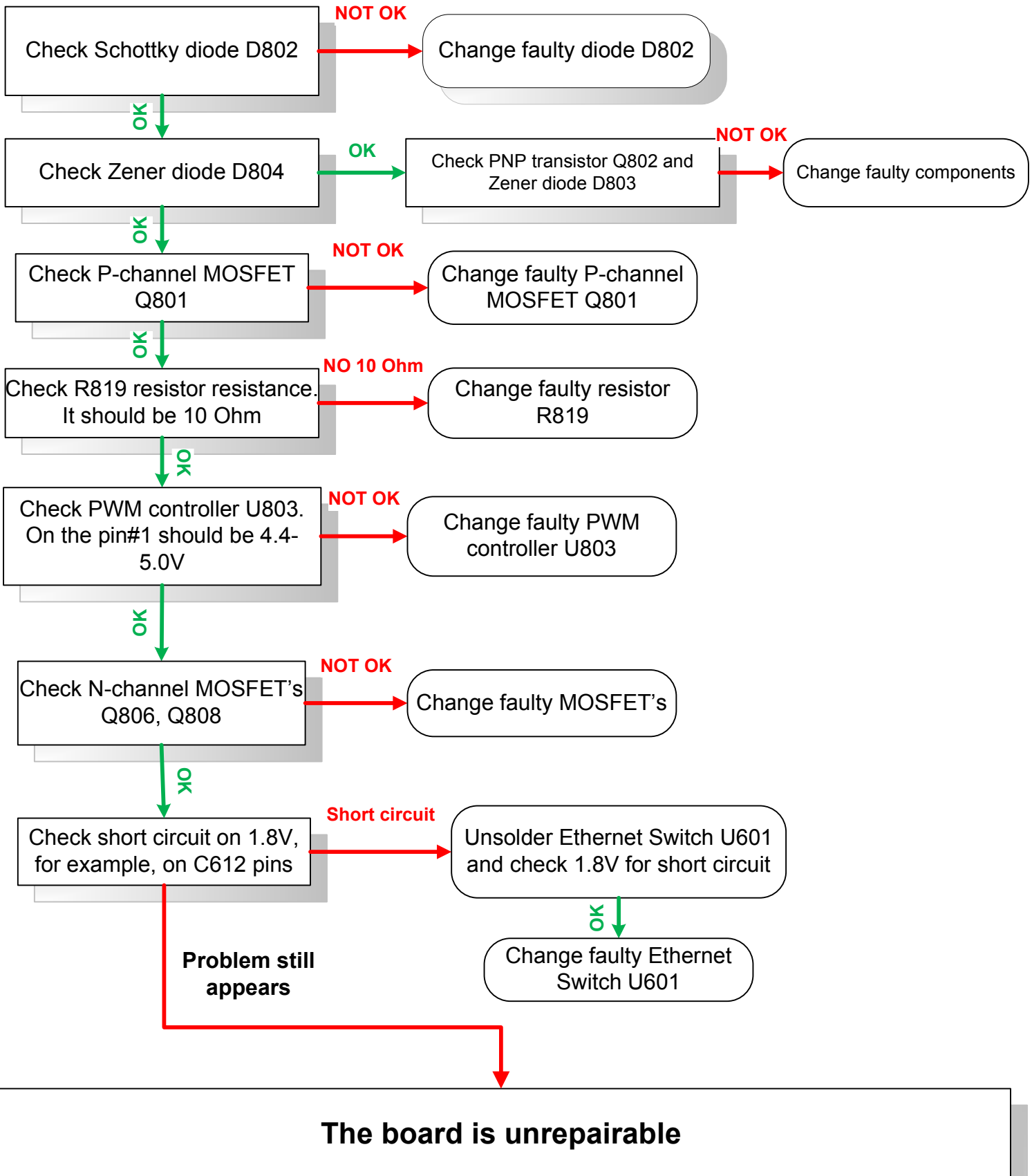


TroubleShooting for RB433r3, RB433Ur2

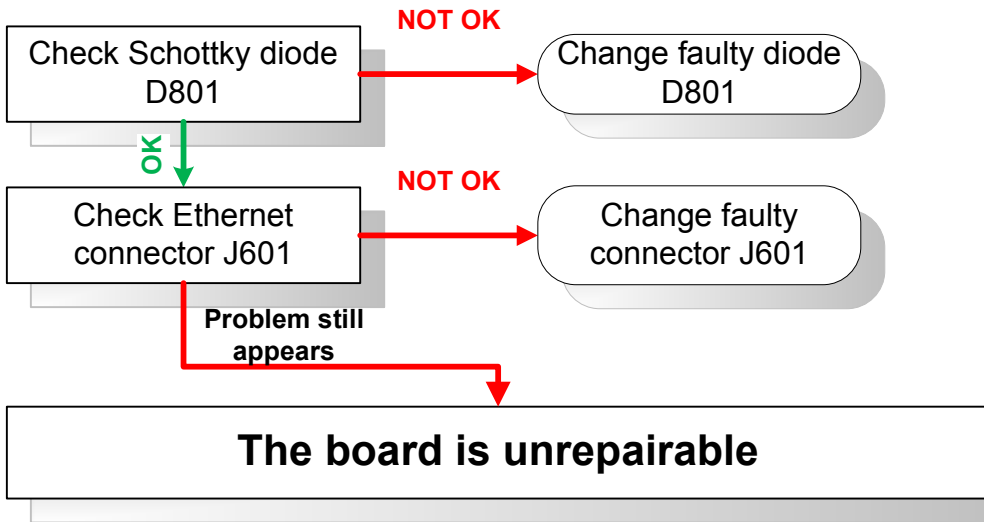
These repair instructions are for **NON WARRANTY** repairs only!

