

March 26<sup>th</sup>, 2025

Dear Valued Customer,  
this is a notification letter to inform you that we are changing our “Head Wire” (pre-soldered pins) materials from lead-containing solders to lead-free solders for various Power Module packages.

**Package types includes:** Y1, Y2, Y4 and Compack

All affected Power Module products per package have been fully qualified following established performance and reliability criteria using the new head wire that has lead-free solders. Below summarizes the change in head wire.

Please, refer to the attached product list in the last pages for detailed affected product coverage.

**Form, fit, function changes** : No change.  
**BOM change** : Yes. Head wire only.  
**Effective date** : Effective immediately.  
**Last time buy** : N/A

**BOM CHANGE**

| PACKAGE                   | FROM                                                                                | TO                                                                           |
|---------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Y1, Y2, Y4 and<br>COMPACT | Head Wire (pre-soldered pins)<br>Lead (Pb) - containing Solders<br>95.5Pb 2Sn 2.5Ag | Head Wire (pre-soldered pins)<br>Lead (Pb)- free Solders<br>96.5Sn 3Cu 0.5In |

Your Littelfuse representative is available to discuss more specific details with you or answer any questions you may have. Thank you for your understanding and cooperation.

Yours sincerely,

**Evan Kusuma**  
Product Marketing Engineer, Power Modules  
Semiconductor Business Unit  
Phone +49 151 70432577  
[ekusuma@littelfuse.com](mailto:ekusuma@littelfuse.com)

## Appendix A: Detail Part Number List Affected

| Package | Part Number      |
|---------|------------------|
| Y1      | MCC224-20IO1     |
| Y1      | MCC224-22IO1     |
| Y1      | MCC224-24IO1     |
| Y1      | MCC225-12IO1     |
| Y1      | MCC225-14IO1     |
| Y1      | MCC225-16IO1     |
| Y1      | MCC225-18IO1     |
| Y1      | MCC255-12IO1     |
| Y1      | MCC255-14IO1     |
| Y1      | MCC255-16IO1     |
| Y1      | MCC255-18IO1     |
| Y1      | MCC312-12IO1     |
| Y1      | MCC312-14IO1     |
| Y1      | MCC312-16IO1     |
| Y1      | MCC312-18IO1     |
| Y1      | MCD224-20IO1     |
| Y1      | MCD224-22IO1     |
| Y1      | MCD225-12IO1     |
| Y1      | MCD225-14IO1     |
| Y1      | MCD225-16IO1     |
| Y1      | MCD225-18IO1     |
| Y1      | MCD255-12IO1     |
| Y1      | MCD255-14IO1     |
| Y1      | MCD255-16IO1     |
| Y1      | MCD255-18IO1     |
| Y1      | MCD312-12IO1     |
| Y1      | MCD312-14IO1     |
| Y1      | MCD312-16IO1     |
| Y1      | MCD312-16IO1-PCM |
| Y1      | MCD312-18IO1     |
| Y1      | MCMA265P1600KA   |
| Y1      | MCMA265PD1600KB  |
| Y1      | MCMA650MT1400NKD |
| Y1      | MCMA650MT1800NKD |
| Y1      | MCO450-20IO1     |
| Y1      | MCO450-22IO1     |
| Y1      | MCO500-12IO1     |
| Y1      | MCO500-14IO1     |
| Y1      | MCO500-16IO1     |
| Y1      | MCO500-18IO1     |
| Y1      | MCO600-16IO1     |
| Y1      | MCO600-18IO1     |
| Y1      | MCO600-20IO1     |
| Y1      | MCO600-22IO1     |
| Y2      | MCC310-08IO1     |
| Y2      | MCC310-12IO1     |
| Y2      | MCC310-14IO1     |
| Y2      | MCC310-16IO1     |
| Y2      | MCC310-18IO1     |
| Y2      | MCD310-08IO1     |

|    |                   |
|----|-------------------|
| Y2 | MCD310-12IO1      |
| Y2 | MCD310-14IO1      |
| Y2 | MCD310-16IO1      |
| Y2 | MCD310-18IO1      |
| Y2 | MCD310-22IO1      |
| Y4 | MCC132-08IO1      |
| Y4 | MCC132-12IO1      |
| Y4 | MCC132-14IO1      |
| Y4 | MCC132-14IO1B     |
| Y4 | MCC132-16IO1      |
| Y4 | MCC132-16IO1B     |
| Y4 | MCC132-18IO1      |
| Y4 | MCC132-18IO1B     |
| Y4 | MCC161-20IO1      |
| Y4 | MCC161-22IO1      |
| Y4 | MCC162-08IO1      |
| Y4 | MCC162-12IO1      |
| Y4 | MCC162-14IO1      |
| Y4 | MCC162-14IO1B     |
| Y4 | MCC162-16IO1      |
| Y4 | MCC162-16IO1B     |
| Y4 | MCC162-18IO1      |
| Y4 | MCC162-18IO1B     |
| Y4 | MCC200-14IO1      |
| Y4 | MCC200-16IO1      |
| Y4 | MCC200-18IO1      |
| Y4 | MCD132-08IO1      |
| Y4 | MCD132-12IO1      |
| Y4 | MCD132-14IO1      |
| Y4 | MCD132-16IO1      |
| Y4 | MCD132-18IO1      |
| Y4 | MCD161-20IO1      |
| Y4 | MCD161-22IO1      |
| Y4 | MCD162-08IO1      |
| Y4 | MCD162-12IO1      |
| Y4 | MCD162-14IO1      |
| Y4 | MCD162-16IO1      |
| Y4 | MCD162-16IO1B     |
| Y4 | MCD162-18IO1      |
| Y4 | MCD200-14IO1      |
| Y4 | MCD200-16IO1      |
| Y4 | MCD200-18IO1      |
| Y4 | MCK200-18IO1      |
| Y4 | MCMA160P1600YA    |
| Y4 | MCMA160P1800YA-MI |
| Y4 | MCMA200P1600YA    |
| Y4 | MCMA200P1800YA-MI |
| Y4 | MCMA200PD1600YB   |
| Y4 | MCMA200PD1800YB   |
| Y4 | MCMA260P1600YA    |
| Y4 | MCMA260PD1600YB   |

|         |                 |
|---------|-----------------|
| Y4      | MCMA260PD1800YB |
| Y4      | MCNA150P2200YA  |
| Y4      | MCNA150PD2200YB |
| Y4      | MCNA180P2200YA  |
| Y4      | MCNA180PD2200YB |
| Y4      | MCNA220P2200YA  |
| Y4      | MCNA220PD2200YB |
| COMPACK | MCMA1400E1600CD |
| COMPACK | MCMA700P1600CA  |

|         |                    |
|---------|--------------------|
| COMPACK | MCMA700P1600NCA    |
| COMPACK | MCMA700P1800CA     |
| COMPACK | MCMA700P1800CA-PC  |
| COMPACK | MCMA700PD1600CB    |
| COMPACK | MCMA700PD1600CB-DF |
| COMPACK | MCMA700PD1600CB-PC |
| COMPACK | MCNA650P2200CA     |
| COMPACK | MCNA650PD2200CB    |