

**Microsemi Corporation**

October 12, 2020

**Product/Process Change Notification No: PCN2020-10-0001**

**Change Classification: Major**

**Subject: TO-3 Alternate Assembly Site Qualification, MMT**

**Description of Change:**

Qualification of an alternate assembly site for TO-3 metal can assembly from Team Pacific in Philippines to Microchip Technology (Thailand) Co. Ltd (MMT). MMT is a DLA approved assembly site for MIL-PRF-38535 Class Q assembly, test, and screening. They are the current assembly and test location for all other SG product QML Q and commercial ceramic and metal can products.

Prior to this change, TO-3 assembly and environmental screens were performed at Team Pacific in Taguig, Philippines. After implementation the entire process flow will be in a single site reducing excess handling and improving logistics.

There is no change in the materials, assembly flow, or assembly processes.

	<b>Current</b>	<b>Proposed</b>
Assembly and Environmental Screens Site	Team Pacific Philippines	Microchip Technology (Thailand) Co. Ltd (MMT)
Test and Burn-in	MMT Thailand	MMT Thailand
Group B, C, D	MMT Thailand	MMT Thailand
Assembly BOM	AuSi Eutectic Scrub 3.0 mil Al wire Cap weld	AuSi Eutectic Scrub 3.0 mil Al wire Cap weld
Part Assembly Location Mark	PHIL	THAI

**Reason for Change:**

To support corporate strategy for assembly consolidation into internal facilities.

**Application Impact:**

There will be no impact on form, fit, function, quality or reliability.

## Method of Identifying Changed Product:

Product assembled in MMT Thailand will be identifiable through product marking (“THAI”) on the xxx-883 and xxx-DESC products. Assembly location for commercial part numbers is available through Microchip traceability records.

## Products Affected by this Change:

CPN	GOVT ID	CPN	GOVT ID
SG109K-883B		SG7818AK-883B	
SG117AK		SG7818AK-DESC	5962-8991501YA
SG117AK-883B		SG7818K	
SG117AK-DESC	7703405YA	SG7818K-883B	
SG117HVK-DESC	7703402YA	SG7824AK	
SG117K		SG7824AK-883B	
SG117K-883B		SG7824AK-DESC	5962-8855401YA
SG117K-DESC	7703401YA	SG7824K	
SG117K-JAN	M38510/11704BYA	SG7824K-13087	
SG7805AK		SG7824K-883B	
SG7805AK-883B		SG79052AK	
SG7805AK-DESC	5962-8778201YA	SG79052AK-883B	
SG7805K		SG79052K-883B	
SG7805K-883B		SG7905AK	
SG7805K-JAN	M38510/10706BYA	SG7905AK-883B	
SG7808AK		SG7905AK-DESC	5962-8874601YA
SG7808AK-883B		SG7905K	
SG7808AK-DESC	5962-8962801YA	SG7905K-883B	
SG7808K		SG7905K-JAN	M38510/11505BYA
SG7808K-883B		SG7908K-883B	
SG7812AK		SG7912AK	
SG7812AK-883B		SG7912AK-883B	
SG7812AK-DESC	5962-8777601YA	SG7912AK-DESC	5962-8874701YA
SG7812K		SG7912K	
SG7812K-883B		SG7912K-883B	
SG7812K-JAN	M38510/10707BYA	SG7912K-JAN	M38510/11506BYA
SG7815AK		SG7915AK	
SG7815AK-883B		SG7915AK-883B	
SG7815AK-DESC	5962-8855301YA	SG7915AK-DESC	5962-8874801YA
SG7815K		SG7915K	
SG7815K-883B		SG7915K-883B	
SG7815K-JAN	M38510/10708BYA	SG7915K-JAN	M38510/11507BYA

SG7818AK		SGR117AK	
SG7818AK-10152		SGR117AK-883B	

Note: This is a list of Ordering Part Numbers (OPNs) as are found in product datasheets. Customers may track additional part number variants in their systems, so please consider this a base part list.

### Production Shipment Schedule:

Product from MMT assembly will ship no sooner than January 11, 2021. Shipment may occur prior to January 11, 2021 with customers approval.

### Qualification Data:

MIL-PRF-38535 Group B and Group D testing was performed on two devices to qualify the new assembly site. Qualification data is available upon request.

### Samples Availability:

Please contact your local Microchip representative to place sample orders.

<https://www.microchip.com/salesdirectory>

### Contact Information:

DPG Product Group / SG Product Line  
Microchip Corporation

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 Microchip Sales Office, the factory contact shown above, or your local distributor.

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## CHANGE APPROVAL SUPPLEMENT

### Customer Acknowledgement / Approval for

### Product/Process Change Notification No: PCN2020-10-0001

Microsemi Corporation intends to implement this change 90 days after this notification. Acknowledgement of your company's acceptance of this change is requested per contractual agreement. Response within 30 days is required.

Accepted

Rejected

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

**Please enter rationale for rejection, if applicable:**

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**Microsemi Headquarters**

One Enterprise, Aliso Viejo,  
CA 92656 USA  
Within the USA: +1 (800) 713-4113  
Outside the USA: +1 (949) 380-6100  
Sales: +1 (949) 380-6136  
Fax: +1 (949) 215-4996  
Email: [AVO-sales.support@microchip.com](mailto:AVO-sales.support@microchip.com)  
[www.microsemi.com](http://www.microsemi.com)

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**Microsemi Headquarters**

One Enterprise, Aliso Viejo, CA 92656 USA  
Within the USA: +1 (800) 713-4113 Outside the USA: +1 (949) 380-6100 Sales: +1 (949) 380-6136  
Fax: +1 (949) 215-4996 E-mail: [AVO-sales.support@microchip.com](mailto:AVO-sales.support@microchip.com)  
[www.microsemi.com](http://www.microsemi.com)  
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