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

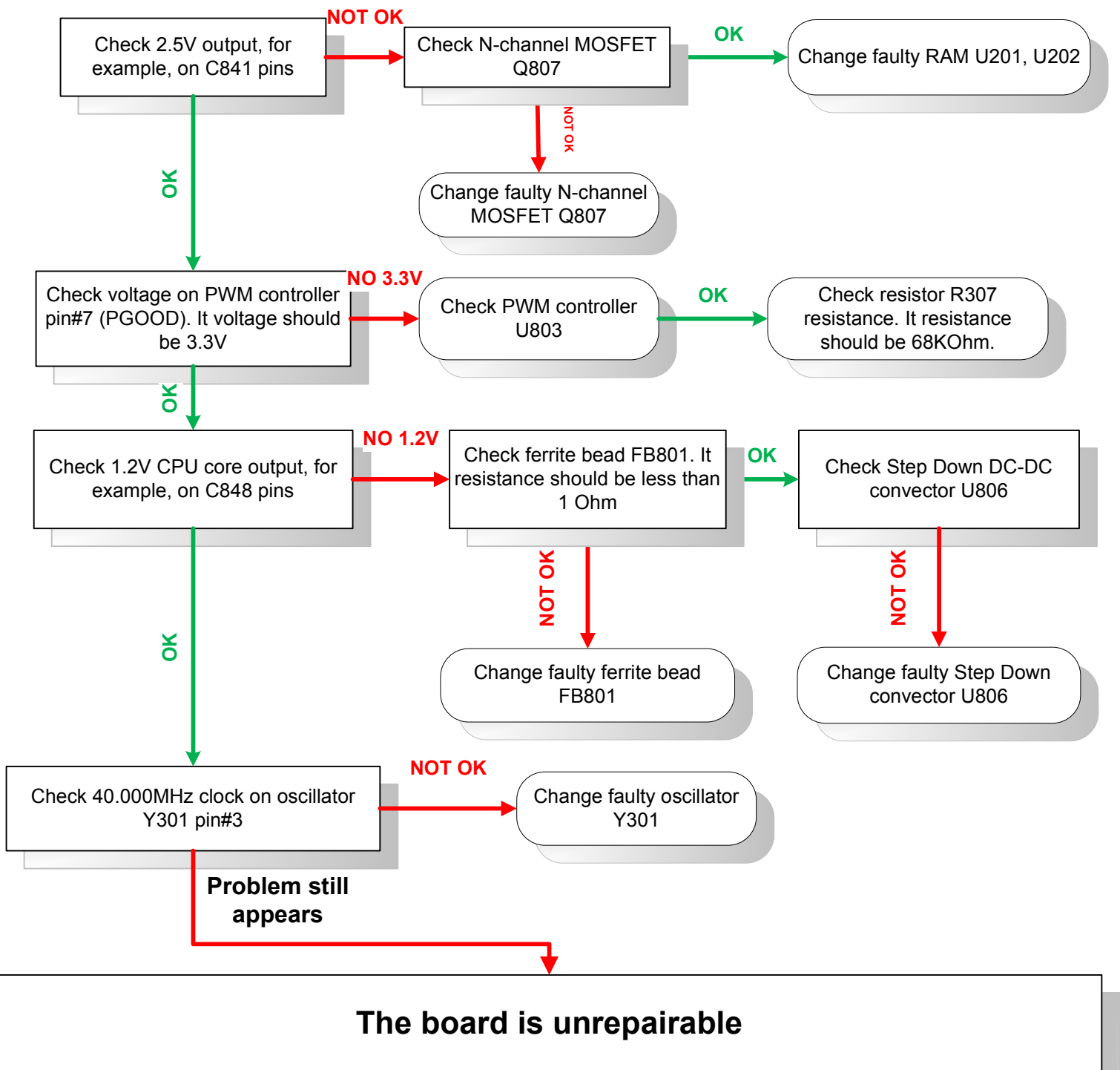
No power, blue LED isn't lit



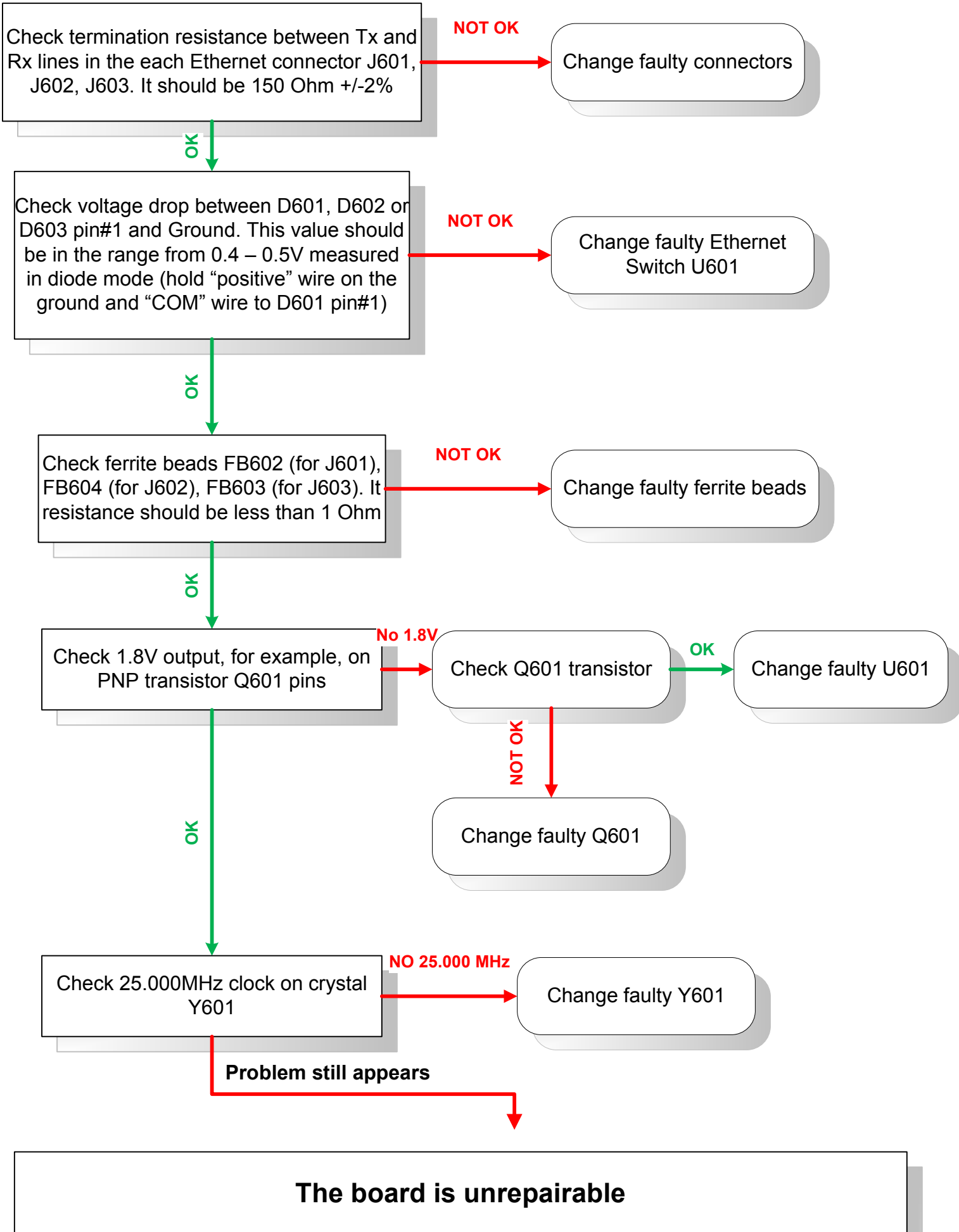
PoE doesn't work



Doesn't boot, green and blue LEDs are lit



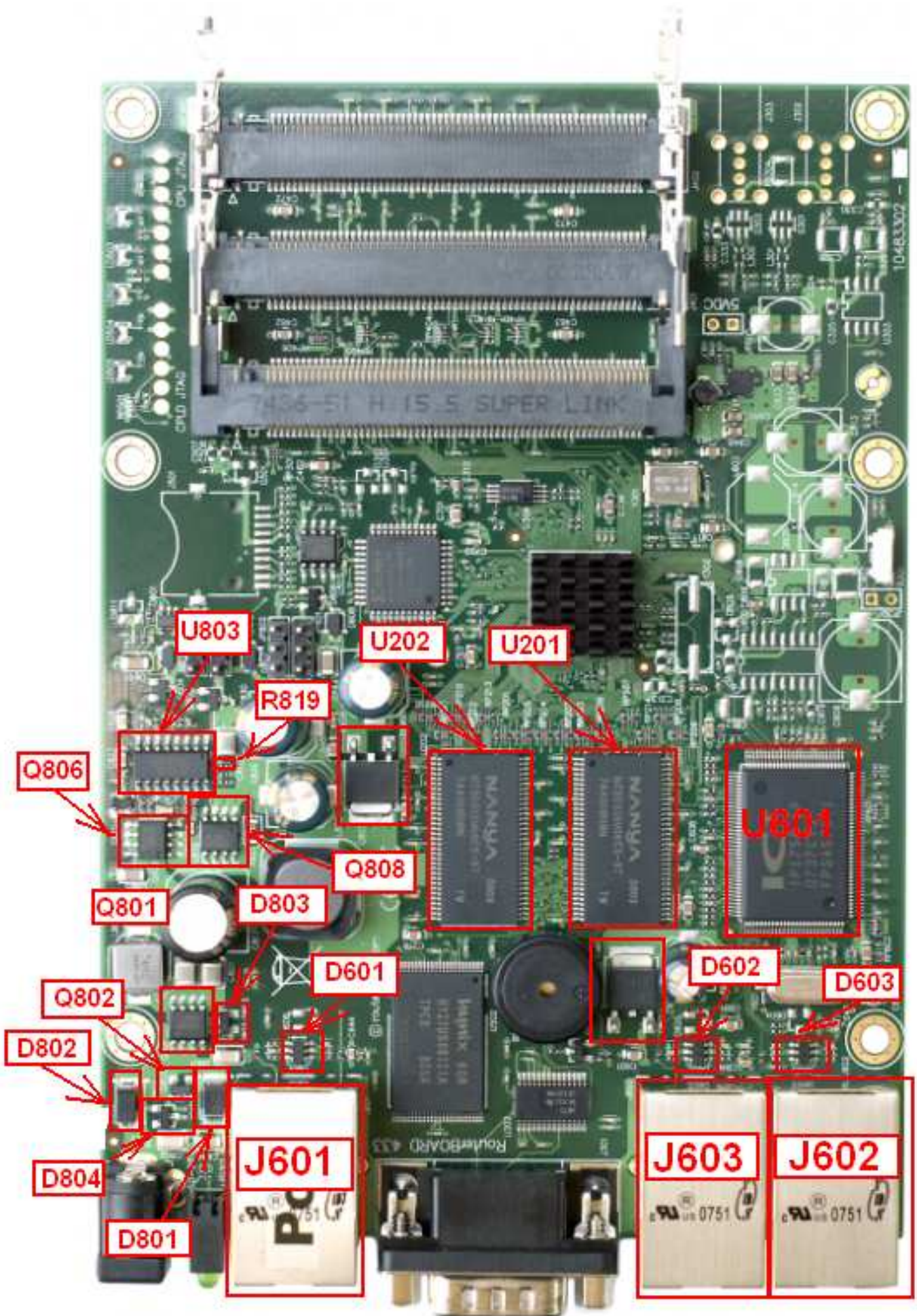
Ethernet doesn't work



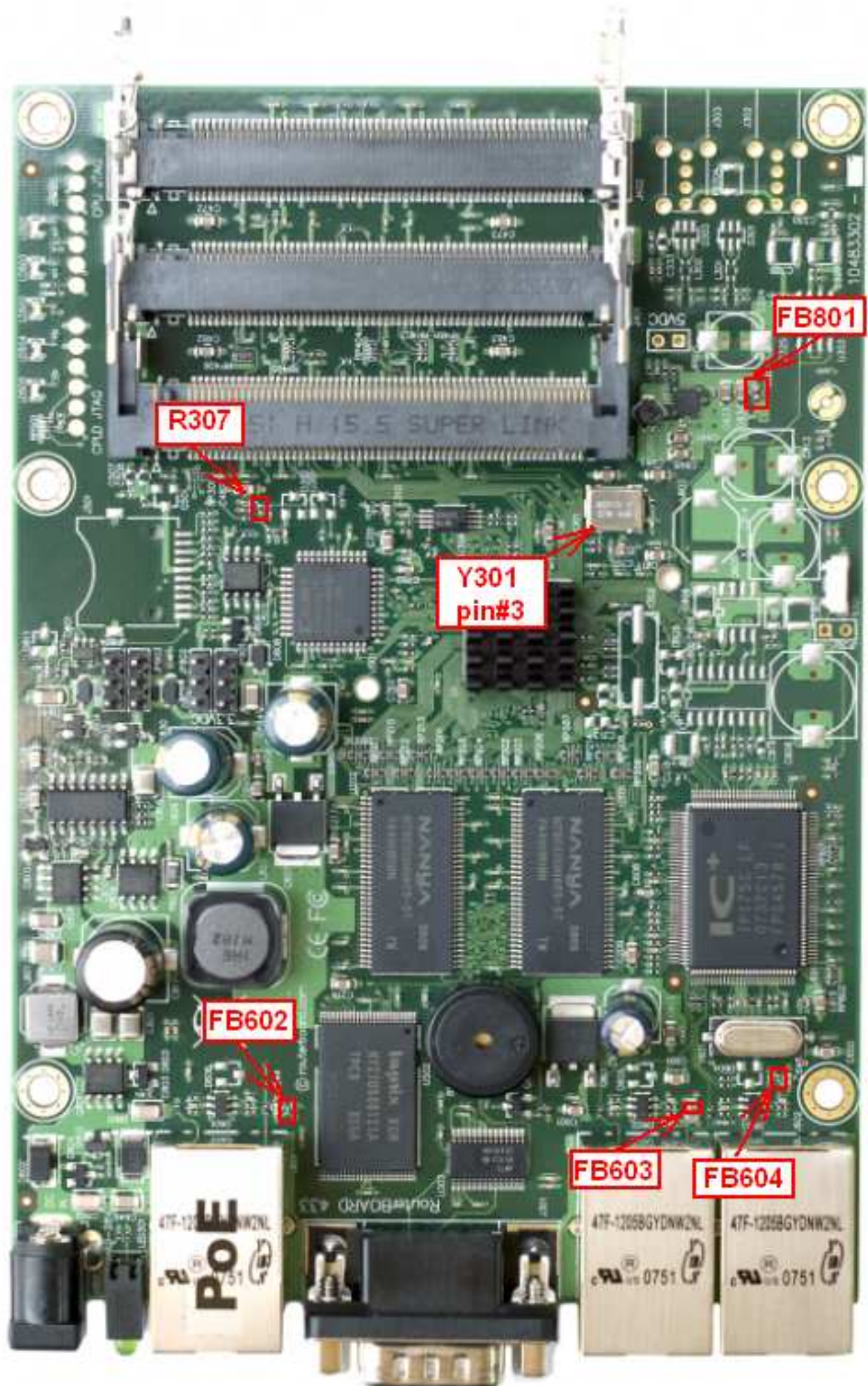
Reference number	Part Number	Manufacturer	Description
D601, D602, D603	AOZ8000CIL	Alpha & Omega	IC TVS ARRAY LOW-CAP SOT23-6
