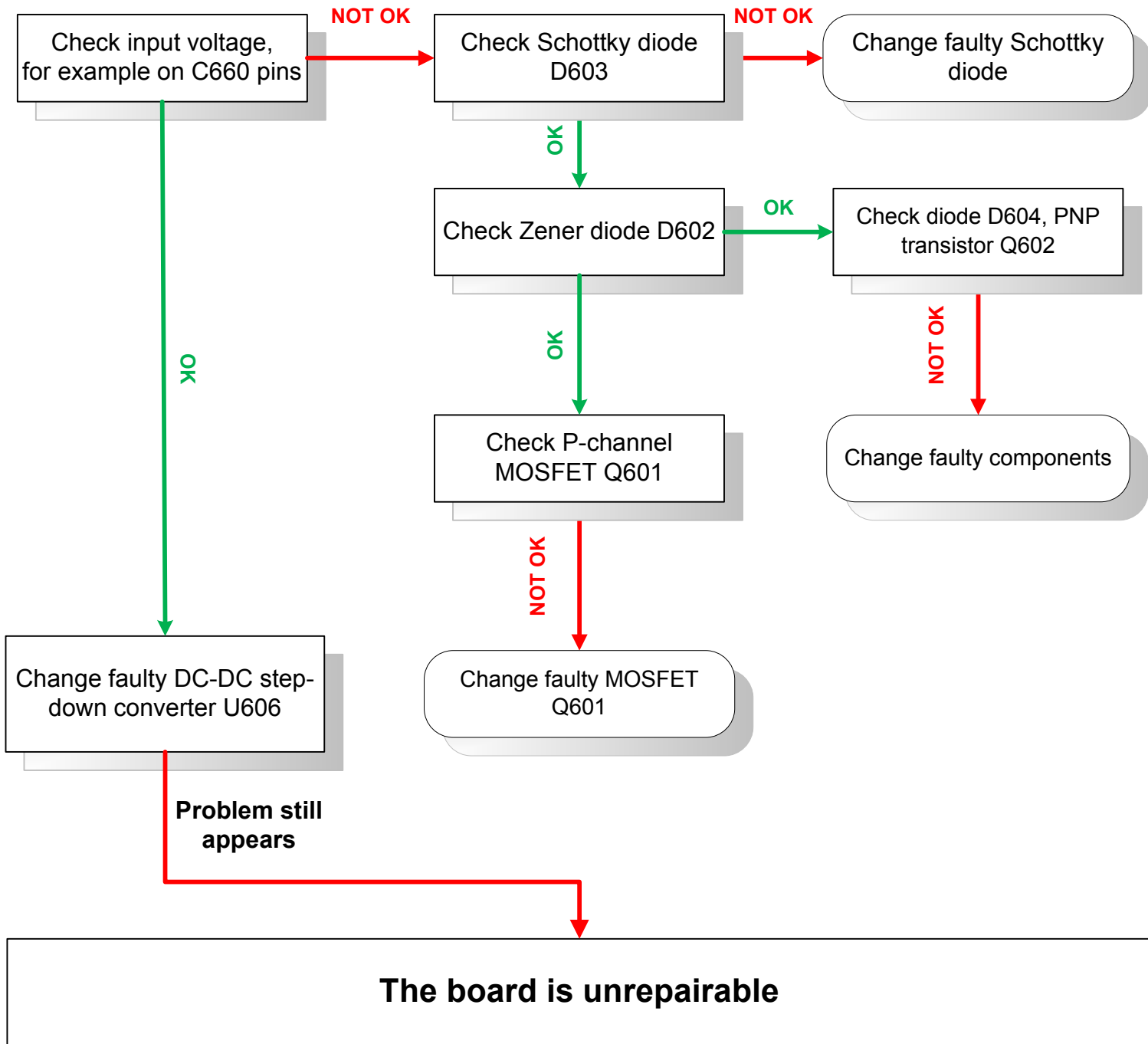


TroubleShooting for RB711-5Hn-U (u.FLr2)

