

To our customers,

Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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RENESAS TECHNICAL UPDATE

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Renesas Technology Corp.

Product Category	MPU MCU		Document No.	TN-SH7-A762A/E	Rev.	1.00
Title	Amendment to Product Code Lineup in the SH7216 Group Hardware Manual		Information Category	Technical Notification		
Applicable Product	SH7216 Group SH7214 Group	Lot No.	Reference Document	SH7216 Group Hardware Manual Rev. 1.01 (REJ09B0543-0101)		
		after 0948(EIA code)				

We would like to inform you the following products were added to table B.1 Product Code Lineup, in Appendix B, Product Code Lineup. See below for details.

Product Type							
Product Name	Classification	ROM Capacity	RAM Capacity	Application	Operating temperature	Product Code	Package (Package Code)
SH7216A	F-ZTAT (the FPU and Ether functions enabled, $f_{\phi} = 200$ MHz)	1 Mbytes	128 Kbytes	Industrial application	-40 to +85 °C	R5F72167ADFP	PLQP0176KB-A FP-176EV
						R5F72167ADFA	PLQP0176LA-B
						R5F72167ADBG	PLBG0176GA-A BP-176V
		768 Kbytes	96 Kbytes	Industrial application	-40 to +85 °C	R5F72166ADFP	PLQP0176KB-A FP-176EV
						R5F72166ADFA	PLQP0176LA-B
						R5F72166ADBG	PLBG0176GA-A BP-176V
		512 Kbytes	64 Kbytes	Industrial application	-40 to +85 °C	R5F72165ADFP	PLQP0176KB-A FP-176EV
						R5F72165ADFA	PLQP0176LA-B
						R5F72165ADBG	PLBG0176GA-A BP-176V

Product Type								
Product Name	Classification	ROM Capacity	RAM Capacity	Application	Operating temperature	Product Code	Package (Package Code)	
SH7216B	F-ZTAT (the FPU function enabled, the Ether function disabled, $f_{\phi} = 200$ MHz)	1 Mbytes	128 Kbytes	Industrial application	-40 to +85 °C	R5F72167BDFP	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72167BDFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72167BDBG	PLBG0176GA-A BP-176V	
		768 Kbytes	96 Kbytes	Industrial application	-40 to +85 °C	R5F72166BDFP	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72166BDFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72166BDBG	PLBG0176GA-A BP-176V	
	512 Kbytes	64 Kbytes	Industrial application	-40 to +85 °C	R5F72165BDFP	PLQP0176KB-A FP-176EV		
			Industrial application	-40 to +85 °C	R5F72165BDFA	PLQP0176LA-B		
			Industrial application	-40 to +85 °C	R5F72165BDBG	PLBG0176GA-A BP-176V		
	SH7216G	F-ZTAT (the FPU and Ether functions enabled, $f_{\phi} = 100$ MHz)	1 Mbytes	128 Kbytes	Industrial application	-40 to +85 °C	R5F72167GDFP	PLQP0176KB-A FP-176EV
					Industrial application	-40 to +85 °C	R5F72167GDFA	PLQP0176LA-B
					Industrial application	-40 to +85 °C	R5F72167GDBG	PLBG0176GA-A BP-176V
768 Kbytes			96 Kbytes	Industrial application	-40 to +85 °C	R5F72166GDFP	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72166GDFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72166GDBG	PLBG0176GA-A BP-176V	
512 Kbytes		64 Kbytes	Industrial application	-40 to +85 °C	R5F72165GDFP	PLQP0176KB-A FP-176EV		
			Industrial application	-40 to +85 °C	R5F72165GDFA	PLQP0176LA-B		
			Industrial application	-40 to +85 °C	R5F72165GDBG	PLBG0176GA-A BP-176V		