D801, D802	FM2100/SMA-GP	SINYORK CO., LTD.	Diode Schottky FM2100 Vf=0.85V Vr=100V If=2A SMA
D803	BZX84C10/SOT23-GP	SINYORK CO., LTD.	Diode Zener BZX84C 10V 6% 410mW SOT23
D804	BZX84-B27,215	NXP Semiconductors	Diode Zener BZX84B 27V 2% 350mW SOT23
FB602, FB603, FB604	BLM15AG121SN1D	Murata manufacturing Co.	Ferr Chip Beads 120 Ohm 500mA, 0402, FB120
FB801	BLM18PG331SN1D	Murata manufacturing Co.	Ferr Chip Beads 330 Ohm 1200mA, 0603
J601, J602, J603	ARA-1DKK-G565-B	Super Link Electronics Co., Ltd.	RJ45 10/100 with LEDs and direct POE output, pre-soldered shielding pins
Q601	STD888T4	STMICROELECTRONICS	Medium Current, High Performance, Low Voltage PNP Transistor
Q801	AO4441	Alpha & Omega	P-Ch MOSFET -60V -4A 100mOhm SO-8
Q802	BC856B,215	Philips AG	Small Sign PNP 250mW SOT-23 Transistor
Q806, Q808	AO4484	Alpha & Omega	N-Ch MOSFET 40V 10A 10mOhm SO-8
