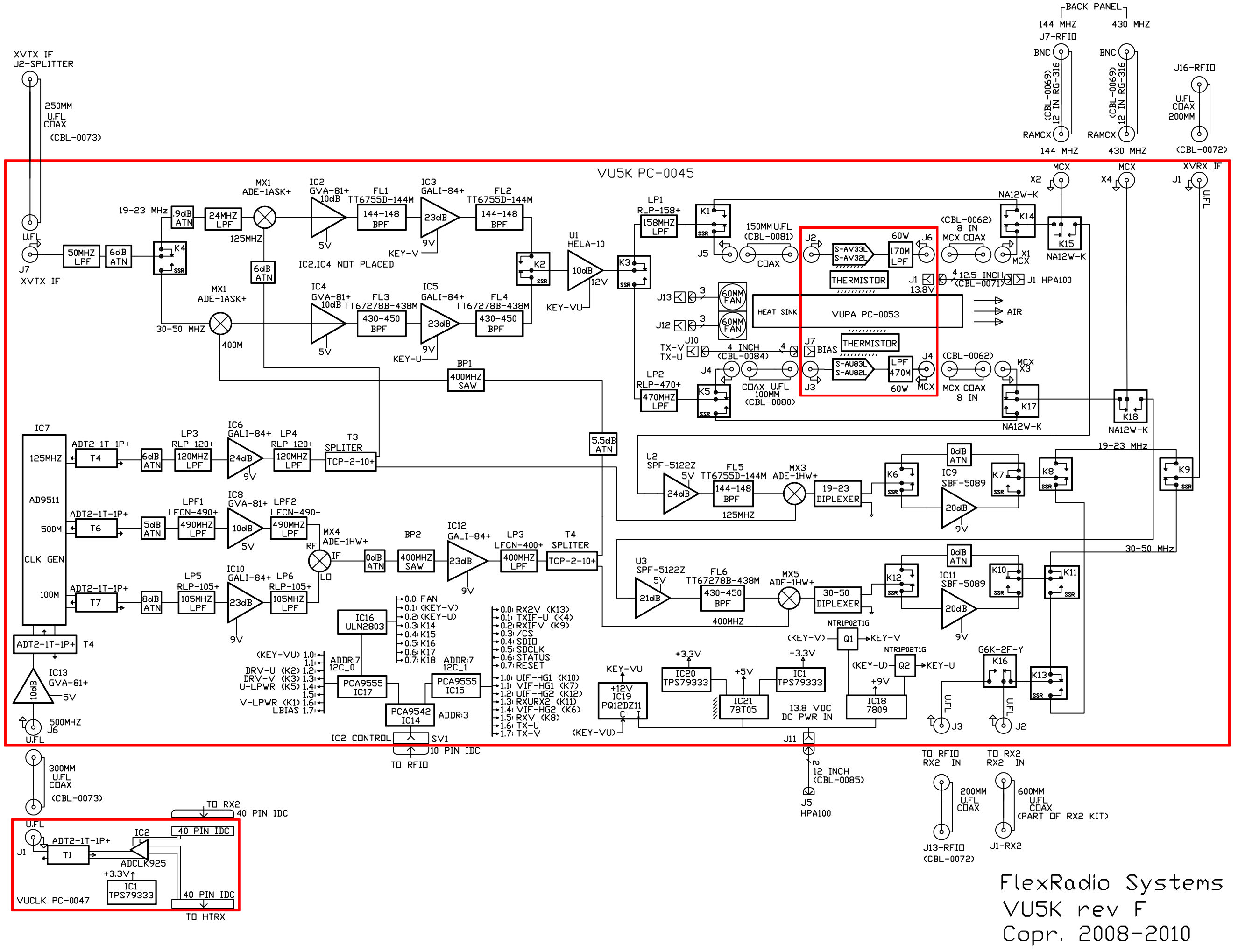
VU5K PC-0045
XVTX IF
J2-SPLITTER
250MM U.FL COAX (CBL-0073)
BACK PANEL
144 MHZ J7-RFIO
430 MHZ
BNC
RAMCX
(CBL-0069) 12 IN RG-316
J16-RFIO
U.FL COAX 200MM
(CBL-0072)
XVRX IF
J1
U.FL
MCX
X2
X4
J7 XVTX IF
19-23 MHz
.9dB ATN
24MHZ LPF
125MHZ
MX1 ADE-1ASK+
IC2 GVA-81+ 10dB
FL1 TT6755D-144M
144-148 BPF
IC3 GALI-84+ 23dB
FL2 TT6755D-144M
5V
9V
KEY-V
IC2,IC4 NOT PLACED
50MHZ LPF
6dB ATN
K4
SSR
K2
U1 HELA-10
10dB
12V
K3
LP1 RLP-158+
158MHZ LPF
K1
J5
150MM U.FL (CBL-0081)
COAX
J2
S-AV33L S-AV32L
60W
170M LPF
J6
THERMISTOR
J1 13.8V
(CBL-0062) 8 IN MCX COAX
NA12W-K
K14
K15
X1 MCX
4 12.5 INCH (CBL-0071)
J1 HPA100
30-50 MHZ
400M
MX1 ADE-1ASK+
IC4 GVA-81+ 10dB
FL3 TT67278B-438M
430-450 BPF
IC5 GALI-84+ 23dB
FL4 TT67278B-438M
KEY-U
KEY-VU
BP1 400MHZ SAW
J13
J12
60MM FAN
HEAT SINK
VUPA PC-0053
AIR
TX-V
TX-U
J10
4 INCH (CBL-0084)
J7 BIAS
THERMISTOR
S-AU83L S-AU82L
LP2 RLP-470+
470MHZ LPF
K5
J4
COAX U.FL 100MM (CBL-0080)
LPF 470M
60W
MCX
(CBL-0062) MCX COAX 8 IN
X3
K17
NA12W-K
K18
IC7
AD9511
125MHZ
500M
CLK GEN
100M
ADT2-1T-1P+
T4
T6
T7
6dB ATN
5dB ATN
8dB ATN
LP3 RLP-120+
120MHZ LPF
IC6 GALI-84+ 24dB
LP4 RLP-120+
T3 SPLITER TCP-2-10+
LPF1 LFCN-490+
490MHZ LPF
IC8 GVA-81+ 10dB
LPF2 LFCN-490+
MX4 ADE-1HW+
RF
IF
LO
BP2 400MHZ SAW
IC12 GALI-84+ 23dB
LP3 LFCN-400+ 400MHZ LPF
T4 SPLITER TCP-2-10+
LP5 RLP-105+
