

191211689 Additional 10MSOP Leadframe Supplier for Si401x

PCN Issue Date: 12/11/2019 Effective Date: 3/17/2020

PCN Type: Assembly

Description of Change

Silicon Labs is pleased to announce the successful qualification of ASM lead frame for Si401x 10MSOP package devices. Currently, Si401x 10MSOP package devices use Rokko lead frame. Both Rokko & ASM are qualified lead frame suppliers.

There is no change between Rokko and ASM lead frame in terms of material type, properties, dimensions, or a change in other Bill of Materials, Assembly Process, Assembly Flow, etc.

As of the effective date of the PCN, Silicon Labs will continue to fulfill orders using the lead frames from both Rokko & ASM. The package qualification report is attached.

Reason for Change

Lead frame tool is expiring at current lead frame supplier (Rokko) site.

Impact on Form, Fit, Function, Quality, Reliability

No impact to Form, Fit, Function, Quality & Reliability.

Product Identification

Existing Part #

SI4010-C2-AT

SI4010-C2-ATR

SI4010-C2-GT

SI4010-C2-GTR

SI4010-C2-ZT1

SI4010-C2-ZT1R

SI4010-C2-ZT4

SI4010-C2-ZT4R

SI4010-C2001AT

SI4010-C2001ATR

SI4010-C2002AT SI4010-C2002ATR

SI4010-C2003AT

SI4010-C2003ATR

SI4010-C2004AT

SI4010-C2004ATR

SI4010-C200FGT

SI4010-C200FGTR SI4010-C200RGT

SI4010-C200RGTR

SI4010-C200SGT

SI4010-C200SGTR

SI4010-C200WGT

SI4010-C200WGTR

SI4010-C200YGT

SI4010-C200YGTR

SI4010-C200ZGT

SI4010-C200ZGTR

SI4010-C2010GT

SI4010-C2010GTR

SI4010-C2012GT

SI4010-C2012GTR

SI4010-C2014GT

SI4010-C2014GTR

SI4010-C2017GT

SI4010-C2017GTR

SI4010-C2019GT

SI4010-C2019GTR

SI4010-C201AGT

SI4010-C201AGTR

SI4010-C201BGT

SI4010-C201BGTR

SI4010-C201GGT

SI4010-C201GGTR

SI4010-C201LGT

SI4010-C201LGTR

SI4010-C201MGT

SI4010-C201MGTR

SI4010-C201PGT

SI4010-C201PGTR

SI4010-C201QGT

SI4010-C201QGTR

SI4010-C201RGT

SI4010-C201RGTR

SI4010-C201SGT

SI4010-C201SGTR

SI4010-C201TGT

SI4010-C201TGTR

SI4010-C201UGT SI4010-C201UGTR

SI4010-C201YGT

SI4010-C201YGTR

SI4010-C2M00GT

SI4010-C2M00GTR

SI4010-C2M01GT

SI4010-C2M01GTR

SI4010-C2M02GT

SI4010-C2M02GTR

SI4010-C2M03GT

SI4010-C2M03GTR

SI4010-C2M04GT

SI4010-C2M04GTR

SI4010-C2M0RGT

SI4010-C2M0RGTR

SI4010-C2M0UGT

SI4010-C2M0UGTR

SI4010-C2P01GT SI4010-C2P01GTR

SI4010-C2P02GT

SI4010-C2P02GTR

SI4010-C2X-AT

SI4010-C2X-GT

SI4011-C1001GT

SI4011-C1001GTR

SI4011-C100EGT

SI4011-C100EGTR SI4011-C100GGT

SI4011-C100GGTR

SI4011-C100JGT

SI4011-C100JGTR

SI4011-C100KGT

SI4011-C100KGTR

SI4011-C100LGT SI4011-C100LGTR

SI4011-C100MGT

SI4011-C100MGTR SI4011-C100NGT SI4011-C100NGTR SI4011-C1X-GT SI4012-C1001AT SI4012-C1001ATR SI4012-C1001GT SI4012-C1001GTR

Last Date of Unchanged Product: 3/17/2020

Qualification Samples

Available upon request.

Customer Response

Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change, Ref. JEDEC-J-STD-046.

To request further data or inquire about this notification, please contact your Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at http://www.silabs.com.

Customers may approve early PCN acceptance by emailing approval, along with PCN # to PCNEarlyAcceptance@silabs.com

User Registration

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Qualification Data

Qualification report attached.



Si401x AEC-Q100 Qualification for ASM Leadframe 10-MSOP

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			LOT ID OF	Fall/Pass or	1000		27.
Test Name	Test Condition	Qualification	Start	End	Notes	Summary	Status
	lerated Environment Stress	s Tests					
UHAST	JA110		Q045709	0/80	1		
	130°C, 85%RH	3 lots, N=>77	Q045080	0/80		3 lots	Pass
	96 hours		Q045081	0/80		0/240	
Temp Cycle	JA104		Q045068	0/81			
	Cond C: -65°C to 150°C	3 lots, N=>77	Q045069	0/77		3 lots	Pass
	500 cycles		Q045070	0/79		0/237	
HTSL	JA103		Q045075	0/80			
	150°C, 1000hr	1 lot, N=>45	Q045076	0/80		3 lots	Pass
		1000	Q045077	0/80		0/240	
Test Group C - Pack	age Assembly Integrity Tes	ts	100			100	
Wire Bond Pull	M-STD-883		Q045071	0/30			
	Performed post-TC	5 units, N=>30	Q045072	0/30		3 lots	Pass
			Q045073	0/30		0/90	
Physical Dimensions	JB100		979826.1	0/10			
		3 lots, N=>10	979827.1	0/10		3 lots	Pass
		200705612.03270	979828.1	0/10		0/30	
Solderability	JB102		979826.1	0/15			
	00035	1 lot, N=>15	979827.1	0/15		3 lots	Pass
	I		979828.1	0/15		0/45	1000

Notes:

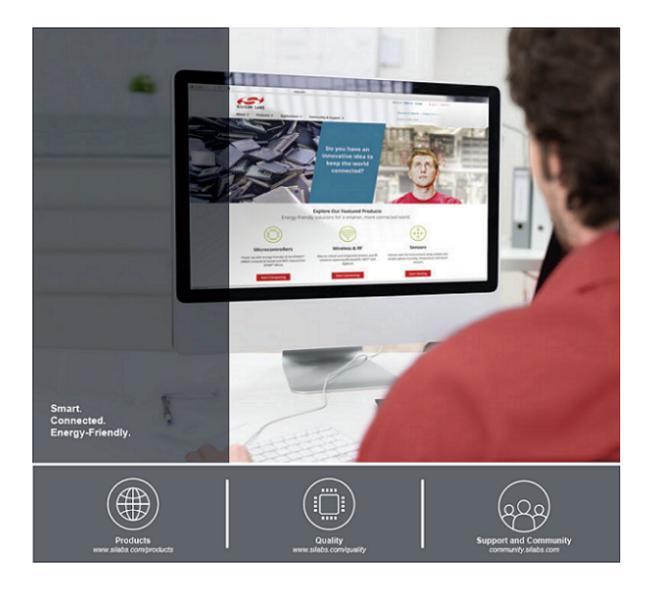
1. Parts are Pre-conditioned at MSL2/260°C

No. of the last of		
Si4010-Cx		
Si4011-Cx		
Si4012-Cx		
0.0000000000000000000000000000000000000		

1 sllabe.com | Si401x-C_UNISEM_LF_ASM

Prepared on: 28-Nov-2019 by Wilson Choy

Si401x-C_AEC_Qual_Report_UNISEM_LF_ASM



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