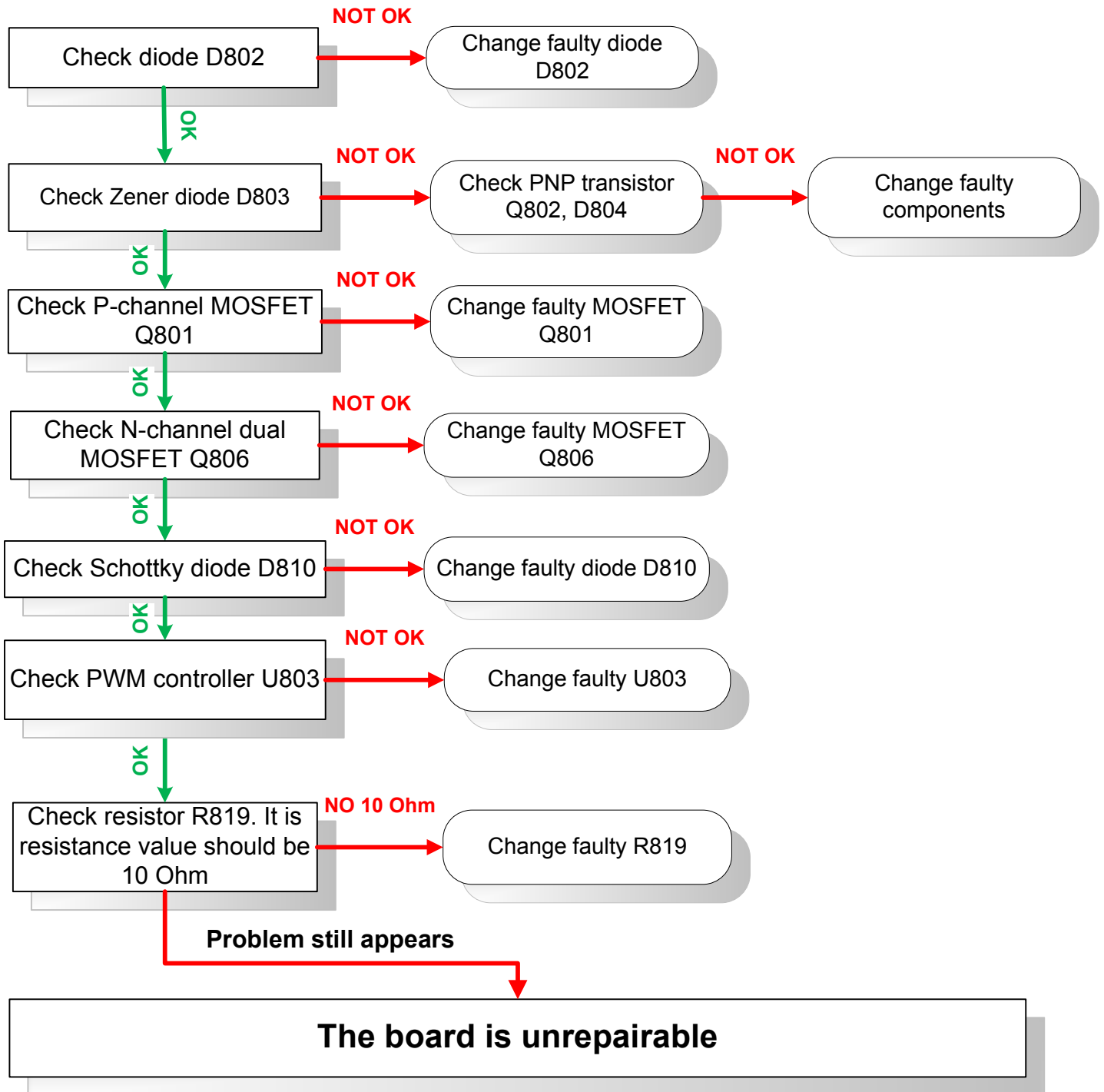
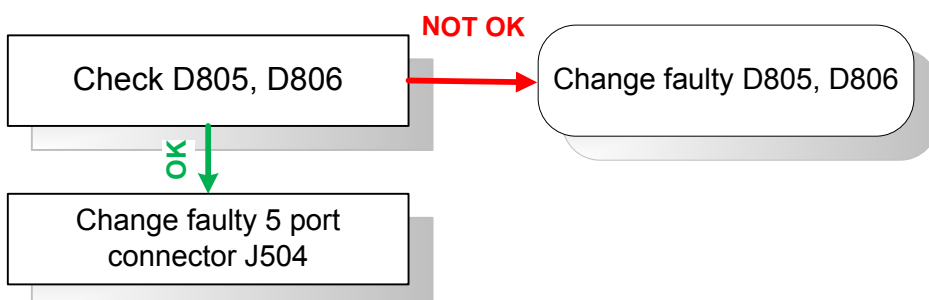


TroubleShooting for RB750Gr2

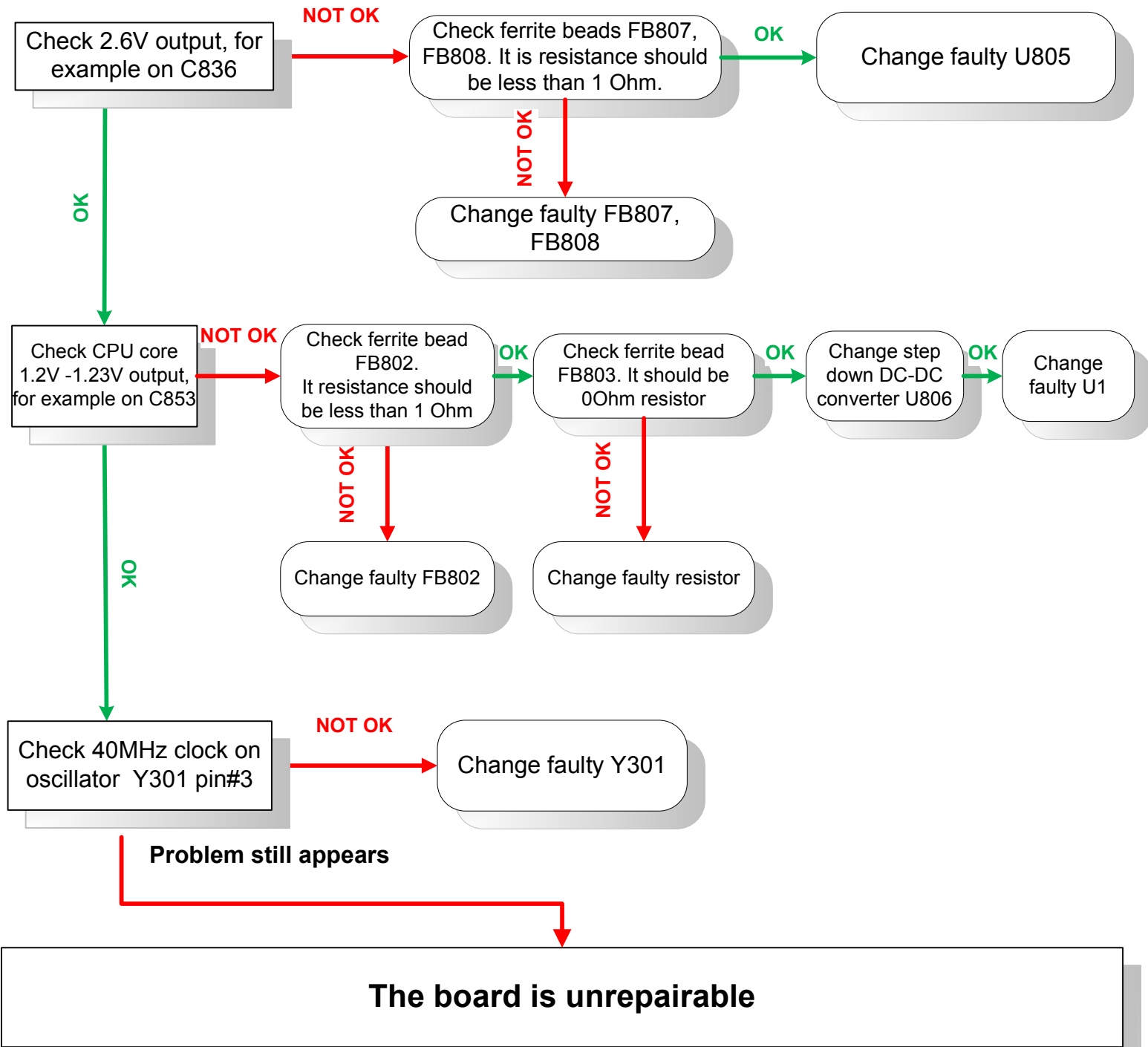
No power, power LED doesn't shine



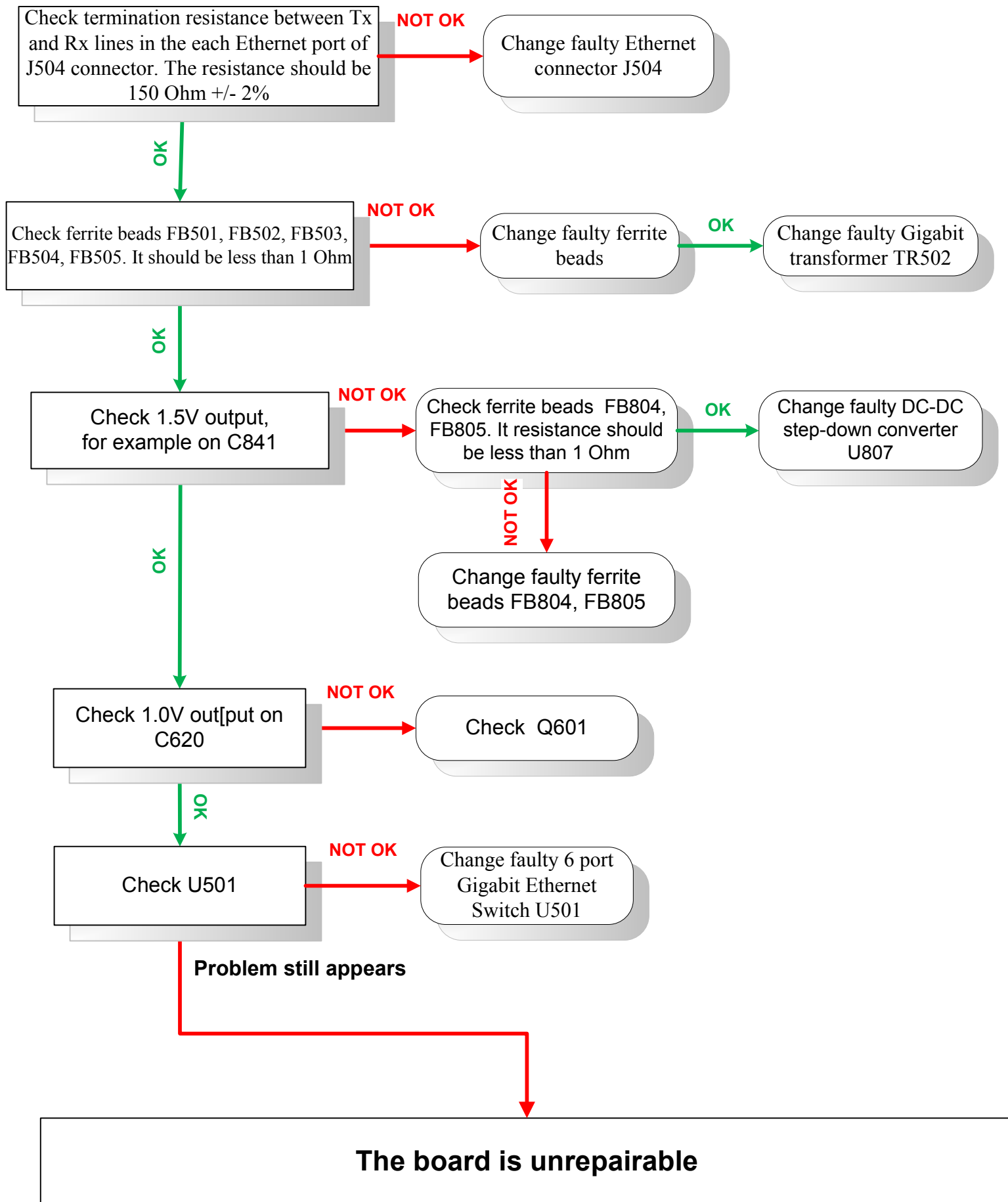
PoE doesn't work



Doesn't boot, all Ethernet LEDs are shining



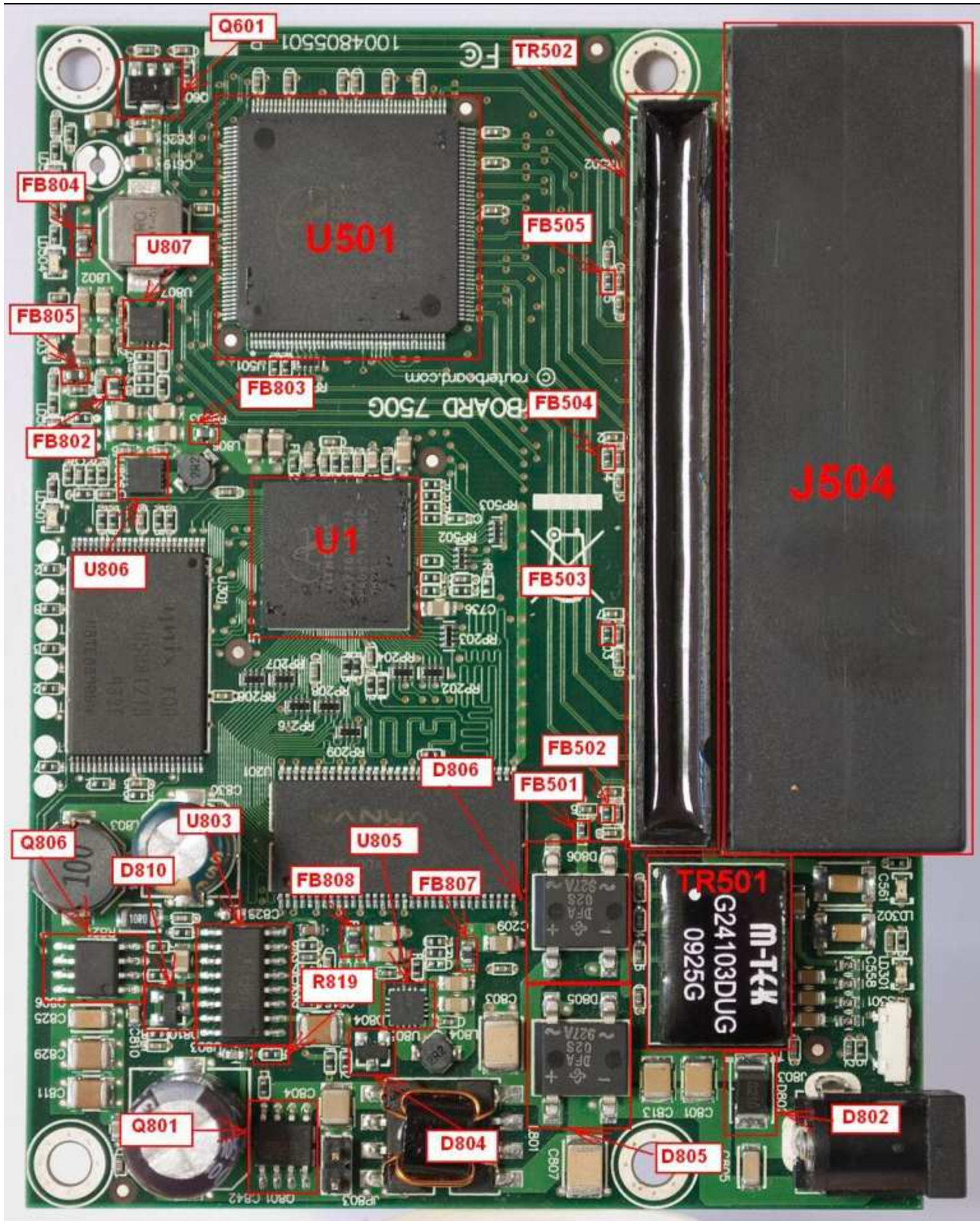
Ethernet doesn't work, drop packets



