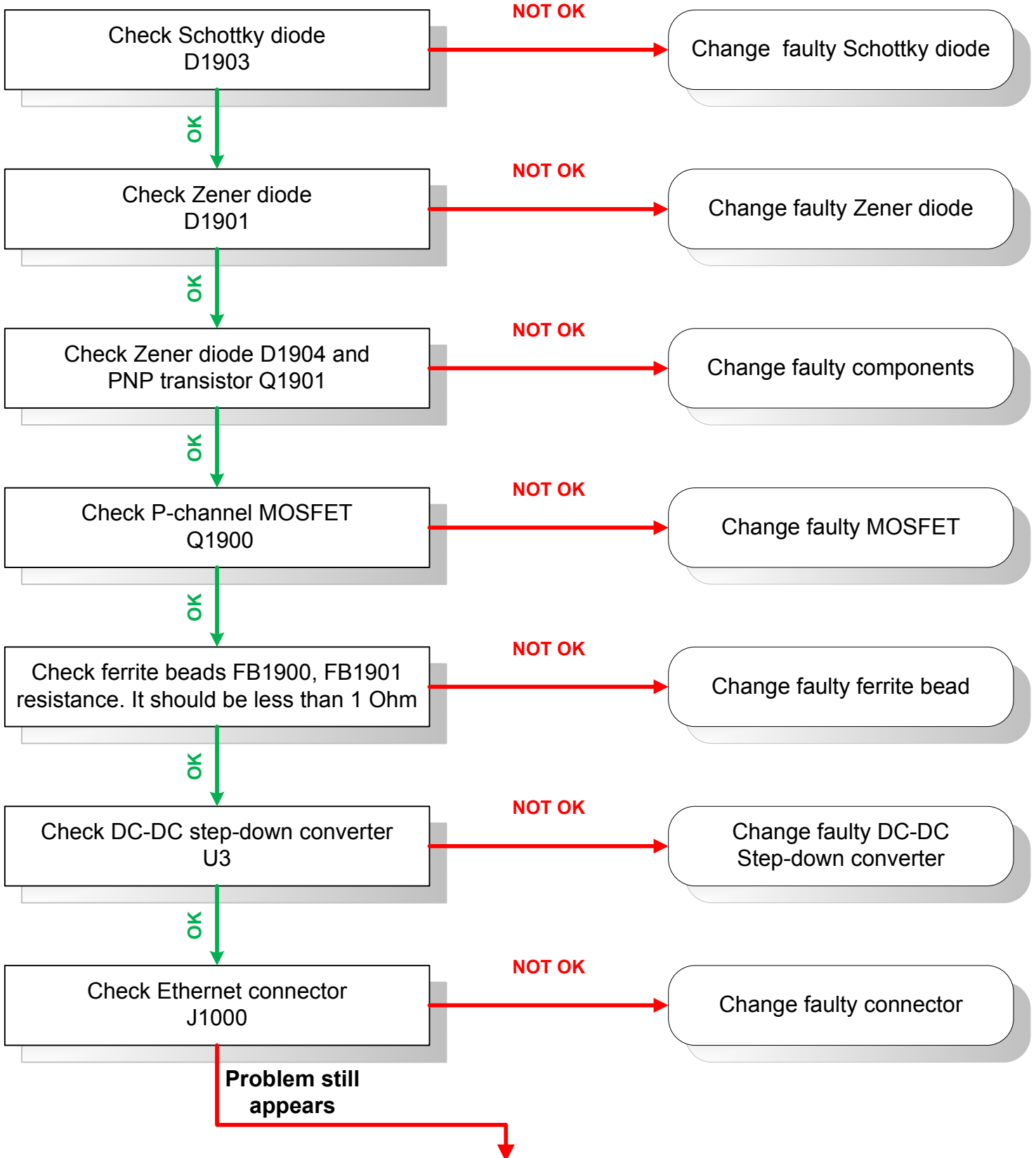


TroubleShooting for RBSXT 5HnDr5

These repair instructions are for NON WARRANTY repairs only!

