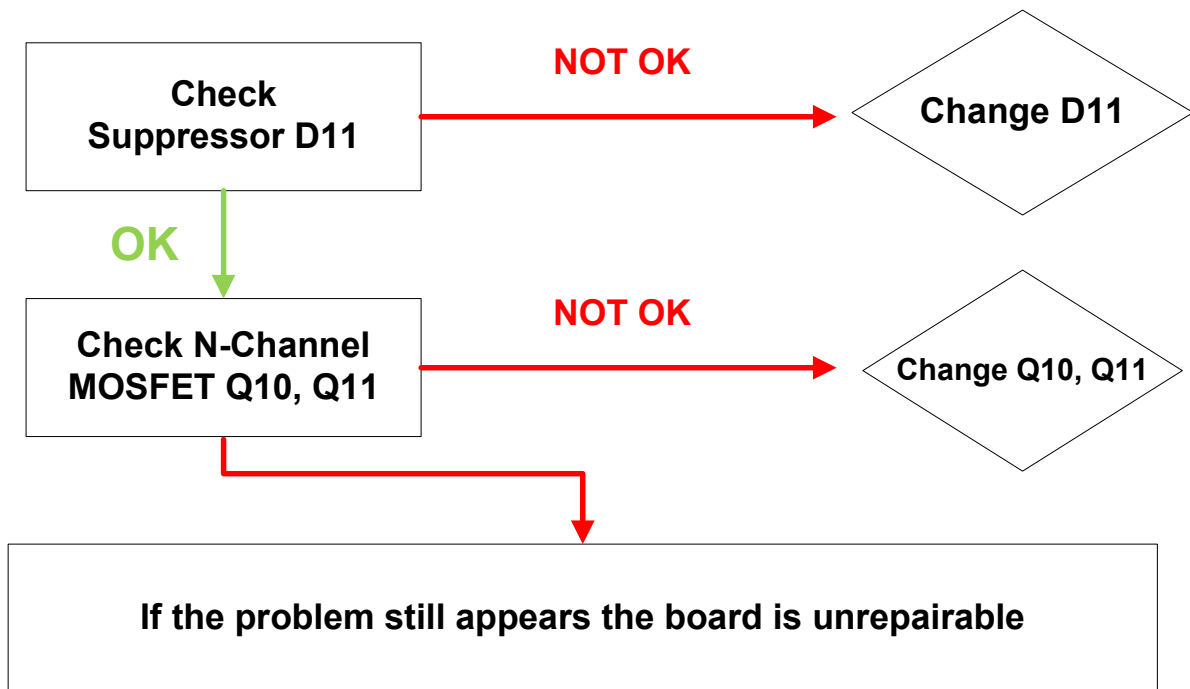


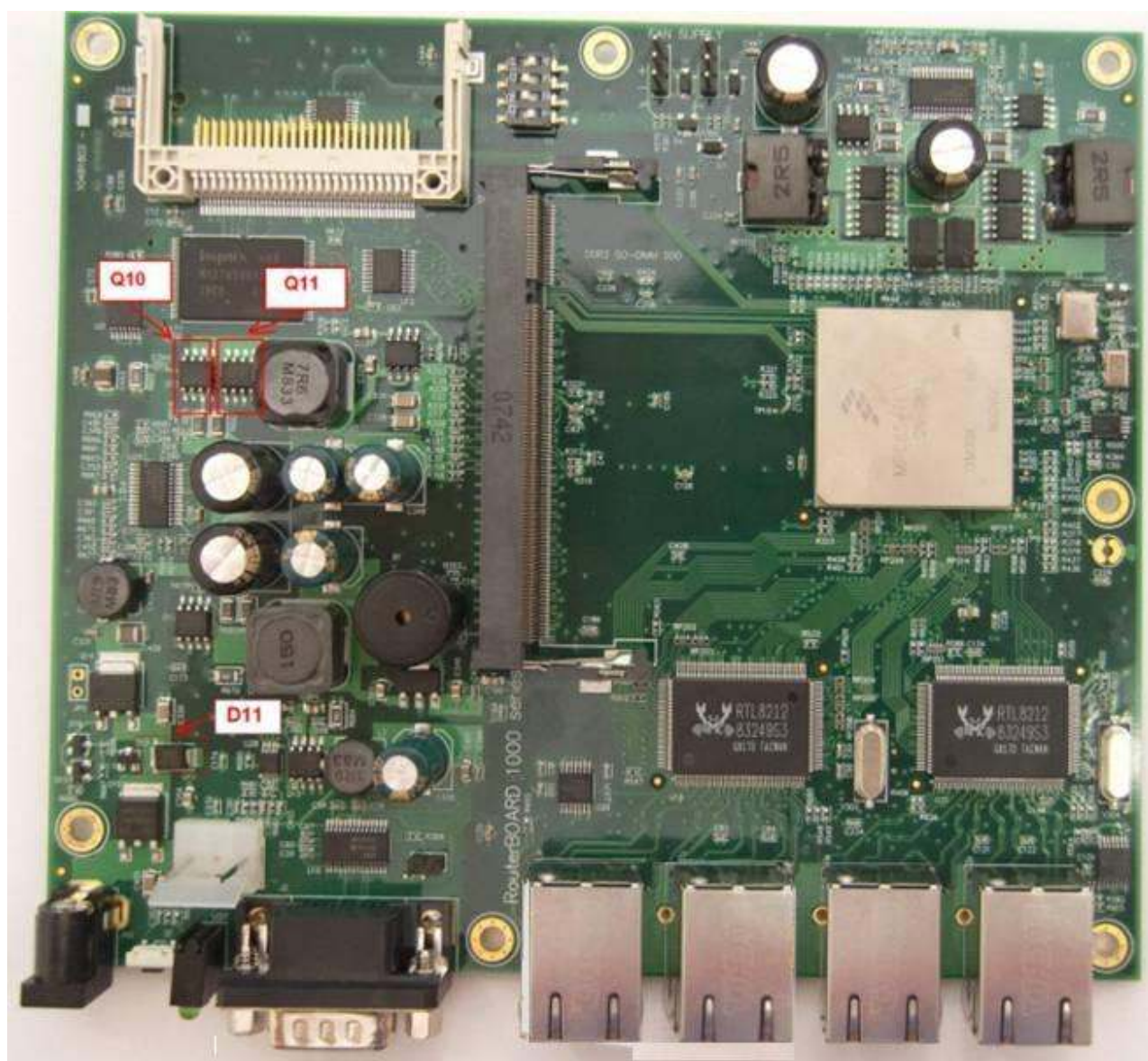
RB 1000 Trouble shooting