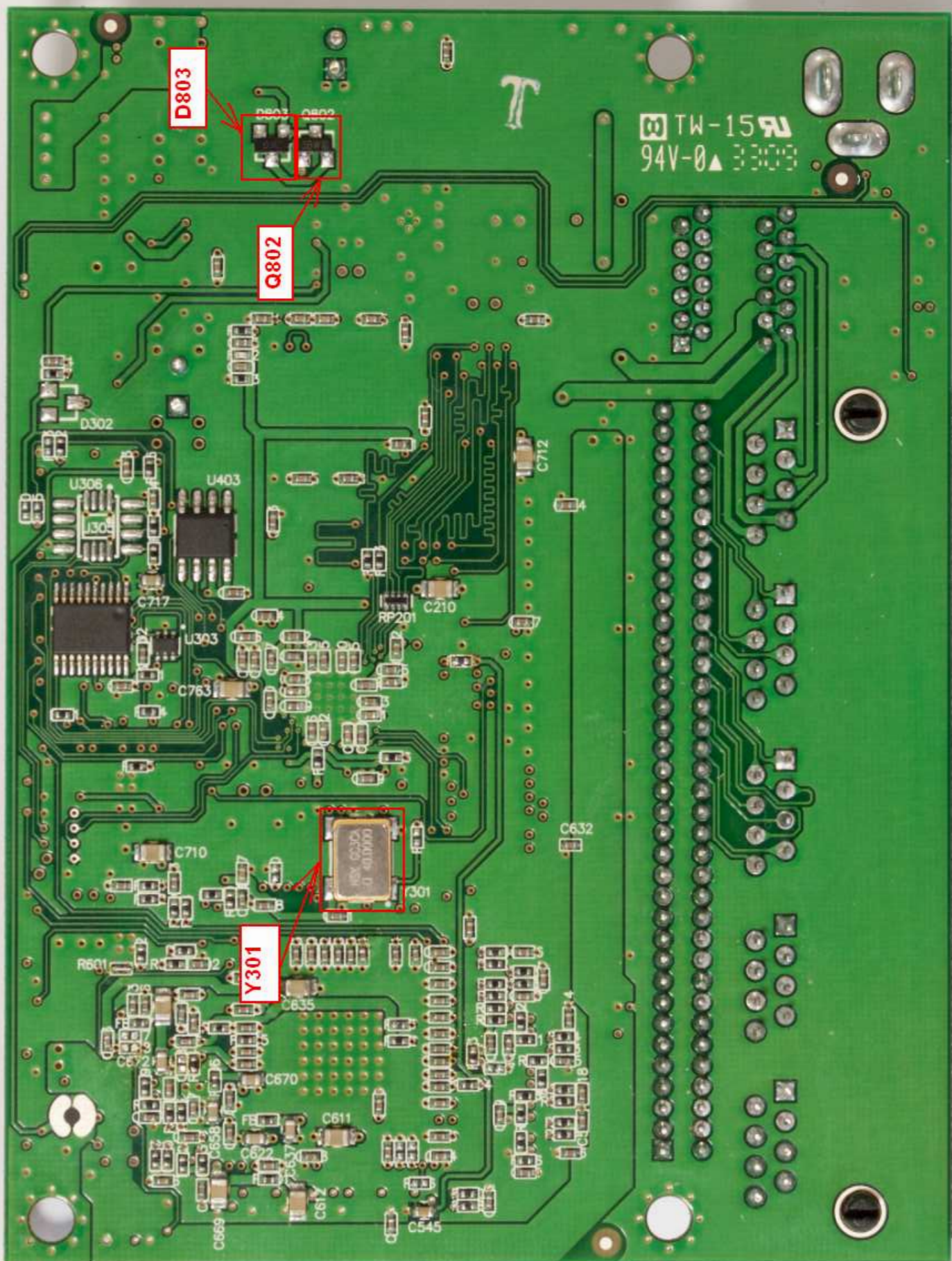
Reference number	Part Number	Manufacturer	Description
D802	FM2100/SMA-GP	SINYORK CO., LTD.	Diode FM2100, SMA
D803	BZX84C10/SOT23-GP	SINYORK CO., LTD.	Zener Diode BZX84C10 SOT23
D804	BZX84-B27,215	NXP Semiconductors	BZX84-B27, SOT23-A, 27V+/-2%, 0.35W
D805, D806	DF02SA-E3/77	Vishay Intertechnology, Inc.	Bridge Rectifier, 1A 200V, DFS
