

|                                                                                                                                     |                                                       |              |        |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------|--------|
| Date Issued :                                                                                                                       | August 24, 2026                                       | PCN Number : | 518609 |
| Reason for Change :                                                                                                                 | Change Supplier                                       |              |        |
| Description of Change :                                                                                                             | Supplier Chemistry is going EOL and must be replaced. |              |        |
| Assessment of Change :                                                                                                              | Reliability Test Report/s                             |              |        |
| Planned Implementation Date :                                                                                                       | March 01, 2027                                        |              |        |
| Customer Sample Availability Date:                                                                                                  | February 26, 2027                                     |              |        |
| Last date to request Samples by Customer : August 31, 2026                                                                          |                                                       |              |        |
| Please note if Samples are not requested as per Customer Samples Request date, it may take additional 4-6 weeks to arrange Samples. |                                                       |              |        |
| Traceability Code Markings/ Date :                                                                                                  | Factory order number                                  |              |        |

## Material Change Notification: Shadow Chemistry

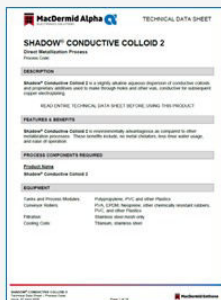
### Scope of Change

#### • Before

- "Shadow 2"

- Name: SHADOW Chemical  
SHADOW CONDUCTIVE COLLOID 2

- Image:

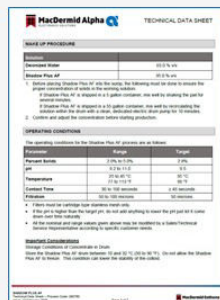


#### • After

- "Shadow Plus"

- Name: SHADOW Chemical  
SHADOW PLUS

- Image:



# Material Change Notification: Shadow Chemistry

## Overview

- Purpose of the change:
  - Supplier has notified Molex that they are discontinuing the production of their "Shadow 2" chemistry.
- Impact of the change:
  - The current chemistry will no longer be available after 6/30. Molex will change to the supplier's "Shadow Plus" chemistry.
- Reason for the change:
  - Supplier has decided to discontinue their production of "Shadow 2" due to challenges of rising production yield loss and the associated risk of ensuring supply to customers.
- Product Impact:
  - No change to form, fit, or function.

# Material Change Notification: Shadow Chemistry

## Schedule Milestones

| Activity                                       | Target Completion Date |
|------------------------------------------------|------------------------|
| Design IST Coupon                              | 6/18                   |
| Build IST Coupons                              | 7/10                   |
| Complete IST Testing                           | 9/10                   |
| Installation Qualification (IQ)                | 11/31                  |
| Operational and Process Qualifications (PO,OQ) | 12/31                  |
| Mass Production Implementation                 | 3/1/2027               |

# Material Change Notification: Shadow Chemistry

## Impacted Part Numbers

| Customer Part Number            | Molex Part Number |
|---------------------------------|-------------------|
| CAT 3986942 Key 2 Flex rev 04   | 1441310001        |
| CAT 484-4646-04 Key 3 Flex long | 1448880001        |

## PCN Qualification and Validation Plan

- Below is the List of Part Numbers will be used for internal qualification & validation purposes.
- Samples and Qualification data will be provided upon request.

1441310001

You may address inquiries regarding this PCN by clicking on the below link  
[mailto:pcn\\_coordinator@molex.com?subject=PCN\\_Notification:518609](mailto:pcn_coordinator@molex.com?subject=PCN_Notification:518609)  
or contact your Local Sales Engineer.

Note: While responding, please retain " **PCN Notification: 518609** " in the e-mail Subject line for faster response.

**Molex, LLC**  
2222 Wellington Court  
Lisle, IL 60532  
TEL (800) 786-6539  
[www.molex.com](http://www.molex.com)

| PCN #  | Customer # | Customer Name    | Search Term | Molex Part # | Customer Material # |
|--------|------------|------------------|-------------|--------------|---------------------|
| 518609 | 103989     | TTI INCORPORATED | TTI INC     | 1448880001   | MOL144888-0001      |

| City       | State | Country | Sales Engineer Name | Sales Engineer email    |
|------------|-------|---------|---------------------|-------------------------|
| FORT WORTH | TX    | US      | JOHN CRIMMINS       | JOHN.CRIMMINS@MOLEX.COM |

| Opportunity # | Opportunity Item Lost Indicator |
|---------------|---------------------------------|
|---------------|---------------------------------|

| PCN No | Part List  |
|--------|------------|
| 518609 | 1441310001 |
| 518609 | 1448880001 |