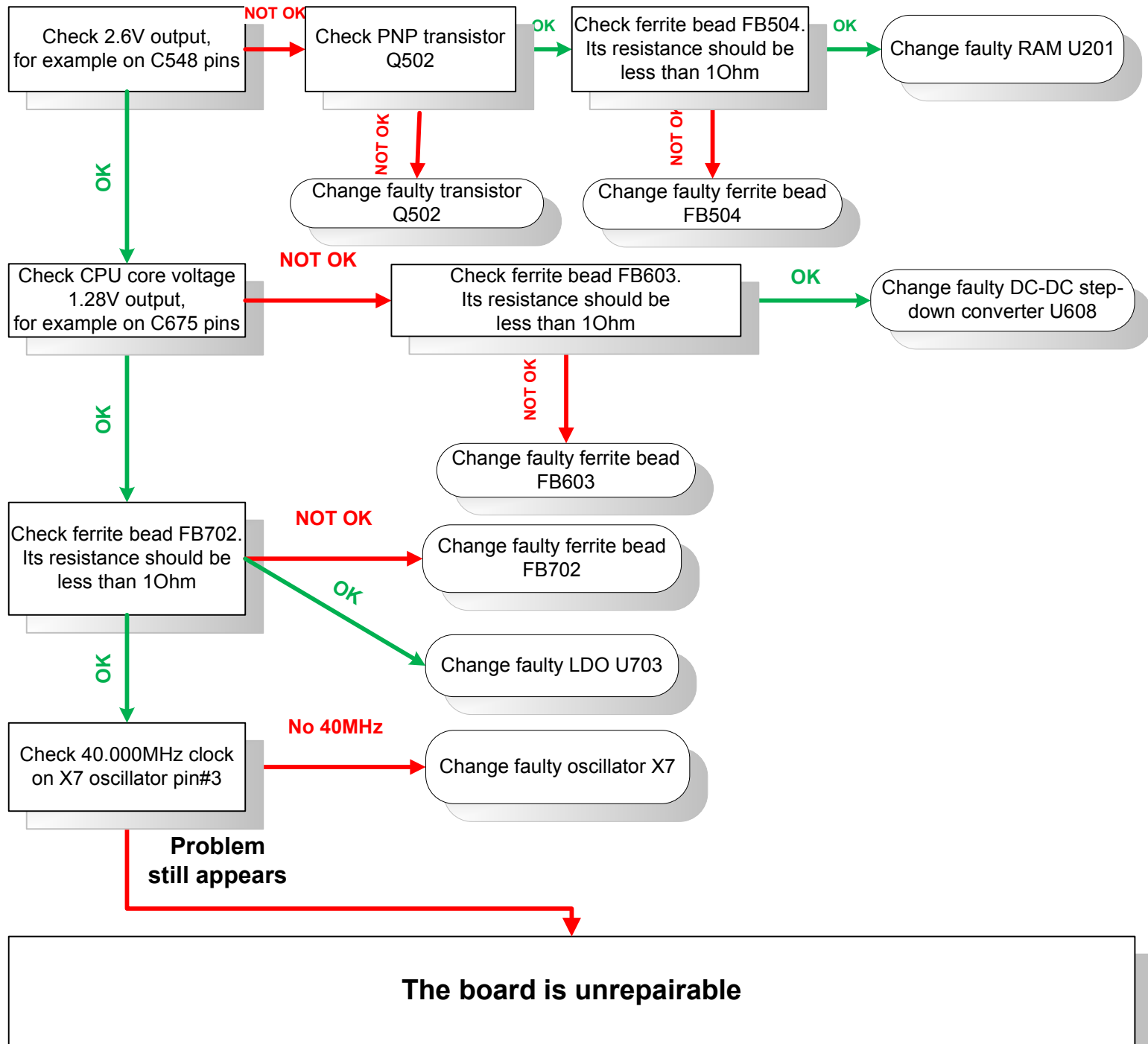
These repair instructions are for **NON WARRANTY** repairs only!