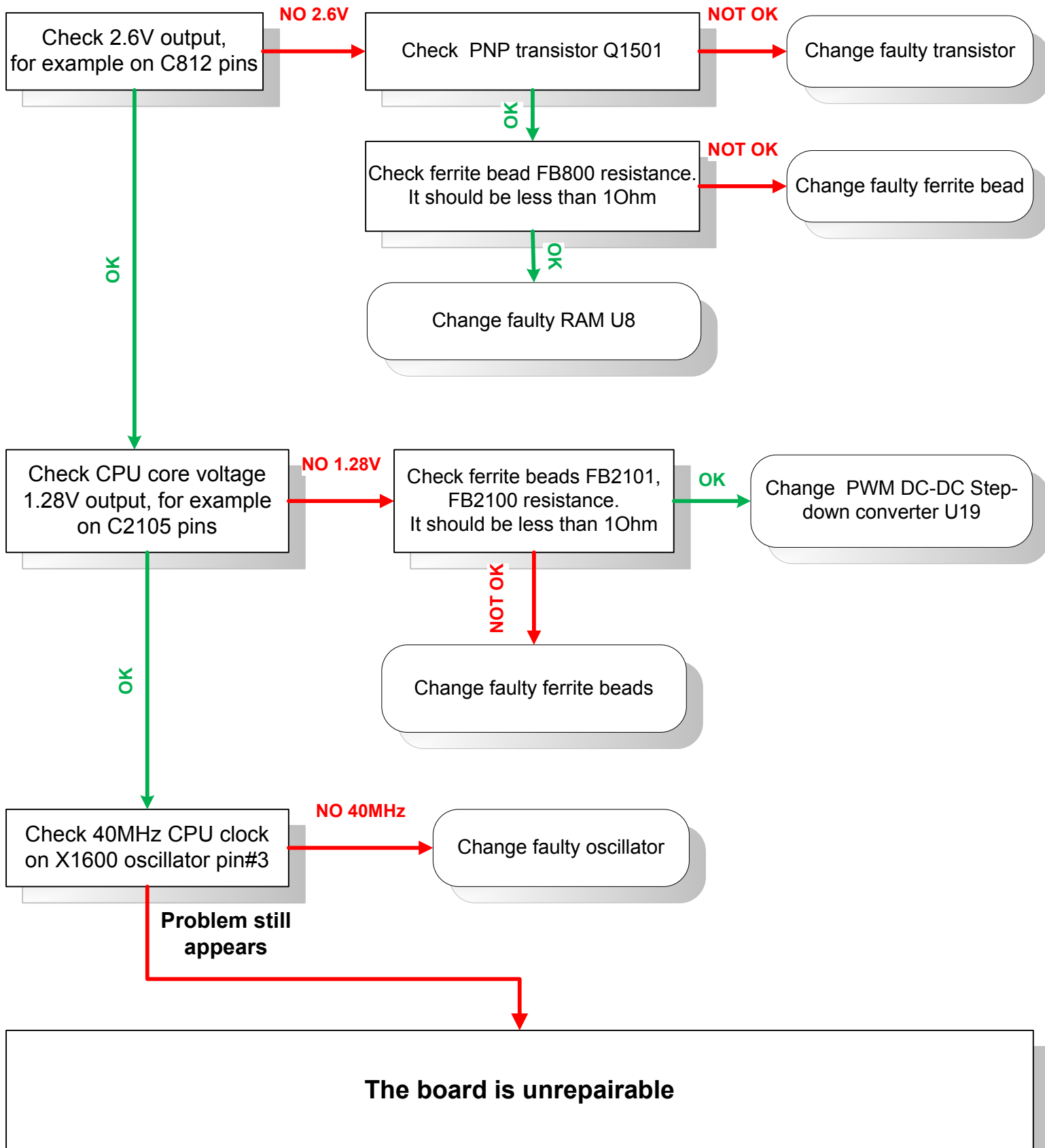
Please make visual inspection for signs of corrosion or mechanical damages before starting.

