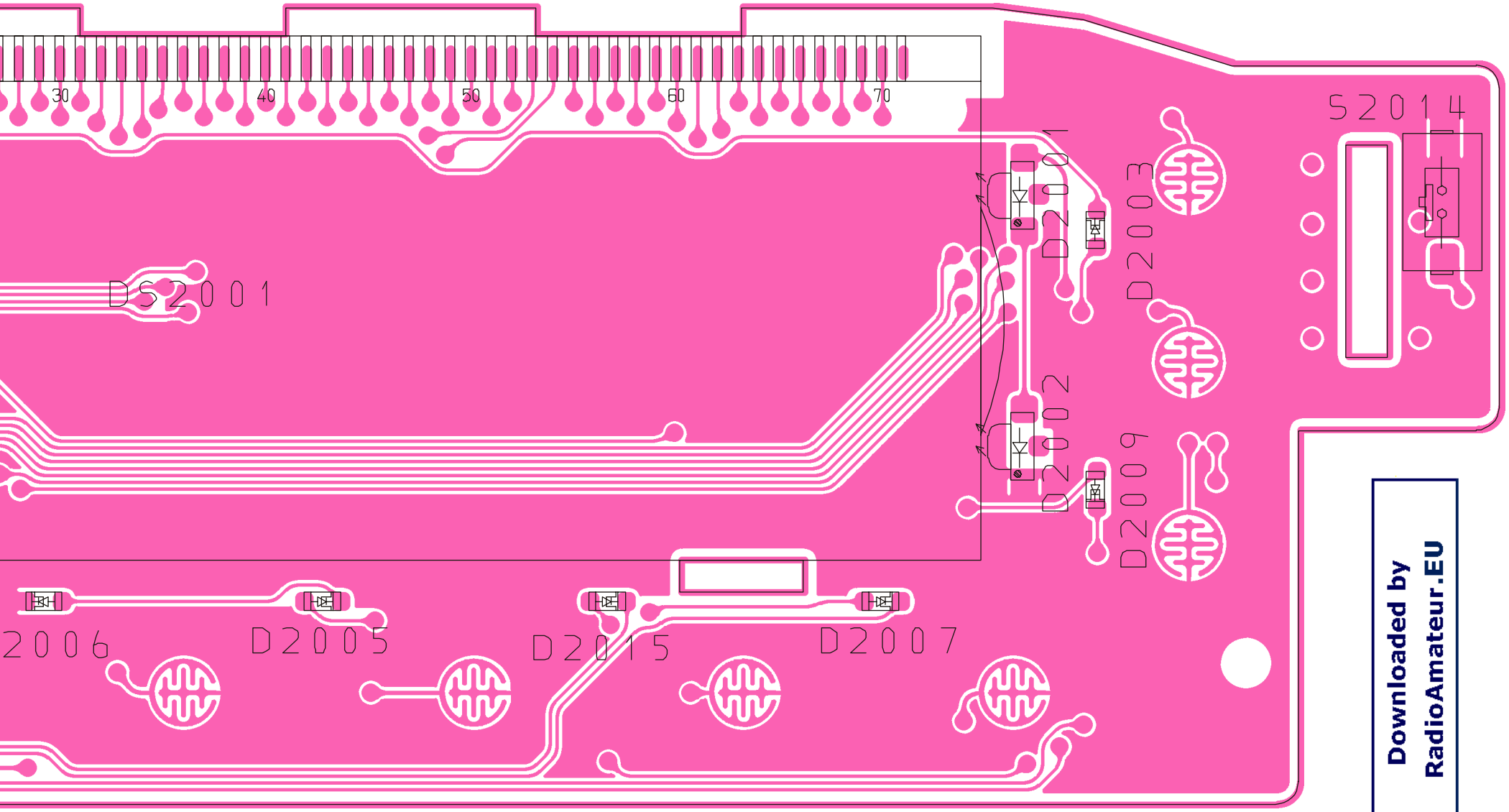


FT-7800R MAIN UNIT (Side B)

1 *FT-7800R PANEL UNIT (Side A)*





