

Microsemi Corporation

November 6, 2017

Product/Process Change Notification No: 160198

Change Classification: Major

Subject: Qualification of Unisem, Chengdu as a 2nd source for additional miSLIC™ products using the 48 QFN 7x7 package

Description of Change:

Microsemi is qualifying an additional assembly site for the Voice Line Circuits 48-pin miSLIC product family currently manufactured in ASE, Malaysia (ASEM). Unisem, Chengdu is already a qualified assembly site for other Microsemi products.

The package Bill of Material (BOM) for the two sites are listed in the table below.

	ASEM BOM	Unisem BOM
Mold Compound	CEL-9240HF10AK-G1	G770HP
Die Attach	CRM1076DS	AB 8290
Wire	0.8mil PdCu	0.8mil AuPdCu
Lead Finish	Matte-Tin	Matte-Tin

Reason for Change:

Unisem, Chengdu will be used as a dual source assembly supplier for 48 QFN 7x7 packaged products to support growing demand.

Product Identification:

The second line of the product's mark contains the manufacturing trace code "YYWWAZZ", where YY = Year, WW = Work Week, A = Assembly Location Code and ZZ = Wafer Lot Sequence. The current product from ASEM is printed with an assembly location code of "M". The assembly location code defined for Unisem, Chengdu will be "R".

Application Impact:

There is no impact to the customers' applications since there are no changes to form, fit, function, or product reliability as a result of the addition of this assembly site.

Method of Identifying Changed Product:

The assembly location is listed on the product package box and tape and reel labels.

Products Affected by this Change:

Package	Body Size	Pin Count	Ordering Part number
QFN	7x7	48	Le9642PQC / Le9642PQCT
QFN	7x7	48	Le9651PQC / Le9651PQCT
QFN	7x7	48	Le9652PQC / Le9652PQCT

Production Shipment Schedule:

Product from the new assembly site is planned to ship no sooner than February 5, 2018, unless customer waives the 90-day notification period.

Qualification Data:

The Qualification Report for this 7x7 QFN package accompanies this notification.

Samples Availability:

Samples are available upon request.

Please contact your local Microsemi representative to place sample orders.

Contact Information:

Communication Product Group
Microsemi Corporation
PCN@microsemi.com

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

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Microsemi Corporation (Nasdaq: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for aerospace & defense, communications, data center and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; enterprise storage and communication solutions; security technologies and scalable anti-tamper products; Ethernet solutions; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 4,800 employees globally. Learn more at www.microsemi.com.

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CHANGE APPROVAL SUPPLEMENT

Customer Acknowledgement / Approval for Product/Process Change Notification No: 160198

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: _____
