



2104131029 BOM Change for Si401x ,10-MSOP, in UTAC Thailand

PCN Issue Date: Apr 13, 2021

Effective Date: Jul 19, 2021

PCN Type: Assembly

Description of Change

Silicon Labs is pleased to announce the change of BOM (Bill of Materials) for Si401x ,10-MSOP, manufactured in UTAC Thailand (UTL). Details of change are mentioned in the table below. UTL is an existing Assembly, Test & Shipping site for this product.

UTL Ship Address:
UTAC Thai Limited
Wellgrow Industrial Estate, 73 Moo 5, Bangna-Trad (KM.36)
T.Bangsamak, Bangpakong Chachoengsao 24180 Thailand
Bangkok
Zip code: 24180

As of the effective date of this PCN, Silicon Labs will fulfill orders from either the existing or new BOM. Once the current BOM is depleted, orders will be 100% fulfilled from the new BOM.

Reason for Change

To standardize 10MSOP BOM in UTL

Impact on Form, Fit, Function, Quality, Reliability

There is no change on form, fit, function, quality or reliability.

Product Identification

Existing Part #
SI4010-C200FGT
SI4011-C100JGTR
SI4010-C2P02GT
SI4010-C200FGTR
SI4010-C200RGT
SI4010-C200RGTR
SI4010-C2M04GT
SI4010-C200SGT
SI4010-C200SGTR
SI4010-C2M02GT
SI4010-C200WGT
SI4010-C200WGTR
SI4010-C2M03GTR
SI4010-C200YGT
SI4010-C2M04GTR
SI4011-C1001GTR
SI4010-C200YGTR
SI4010-C200ZGT
SI4011-C100GGTR
SI4011-C100KGTR
SI4010-C200ZGTR
SI4010-C2010GT
SI4010-C2M20GTR

SI4010-C2010GTR
SI4010-C2M20GT
SI4010-C2012GT
SI4010-C2012GTR
SI4010-C2014GT
SI4010-C2M0RGTR
SI4010-C2014GTR
SI4010-C2-GT
SI4010-C2017GT
SI4010-C2017GTR
SI4010-C2019GT
SI4010-C2019GTR
SI4011-C100EGTR
SI4010-C201AGT
SI4010-C201AGTR
SI4010-C201BGT
SI4010-C201BGTR
SI4010-C201GGT
SI4010-C2-GTR
SI4011-C100MGT
SI4010-C201GGTR
SI4011-C100MGTR
SI4010-C2-ZT1R
SI4011-C1001GT
SI4011-C100JGT
SI4011-C100GGT
SI4010-C201LGT
SI4011-C100KGT
SI4010-C201LGTR
SI4010-C201MGT
SI4010-C201MGTR
SI4012-C1001GTR
SI4010-C201PGT
SI4011-C100LGTR
SI4010-C201PGTR
SI4011-C100LGT
SI4010-C2M02GTR
SI4010-C201QGT
SI4010-C2M03GT
SI4011-C100NGT
SI4010-C201QGTR
SI4010-C2P01GT
SI4010-C201RGT
SI4010-C201RGTR
SI4010-C201SGT
SI4010-C201SGTR
SI4010-C201TGT
SI4010-C201TGTR
SI4010-C201UGT
SI4010-C201UGTR
SI4010-C201YGT
SI4010-C201YGTR
SI4012-C1001GT
SI4010-C2020GT
SI4010-C2020GTR
SI4011-C100EGT
SI4010-C2P02GTR
SI4010-C2P01GTR
SI4010-C2M0RGT
SI4011-C100NGTR
SI4010-C2M0UGT
SI4010-C2M0UGTR
SI4010-C2-ZT1

Last Date of Unchanged Product: Jul 19, 2021

Qualification Samples

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

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Qualification Data

Please refer to the Qualification report below.

BOM	Current BOM	New BOM
Mold Compound	Sumitomo EME-G600	Sumitomo EME-G633CB
Wire	4N Gold, 1.0 mil	AuPdCu, 1.0 mil

