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Renesas Electronics Corporation

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RENESAS TECHNICAL UPDATE

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Product Category	Application specific IC		Document No.	TN-ASP-A021A/E	Rev.	1.00
Title	Pipe setting for M66596 Isochronous – OUT Transfer (Usage Precautions)		Information Category	Technical Notification		
Applicable Product	USB ASSP M66596	Lot No.	Reference Document	M66596 Data Sheet (REJ03F0119)		

1. General Description

This update provides pipe settings for M66596 regarding use of Isochronous OUT (ISO-OUT) transfers.
When using M66596 in the conditions described in Section 2 below, use the pipe settings described in Section 3.

2. Usage Conditions

The pipe settings described in Section 3 should be used when all three of the following usage conditions apply:

1. Using Host mode
2. Using Full-Speed transfer mode
3. Using ISO-OUT transfers

*However, this usage note does not affect Host mode Hi-Speed transfers or Peripheral mode (including Full-Speed) operations.

3. Valid Pipe Settings

Use the following pipe settings when the above usage conditions apply.

	PIPE1	PIPE2	PIPE6
When using PIPE1 for ISO-OUT transfers	ISO-OUT	Not used or BULK-IN/OUT	Not used or INT-IN/OUT
When using PIPE2 for ISO-OUT transfers	Not used or ISO-IN or BULK-IN/OUT	ISO-OUT	Not used

*1. Two pipes (both PIPE1 and PIPE2) cannot be used for ISO-OUT transfers.

When 2 pipes are needed for ISO-OUT transfers, use the Hi-Speed transfer mode.

*2. Other pipes can be set as needed. For more details, please refer to the M66596 Data Sheet.