



# Process/Product Change Notification (PCN)

## General PCN Information

|                                         |                                                                                                                                                                                                                                       |                                       |                       |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------|
| PCN # 22-0069                           | QM78210/QM78218 Controller Design Change                                                                                                                                                                                              | PCN Date                              | May 11, 2022          |
| Initiator                               | Clint Yap                                                                                                                                                                                                                             | Date                                  | May 11, 2022          |
| Post to PCN Alert?                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                   | E-mail                                | PCNresponse@qorvo.com |
| Type of Change:                         | <input checked="" type="checkbox"/> Major <input type="checkbox"/> Minor                                                                                                                                                              | <input type="checkbox"/> Obsolescence |                       |
| Change Affects                          | <input type="checkbox"/> Form <input type="checkbox"/> Fit <input checked="" type="checkbox"/> Function <input type="checkbox"/> Reliability <input type="checkbox"/> N/A<br><input checked="" type="checkbox"/> Other: Design Change |                                       |                       |
| Description of Change:                  | New CMOS controller has better leakage current across process. The new controller also has better linearity performance during digital setting changes to register 0x09. Reference attachment for additional details.                 |                                       |                       |
| Reason for Change:                      | This change improves the electrical performance of the part.                                                                                                                                                                          |                                       |                       |
| Detail of potential impact to customer: | Improves performance on certain narrow conditions if applicable as stated in the Change Description.                                                                                                                                  |                                       |                       |
| Affected Products:                      | QM78210, QM78218                                                                                                                                                                                                                      |                                       |                       |
| Comments and/or Supporting Data:        | Click on icon to view additional details:                                                                                                          |                                       |                       |

## The following only applies to Major and Minor Changes

|                                                    |                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Affected Product Specification (if applicable):    | None                                                                                                |
| Qualification Plan or Data (if applicable):        | Qorvo's Standard Qualification Plan                                                                 |
| Customer Samples Available (if applicable):        | May 18, 2022: Available Now: Contact Clint Yap (clint.yap@qorvo.com) with your sample requirements. |
| Qualification Results Available (if applicable):   | Jun 15, 2022: Available on request after this date.                                                 |
| Planned First Ship Date:                           | Sep 1, 2022: Shipments can begin with customer approval                                             |
| Identification of Changed Product (if applicable): | Traceability to change is maintained internally in Qorvo's systems.                                 |

**Customer Acknowledgement/Responses:** All Customer responses must be sent via e-mail to PCNResponse@qorvo.com. When replying, please include the PCN number in subject line. Customers should acknowledge receipt of the PCN within 30 days of delivery of the PCN. Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change. Any concerns, sample order response, or a request for further information must be provided within the acknowledgement period. If additional time is required to determine if samples or additional data is required, the customer must submit this request along with the acknowledgement response and state when they expect to complete their review. After acknowledgement, lack of additional response prior to the planned first ship date constitutes acceptance of the change. If the customer requires additional time to perform sample testing, beyond the stated planned first ship date, an extension must be negotiated with Qorvo. Acceptance of the PCN prior to the planned first ship date is considered approval to begin shipments early. Any contractual PCN agreements made with Qorvo supersede these requirements.

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