Q807	AOD480	Alpha & Omega	N-Ch MOSFET 30V 25A 23mOhm DPAK
R819	ERJ-2RKF10R0X	Panasonic	Resistor 10R 1% 0402
R307	RC0402FR-0768KL	Yageo Corporation	Resistor 68k 1% 0402
U201, U202	NT5DS16M16CS-5T	NANYA TECHNOLOGY CORPORATION	DDR SDRAM 256Mbit DDR400 16M x 16bit TSOP-66 RoHS
U601 (for RB433r3)	IP175DLF	IC Plus Corp.	5Port 10/100 Ethernet Integrated Switch
U601 (for RB433Ur2)	IP175CLF	IC Plus Corp.	5 Port 10/100 Switch with MII
U803	RT9206PS	Richtek Technology Corporation	Power Controller SOP-16
U806	RT8010APQW	Richtek Technology Corporation	High Efficiency PWM Step-Down DC/DC Converter
Y301	NAOD40.000-C3C	NSK Jenjaan Quartek Corporation	40MHz 3.3V Oscillator 30ppm
Y601	NXE25.000AC20F-AHF	NSK Jenjaan Quartek Corporation	25Mhz Crystal

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

RB433r3 Reference picture



RB433r3 Reference picture



RB433r3 Output Voltage picture