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

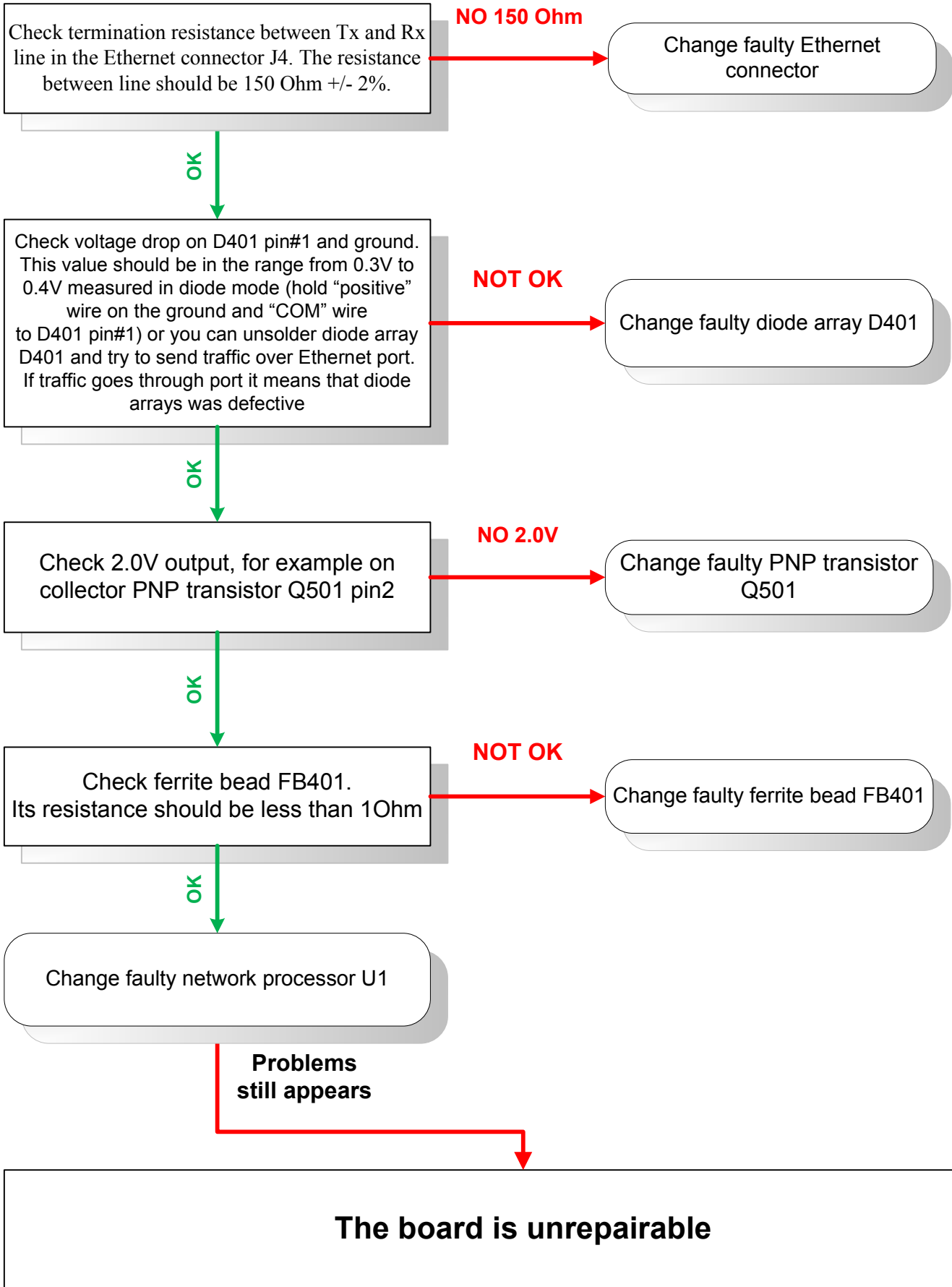
