

MSOV204A-04

# Information Only Service Note

Supersedes:  
NONE

## MSOV204A Mixed Signal Oscilloscope: 20 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

|                                                                               |                    |
|-------------------------------------------------------------------------------|--------------------|
| X Calibration Required                                                        | PRODUCT LINE: PL1A |
| <input type="checkbox"/> Calibration NOT Required    Calibration NOT Required | AUTHOR: MR         |

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 Refurbished Part # |
|-------------------------------------------------------------------------------------|---------------------------|-----------------------------------|---------------------------------------|
| V Series Serial Number<br>▶                                                         | ALL                       | ALL                               | < MY59190110 ONLY                     |
| Acq Board, usable for 33, 25, 20, 16GHz, 13GHz or 8 GHz                             | 54919-66521               | 54919-69721                       | 54919-69521                           |
| Acq Board, usable for 25, 20, 16GHz, 13GHz or 8 GHz                                 | 54919-66531               | 54919-69731                       | 54919-69531                           |
| PCA - Backplane,                                                                    | 54916-66522               | 54916-69533                       | 54916-69522                           |
| PCA - Backplane board tested, usable for MSOX and Serial Trigger Infiniium products | 54916-66722               | 54916-69733                       | 54916-69722                           |

**Revision History:**

| Date             | Service Note Revision | Author      | Reason for Change |
|------------------|-----------------------|-------------|-------------------|
| 11 December 2020 | 01                    | Mark Rowley | As Published      |
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