105MHZ LPF
IC10 GALI-84+ 23dB
LP6 RLP-105+
5.5dB ATN
U2 SPF-5122Z
5V
24dB
FL5 TT6755D-144M
144-148 BPF
125MHZ
MX3 ADE-1HW+
19-23 DIPLEXER
K6
0dB ATN
IC9 SBF-5089
20dB
K7
K8
K9
U3 SPF-5122Z
21dB
FL6 TT67278B-438M
430-450 BPF
400MHZ
MX5 ADE-1HW+
30-50 DIPLEXER
K12
IC11 SBF-5089
K10
K11
30-50 MHz
NTR1P02T1G
Q1
Q2
(KEY-V)
(KEY-U)
KEY-V
KEY-U
G6K-2F-Y
K16
K13
IC16 ULN2803
IC17 PCA9555
IC15 PCA9555
IC14 PCA9542
ADDR:7 I2C_0
ADDR:7 I2C_1
ADDR:3
(KEY-VU) 1.0
DRV-U (K2) 1.2
DRV-V (K3) 1.3
U-LPWR (K5) 1.4
V-LPWR (K1) 1.5
LBIAS 1.7
0.0: FAN
0.1: (KEY-V)
0.2: (KEY-U)
0.3: K14
0.4: K15
0.5: K16
0.6: K17
0.7: K18
0.0: RX2V (K13)
0.1: TXIF-U (K4)
0.2: RXIFV (K9)
0.3: /CS
0.4: SDIO
0.5: SDCLK
0.6: STATUS
0.7: RESET
1.0: VIF-HG1 (K10)
1.1: VIF-HG1 (K7)
1.2: VIF-HG2 (K12)
1.3: RXURX2 (K11)
1.4: VIF-HG2 (K6)
1.5: RXV (K8)
1.6: TX-U
1.7: TX-V
IC2 CONTROL
SV1
10 PIN IDC
TO RFIO
IC13 GVA-81+ 10dB
5V
500MHZ J6
U.FL
300MM U.FL COAX (CBL-0073)
IC20 TPS79333
IC21 78T05
IC1 TPS79333
IC18 7809
+3.3V
+5V
+9V
+12V IC19 PQ12DZ11
13.8 VDC DC PWR IN
J11
12 INCH (CBL-0085)
J5 HPA100
J3
J2
TO RFIO RX2 IN
TO RX2 RX2 IN
200MM U.FL COAX
600MM U.FL COAX (PART OF RX2 KIT)
J13-RFIO (CBL-0072)
J1-RX2
TO RX2
40 PIN IDC
IC2
ADT2-1T-1P+
T1
ADCLK925
IC1 TPS79333
VUCLK PC-0047
TO HTRX
FlexRadio Systems
VU5K rev F
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