No power, blue LED is not lit



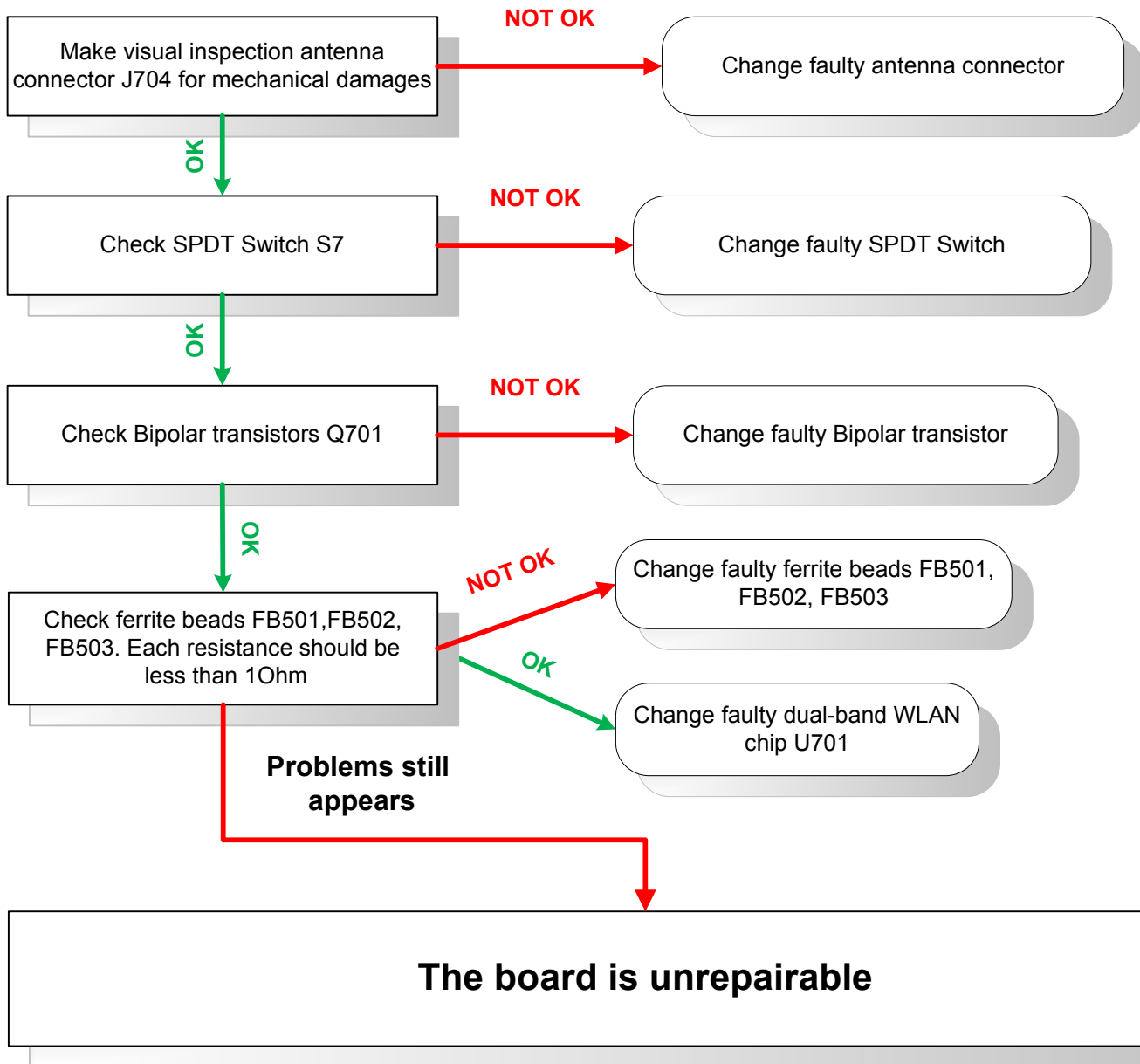
RB does not boot, green and blue LEDs are lit