D810	BAS40-06-V-GS08	Vishay Intertechnology, Inc.	DIODE SCHTKY CA 40V 350MW SOT23
FB501-FB505	BLM15AG121SN1D	Murata manufacturing Co.	Ferr Chip Beads 120 Ohm 500mA, 0402
FB802, FB805, FB807, FB808	BLM18PG331SN1D	Murata manufacturing Co.	Ferr Chip Beads 330 Ohm 1200mA, 0603
FB803, FB804	RC0603JR-070RL	Yageo Corporation	Resistor 5%, 00HM 1/10W, 200ppm, 0603
J504	8208C-B05	Powerway Electronics CO.,LTD.	5 port RJ45 non-integrated, w/o shield, w/o LEDs
Q601	KTA1663-Y-RTF/P	KEC Corporation, LTD	PNP transistor Ic= -1.5A, Vce= -30V, SOT-89
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	AP9960GM	Advanced Power Electronics Corp.	N-channel Dual MOSFETs, Vds = 40V, Id = 7.8A, Rds(on) = 20mOhm, SO-8
R819	RC0402FR-0710RL	Yageo Corporation	Resistor 10, +/-1%, 1/16W, OHMS, 0402
TR502	G72501DTG	Magtek Technology Inc.	Quad port Gigabit through hole transformer
U1	AR7161-BC1A	Atheros Technology Ltd.	600MHz Network Processor (LF-AR7100X chipset)
U501	AR8316-AK1E	Atheros Technology Ltd.	6-port GbE Switch
U803	RT9206PS	Richtek Technology Corporation	Power Controller SOP-16
U805	RT8058GQW	Richtek Technology Corporation	1MHz, 2A, Step-Down DC/DC Converter, WQFN-16L 3x3, Green
U806, U807	RT8011APQW	Richtek Technology Corporation	DC-DC Step down converter, WDFN-8E
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

RB750Gr2 Reference picture



RB750Gr2v10 Reference picture



RB750Gr2 Reference picture

