

Listing of PCNs

Introduction

This file contains PCN information for the product(s) referenced by the file name.

Note that the file may contain multiple PCNs. If this is the case, they are arranged in chronological order, so to see the most recent PCN scroll to the end.

Resistors Product Change Notification

| | |
|---|--|
| PCN Number | PCN-2024-RBU02 - EOL 3810 RESISTOR VALUES ABOVE 50G Ohm |
| PCN Title | EOL Announcement – 3810 family (3810-3811-3812) |
| PCN Date | 4 th March 2024 |
| Type of Change | <input checked="" type="checkbox"/> End of Life Notification <input type="checkbox"/> Material Change <input type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Process Change <input type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Design Change <input type="checkbox"/> Other: |
| Manufacturing Location(s) Affected | TT Electronics Bedlington |
| Date of Change Implementation | 12 th March 2024 |

| Products Affected | |
|-------------------|---|
| TT Series | Datasheet Link |
| 3810 family | https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheet/3810.pdf |

| Change Detail | |
|--|--|
| Description of Change | <p>TT Electronics is announcing that the thick film resistor material used to resistors value above 50G Ohm on the 3800 series was unexpectedly and very suddenly made obsolete. Therefore, we cannot currently manufacture product.</p> <p>Explanation of families range of all affected part numbers can be found in Appendix 1.</p> |
| Reason for Change | No valid alternative material at the moment. |
| Implementation Plan | A Last Time Buy is not available, all part numbers with resistors value above 50G Ohm are EOL and unavailable to order with immediate effect. |
| Customer Impact | All part numbers with resistors value above 50G Ohm are EOL and unavailable to order from TT Electronics. |
| Recommendations | No action required, this PCN is for information only and to formally note the EOL of these obsolete products. |
| Availability of Previously Manufactured Product | Product will be unavailable to order with immediate effect. |
| Availability of Approval Samples | N/A |
| Sales Contacts | Americas: Greg Hawkins Greg.Hawkins@ttelectronics.com |

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|---|
| Europe: Claudia Patzak-Kruger Claudia.patzak@ttelelectronics.com Asia: Janson Chuen janson.chuen@ttelelectronics.com |
|---|

| Approvals | | | |
|--------------------|------------------|-----------------------|-----------------------------|
| | Name | Title | Date |
| Issued by | Mario Garsi | Product Line Manager | 11 th March 2024 |
| Approved by | Heather Baird | VP Product Management | 11 th March 2024 |
| Approved by | Klaus Zwerschina | VP Sales | 11 th March 2024 |

Appendix 1

Applies to the following part numbers only:

3810 products with resistor value above to 50G Ohm

3811 products with resistor value above to 50G Ohm

All the 3812 products

Resistors Product Change Notification

| | |
|---|--|
| PCN Number | PCN-2024-RBU03 – Families 3810 TCR and VCR values updated |
| PCN Title | Datasheet Update – 3810 family (3810-3811) |
| PCN Date | 27 th March 2024 |
| Type of Change | <input type="checkbox"/> End of Life Notification <input type="checkbox"/> Manufacturing Facility Change or Addition <input checked="" type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Material Change <input type="checkbox"/> Process Change <input type="checkbox"/> Design Change |
| Manufacturing Location(s) Affected | TT Electronics Bedlington |
| Date of Change Implementation | 27 th March 2024 |

| Products Affected | |
|-------------------|---|
| TT Series | Datasheet Link |
| 3810 family | https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheet/3810.pdf |

| Change Detail | |
|--|--|
| Description of Change | The 3810 series data sheet has been updated with new Electrical Data parameters for TCR and VCR. Other parameters remain the same. Details of the changes can be seen in Appendix 1. |
| Reason for Change | The resistive element material is obsolete. An alternative material has been identified and approved. TT Electronics has extensive experience of this alternative material as it is used for T series high voltage precision thick film resistors. |
| Implementation Plan | The alternative material is approved and in place for manufacture of these parts. |
| Customer Impact | All current and future orders for 3810 series products will be manufactured using the new resistor material. |
| Recommendations | No action required, this PCN is for information only. |
| Availability of Previously Manufactured Product | No product manufactured with the previous resistor material is now available. |
| Availability of Approval Samples | Samples can be manufactured on request. |
| Sales Contacts | Americas: Greg Hawkins Greg.Hawkins@ttelectronics.com Europe: Claudia Patzak-Kruger Claudia.patzak@ttelectronics.com Asia: Janson Chuen janson.chuen@ttelectronics.com |

