

TECHNICAL BULLETIN

Ikegami

300E State Route 17S, Mahwah, NJ 07430 (201) 368-9171

Date: 5/3/2023
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To: Distribution

Product: BS-98

Symptom: Intermittent loss of SDI outputs, even though the diagnostics show all normal.

Purpose: Improve the range of oscillator lock especially when operating in the 720p/59.94 format by changing the value of two resistors as follows:

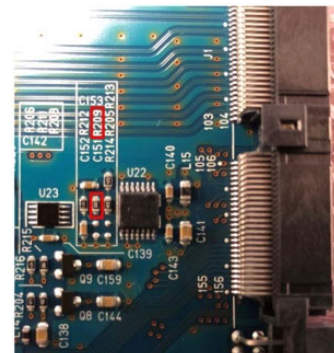
- 1) H_PRC board - R209: 2.2 K Ω \rightarrow 100 Ω , p/n: RMC1/16K101FTP
- 2) OPT board - R178: 2.2 K Ω \rightarrow 100 Ω , p/n: RMC1/16K101FTP

Instruction: Replace two resistors by following these steps:

- 1) Power down, loosen 2 screws and release hinge to remove the front cover.
- 2) Carefully pull out the H_PRC board.
- 3) Locate R209, 2.2 K Ω , as indicated in the photos below.



- 4) Remove R209 and replace with a new 100 Ω resistor by soldering.
- 5) Insert the H_PRC board back into the BS-98.

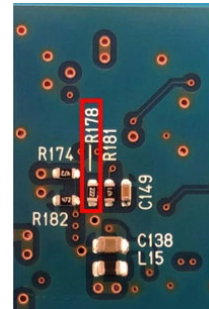
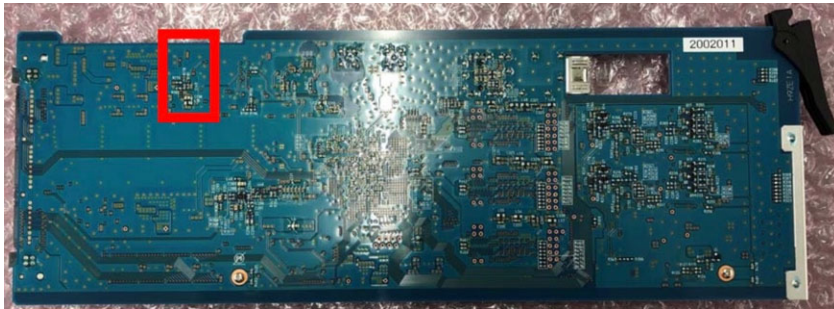
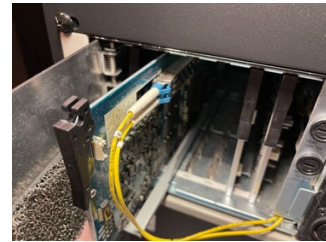


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- 6) Next, carefully pull out the OPT board halfway and disconnect the LC optical connectors (#1 & #2) as shown in photo. Make sure the surface of the fiber connectors is not touched and remains clean. If available, use protective covers on the fiber connectors during the modification session.
- 7) Locate R178 as indicated in the photos below.



- 8) Remove R178 and replace with a new 100 Ω resistor by soldering.
- 9) Insert the OPT board back into the BS-98. Make sure both LC fiber connectors are connected correctly into the SFP module.
- 10) Reattach the front cover.
- 11) Power the BS-98 On, and confirm it is operating correctly.