No power

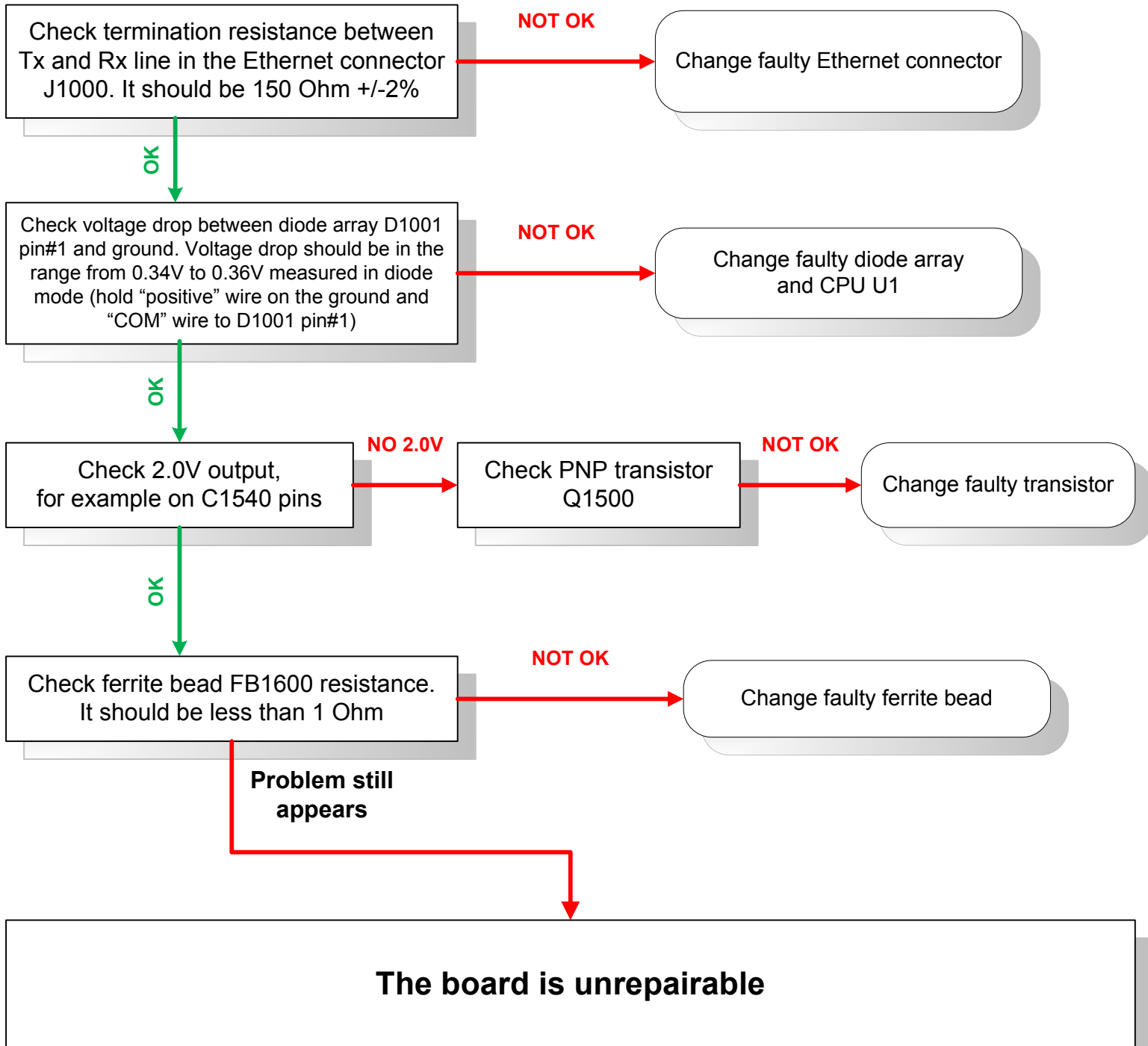


The board is unreparable

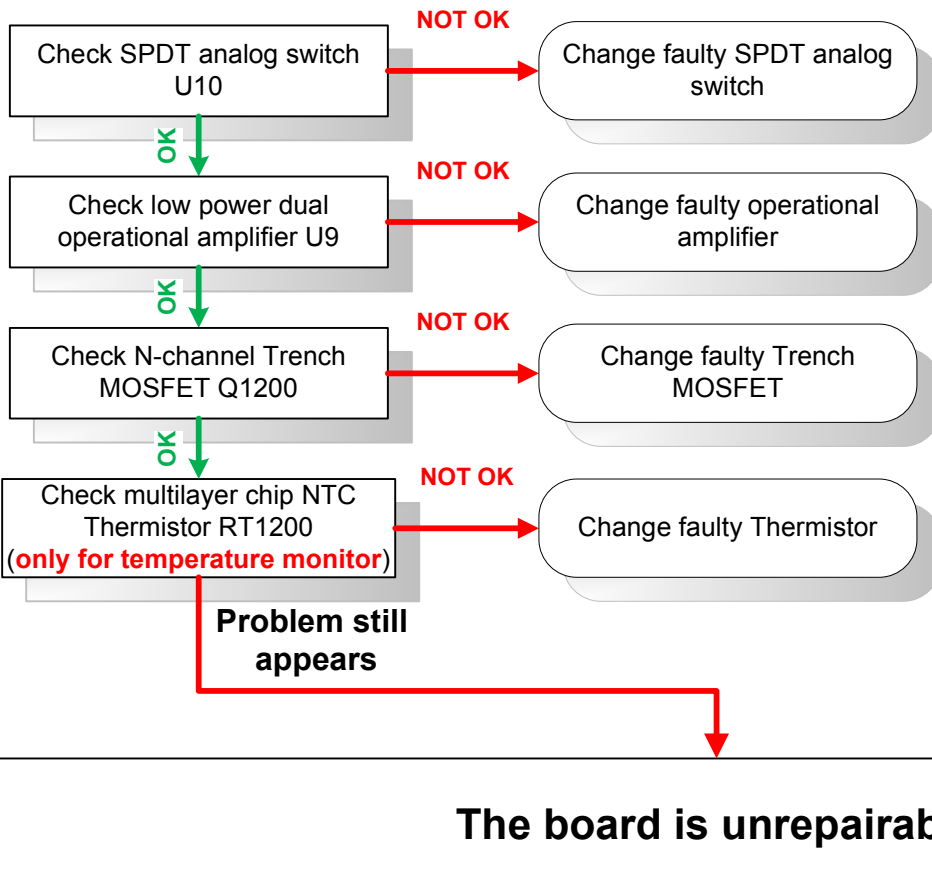
RB does not boot



Ethernet port does not work, drops ping packets

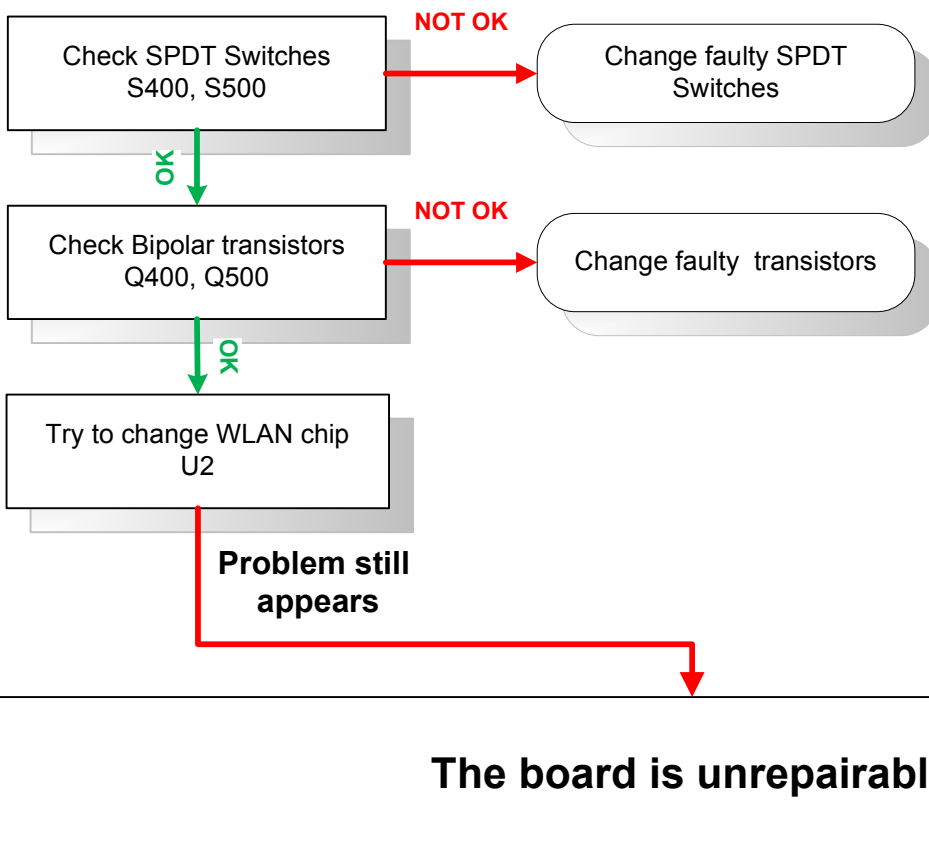


Voltage/Temperature monitor does not work

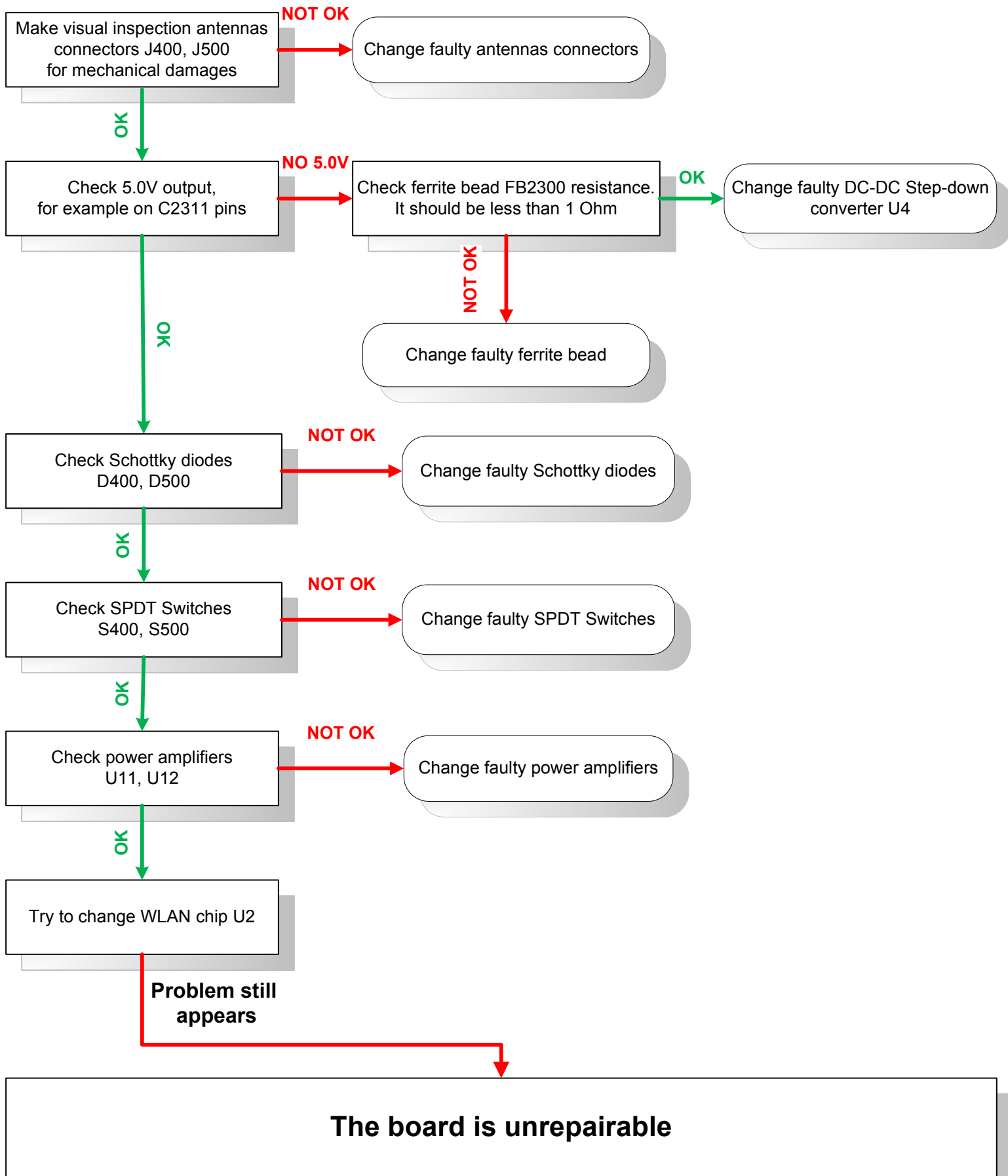


Radio part

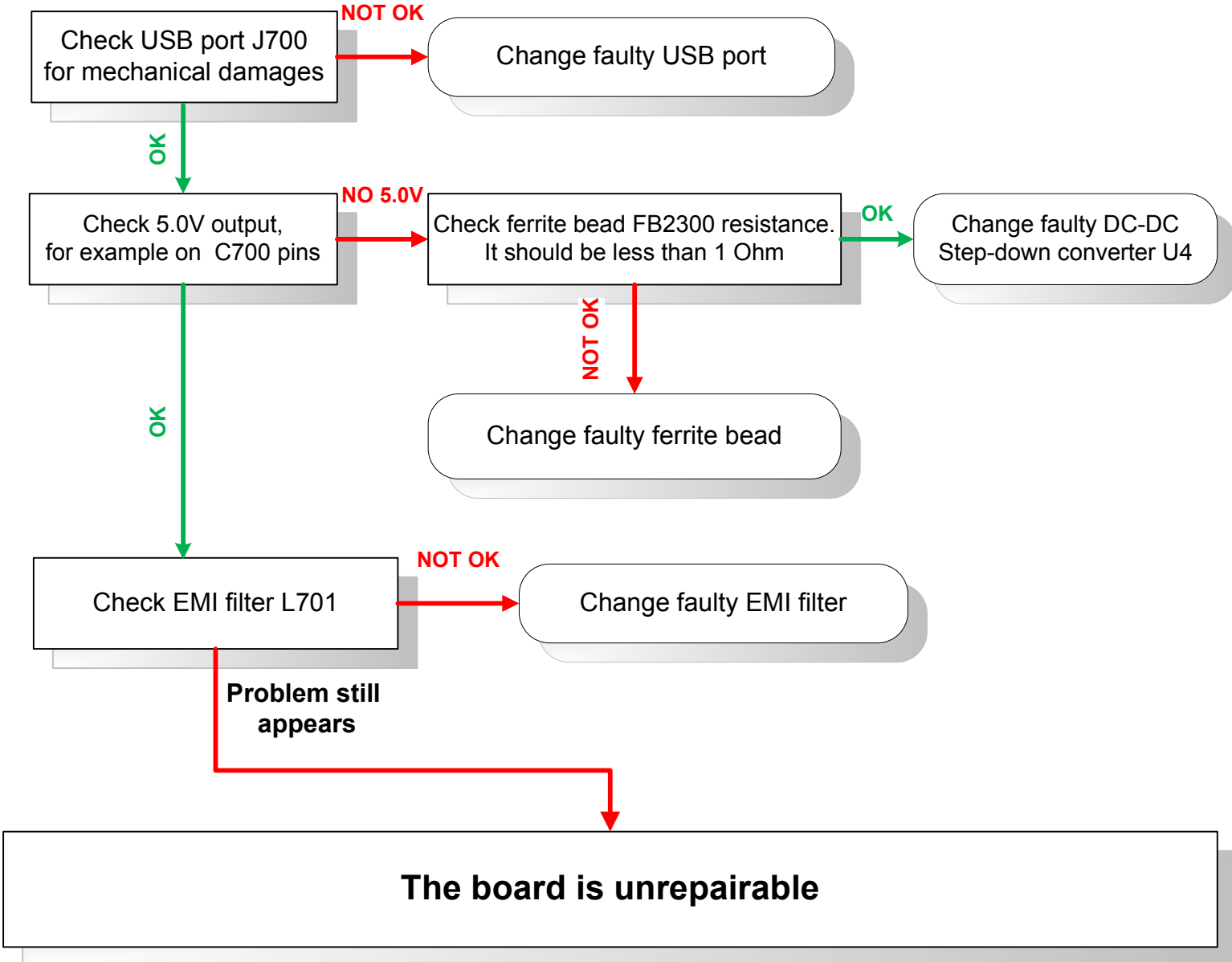
Receive does not work



Transmit does not work



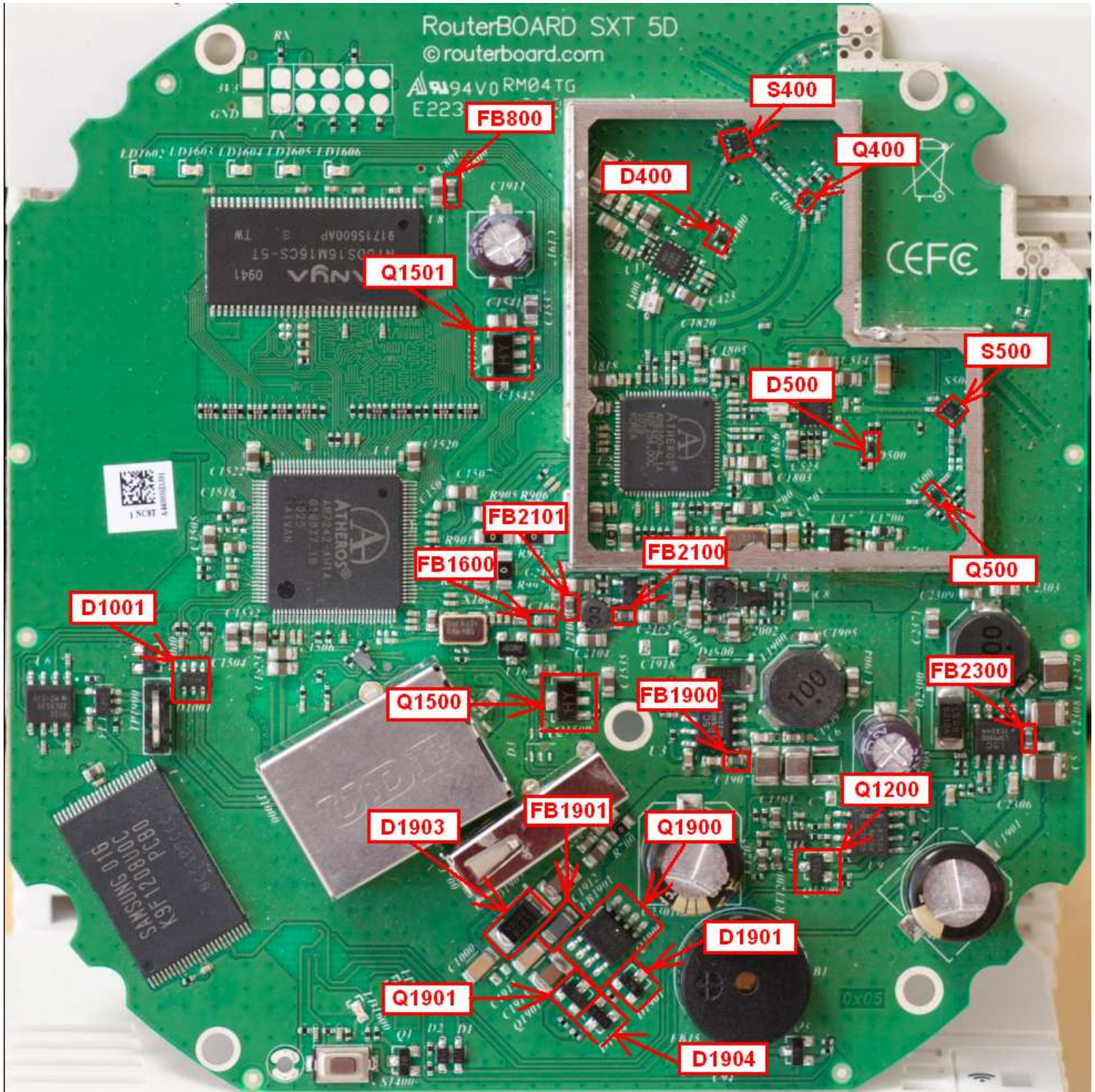
USB does not work



