



Life Energy Motion

# Product Change Notification

## PCN-053\_2021\_1-OMTM2033801

### Operational Amplifier Change

### AP and APR series – **First date code**

Machida, 28<sup>th</sup> June 2023

Based on the JEDEC Standard JESD46 standard (latest release)

Not for publication unless permission is granted by LEM

Dear customer,

To answer to continuous market requirement for improved performances, and in a permanent effort to improve the quality of its products, LEM intends to proceed to some modification on **AP and APR series**.

#### Concerned products:

**AP 100 B10; AP 100 B420L;**

**AP 200 B10; AP 200 B420L;**

**AP 400 B10; AP 400 B420L;**

**AP 50 B10; AP 50 B420L;**

**APR 100 B10; APR 100 B10/SP1; APR 100 B420L; APR 100 B420L/SP1;**

**APR 200 B10; APR 200 B10/SP1; APR 200 B420L; APR 200 B420L/SP1;**

**APR 400 B10; APR 400 B10/SP1; APR 400 B420L; APR 400 B420L/SP1;**

**APR 50 B10; APR 50 B420L;**





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we confirm you that LEM is now producing the **model AP 50 B10** according to the change explained hereafter and **from the date code 423041**.

Explanation on the date code:

- “4” means the production center, here LEM in Machida (Japan)
- “23” means the year of the production, here the year 2023
- “041” means the day of the production, here the 041<sup>st</sup> day of the year 2023 (10<sup>th</sup> February 2023)

**Change:**

➤ ***Description of the technical change:***

Operational Amplifier change.

Current Operational Amplifier ref: NJM022BM from New Japan Radio is becoming obsolete.

Operational Amplifier change to TI ref: TLV9302IDR.

No change on the current PCB layout.

**Annex files:**

- Data sheets of old and new Op Amp
- Comparison between old and new Op Amp
- Tests report to qualify this change

➤ ***Reason of the technical change:***

Current Operational Amplifier NJM022BM New Japan Radio reference is becoming obsolete.





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**Impact on the product:**

- On the form: NO
- On the fit: NO
- On the function: NO
- On the reliability: NO
- On the data sheet: NO
- On the process: NO
- On the quality: NO
- On the functional safety characteristics: NO

**Schedule of the modification:**

Start of delivery of modified product	<b>AP 50 B10: from date code 423041 (10<sup>th</sup> February 2023)</b>
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Sincerely yours,

Stéphane ROLLIER

Product Manager