BOM Table

Si401x-GT Qualification Report



W7101F1 - Product Qualification Report Record Rev. H

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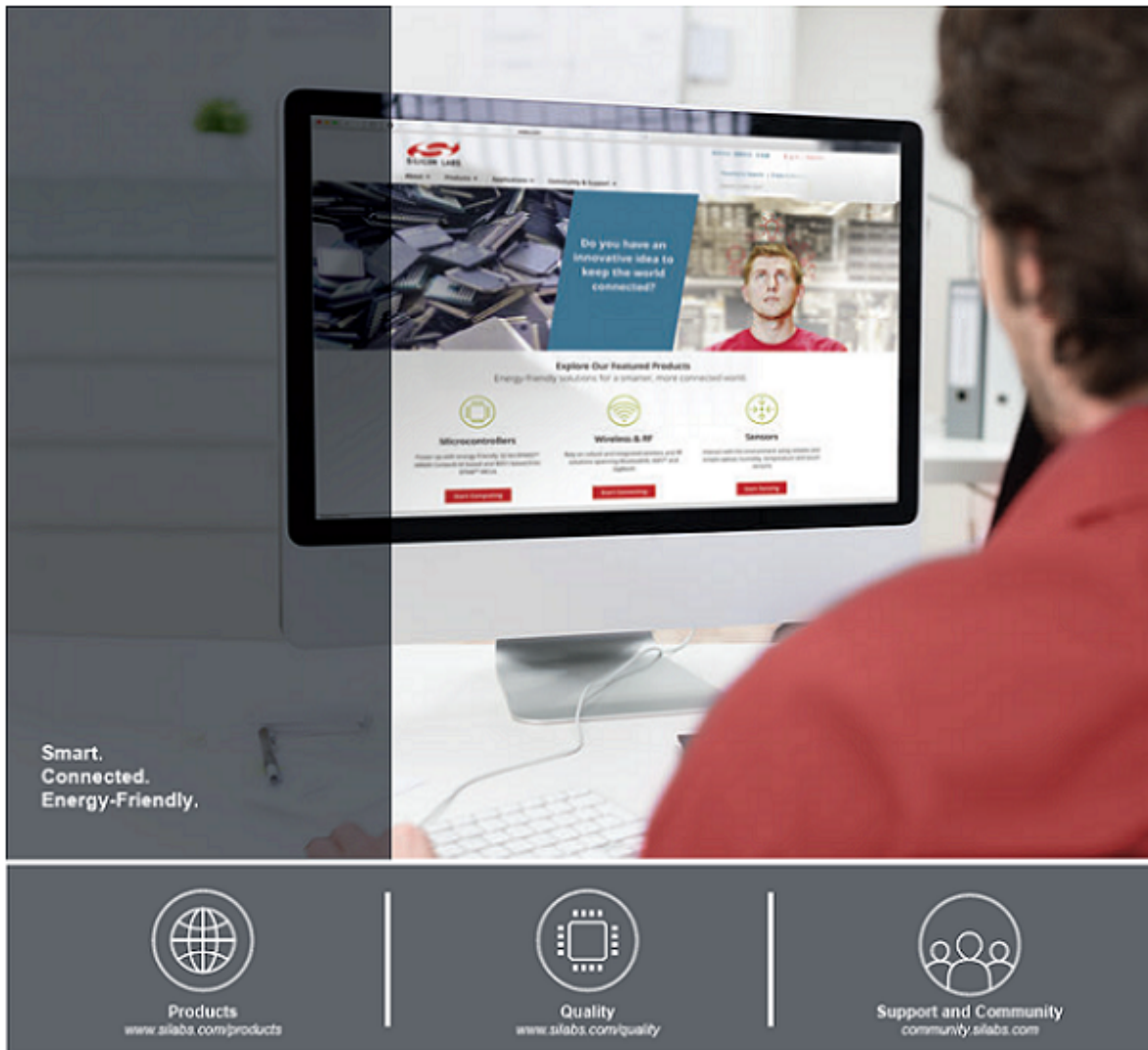
Part Rev C2, TSMC Fabrication, UTL 10-MSOP AuPdCu Wire

Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status
Test Group A – Accelerated Environment Stress Tests - 10MSOP - UTL							
HAST	JA110 130°C, 85%RH Vcc=3.6V, 96 hours	3 lots, N=>25	Q047489	0/30	1	3 lots 0/90	Pass
			Q047493	0/30			
			Q047495	0/30			
Temp Cycle	JA104 Cond C: -85°C to 150°C 500 cycles	3 lots, N=>25	Q047267	0/25	1	3 lots 0/75	Pass
			Q047268	0/25			
			Q047269	0/25			
HTSL	JA103 150°C, 1000hr	3 lots, N=>25	Q047270	0/25	1	3 lots 0/75	Pass
			Q047271	0/25			
			Q047272	0/25			
Test Group B – Accelerated Lifetime Simulation Tests							
HTOL	JA108 T _J ≥ 125°C, Dynamic Vcc=3.6V, 1000 hours	3 lots, N=>77	Q029729	0/80		3 lots 0/240	Pass
			Q030319	0/80			
			Q030320	0/80			
LTOL	JA108 T _A = -10°C, Dynamic Vcc=3.6V, 1000 hours	1 lot, N=>32	Q022643	0/78		1 lot 0/78	Pass
ELFR	JA108 T _J ≥ 125°C, Dynamic Vcc=3.6V, 48 hours	3 lots, N=>500	Q029612	0/810		3 lots 0/2426	Pass
			Q030542	0/810			
			Q030553	0/806			
Test Group E – Electrical Verification							
ESD-HBM	JA114	1 lot, N=>3	Q029675			2000V	Class H2
ESD-CDM	JC101	1 lot, N=>3	Q029730			1000V	Class C6
Latch Up	JESD78 ±200mA Overvoltage = 5.4V	1 lot, N=>3	Q029115 Q029116		25 °C 85 °C		Pass

Notes:
1. Parts are Pre-conditioned at MSL2 @ 260C Preconditioning

This report applies to the following part numbers:		
Si4010-C2-GT	Si4010-C2-ZT1	Si4011-C1001GT Si4012-C1001GT

Qualification Report



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