

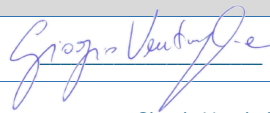
**em microelectronic**A COMPANY OF THE **SWATCH GROUP**

Rue des Sors CH-2074 Marin - Switzerland

Tel.: +41 32 755.5111

Fax: +41 58 770 19 53

Process/Product Change Notification**PCN No:** 26011**Date:** 01 July 2026

Title of the change	Additional manufacturing site (ATP3) for EM9304		
Product affected ^[1]	Part No. / Customer part No.	EM9304V01LF28B	
	Technology / Product Family	EM9304	
	Package	QFN 28 leads, 4x4	
	Process step (if applicable)	Package Assembly	
	Manufacturing facility	UTAC Thailand (UTL1)	
Type of notification	Advanced notification ☐ Final notification ☒		
Supplier contact information	Name: Marc Morin E-mail: Marc.Morin@emmico-us.com Tel: +1 (719) 641 7264		
Customer contact information	Name: Marion Paus (Inteltek) E-mail: mpaus@inteltek.com Tel: +49 7321 9385 44		
Proposed change	Change type	Product ☐	Process ☒
	Change category	Other (Multiple source manufacturing site)	
	ZVEI id (only for automotive)	N/A	
	Anticipated impact (form, fit, function, quality & reliability)	Low risk for customer	
	<u>Change description:</u> Additional manufacturing site Amkor Philippines (ATP3) for EM9304 MLF28 4x4. This site is already used for assembly of MLF packages. No change to package dimensions.		
Reason for change	Additional assembly plant		
Date change effective / Cut-off lot (if any)	90 days from reception of this form		
Date old product no longer available	N/A		
Proposed First ship Date	2026 Q3		
PPAP completion date (if requested)	N/A		
Date of qualification results available	2026 Q2		
Date of available samples	2026 Q2		
Customer feedback requested until	30 days from reception of this form		
APPROVAL			
Supplier approval	Signature / Date	 01.07.2026  08.07.2026	
	Name	Marc Morin Giorgio Ventimiglia	
	Function	BU Manager Head of Quality	
	For and on behalf of EM Microelectronic-Marin SA, CH-2074 Marin, Switzerland		
Customer decision	Approved ☐ Rejected ☐ Name _____ Signature / Date _____ / _____		
Remarks	- The final PCNs are issued as minimum 90 days before the proposed first ship date - If the customer does not reply within 30 days of mailing the PCN, it will be considered as an approval		

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Part numbers affected

EM part No.	Customer part No.	Technology	Product family	Package	Process step (if applicable)	Manufacturing facility
T9304N001Q08LF 028BD-6459	EM9304V01LF28B	TSMC 40 nm	EM9304	QFN28 4x4	Assembly	UTAC Thailand (UTL1)

Risk assessment

Category	Gap analysis	Estimated risk	Mitigation plan
Material	BOM change is only affecting the molding and die attach material. Finishing plating material will remain identical (NiPdAu)	Low	refer to qualification plan
Machine	Manufacturing lines have equivalent equipment	Low	refer to qualification plan
	Related processes at ATP3 are qualified for mass production	Low	refer to qualification plan
Method	QFN/MLF package design rules are similar between UTL and ATP	Low	refer to qualification plan
Man/Environment	ATP3 manufacturing plant is IATF16949:2016 and ISO 9001:2015 certified	Low	NA

Qualification plan / results

Test	Specification / Standard	Conditions	Sampling size/lots quantity	Acceptance criteria	Results
Package, assembly integrity test	AECQ100-based	As per original product qual.	30 data from 5 devices/3	0 fail and Cpk > 1.67	Passed
HTOL	EM 480002	As per original product qual.	32/3*	0 fail	Passed
Autoclave	EM 480007	As per original product qual.	32/3*	0 fail	Passed
THB	EM 480005	As per original product qual.	32/3*	0 fail	Passed
TC	EM 480006	As per original product qual.	32/3*	0 fail	Passed
HTSL	EM 480003	As per original product qual.	32/3*	0 fail	Passed
Product test correlation analysis	EM 470001-02	ATE	500 pcs	Pass/Fail	Passed

* Product family qualification