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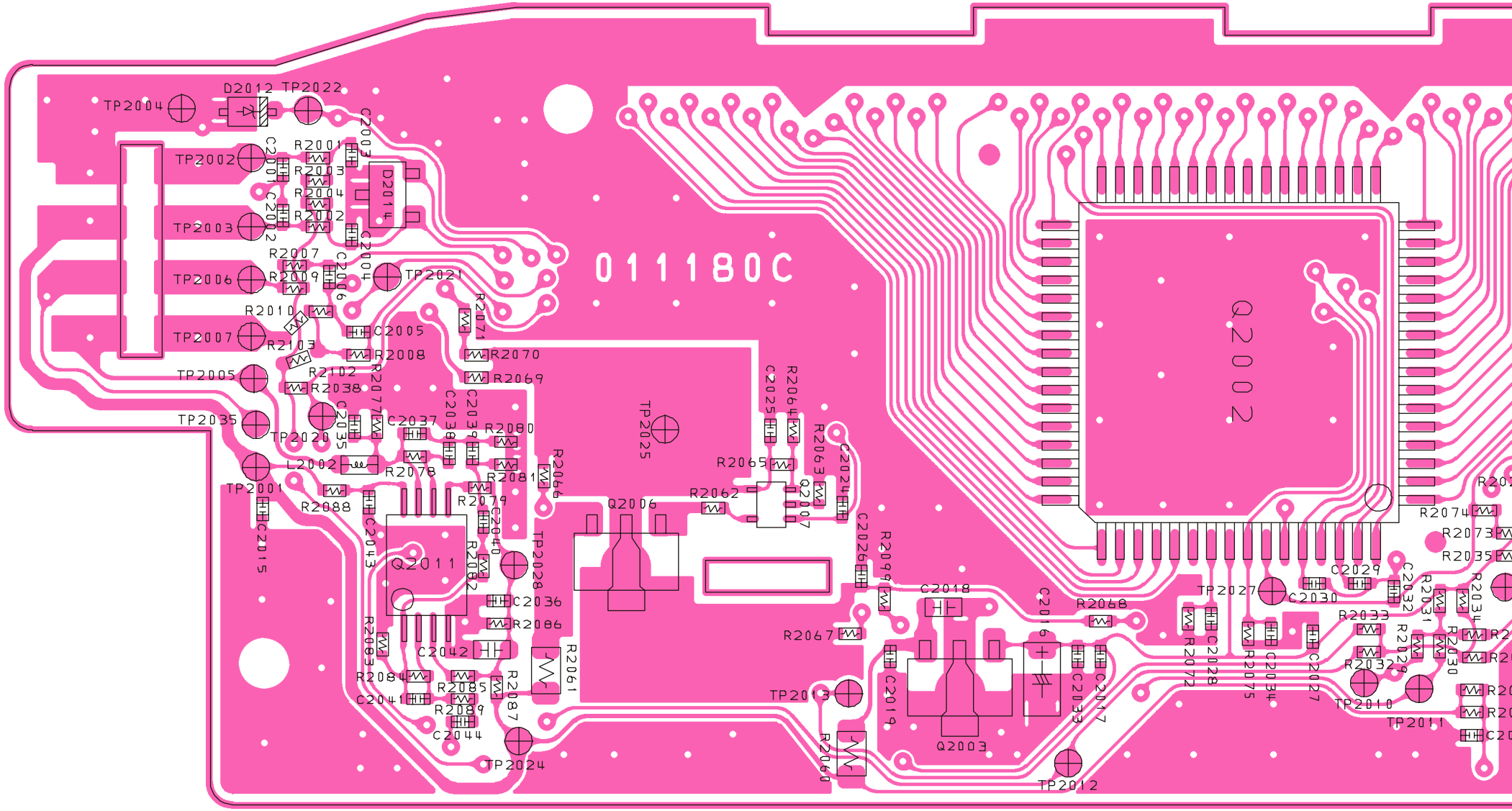
