

PCN # 2038N

DATE: April 15, 2020

EXPECTED PCN SHIP DATE: April 15, 2020



Quality Assurance
160 Rio Robles
San Jose, CA 95134

www.maximintegrated.com

PROCESS CHANGE NOTICE

PRODUCT CHANGE NOTICE

MAXIM INTEGRATED HEREBY ISSUES NOTIFICATION OF CHANGE
THAT MAY AFFECT THE FOLLOWING CATEGORIES:

<input type="checkbox"/> DESIGN	<input type="checkbox"/> WAFER FAB	<input checked="" type="checkbox"/> ASSEMBLY	<input type="checkbox"/> TEST	<input type="checkbox"/> ELEC/MECH SPECS
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AFFECTED PRODUCT:

Ordering P/N: (See PN listing XLS in PCN ZIP file)
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CHANGE FROM: - Maxim products in SC70 package manufactured at current subcontractor Carsem/Malaysia	CHANGE TO: - Additional Assembler UTAC THAI LIMITED Thailand (UTL)
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JUSTIFICATION: - UTL is being added as a second assembler for these devices to ensure supply continuity for our customers. Both UTL and Carsem are the primary assembly partners for Maxim for products in SC70 package. A qualification report is attached (2028_UTL_Qual report). There are no regulatory compliance changes to the material content of the devices. There are no changes to form/fit/function at new assembler for these devices
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TRACEABILITY: Maxim Integrated maintains full traceability by device marking, packaging labels and shipment documents.
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Maxim Integrated's Change Notification System is designed to keep our customer base apprised of major product, manufacturing, or facility improvements.

Nasser Ali Chaouche

Nasser AliChaouche / PCN Coordinator

For further information, please contact either of the people listed below.

Contact your local Maxim Integrated Company Representative or Nasser AliChaouche, PCN Coordinator
408-601-5660 / pcn.coordinator@maximintegrated.com

Affected product numbers	Customer part number	PCN Proposed Ship Date
LM4040AEX3-3.3+T		15-Apr-20
LM4040BIX3-3.0+T		15-Apr-20
LM4050AEX3-2.5+T		15-Apr-20
MAX6138AEXR33+T		15-Apr-20
MAX6375XR22+		15-Apr-20
MAX6384XS31D3+T		15-Apr-20
MAX6389XS22D3+T		15-Apr-20
MAX6390XS31D4+T		15-Apr-20
MAX6466XR16+T		15-Apr-20
MAX6467XS46D3+T		15-Apr-20
MAX7375AXR105+T		15-Apr-20
MAX7375AXR185+T		15-Apr-20
MAX7375AXR405+T		15-Apr-20

Date 03/26/2007

PURPOSE

Qualify assembler UTL to build products in SC70

QUALIFICATION TEST RESULTS/ LOT INFORMATION:

TEST	REL#: R070009A	REL#: R070009B	REL#: R070009C
	DEVICE: MAX6737XKSFD3+	DEVICE: MAX6737XKSFD3+	DEVICE: MAX6737XKSFD3+
	DIE TYPE: MS77Y-1Z	DIE TYPE: MS77Y-1Z	DIE TYPE: MS77Y-1Z
	LOT#: SC71DA008Q1	LOT#: SC71DA008Q2	LOT#: SC71DA008Q3
	D/C: 0650	D/C: 0650	D/C: 0650
CONVECTION REFLOW *	0/150	0/150	0/150
TEMP CYCLE *2	1000X - 0/77	1000X - 0/77	1000X - 0/77
HIGH TEMP STORAGE	1000 HRS - 0/77	1000 HRS - 0/77	1000 HRS -0/77
HAST *2	100 HRS - 0/45	100 HRS - 0/45	100 HRS - 0/45
SOLDER SHOCK	0/15	0/15	0/15
RESISTANCE TO SOLDERING HEAT	0/15	0/15	0/14
PHYSICAL DIMENSIONS	0/15	0/15	0/15
SOLDERABILITY	0/15	0/15	0/15
PLATING THICKNESS	0/10	0/10	0/10

Note: *1 – Level 1 soak (85°C /85%R.H. for 168hrs) is used as preconditioning.

*2 – Convection solder reflow at 260°C Tp is used as preconditioning.

CONCLUSION

All qualification lots have passed Maxim reliability requirements. In addition, the package has completed moisture soak level 1 testing per JEDEC J-STD-020C, and solder reflow test at 260°C peak temperature (Tp). Therefore, assembler UTL (Thailand) is qualified to build products in SC70 package

Package Coverage

Packages that can be covered by this qualification result in accordance with Maxim Qual By Extension (QBE) policy are listed as follows:

SC70 packages assembled by UTL in package code X3+2, X4+1, X5+1

REVISION HISTORY

REV	CHANGES MADE	DATE	ORIGINATOR
A	Initial release: Report # R070009FQ Rev A.	03/26/07	Ping Lin
B	Add package coverage section: Add package code X3+2, X4+1, X5+1, to package coverage QBE section. Report # R070009FQ Rev B.	04/14/20	Ping Lin