

RENESAS TECHNICAL UPDATE

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|--------------------|---|----------|----------------------|--|------|------|
| Product Category | MPU/MCU | | Document No. | TN-RZ*-A018A/E | Rev. | 1.00 |
| Title | Usage Note for Power shut-off and resume of RZ/G Series | | Information Category | Technical Notification | | |
| Applicable Product | RZ/G Series, RZ/G1H, M and N | Lot No. | Reference Document | RZ/G Series User's Manual: Hardware Rev.1.00 | | |
| | | All lots | | | | |

There is a following usage note about the RZ/G series products.

[Summary]

Cortex-A15, Cortex-A7 and other power domains cannot be shut off and resume the power at the same time.

This usage note explains the way to avoid the conflict of power shut-off and resume sequence.

[Products]

RZ/G1H, M and N

[Note]

There is no specification change (usage note only).

RZ/G1E does not related to this usage note because it does not have power shut-off function.

[Usage Note]

To avoid the conflict of power shut-off and resume sequence.

After checking all following register values, start the next power shut-off and resume sequence.

| Module | Register and Value | Comment |
|------------|--------------------|--|
| CPG (APMU) | CA15WUPCR = 0 | Cortex-A15 power domain is not power resume sequence. |
| CPG (APMU) | CA7WUPCR = 0 | Cortex-A7 power domain is not power resume sequence. |
| SYSC | SYSCSR = 3 | All power domains are not power shut-off and resume sequence |

[Description]

If this limitation does not be kept, there is a possibility not to finish the power sequence. It causes software hung-up.

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