

AIO Card ASIC Digital Noise Modification

Problem

An audible sizzling or frying noise can be heard in Port-to-Port audio through the ADAM Matrix. This is more prevalent in end cards.

Cause

A timing problem exists in Telex TDM ASICs fabricated by AMI.

Solution

Changing the AIO card timing scheme to accommodate the increased delay needed by ASICs fabricated by AMI.

Procedure

To modify the AIO Card ASIC, do the following:

1. Using kynar or other suitable jumper wire, **run a jumper from U5 pin 5 to U5 pin 30**, as shown in the photo below.
2. Create a **solder bridge between pins 28 and 29 on U5**.

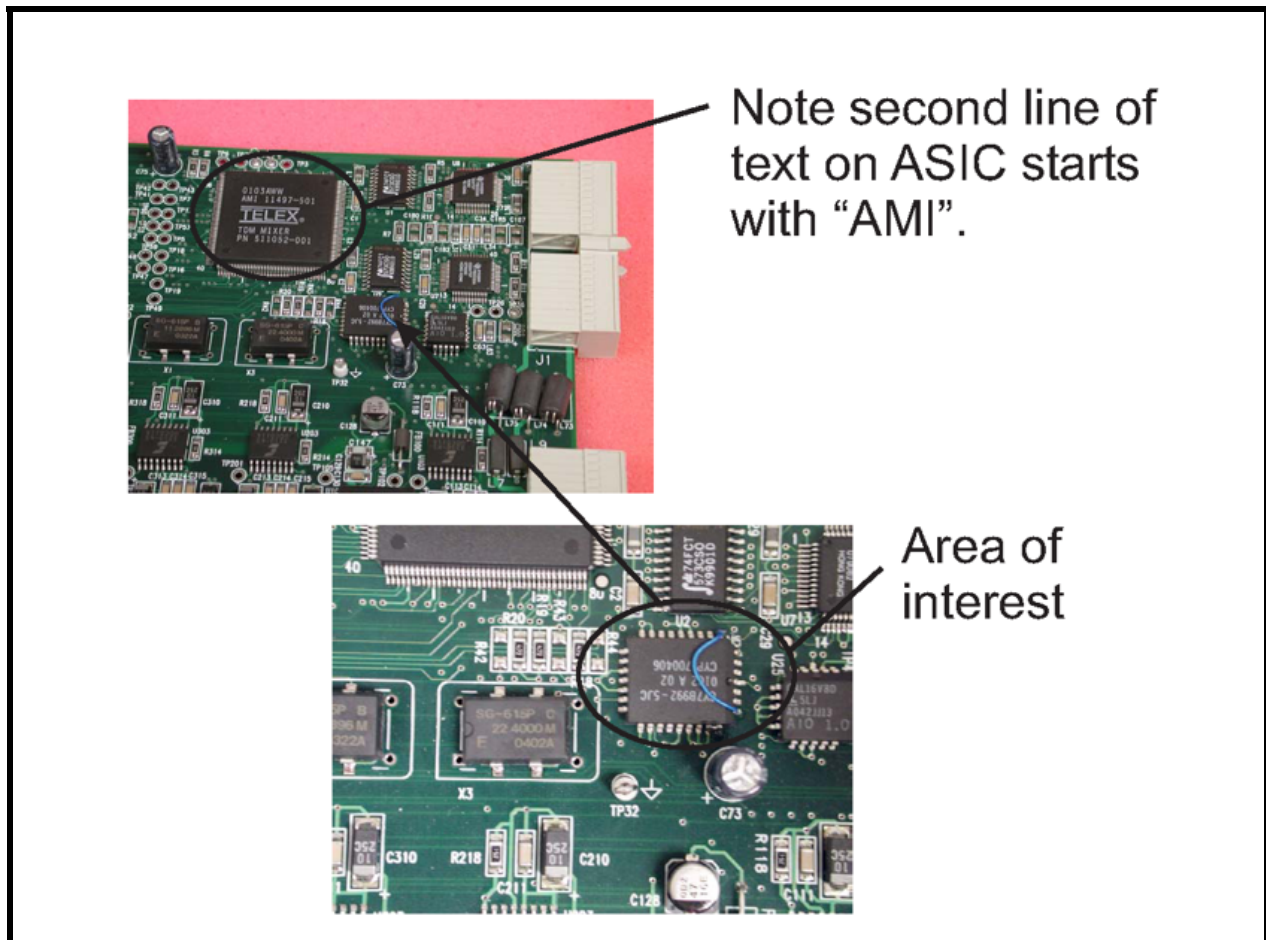


FIGURE 4. ASIC Modifications

