



2303081418 Additional Assembly, Test and Ship Site for BGM220P and BGX220P Modules

PCN Issue Date: Mar 08, 2023

Effective Date: Jun 14, 2023

PCN Type: Assembly; Test

Description of Change

Silicon Labs is pleased to announce the successful qualification of Ryder Shenzhen as an additional assembly, test and ship site for BGM220P module production. Ryder Shenzhen is certified to ISO9001.

As of the effective date of this PCN, Silicon Labs will start assembling, testing and shipping BGM220P and BGX220P modules from Ryder.

Ryder Shenzhen Address
Ryder Electronics (Shenzhen) Ltd.
Costal 1
139 Da Bao Road
Bao An, District 33
518133 SHENZHEN CHINA

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

This notification includes both standard and customer-specific part numbers. An asterisk * represents a number or letter (one or more) in a customer-specific part number.

Existing Part #
BGM220PC22HNA2
BGM220PC22HNA2R
BGM220PC22WGA2
BGM220PC22WGA2R
BM22P2WGP*A2
BM22P2WGP*A2R
MGM220PC22HNA2
MGM220PC22HNA2R
BGX220P22HNA21
BGX220P22HNA21R

Last Date of Unchanged Product: Jun 14, 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 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

Please refer to qualification report below.

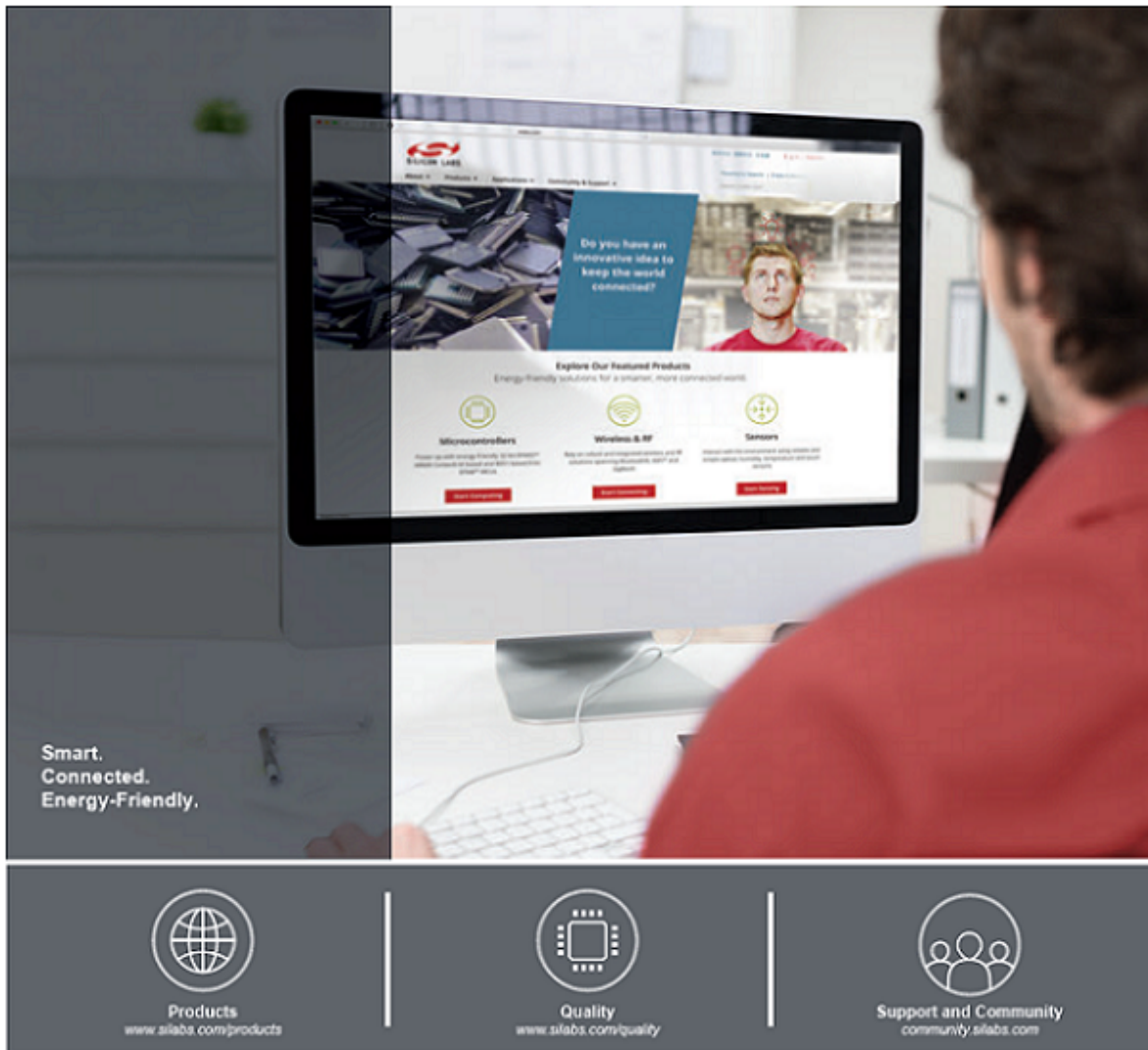
BGM220P, MGM220P, BGX220P Qualification Report



