

Microchip Technology Limited

March 2020

Product/Process Change Notification No: 2017-009-2

Change Classification: Major

Subject: Microsemi DPG PDM Non Hermetic Product Supply Chain Update

Description of Change: Following on from PCN 2017-009-1, Microchip wishes to inform our valued customer base of the qualification complete dates for below qualifications

Reason for Change: As part of Microchip's search for continued operational and service efficiencies, current non-hermetic product offering is being reviewed for run rates, revenue, margin and potential growth

Application Impact: For those products that Microchip will continue to support and develop, alternate sources will be qualified. In order to ensure continued supply of select product, a die bank is being built to act as bridging inventory as alternate sources are qualified. Some product may form part of an end of life notice as the rationalization takes effect.

Method of Identifying Changed Product: This will be addressed through further customer Product Change Notifications on a case by case basis

Products Affected by this Change: See below

Production Shipment Schedule: See above

Qualification Plan: This will be addressed on a case by case basis – Microchip will utilize existing qualification plans – for example, based on AEC1010 and MIL-PRF-19500 methodologies.

Samples Availability: Not applicable.

Proposed Microsemi Foundry Qualification Plan- Non hermetic Product Families							
Product Family	Rated Standoff Voltage (V_{WM})	Minimum Breakdown Voltage (V_{BR})	Peak Pulse Power Rating	SMD/ Axial	Package	Foundry Source	Qual Status
SMCxLCE	6.5V to 170V	7.22V to 189V	1.5kW	SMD	DO-214AB, DO215AB	MSC Qualified Partner	Qualified – PCN 2017 - 002
P4KE	5.8V to 342V	6.45V to 380V	400W	Axial	DO41 (DO-204AL)	MSC Qualified Partner	Qualified – Q2 2018
P5KE	5.0V to 170V	6.45V to 189V	500W	Axial	DO41 (DO-204AL)	MSC Qualified Partner	EOL – PCN 2017-018
P6KE	5.8V to 171V	6.45V to 190V	600W	Axial	T-18	MSC Qualified Partner	Qualified – Q2 2018
1.5KE	5.8V to 324V	6.45V to 380V	1.5kW	Axial	Case 1	MSC Qualified Partner	Qualified – Q2 2018
LCE	6.5V to 170V	7.22V to 189V	1.5kW	Axial	Case 1	MSC Qualified Partner	Qualified – PCN 2017 - 002
5KP	5.0V to 110V	6.4V to 122V	5kW	Axial	Case 5A (DO-204AR)	MSC Qualified Partner	Qualified – Q2 2018
15KP	22V to 280V	24.4V to 311V	15kW	Axial	Case 5A (DO-204AR)	MSC Qualified Partner	Qualified – Q2 2018
RT100KP	40V to 400V	44.4V to 444V	100kW	Axial	Case 5A (DO-204AR)	MSC Qualified Partner	Qualified – Q2 2018
SMBJSAC	5.0V to 75V	7.60V to 83.3V	500W	SMD	DO-214AA	MSC Qualified Partner	Qualified – PCN 2017 - 002
RT130KP	275V to 295V	300V	130kW	Axial	Case 5A (DO-204AR)	MSC Qualified Partner	Qualified – Q2 2018
RT65KP	48V to 75V	53.3V to 83.3V	65kW	Axial	Case 5A (DO-204AR)	MSC Qualified Partner	Qualified – Q2 2018
SMBG2K	3V to 5.0V	4.3V to 5.9V	300 to 2kW	SMD	DO-214AA, DO215AA	NA	EOL – PCN 2016-016
UPT, UPTB, UPTxxR	5V to 48V	6.0V to 54V	150W	SMD	PowerMite 1	MSC Qualified Partner	Qualified PCN 2020 - 001 Q1 2020

Contact Information:

If you have any questions concerning this change please contact your regional Microchip Sales person: <http://www.microsemi.com/sales-contacts/0>

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Any projected dates in this PCN are based on the most current product information at the time this PCN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Microsemi/Microchip Sales Office, the factory contact shown above, or your local distributor.

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