

8755 W. Higgins Road Suite 500 Chicago, Illinois USA 60631

Dec 21th, 2017

ESW490-30_Manufacture Location Transfer and Obsolete for Acquired ON Semiconductor Thyristor

To our valued customers,

This is to announce the manufacture location transfer for acquired ON Semiconductor thyristor. This transfer will cover majority of acquired ON Semiconductor thyristor part numbers except 4 part numbers will be obsoleted instead.

- 1) Littelfuse decided to obsolete 4 part numbers in acquired TO220 isolated series as below stated. Last time buy for below part numbers is March-31th'2018. Last time shipment for below part numbers is Dec-29th'2018.
 - a. BTA30-800CW3G
 - b. BTA25H-800CW3G
 - c. BTA30H-600CW3G
 - d. BTA30H-800CW3G

Meantime we will propose our existing Littelfuse part number as possible substitute. We will provide technical support when qualify Littelfuse part number as substitute.

| Acquired ONsemi Part Number | Material Description | Similar LF Part Number Substitute | | |
|--------------------------------|----------------------|--------------------------------------|--|--|
| BTA30 -800CW3G | TRIAC TO-220 ISO 30A | Q6030LH5TP or Q8025LH5TP | | |
| BTA25H-800CW3G | TRIAC TO-220 ISO 25A | Q8025LH5TP | | |
| BTA30H-600CW3G | TRIAC TO-220 ISO 30A | Q6030LH5TP | | |
| BTA30H-800CW3G | TRIAC TO-220 ISO 30A | Q6030LH5TP or Q8025LH5TP | | |

2) The rest of acquired ON Semiconductor thyristor part numbers will be remain the same plan, which transfer from ON Semiconductor manufacture location to Littelfuse manufacture location. Below table stated the location change by package types. And we will provide the qualification report and sample at Feb'2018 and May'2018 respectively.

| Series | Previous Location for Chip | New Location for Chip | Previous Location for Assembly | New Location for Assembly | Qual Report Available Time | Sample Available Time |
|---------------------|----------------------------------|-----------------------------|--------------------------------------|---------------------------------|----------------------------------|-----------------------------|
| TO-220 Isolated | Taiwan | Wuxi | ONsemi | Littelfuse | Feb'2018 | Feb'2018 |
| TO-220 non-Isolated | Taiwan | No change | ONsemi | Littelfuse | Feb'2018 | Feb'2018 |
| TO-255AA | Taiwan | No change | ONsemi | Littelfuse | May'2018 | May'2018 |
| TO-251/TO-252 | Taiwan | No change | ONsemi | Littelfuse | May'2018 | May'2018 |
| SOT223/SOT23 | Taiwan | No change | ONsemi | Littelfuse | Feb'2018 | Feb'2018 |

Another detail part number list will be attached as well to state the same information as above but more specific to level of each part numbers. Kindly please check the list and start to contact our local sales representative for any detail sample and qualification requirements.

In the meantime, because of recent supply constraint on specific packages at ON Semiconductor manufacture location, such as SOT-223 and DPAK for example, Littelfuse would like suggest customer approve our Littelfuse manufacture location as early as possible to benefit the better lead time.

However, we are continuously purchase more inventory from ON Semiconductor manufacture location to support customer qualification period, please expect products from both manufacture locations during this transition period which may last till 2019.

We value your business and look forward to assisting you whenever possible. Any specific question please contact Littelfuse local sales teams or Zhiwei Wang, Global Product Manager of Thyristor. Thank you!

Best Regards,

Zhiwei Wang Global Product Manager of Thyristor & Rectifier Diode Semiconductor Business Unit, Wuxi, China +86 510 85277701 - 7927 zwang@littelfuse.com



800 E. Northwest Highway Des Plaines, IL 60016

| Product/Process Change Notice (PCN) | | | | | |
|--|---|---|--|--|--|
| PCN#: ESW490-30 Date: Dec 21, 20 | 17 C | Contact Information | | | |
| Product Identification: | N | Name: Zhiwei Wang | | | |
| Acquired ON Semiconductor Thyristor Po | rtfolio Ti | Title: Global Product Manager | | | |
| Implementation Date for Change: | PI | Phone #: +86 510 85277701 - 7927 | | | |
| June 1st, 2018 | Fa | Fax#: N/A | | | |
| | E | -mail: zwang@littelfuse.com | | | |
| Category of Change: | Descriptio | on of Change: | | | |
| Assembly Process | This is to announce the manufacture location transfer for acquired ON Semiconductor thyristor. This transfer will cover majority of acquired ON | | | | |
| Data Sheet | | | | | |
| Technology | Semiconduinstead. | nductor thyristor part numbers except 4 part numbers will be obsoleted | | | |
| Discontinuance/Obsolescence | insteau. | | | | |
| 🛛 Equipment | | | | | |
| Manufacturing Site | | | | | |
| Raw Material | | | | | |
| Testing | | | | | |
| ⊠ Fabrication Process | | | | | |
| Other: | | | | | |
| Important Dates: | | | | | |
| ☑ Qualification Samples Available: Feb 28,2018&May 31,2018 | | | | | |
| ☑ Final Qualification Data Available: Feb 28,2018&May 31,2018 | | | | | |
| Date of Final Product Shipment: Dec 29,2018 (4 obsolete parts only) | | | | | |
| | | | | | |
| Method of Distinguishing Changed Pro | duct | | | | |
| Product Mark, | | | | | |
| Date Code, Refer to Distinguishing table in Qual Report | | | | | |
| ☐ Other, | | | | | |
| Demonstrated or Anticipated Impact on Form, Fit, Function or Reliability: | | | | | |
| Minior impact on Fit/Form. Refer to Dimensional table in Qual Report | | | | | |
| LF Qualification Plan/Results: | | | | | |
| Full detail available upon request by Feb 28,2018&May 31,2018. | | | | | |
| Customer Acknowledgement of Receipt: Littelfuse requests you acknowledge receipt of this PCN. In your acknowledgement, you can | | | | | |
| grant approval or request additional information. Lit | telfuse will as | ssume the change is acceptable if no acknowledgement is received within 30 days | | | |
| of this notice. Lack of any additional response within 90 days of PCN issuance further constitutes acceptance of the change. | | | | | |