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 doesn't shine

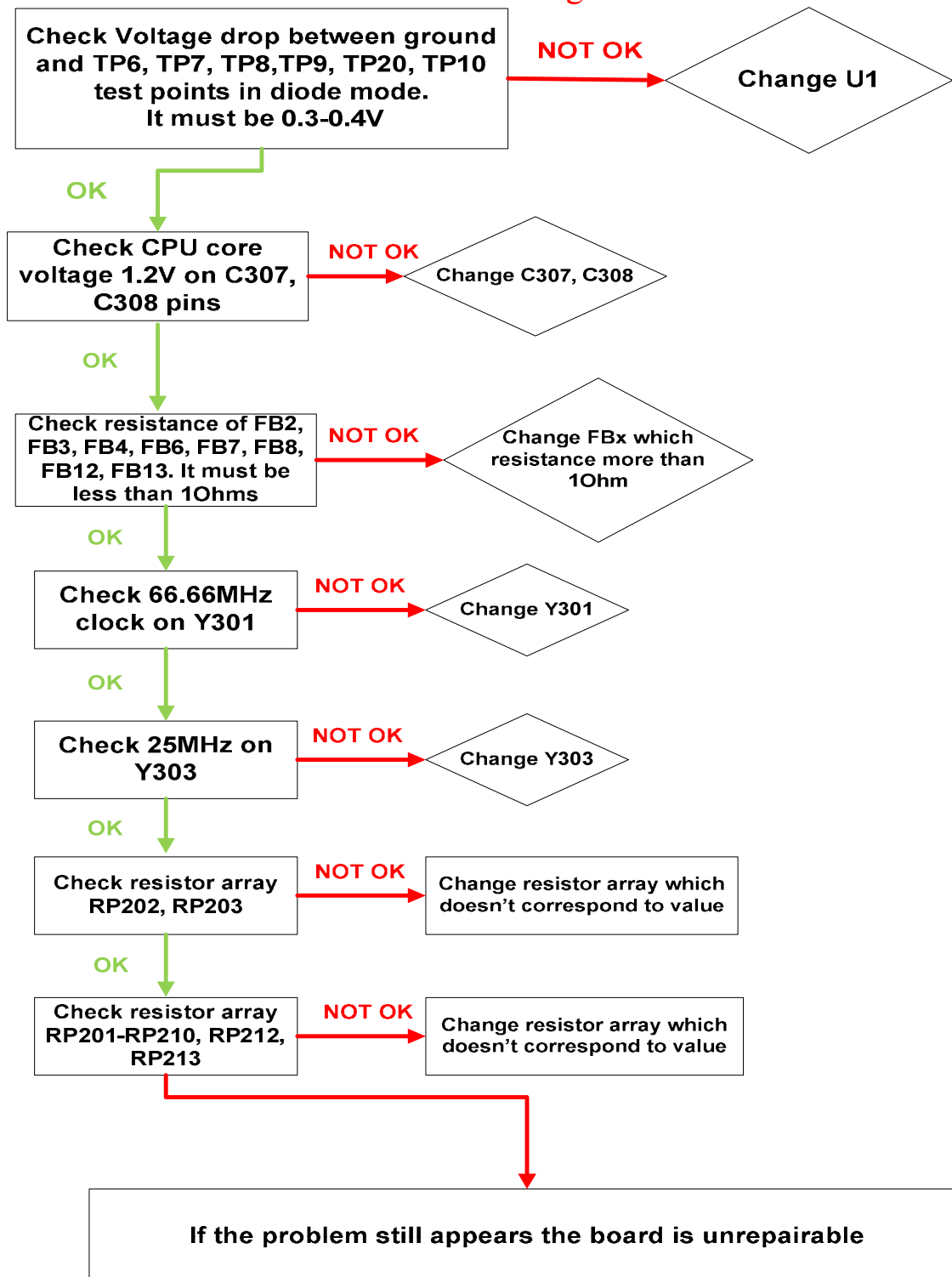




Doesn't boot, blue LED is ON

These repair instructions are for NON WARRANTY repairs only!

