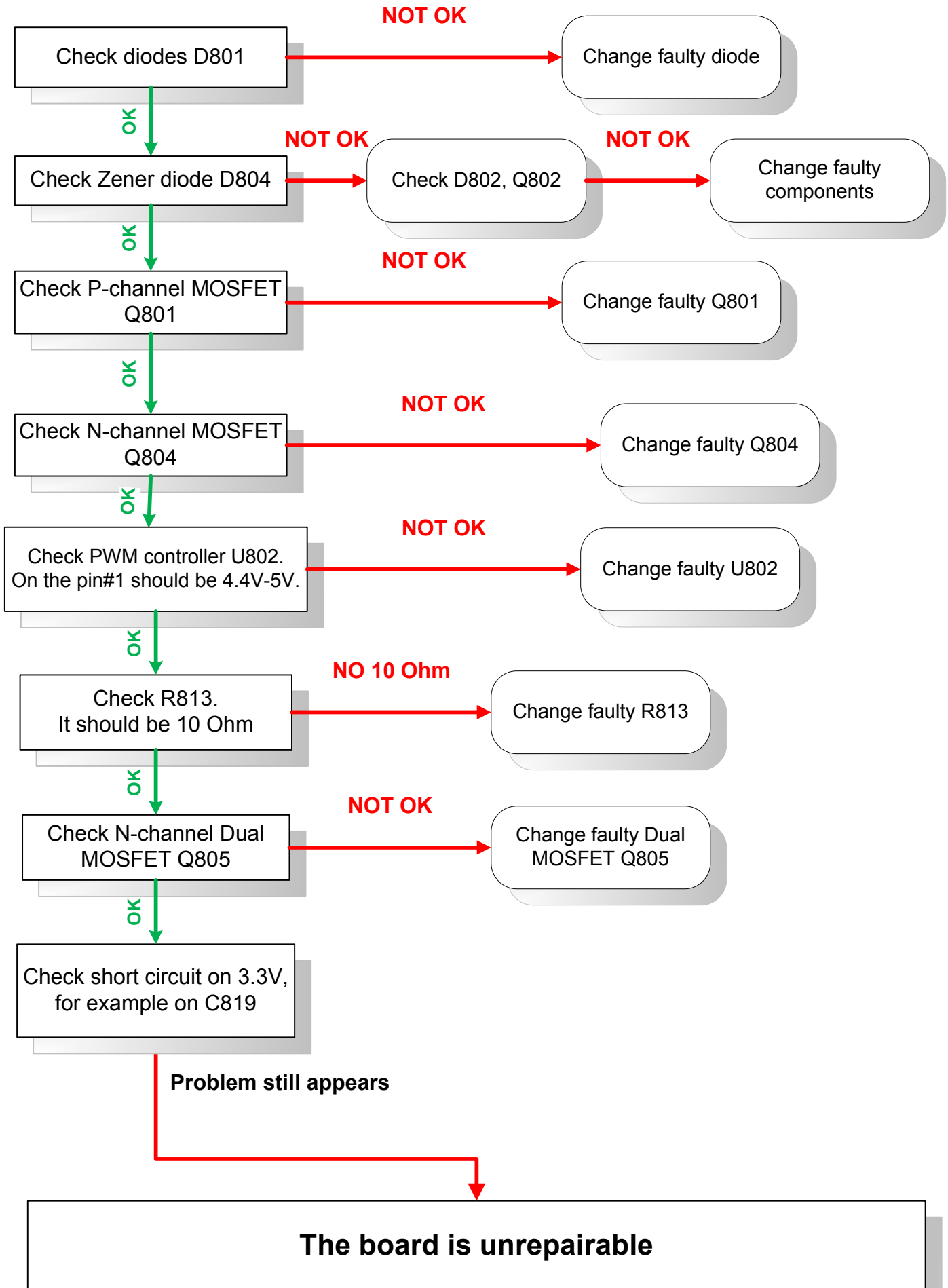