| BGM220P, MGM220P, BGX220P DELTA China 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=>10 | Q045504 Q049884 | 0/12 0/12 | 2 | 2 lots 0/24 | Pass |
| Temp Cycle | JESD22-A104 Cond G: -40°C to 125°C 850 cycles | 1 lot, N=>10 | Q045506 Q049873 | 0/12 0/11 | 1 1, 2 | 2 lots 0/23 | Pass |
| Test Group C – Package Assembly Integrity Tests | | | | | | | |
| Mechanical Shock | JESD22-B110, Cond. B (1500g) | 1 lot, N=>10 | Q045509 Q049881 | 0/10 0/10 | 2 | 2 lots 0/20 | Pass |
| Mechanical Vibration | JESD22-B103, Cond. 1 (20-2000Hz) | 1 lot, N=>10 | Q045510 Q049882 | 0/10 0/10 | 2 | 2 lots 0/20 | Pass |
| Cleanliness Assessment | IPC-TM-650 2.3.28B | 1 lot, N=>10 | Q045511 Q049880 | 0/10 0/10 | 2 | 2 lots 0/20 | Pass |
| Test Group E – Electrical Verification | | | | | | | |
| ESD-CDM | JS-002 | 1 lot, N=>3 | Q045561 Q049886 | | 2 | 500V 500V | Class 2a Class 2a |

- Notes:
- Parts are Pre-conditioned at MSL3/260°C
 - RYDER China assembly

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| This report applies to the following part numbers: |
| BGM220P MGM220P BGX220P |



Disclaimer

Silicon Labs intends to provide customers with the latest, accurate, and in-depth documentation of all peripherals and modules available for system and software implementers using or intending to use the Silicon Labs products. Characterization data, available modules and peripherals, memory sizes and memory addresses refer to each specific device, and "Typical" parameters provided can and do vary in different applications. Application examples described herein are for illustrative purposes only. Silicon Labs reserves the right to make changes without further notice and limitation to product information, specifications, and descriptions herein, and does not give warranties as to the accuracy or completeness of the included information. Silicon Labs shall have no liability for the consequences of use of the information supplied herein. This document does not imply or express copyright licenses granted hereunder to design or fabricate any integrated circuits. The products are not designed or authorized to be used within any Life Support System without the specific written consent of Silicon Labs. A "Life Support System" is any product or system intended to support or sustain life and/or health, which, if it fails, can be reasonably expected to result in significant personal injury or death. Silicon Labs products are not designed or authorized for military applications. Silicon Labs products shall under no circumstances be used in weapons of mass destruction including (but not limited to) nuclear, biological or chemical weapons, or missiles capable of delivering such weapons.

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