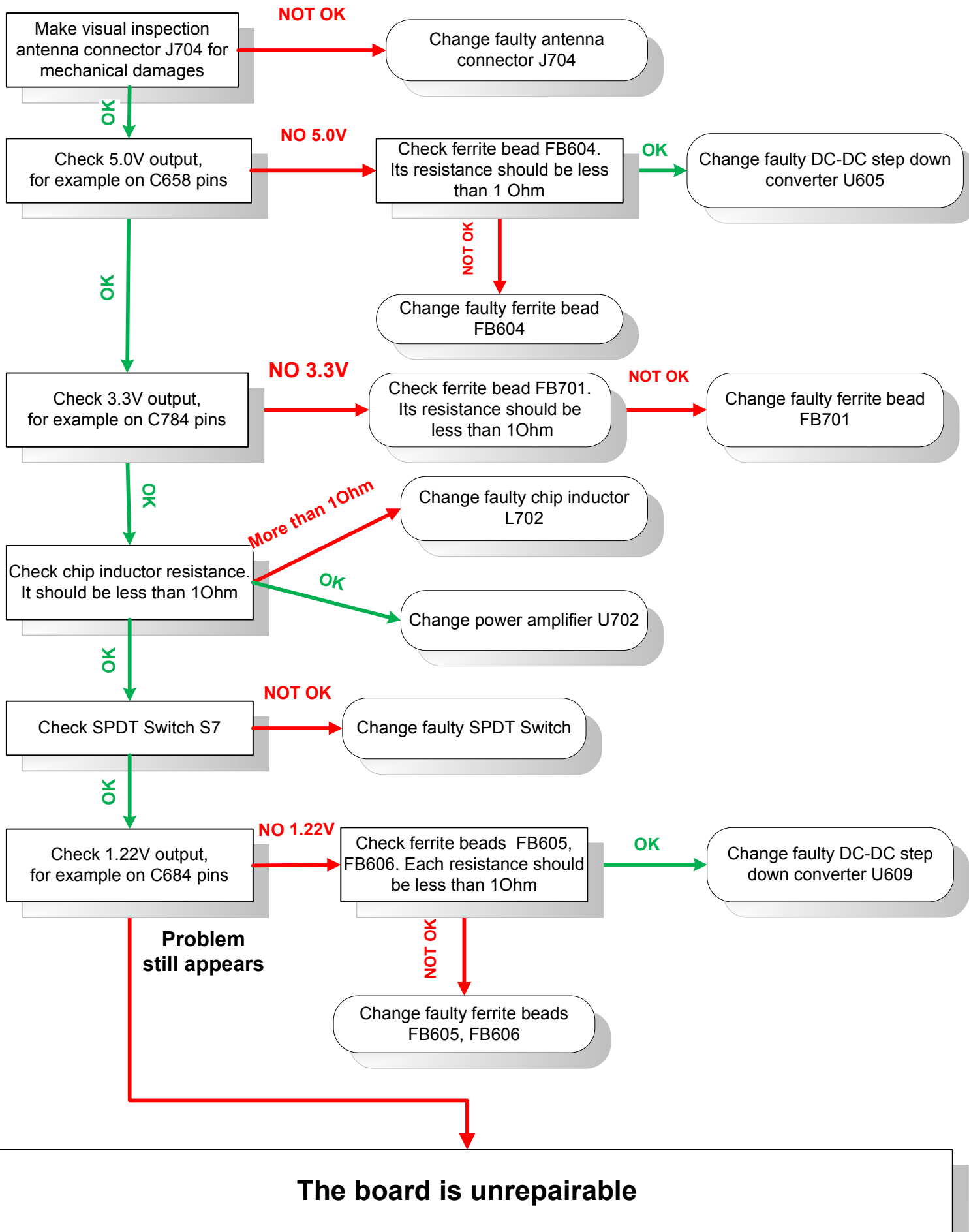
Ethernet does not work, drops ping packets



