| innovative Sensor Technology | ECR – Engineering Change Request<br>ECN – Engineering Change Note | A25.066 |
|---|---|---|
| Change class: | Class II (customer notification only, no approval required) | |
| Project: | Qualification of new solder paste for Rapid Humidity Sensors | Release by ☐ customer ☒ IST:<br>2026-09-17 / [signature]<br>Date / Signature<br>Dr. W. Zimmermann / Quality Manager<br>Name (plain text) / Position |
| Department: | Humidity Production | |
| Product: | Rapid Humidity Sensors | |
| Customer: | Diverse | |
| Abstract of change: | Change of solder paste | |

**Reason(s) for change** *(refer to attachment if necessary)*:

Long-term supply is no longer guaranteed with the current paste of the fixation material used in iST production.

IST AG is changing the paste to ensure long-term material availability and supply continuity.

As part of this change, an alternative fixation material has been qualified and approved for use in mass production.

**Change details** *(refer to attachment if necessary)*:

There are no changes to both, the sensor characteristics and dimensions. All specifications stay unchanged.

The following overview shows up the qualification tests done with the replacement material:

| Test: | Details: | Comment: |
|---|---|---|
| Sensor characteristics | Hysteresis, linearity error, loss factor, response time | Passed |
| Contact robustness | Pull test | Passed |
| Long-term stability | 1000h duration | Passed |

Orders for products with the previous part numbers will be accepted until October 31, 2026.
The last delivery of products with the previous part numbers will leave our factory by January 31, 2027.

Author: Alptekin-Sami Cuhaci Date: 20.08.2026

| Previous Part No. | Previous Part Name | Revised Part Name | Revised Part No. |
|---|---|---|---|
| 104932 | P14 RAPID 2 | P14 RAPID 2 | 159862 |
| 103564 | P14 RAPID (140 +/-40PF) | P14 RAPID (140 +/-40PF) | 159864 |
| 153415 | P14 RAPID 2_5 | P14 RAPID 2_5 | 159865 |
| 103573 | P14 RAPID-W (140 +/-40PF) | P14 RAPID-W (140 +/-40PF) | 159867 |
| 153414 | P14 RAPID-W_5 (140 +/-40PF) | P14 RAPID-W_5 (140 +/-40PF) | 159868 |
| 154150 | P14 4051FW THERMO RAPID 2 | P14 4051FW THERMO RAPID 2 | 159869 |
| 104925 | P14 RAPID.S-W (300+/-40PF) | P14 RAPID.S-W (300+/-40PF) | 159870 |
| 155790 | P14 RAPID2.S | P14 RAPID2.S | 159866 |