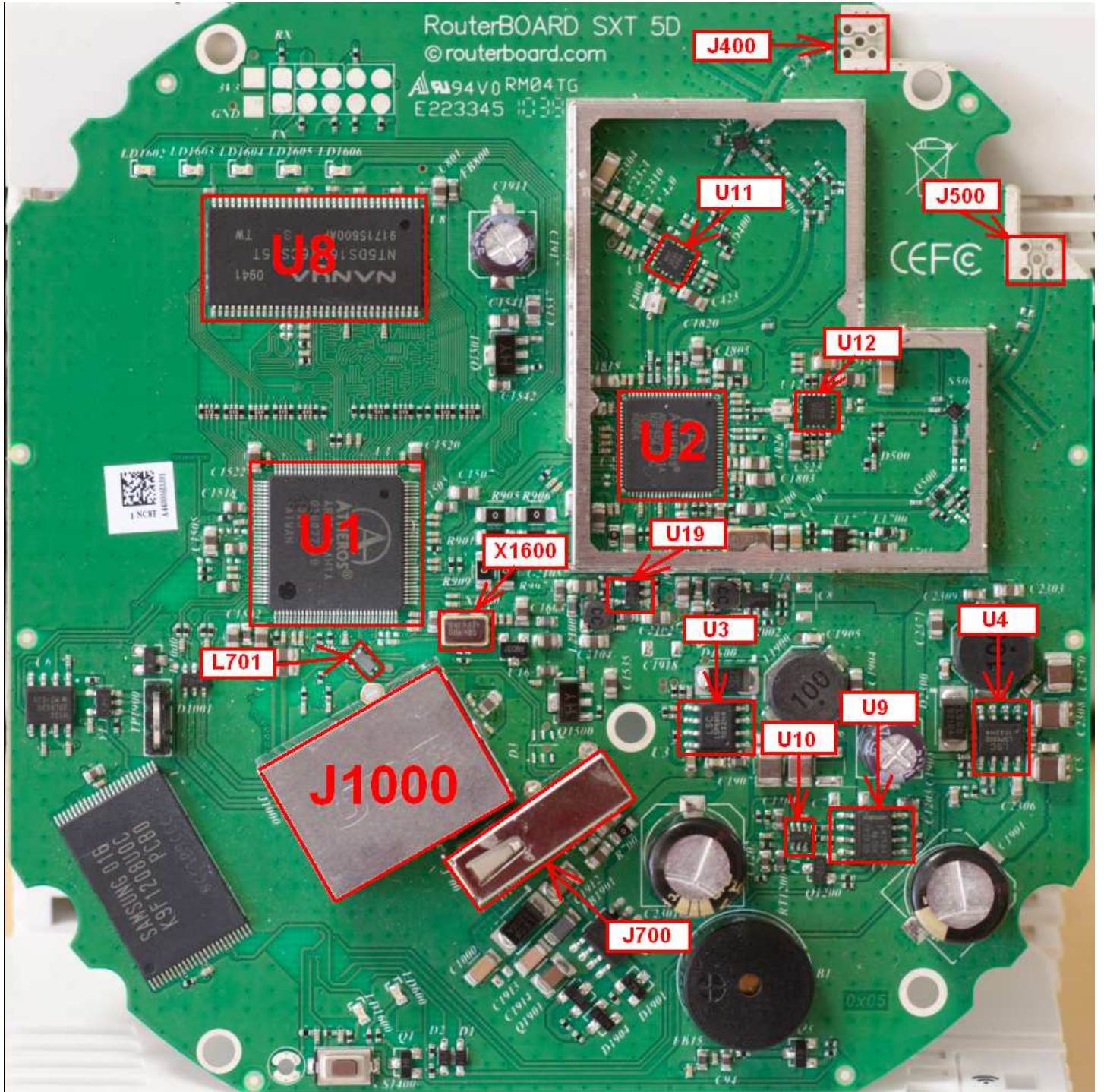
Reference number	Part Number	Manufacturer	Description
D400, D500	SMS7630-079LF	Skyworks Solutions, Inc.	Diode Schottky for radio 50mA Vb=1V Ct=0.3pF SC79
D1001	AOZ8000CIL	Alpha & Omega	IC TVS ARRAY LOW-CAP SOT23-6
D1901	BZX84C10/SOT23-GP	SINYORK CO., LTD.	Diode Zener BZX84C 10V 6% 410mW SOT23
D1903	FM2100/SMA-GP	SINYORK CO., LTD.	Diode Schottky FM2100 Vf=0.85V Vr=100V If=2A SMA
D1904	BZX84-B30,215	NXP Semiconductors	Diode Zener BZX84B 30V 2% 250mW SOT23
