

MSOV254A-03A

# Information Only Service Note

Supersedes:  
NONE

## MSOV254A Mixed Signal Oscilloscope: 25 GHz, 4 Analog Plus 16 Digital Channels

Serial Numbers: < MY59190110 use NON-RoHS or RoHS; ≥ MY59190110 use RoHS compliant.

Service engineers repairing and replacing acquisition(s) or backplane assemblies need to order the appropriate part numbers. There are multiple part numbers for Non-RoHS compliant assemblies and for RoHS compliant assemblies. The Oscilloscopes serial number will determine which part number to order and replace with.

### Parts Required:

P/N                      Description  
Please see Table 1 for part numbers

### ADMINISTRATIVE INFORMATION

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X Calibration Required  
 Calibration NOT Required

PRODUCT LINE: PL1A  
AUTHOR: MR

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ADDITIONAL INFORMATION: Calibration is required if either acquisition board or Backplane board is replaced.

**Situation:**

- RoHS exemption of IV40 (Lead in dielectric ceramic in capacitors for a rated voltage of < 125 V AC or 250 V DC for industrial monitoring and control instruments) : Expires on 31<sup>st</sup> Dec 2020.
- In order to ensure Keysight products are still considered RoHS compliant on 1<sup>st</sup> Jan 2021, the correct support assemblies must be used.

**Solution/Action:**

When repairing Infiniium Oscilloscopes, if either the Acquisition or Backplane assembly needs to be replaced, the service engineer needs to make sure they order and use the appropriate assembly per Table 1.

Please try to use refurbished before new.

Table 1.

PCA Assembly Description	RoHS compliant New part #	RoHS compliant Refurbished part #	Non-RoHS compliant New part #	Non-RoHS Compliant Refurbished Part #
V Series Serial Number	ALL	ALL	< MY59190110 ONLY	< MY59190110 ONLY
Acq Board, usable for 33, 25, 20, 16GHz, 13GHz or 8 GHz	54919-66721	54919-69721	54919-66521	54919-69521
Acq Board, usable for 25, 20, 16GHz, 13GHz or 8 GHz	54919-66731	54919-69731	54919-66531	54919-69531
PCA - Backplane	54916-66533	54916-69533	54916-66522	54916-69522
PCA - Backplane board tested, usable for MSOX and Serial Trigger Infiniium products	54916-66733	54916-69733	54916-66722	54916-69722

**Revision History:**

Date	Service Note Revision	Author	Reason for Change
11 December 2020	01	Mark Rowley	As Published
20 January 2021	02	Mark Rowley	As Published