

## Product Change Notification

<b>PCN No.</b>	Quectel_PCN_2022041102	<b>Date of Issue</b> (DD/MM/YYYY)	11/04/2022
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### 1. General Information

<b>Type of Change</b>	<ol style="list-style-type: none"> <li>V_BCKP Circuit Design Change</li> <li>Thermal Adhesives Adding</li> <li>Shield Can Design Optimization</li> <li>UART Circuit Design Optimization</li> </ol>
<b>Description of Change</b>	<p>For LG69T module:</p> <ol style="list-style-type: none"> <li>Quectel will add an RC circuit to the V_BCKP pin.</li> <li>Quectel will add thermal adhesives (model: <b>65-00-GEL30-0300</b>) that can be used on the upper layer of BB (<b>U101</b>) and MCU (<b>U202</b>).</li> <li>Quectel will change the one-piece shield can to the two-piece shield can, and the thickness of module is changed from 3.1 mm to 3.3 mm.</li> <li>Quectel will add external capacitors based on the UART circuit</li> </ol>
<b>Reason of Change</b>	<ol style="list-style-type: none"> <li>V_BCKP Circuit Design Change: To enhance the ESD protection capability, an RC circuit will be added to the V_BCKP pin as recommended by the chip manufacturer (ST).</li> <li>Thermal Adhesives Adding and Shield Can Design Optimization: The above changes will be made to achieve a better thermal dissipation performance of the module.</li> <li>UART Circuit Design Optimization: In order to optimize the waveform quality of serial port, Quectel will optimize the UART circuit design.</li> </ol>

### 2. Products Affected

Model	Pre-Change Ordering Code	Post-Change Ordering Code
LG69T	LG69TAPMD	LG69TAPGMD

#### Sample Release Date:

Samples of Post-Change Products will be available as of 11/04/2022 (DD/MM/YYYY).

#### Proposed First Shipment Date:

The shipment of Post-Change Products will start on 05/07/2022 (DD/MM/YYYY) unless Quectel receives a prior notice of refusal.

### 3. Customer Impact and Recommended Action

- The thickness of the "Post-Change Product" is 3.3 mm (changed from 3.1 mm; Please pay attention to the structural interference).
- Pin definition, function, quality and reliability remain unchanged.
- OC has been changed from LG69TAPMD to LG69TAPGMD. Firmware version remains unchanged.
- After the customer accepts the PCN, subsequent shipments will be switched to "Post-Change Product".

#### 4. Customer Acknowledgement of Receipt

Please acknowledge the receipt of this PCN and submit your acknowledgement response by sending an email to [info\\_PCN@quectel.com](mailto:info_PCN@quectel.com) within 30 days of receiving the PCN.

Lack of acknowledgement of the PCN and/or the acknowledgement response within the said time limit constitutes tacit acceptance; thus, Quectel shall implement the change as indicated above.

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