| Approvals | | | |
|-------------|------------------|-----------------------|-----------------------------|
| | Name | Title | Date |
| Issued by | Mario Garsi | Product Line Manager | 26 th March 2024 |
| Approved by | Heather Baird | VP Product Management | 26 th March 2024 |
| Approved by | Klaus Zwerschina | VP Sales | 26 th March 2024 |

APPENDIX 1: Details of changes to data sheet

Changes to TCR characteristic:

| | | Previous material/data sheet | Current material/datasheet |
|--------------------|--------|------------------------------|----------------------------|
| TCR (20°C to 70°C) | ppm/°C | -500 to -3500 | 0 to -500 |

Changes to VCR characteristic:

| | | Previous material/data sheet | | Current material/datasheet | | | |
|----------------------------|-------|------------------------------|------|----------------------------|------|-------|------|
| VCR (100 to 500V) ppm/V | | 3810 | 3811 | 3810 | | 3811 | |
| | 100MΩ | -20 | -10 | ≤5GΩ | -40 | ≤10GΩ | -20 |
| | 1TΩ | -160 | -80 | >5GΩ | -400 | >10GΩ | -200 |

Resistors Product Change Notification

| | |
|---|---|
| PCN Number | PCN-2024-RBU08 – 3810 Family Silicone coating change |
| PCN Title | 3810 Family silicone coating change |
| PCN Date | 7 th November 2024 |
| Type of Change | <input type="checkbox"/> End of Life Notification <input type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Material Change <input type="checkbox"/> Process Change <input type="checkbox"/> Design Change |
| Manufacturing Location(s) Affected | TT Electronics Bedlington |
| Date of Change Implementation | 7 th November 2024 |

| Products Affected | |
|-------------------|---|
| TT Series | Datasheet Link |
| 3810 family | https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheet/3810.pdf |

| Change Detail | |
|--|--|
| Description of Change | The 3810 series change to New Silicone coating. Old Silicone coating has passed expiry and can no longer be purchased. |
| Reason for Change | The Old Silicone coating material is obsolete. An alternative material has been identified and approved. TT Electronics has extensive experience of this alternative material. |
| Implementation Plan | The alternative material is approved and in place for manufacture of these parts. |
| Customer Impact | All current and future orders for 3810 series products will be manufactured using the New Silicone Coating material. |
| Recommendations | No action required, this PCN is for information only. |
| Availability of Previously Manufactured Product | No product manufactured with the previous Silicone Coating material is now available. |
| Availability of Approval Samples | Samples can be manufactured on request. |
| Sales Contacts | Americas: Greg Hawkins greg.hawkins@ttelectronics.com Europe: Claudia Patzak-Kruger Claudia.patzak@ttelectronics.com Asia: Janson Chuen janson.chuen@ttelectronics.com |

| Approvals | | | |
|--------------------|------------------|----------------------|-------------------------------|
| | Name | Title | Date |
| Issued by | Mario Garsi | Product Line Manager | 7 th November 2024 |
| Approved by | Klaus Zwerschina | VP Sales | 7 th November 2024 |

APPENDIX 1:

3810 family:

| |
|-------------|
| 3810-100MKI |
| 3810-10GKI |
| 3810-1G0KI |
| 3811-100MFI |
| 3811-100MGI |
| 3811-100MKI |
| 3811-10GFI |
| 3811-10GGI |
| 3811-10GKI |
| 3811-125MFI |
| 3811-1G0FI |
| 3811-1G0GI |
| 3811-1G0KI |
| 3811-1G9FI |
| 3811-20GKI |
| 3811-25GFI |
| 3811-25GKI |
| 3811-2G0FI |
| 3811-2G0GI |
| 3811-500MFI |
| 3811-50GFI |
| 3811-50GGI |
| 3811-5G0FI |
| 3811-700MGI |
| 3811-7G0GI |