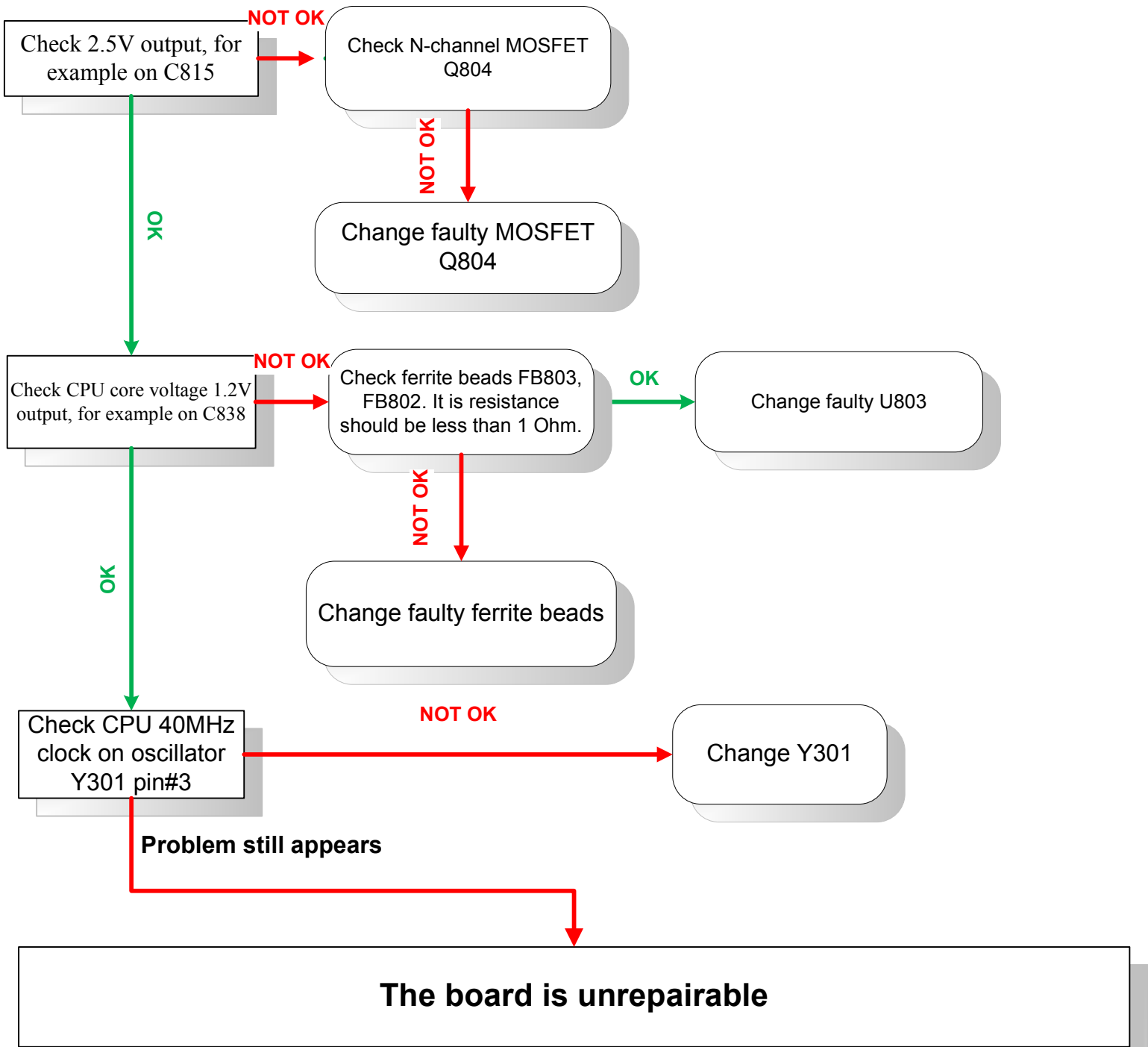