Receive does not work



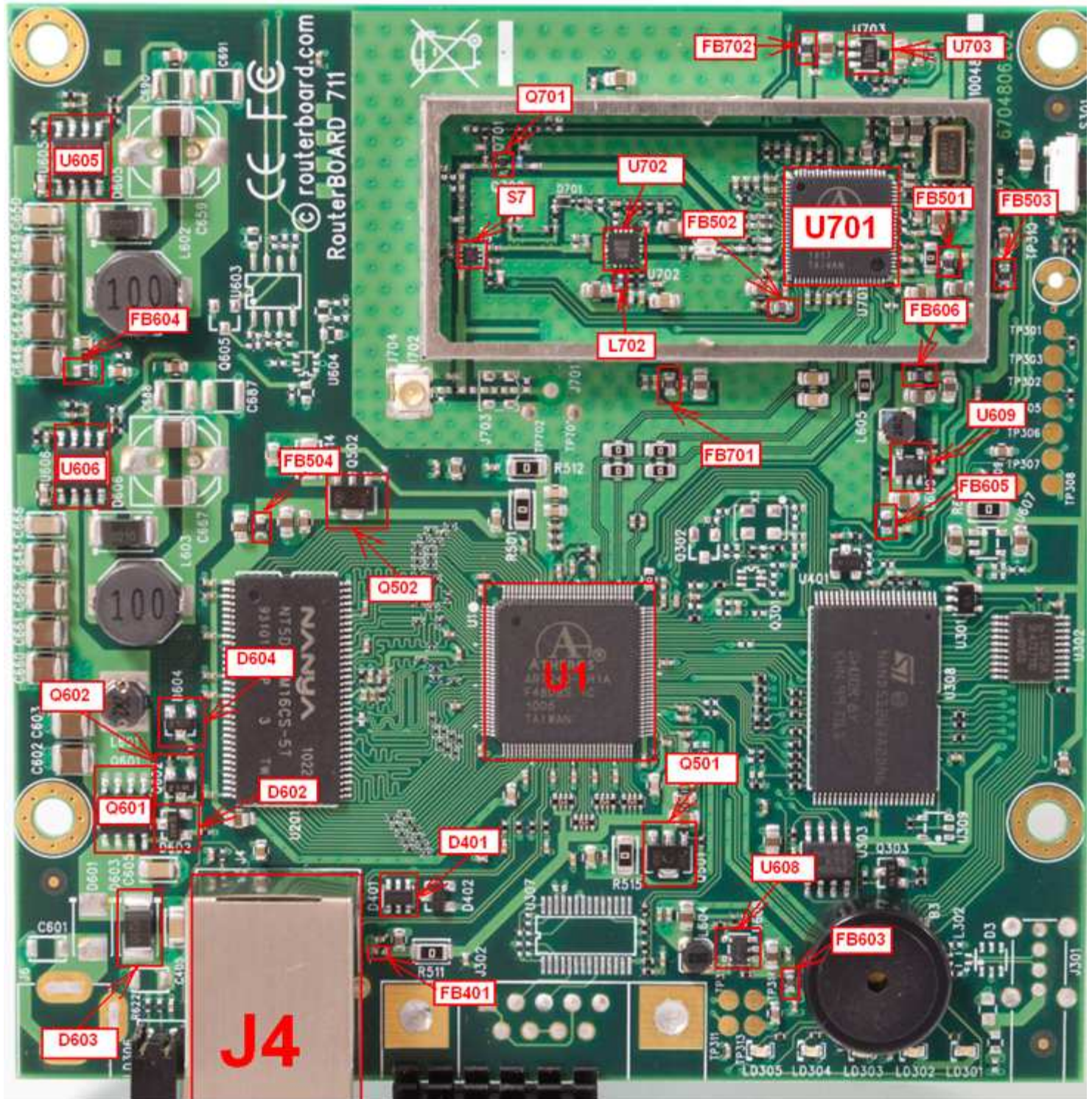
Transmit does not work



Reference number	Part Number	Manufacturer	Description
D401	AOZ8000CIL	Alpha & Omega	IC TVS ARRAY LOW-CAP SOT23-6
D602	BZX84C10/SOT23-GP	SINYORK CO., LTD.	Diode Zener BZX84C 10V 6% 410mW SOT23
D603	FM2100/SMA-GP	SINYORK CO., LTD.	Diode Schottky FM2100 Vf=0.85V Vr=100V If=2A SMA
D604	BZX84-B30,215	NXP Semiconductors	Diode Zener BZX84B 30V 2% 250mW SOT23
FB401	BLM15AG121SN1D	Murata manufacturing Co.	Ferr Chip Beads 120 Om 500mA, 0402, FB120
FB501, FB502, FB503, FB504, FB701, FB702	BLM18EG221SN1D	Murata manufacturing Co.	Ferr Bead 220 Ohm, 2A, 0603
FB603, FB605, FB606	BLM18PG331SN1D	Murata manufacturing Co.	Ferr Chip Beads 330 Om 1200mA, 0603
J4	RTF-113BAH3A	U.D. Electronic Corp.	RJ45 10/100MHz magn LEDs and direct POE output
J704	AM4-1000-000-3	Super Link Electronics Co., Ltd.	Micro Coaxial Connector UFL, surface mount
Q501, Q502	KTA1663-Y-RTF/P	KEC Corporation, LTD	PNP transistor Ic= -1.5A, Vce= -30V, SOT-89
Q601	AO4441	Alpha & Omega	P-Ch MOSFET -60V -4A 100mOhm SO-8
Q602	BC856B,215	Philips AG	Small Sign PNP 250mW SOT-23 Transistor