FB800, FB1600, FB1900, FB2100, FB2101, FB2300	PBY160808T-331Y-N	Yageo Corporation	Ferrite Chip Bead, 0603, 330 Ohm, 2A, SMD
FB1901	PBY321611T-800Y-N	Yageo Corporation	FERRITE 3A 80 OHM 1206 SMD
J400, J500	DS3.650.248	Dashing Com-Tek Co	MMCX adaptor DS3.650.248
J700	205F-DAN0-R	Attend Technology Inc.	USB connector type A
J1000	ARA-1DBK-GB115-B	Super Link Electronics Co, Ltd	RJ45 with 10/100 transformer, with direct PoE lines, w/o LEDs
Q400, Q500	BFR740L3RHE6327	Infineon Technologies Taiwan Co Ltd	SiGe Heterostructure Bipolar Transistor, DC-6GHz
Q1200	2N7002,215	NXP Semiconductors	TRENCH MOSFET, SOT23
Q1500, Q1501	KTA1663-Y-RTF/P	KEC Corporation, LTD	PNP transistor Ic= -1.5A, Vce= -30V, SOT-89, RoHS
Q1900	AO4441	Alpha & Omega	P-Ch MOSFET -60V -4A 100mOhm SO-8
Q1901	BC856B,215	NXP Semiconductors	Small Sign PNP 250mW SOT-23 Transistor
L701	WCM-2012-900T	King Core Electronic Inc	USB 2.0 EMI Filter, ACM2012
S400, S500	GW2163	Qwave Technology Co.	GaAs MMIC SPDT Switch,2.4GHz&6GHz, 2.5-5.3V