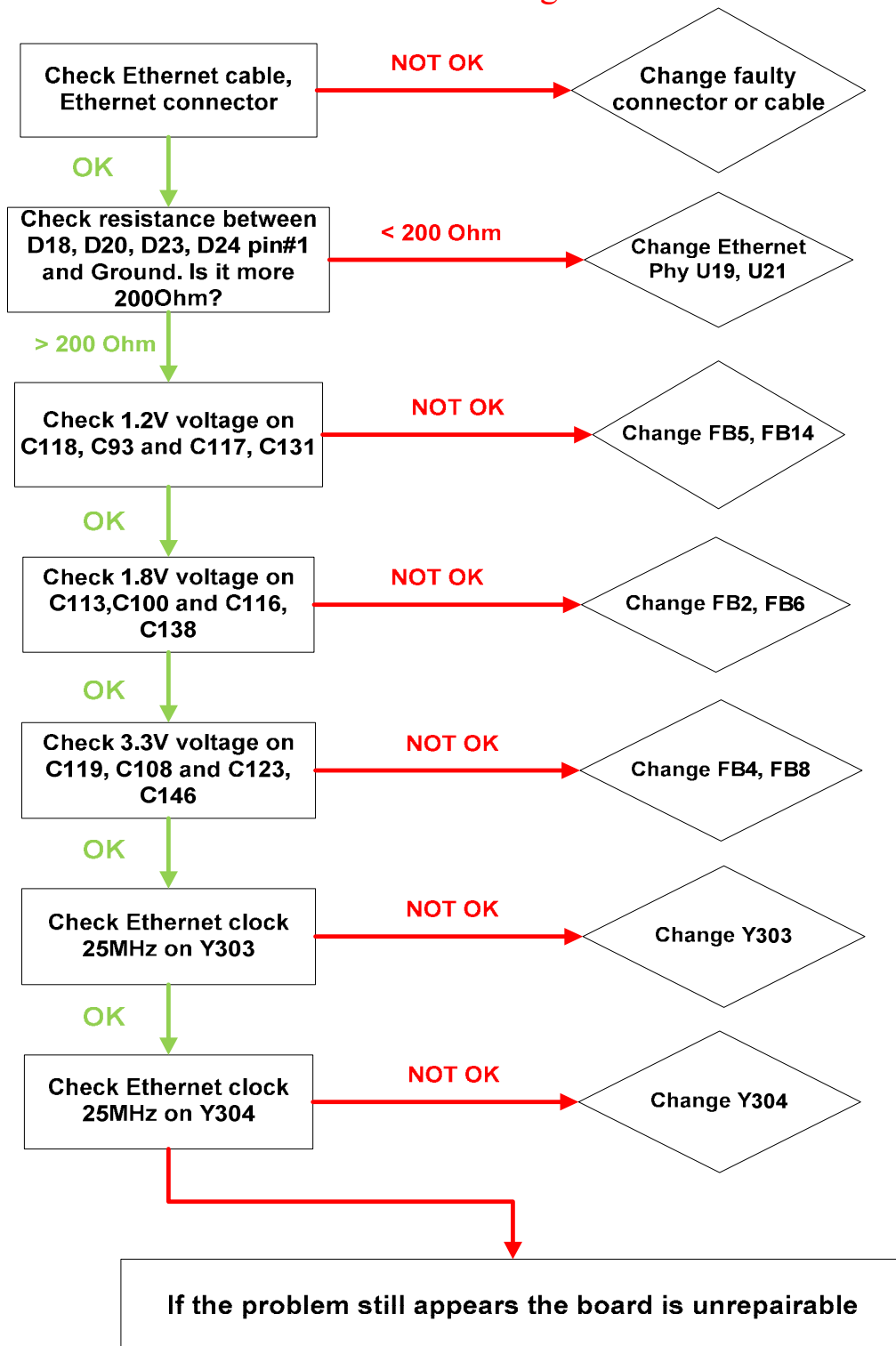
Please make visual inspection for signs of corrosion or mechanical damages before starting.



Ethernet doesn't work drops ping packets.

These repair instructions are for NON WARRANTY repairs only!

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



Reference	Part number	Manufacturer	Description
D18, D20, D23, D24	TPD4S009DBVR	Texas Instruments	Diode Array with Zener, SOT23
D11	SMBJ58A-TR	STMICROELECTRONICS	600W Transient Volt Suppressor 58V
C307, C308	EEF-SX0D331XR-T	Panasonic.	330uF, 20V Polymer capacitor
FB2-FB4, FB6-FB8, FB12-FB14	BLM15AG121SN1D	Murata	Ferrite Chip Beads 1200-1300mA
RP211, RP214	CRA04S083150RJTD	Vishay Intertechnology	Resistor array 150 Ohm 8TRM 4Res SMD
RP201-RP210, RP212, RP213	EXB-N8V220JX	Panasonic	Resistor array package 0402_22x4, 1/16W, 5%; SMD
U19, U21	RTL8212-GR	Realtek Semiconductor	Integrated 10/100/1000 Single/Dual Gigabit Ethernet Transceiver
U1	MPC8547EVUAUJ	Freescale Semiconductor, Inc.	Power QUICC III Processor, FC-PBGA_783 package
Y301	NAOD66.666-C3C	NSK Jenjaan Quartek Corporation	66.666MHz Crystal Oscillator
Y303	NXE25.000AC20F-AHF	NSK Jenjaan Quartek Corporation	25MHz Crystal
Y304	NXE25.000AC20F-AHF	NSK Jenjaan Quartek Corporation	25MHz Crystal
Q10, Q11	AP9985GM	Advanced Power Electronics Corp.	N-channel MOSFET 40V, 10A, SO-8