Q701	BFR740L3RHE6327	Infineon Technologies Taiwan Co Ltd	SiGe Heterostructure Bipolar Transistor, DC-6GHz
L702	KHF0402H3N3SA	Bao Cheng Electronics Co.,Ltd.,	Chip Inductor 3.3nH ±0.3nH 390mA 0402
S7	GW2163	Qwave Technology Co., Ltd.	GaAs MMIC SPDT Switch,2.4GHz&6GHz, 2.5-5.3V
U1	AR7240-AH1A	Atheros Technology Ltd.	Network processor 400MHz, DDR1/2, USB, PCI-E, 5x 10/100 PHY LQFP128-EP
U201	NT5DS16M16CS-5T	NANYA TECHNOLOGY CORPORATION	DDR SDRAM 256Mbit DDR400 16M x 16bit TSOP-66
U605, U606	LSP5502SAC	Lite-On Semiconductor corporation	DC-DC Step-down converter 4.5-30V input 2A output, SO8
U608, U609	RT8025GJ5	Richtek Technology Corporation	1.25MHz, 400mA (works with higher load). PWM Step-Down DC/DC converter TSOT-23-5
U701	AR9280-AL1A	Atheros Technology Ltd.	802.11n 2.4/5GHz 2x2 MIMO MAC,BB,Radio WLAN IC, PCIe
U702	LX5530LQ-TR	Microsemi Corporate	InGaP HBT 4.5-6.0 GHz Power Amplifier
U703	APU1205Y5-HF	Advanced Power Electronics Corp.	0.3A, ADJ LDO, SOT23-5
X7	NAOH40.000-G18C-CK3	Atheros Technology Ltd.	SMD OSC 40MHZ 1.8V 10ppm at 25C, 10ppm(-20~+70c

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

Reference picture



RB711-5Hn-U

Output Voltage picture