U1	AR7242-AH1A	Atheros Technology Ltd.	SOC RGMII USB2 support
U2	AR9280-AL1A	Atheros Technology Ltd.	802.11n 2.4/5GHz 2x2 MIMO MAC,BB,Radio WLAN IC, PCIe
U3, U4	LSP5502SAC	Lite-On Semiconductor corporation	DC-DC Step-down converter 4.5-30V input 2A output, SO8
U8	NT5DS16M16CS-5T	NANYA TECHNOLOGY CORPORATION	DDR SDRAM 256Mbit DDR400 16M x 16bit TSOP-66
U9	LM258ADT	STMICROELECTRONICS A. P .	IC DUAL OP AMP 8-SOIC
U10	SN74LVC1G3157DCKR	Texas Instruments	IC SWITCH SPDT SC70-6
U11, U12	LX5530LQ-TR	Microsemi Corporate	InGaP HBT 4.5-6.0 GHz Power Amplifier
U19	RT8025GJ5	Richtek Technology Corporation	1.25MHz, 400mA (works with 600mA load). PWM Step-Down DC/DC converter TSOT-23-5
X1600	FD4000130	SaRonix-eCERA Corporation	Crystal Oscillator 40MHz 10ppm 1.8V 15pF -20+75 5x3.2

When you order components for repairing router boards from our sales, please, write components reference number not a part number

RBSXT 5HnDr5 Reference picture



RBSXT 5HnDr5 Reference picture



RBSXT 5HnDr5 Output Voltage picture