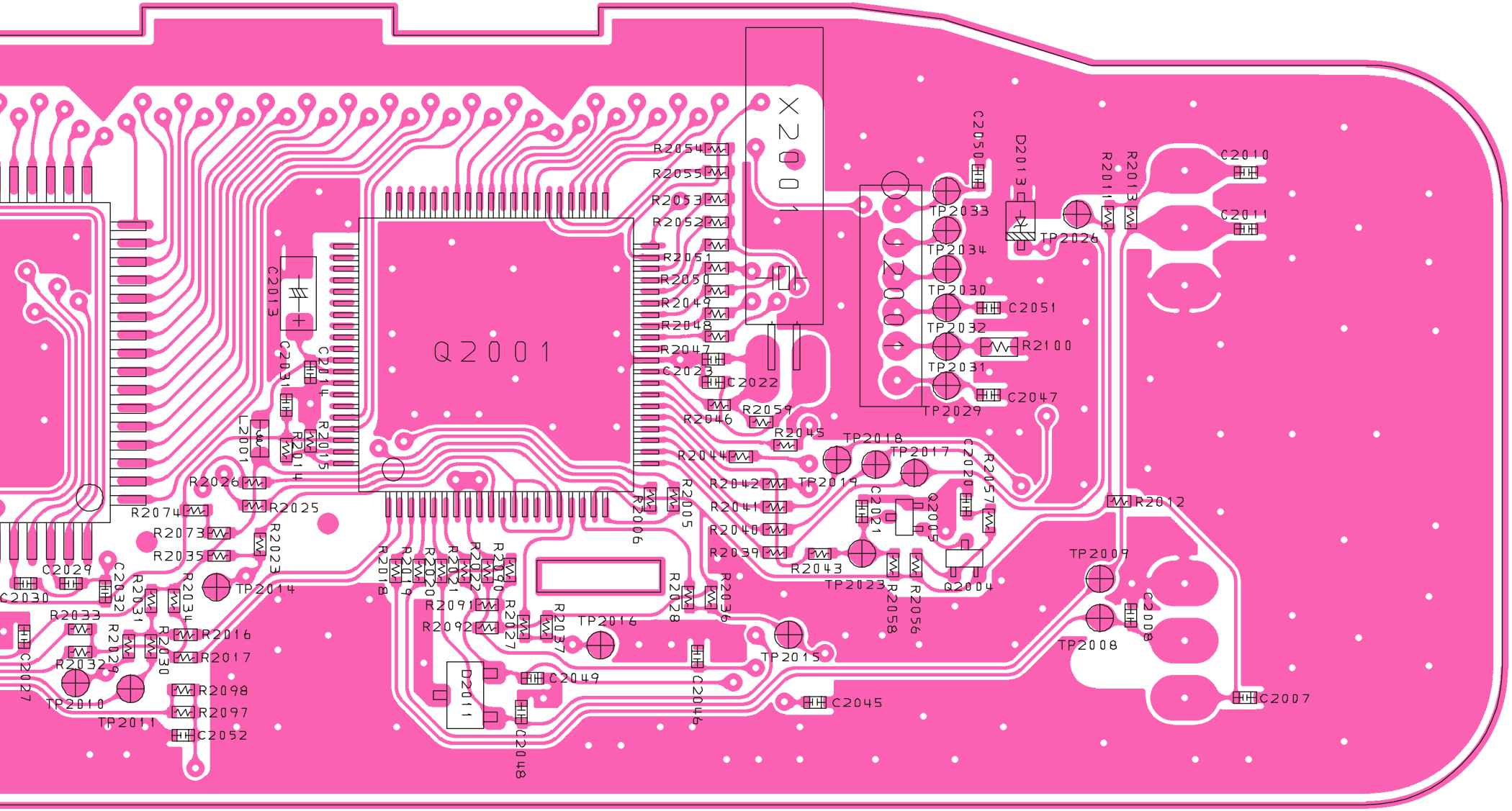
1 *FT-7800R PANEL UNIT (Side A)*

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