RTS™ TECHNICAL BULLETIN

Audio Noise on Channels due to Improper Resistor population on Tribus / MADI Front Cards

Issue Severity:	Product(s) Affected:
☐ **High:** URGENT – Immediate Action Required	• Tribus Front Cards (Rev C & earlier)
☒ **Medium:** Bosch Security Systems, Inc. strongly recommends you take the action(s) described below.	• MADI Front Cards
☐ **Low:** Advisory	

| Notification Applies To:	Access Restrictions:
☒ Technical Support (TSS)	☐ Internal Distribution **ONLY**
☒ Repair (ASA)	☒ **No** Restrictions (Internal & External Distribution)
☐ Sales (NSO / RSO)	

1.0   Issue

Field issues have been reported and confirmed in which timeslots in the ADAM matrix system have experienced noise due to the timing design of the Tribus & MADI Front Cards. A common Front Card is used for both the Tribus and MADI applications with the only difference being software programmed onto each card. It should be noted that this problem was originally discovered on the Tribus module prior to the production release of the MADI. The resistor should NEVER have been populated on the MADI Front Card builds. However, both engineering and tech support have verified a number of MADI Front Cards shipped new from the factory which have had this resistor populated in the field. As such, this issue should be inspected on these cards for any system where noise is present.

The circuitry in question is confined to the Tribus / MADI Front Card. No issues are present on the Tribus Back Card or MADI Back Card. The noise occurs on any AIO-16 card or other interface card that has small margins for the TDM bus set-up and hold time.

BOSCH

This issue typically shows up on the first port of a card but under worst-case conditions can affect every channel assigned to that card. For example: If an AIO-16 in Slot 2 is assigned to ports 17 – 32, the noise would typically be detected on port 17.

2.0 Resolution / Corrective Actions

R364 (located on the back side of the Tribus / MADI Front Card) should be removed from all Front Cards. This is shown in the following assembly view:
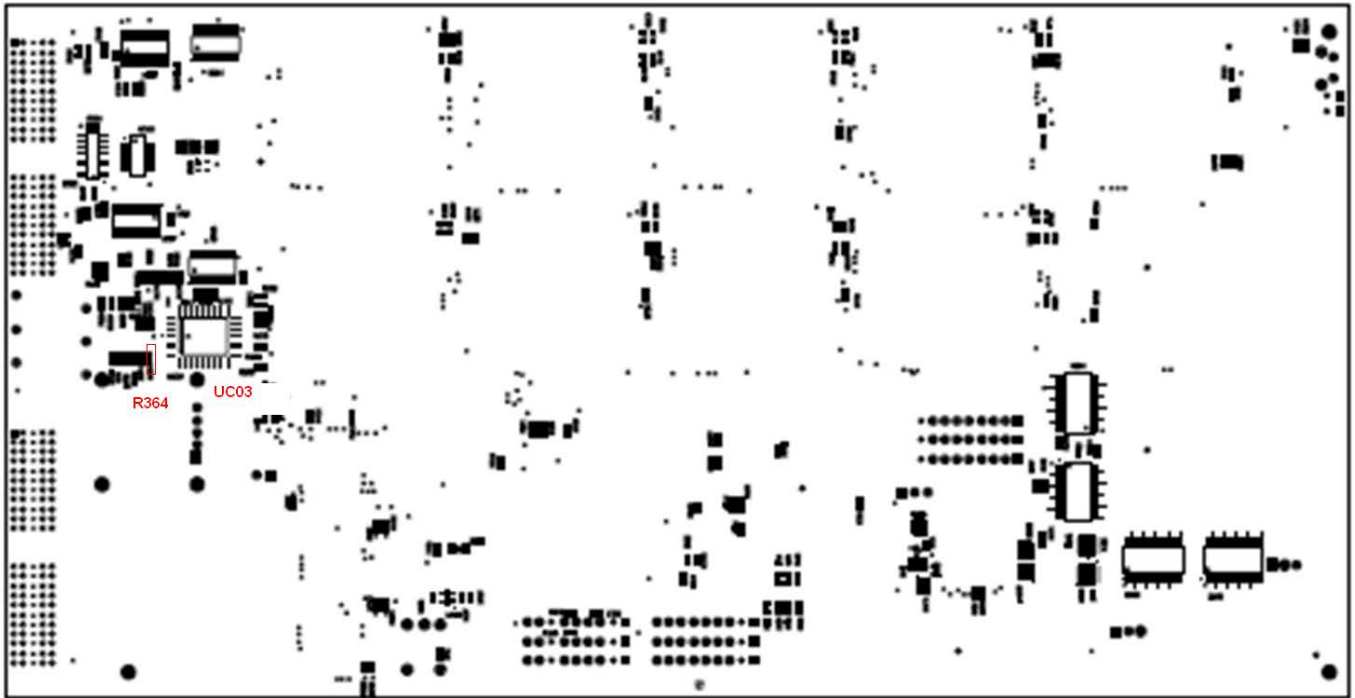
NOTICE!
The Engineering Changes which documented the removal of this resistor are EC# 46-002068 and EC# 46-002122.