

MODIFICATION RECOMMENDED

N5106A-01A

S E R V I C E N O T E

Supersedes:
N5106A-01

N5106A (PXB) MIMO Receiver Tester

Serial Numbers: US48360104 – US48360109, US48360112 – US48360121, US48360123, US48360125 and MY48360101 – MY48360114, MY48360117, MY48360119, MY48360121 - MY48360125

**N5106A Falsely triggering waveform play / start:
N5106A is set to use an External Trigger and the “play” button has been pressed. The unit will start waveform play without trigger applied if the trigger generator has an impedance of 1 Mohm or greater.**

Parts Required:

P/N	Description	Qty.
0699-3947	1Kohm Resistor	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS	LABOR: 1.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 5 February 2010	
AUTHOR:	MJW	PRODUCT LINE: PL15	
ADDITIONAL INFORMATION: All Customer units have been modified INTERNAL AGILENT ONLY – Warranty charge approved, even if no warranty in Seibel system.			

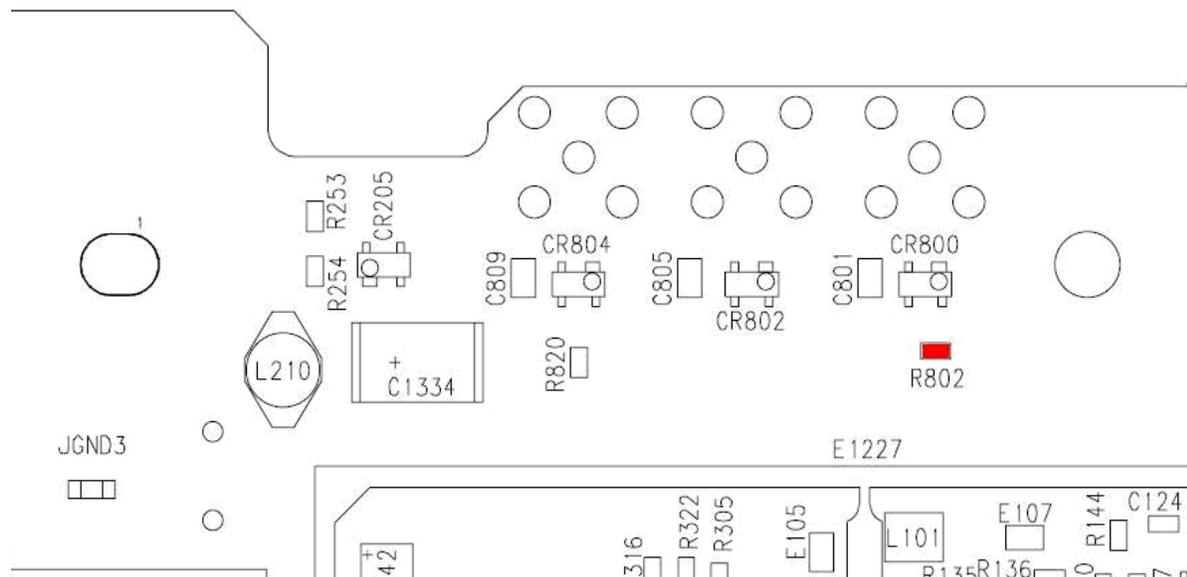
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Bottom side Layout: Remove the red resistors R802



Validate /Retest:

Turn power on to the N5106A and use an ohm meter to measure the center pin of the Ext Trigger in on the rear panel. The resistance should measure 1 Kohm +/- 100 ohm.

Run a complete Self test.

Set up the N5106A to a single channel play back. Refer to the Guided Service and Support manual “Manual verification test” on how to set up the unit and equipment required.

Change the “Trigger source” to Hardware before you press Play on the N5106A.

Once you press play the system should wait for an external trigger to be applied before the waveform with play.

Use a pulse generator to send a 50Usec pulse that has an amplitude of 1.6volts to the External trigger input. Verify that the waveform starts to play.

If using a pulse generator that has an output impedance of 1Mohm or greater use an amplitude of 2.5 volts.