



2303221430 Alternate Crystal Supplier for xGM240S

PCN Issue Date: Mar 22, 2023

Effective Date: Jun 28, 2023

PCN Type: Assembly

Description of Change

Silicon Labs is pleased to announce the successful qualification of additional crystal supplier (TXC) for xGM240S SIP modules. Upon PCN effective date, Silicon Labs will begin shipping the products listed below with any one of the qualified crystals - Tai-Saw – TZ3541C (or) TXC – 8Y39072006.

Reason for Change

New crystal supplier qualification to mitigate supply constraint.

Impact on Form, Fit, Function, Quality, Reliability

No impact on Form, Fit, Function, Quality, Reliability.

Product Identification

Existing Part #
BGM240SA22VNA2
BGM240SA22VNA2R
BGM240SB22VNA2
BGM240SB22VNA2R
MGM240SA22VNA2
MGM240SA22VNA2R
MGM240SD22VNA2
MGM240SD22VNA2R

Last Date of Unchanged Product: Jun 28, 2023

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

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

Available upon request.



BGM240S/MGM240S Qualification Report for Tai-Saw Crystal

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Part Rev A, TSMC Fabrication, ASEKR assembly except as noted							
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=>25	Q050044	0/80	1	1 lot 0/80	Pass
Test Group C – Package Assembly Integrity Tests							
Mechanical Shock	JESD22-B110, Cond. B (1500g)	1 lot, N=>39	Q050045	0/44	1	1 lot 0/44	Pass
Mechanical Vibration	JESD22-B103, Cond. 1 (20-2000Hz)	1 lot, N=>39	Q050046	0/44	1	1 lot 0/44	Pass
Constant Acceleration	MIL-STD-883, Cond B (10,000g)	1 lot, N=>39	Q050047	0/44	1	1 lot 0/44	Pass

Notes:

1. Qualification of alternate crystal Tai Saw

This report applies to the following part numbers:

BGM240SA22VNA2	BGM240SB22VNA2
MGM240SA22VNA2	MGM240SD22VNA2



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