RENESAS TECHNICAL UPDATE

1753, Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668 Japan
Renesas Electronics Corporation

Product Category	MPU/MCU		Document No.	TN-RZ*-A002A/E	Rev.	1.00
Title	RZ/A1 Series: Notes about data fetch mode of Capture Engine Unit		Information Category	Technical Notification		
Applicable Product	See following	Lot No.	Reference Document	See following		
		All				

In RZ/A1H Group, RZ/A1M Group, and RZ/A1L Group, a bug about data fetch mode of capture engine unit (CEU) is found.

Notes about data fetch mode of capture engine unit (CEU) are as follows.

According to this update, relevant manuals will be revised.

Applicable products and relevant documents

Applicable products		Relevant documents	Rev.	Document number
series	Group			
RZ/A	RZ/A1L	RZ/A1L Group User's Manual: Hardware	Rev 1.00	R01UH0437EJ0100
	RZ/A1M(Note), RZ/A1H	RZ/A1H Group User's Manual: Hardware	Rev 1.00	R01UH0403EJ0100

(Note) RZ/A1M is planned to be added in the next revision of User's Manual.

[1] Condition

If "Data enable fetch mode" is set for data fetch mode of CEU.

[2] Phenomenon

If data transfer of captured next flame is started before data transfer of captured current flame is not completed,

there is a possibility that data transfer can not be completed.

In the bug case, internal bus is locked then LSI operation will be stopped.

In order to recover from this state, reset by reset pin is required.

[3] Restriction

"Data enable fetch mode (JPG[1:0] bit of CAMCR register = 2'b10)" is prohibited as data fetch mode of CEU.

Please use "Data synchronous fetch mode".

End of document

RENESAS