TroubleShooting for RB411r3v1

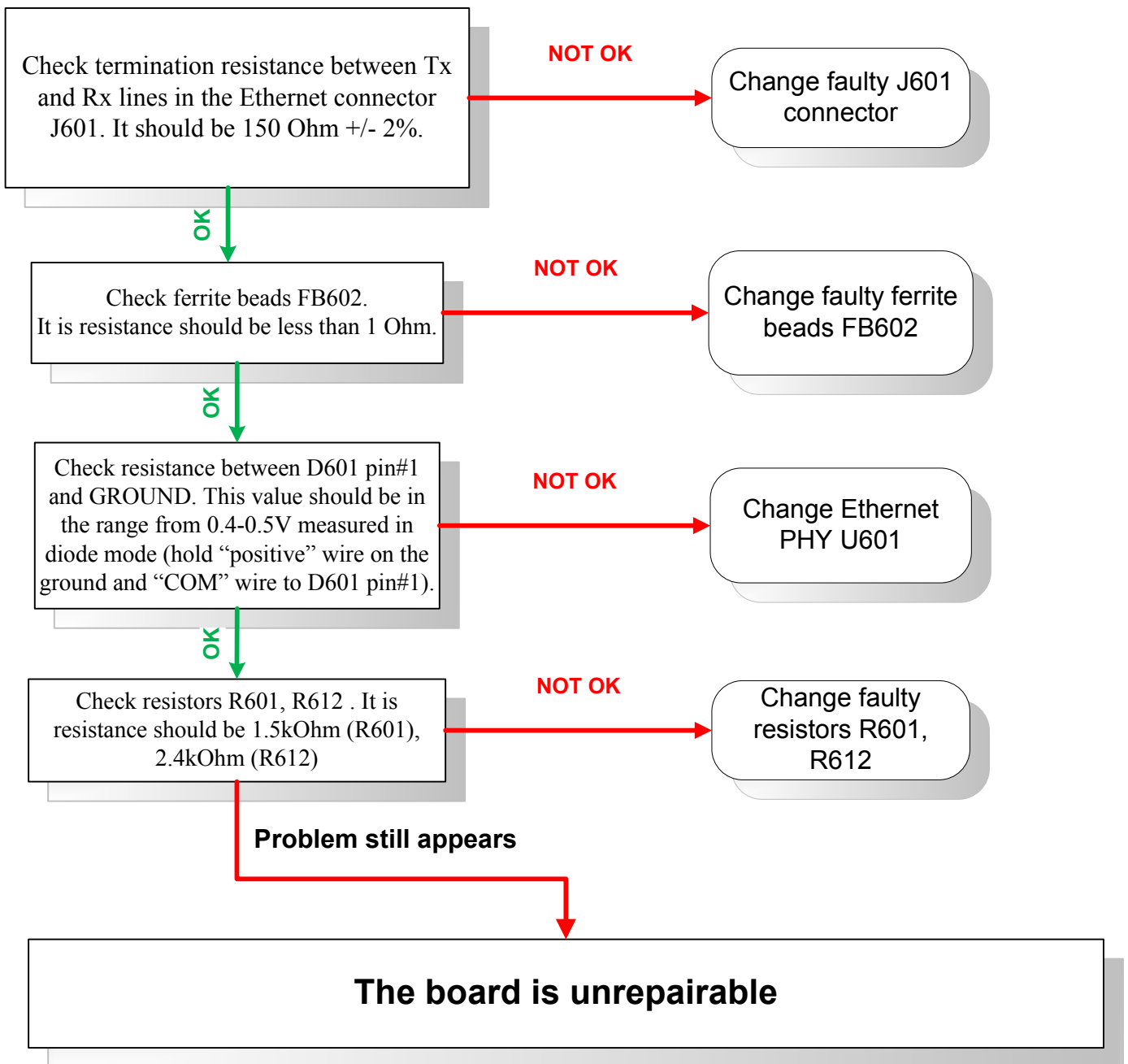
No power, blue LED doesn't shine



Doesn't boot, green and blue LED's is shine



Ethernet doesn't work



Reference number	Part Number	Manufacturer	Description
D801	FM2100/SMA-GP	SINYORK CO., LTD.	Diode FM2100, SMA
D802	BZX84C10/SOT23-GP	SINYORK CO., LTD.	Zener Diode BZX84C10 SOT23
D804	BZX84-B27	NXP Semiconductors	27V+/-2%, 0.35W, SOT23-A
FB602	BLM15AG121SN1D	Murata manufacturing Co.	Ferr Chip Beads 120 Ohm 500mA, 0402
FB802	BLM18PG331SN1D	Murata manufacturing Co.	Ferr Chip Beads 330 Ohm 1200mA, 0603
FB803	RC0603JR-070RL	Yageo Corporation	Resistor 5%, 00OHM 1/10W, 200ppm, 0603
J601	RTF-113BAH3A	U.D. Electronic Corp.	RJ45 10/100MHz magn LEDs and direct POE output
R601, R612	MCR01MZPF2401	ROHM CO., LTD.	Resistor R2.4K, 1%, 1/16W, 50V, 100ppm, 0402
R813	ERJ-2RKF10R0X	Panasonic	Resistor R10, 1%, 1/16W, 50V, 0402
Q801	AO4441	Alpha & Omega	P-Ch MOSFET -60V -4A 100mOhm SO-8
Q802	BC856B,215	Philips AG	Small Sign PNP 250mW SOT- 23 Transistor
Q804	AP9987GH	Advanced Power Electronics Corp.	N-channel MOSFET, Vds = 80V, Id = 15A, Rds(on) = 90mOhm, DPAK
Q805	AP9960GM	Advanced Power Electronics Corp.	N-channel Dual MOSFETs, Vds = 40V, Id = 7.8A, Rds(on) = 20mOhm, SO-8
U601	AR8012-BG1A	Atheros Technology Ltd.	Fast Ethernet PHY (MII, 48- QFP, F2)
U802	RT9206PS	Richtek Technology Corporation	Power Controller SOP-16
U803	RT8011APQW	Richtek Technology Corporation	DC-DC Step down converter, WDFN-8E, RoHS, Tape&Reel
Y301	NAOD40.000-C3C	NSK Jenjaan Quartek Corporation	40MHz 3.3V Oscillator 30ppm

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

RB411 Reference picture

