

MODIFICATION RECOMMENDED

53131A-07A

S E R V I C E N O T E

Supersedes:
53131A-07

53131A - 225 MHz Counter

Serial Numbers: MY4700000 to MY47003808
SG4700000 to SG47000255

When signals are applied to both channel 1 and channel 2, and Auto Trigger is used, the channel making the measurement may receive an incorrect trigger.

Parts Required:

P/N	Description	Qty.
0699-1377	Resistor 2.37 KOhm	2
	OR	
53131-60004	Mother board	1 (optional replacement)

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 checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input 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 checked="" type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: June 2011	
AUTHOR:	ms	PRODUCT LINE: PLSP	
ADDITIONAL INFORMATION: Revised to give more information in Situation section. Duplicate Service Note: 53132A-07A			

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Situation:

Measurements on counters with A1 motherboard (53131-68024 or 53132-68024) may have intermittent readings that are significantly outside the specified accuracy under the following conditions:

- Channel 1 is configured to use Auto Trigger Level,
- AND**
- Channel 2 either:
 - has been used to make a measurement since the last power cycle, or
 - has been used to make pulse width, time interval or rise/fall time measurements (including Channel 1 measurements with Common 1: ON), or
 - has an input signal with an amplitude >10 Vpp

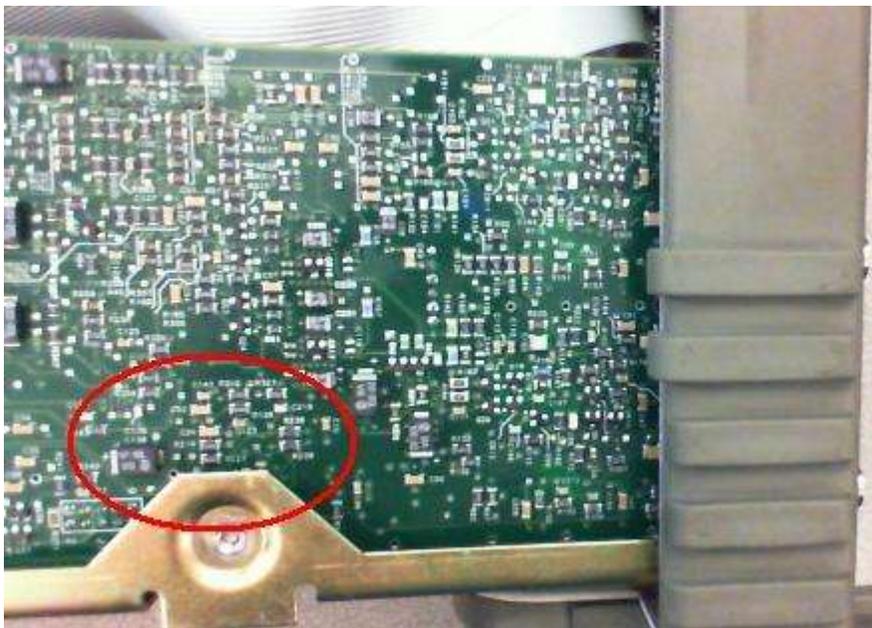
Work Around:

- This problem will always be seen for voltage peak measurements.
- For all other measurements, you can work around this issue by setting a discrete trigger level (auto trigger off) on the measurement channel(s)..

Solution/Action:

Replace resistor 0699-1318 at reference designators R219 and R218 with 0699-1377 (2.37 KOhm).

General location:



More detailed view below:

