2308091468 Additional Assembly, Test and Ship Site for BT122 Modules

PCN Issue Date: Aug 09, 2023 **Effective Date:** Nov 15, 2023

PCN Type: Assembly; Test

Description of Change

Silicon Labs is pleased to announce the successful qualification of STARSMICRO (STARS Microelectronics) as an additional assembly, test and ship site for BT122 module production. There is no change in Test program. STARSMICRO is certified to ISO 9001, ISO 14001 and IATF 16949.

As of the effective date of this PCN, Silicon Labs will start assembling, testing and shipping BT122 modules from STARSMICRO.

STARSMICRO Ship Address:
STARS Microelectronics (Thailand) PCL
Bang Pa-In Industrial Estate (I-EA-T Free Zone), 605-606 Moo 2, Klongjig, Bang Pa-In
Ayutthaya 13160, Thailand

Reason for Change

The additional assembly and test location will provide additional capacity for supply assurance.

Impact on Form, Fit, Function, Quality, Reliability

No change to Form, Fit, Function, Quality or Reliability.

Product Identification

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Existing Part #
BT122-A-V2
BT122-A-V2R
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Last Date of Unchanged Product: Nov 15, 2023

Qualification Samples

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 PCN@silabs.com

User Registration

Register today to create your account on Silabs.com. Your personalized profile allows you to receive technical document updates, new product announcements, “how-to” and design documents, product change notices (PCN) and other valuable content available only to registered users. **http://www.silabs.com/profile**

Qualification Data

Please refer to qualification report below.

BT122 Qualification Report

SILICON LABS

BT122							
Test Name	**Test Condition**	**Qualification**	**Lot ID or Start**	**Fail/Pass or End**	**Notes**	**Summary**	**Status**
Test Group A – Accelerated Environment Stress Tests							
Preconditioning	JESD22-A113 MSL3: 260°C 30°C / 60%RH / 192 Hr	1 lot, N=>10	Q047234 Q050290	0/34 0/12	2 3	2 lots 0/46	Pass
Temp Cycle	JESD22-A104 Cond N: -40°C to 85°C 1500 cycles	1 lot, N=>10	Q047191 Q050291	0/12 0/10	1,2 1,3	2 lots 0/22	Pass
Test Group C – Package Assembly Integrity Tests							
Mechanical Shock	JESD22-B110, Cond. B (1500g)	1 lot, N=>10	Q047192 Q050295	0/10 0/10	2 3	2 lots 0/20	Pass
Mechanical Vibration	JESD22-B103, Cond. 1 (20-2000Hz)	1 lot, N=>10	Q047193 Q050294	0/10 0/10	2 3	2 lots 0/20	Pass
Cleanliness Assessment	IPC-TM-650 2.3.28B	1 lot, N=>10	Q047194 Q050293	0/10 0/10	2 3	2 lots 0/20	Pass
Test Group E – Electrical Verification							
ESD-CDM	JS-002	1 lot, N=>3	Q047587 Q050292	0/3 0/3	2 3	1000V 1000V	Class C3

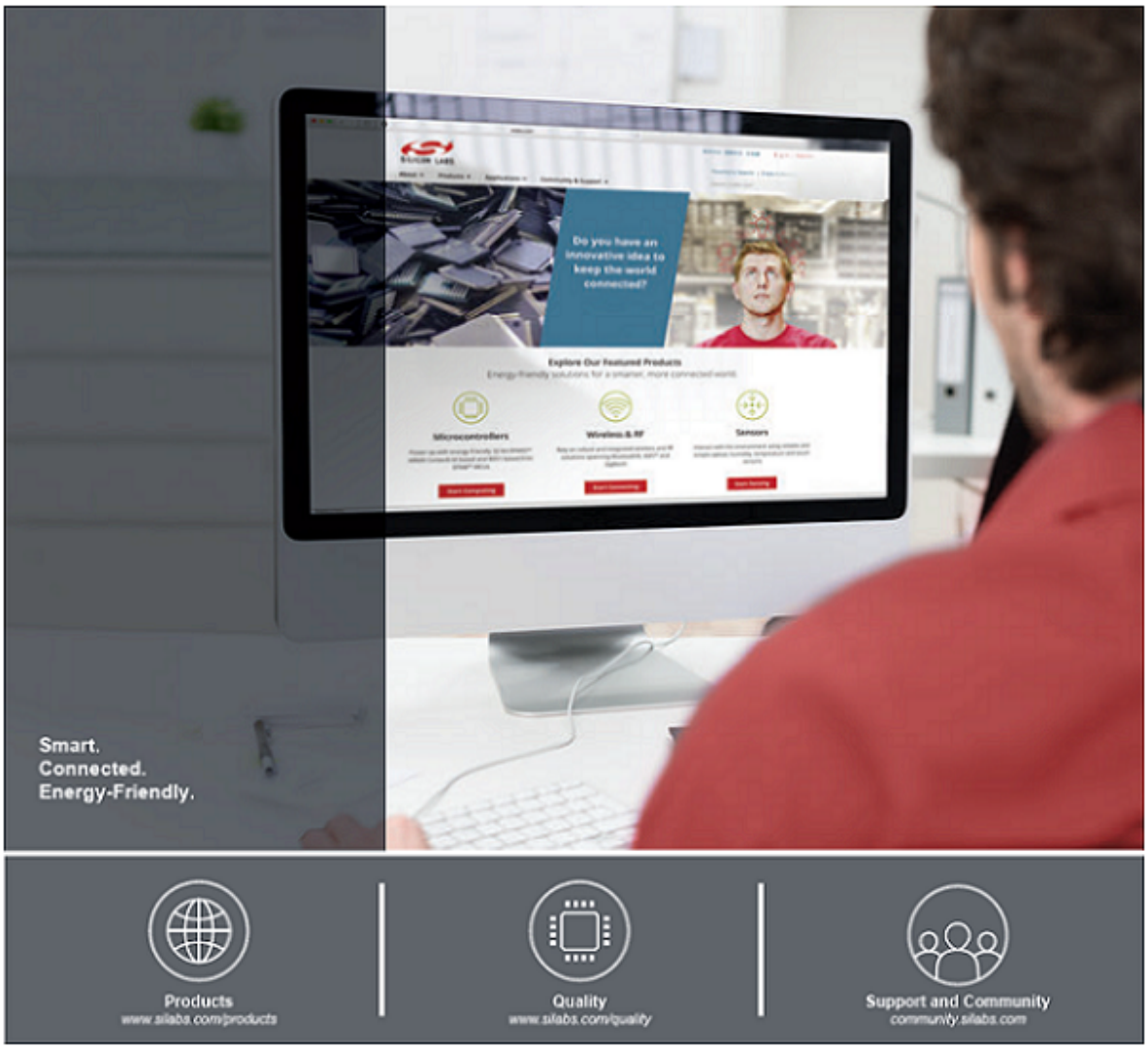
Notes:
1. Parts are Pre-conditioned at MSL3/260°C
2. USIKS China assembly and test location
3. STARS Microelectronics Thailand assembly and test location

This report applies to the following part numbers:
BT122

Approved by: Wilson Choy

1 of 1

Prepared on: 25-July-23



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