Product Type								
Product Name	Classification	ROM Capacity	RAM Capacity	Application	Operating temperature	Product Code	Package (Package Code)	
SH7216H	F-ZTAT (the FPU function enabled, the Ether function disabled, $f_{\phi} = 100$ MHz)	1 Mbytes	128 Kbytes	Industrial application	-40 to +85 °C	R5F72167HDFP	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72167HDFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72167HDBG	PLBG0176GA-A BP-176V	
		768 Kbytes	96 Kbytes	Industrial application	-40 to +85 °C	R5F72166HDFP	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72166HDFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72166HDBG	PLBG0176GA-A BP-176V	
	512 Kbytes	64 Kbytes	Industrial application	-40 to +85 °C	R5F72165HDFP	PLQP0176KB-A FP-176EV		
			Industrial application	-40 to +85 °C	R5F72165HDFA	PLQP0176LA-B		
			Industrial application	-40 to +85 °C	R5F72165HDBG	PLBG0176GA-A BP-176V		
	SH7214A	F-ZTAT (the FPU function disabled, the Ether function enabled, $f_{\phi} = 200$ MHz)	1 Mbytes	128 Kbytes	Industrial application	-40 to +85 °C	R5F72147ADFP	PLQP0176KB-A FP-176EV
					Industrial application	-40 to +85 °C	R5F72147ADFA	PLQP0176LA-B
					Industrial application	-40 to +85 °C	R5F72147ADBG	PLBG0176GA-A BP-176V
768 Kbytes			96 Kbytes	Industrial application	-40 to +85 °C	R5F72146ADFP	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72146ADFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72146ADBG	PLBG0176GA-A BP-176V	
512 Kbytes		64 Kbytes	Industrial application	-40 to +85 °C	R5F72145ADFP	PLQP0176KB-A FP-176EV		
			Industrial application	-40 to +85 °C	R5F72145ADFA	PLQP0176LA-B		
			Industrial application	-40 to +85 °C	R5F72145ADBG	PLBG0176GA-A BP-176V		
SH7214B		F-ZTAT (the FPU and Ether functions disabled, $f_{\phi} = 200$ MHz)	1 Mbytes	128 Kbytes	Industrial application	-40 to +85 °C	R5F72147BDFP	PLQP0176KB-A FP-176EV
					Industrial application	-40 to +85 °C	R5F72147BDFA	PLQP0176LA-B
					Industrial application	-40 to +85 °C	R5F72147BDBG	PLBG0176GA-A BP-176V
	768 Kbytes		96 Kbytes	Industrial application	-40 to +85 °C	R5F72146BDFP	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72146BDFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72146BDBG	PLBG0176GA-A BP-176V	
	512 Kbytes	64 Kbytes	Industrial application	-40 to +85 °C	R5F72145BDFP	PLQP0176KB-A FP-176EV		
			Industrial application	-40 to +85 °C	R5F72145BDFA	PLQP0176LA-B		
			Industrial application	-40 to +85 °C	R5F72145BDBG	PLBG0176GA-A BP-176V		

Product Type								
Product Name	Classification	ROM Capacity	RAM Capacity	Application	Operating temperature	Product Code	Package (Package Code)	
SH7214G	F-ZTAT (the FPU function disabled, the Ether function enabled, $f_{\phi} = 100$ MHz)	1 Mbytes	128 Kbytes	Industrial application	-40 to +85 °C	R5F72147GDFF	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72147GDFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72147GDBG	PLBG0176GA-A BP-176V	
		768 Kbytes	96 Kbytes	Industrial application	-40 to +85 °C	R5F72146GDFF	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72146GDFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72146GDBG	PLBG0176GA-A BP-176V	
	512 Kbytes	64 Kbytes	Industrial application	-40 to +85 °C	R5F72145GDFF	PLQP0176KB-A FP-176EV		
			Industrial application	-40 to +85 °C	R5F72145GDFA	PLQP0176LA-B		
			Industrial application	-40 to +85 °C	R5F72145GDBG	PLBG0176GA-A BP-176V		
	SH7214H	F-ZTAT (the FPU and Ether functions disabled, $f_{\phi} = 100$ MHz)	1 Mbytes	128 Kbytes	Industrial application	-40 to +85 °C	R5F72147HDFP	PLQP0176KB-A FP-176EV
					Industrial application	-40 to +85 °C	R5F72147HDFA	PLQP0176LA-B
					Industrial application	-40 to +85 °C	R5F72147HDBG	PLBG0176GA-A BP-176V
768 Kbytes			96 Kbytes	Industrial application	-40 to +85 °C	R5F72146HDFP	PLQP0176KB-A FP-176EV	
				Industrial application	-40 to +85 °C	R5F72146HDFA	PLQP0176LA-B	
				Industrial application	-40 to +85 °C	R5F72146HDBG	PLBG0176GA-A BP-176V	
512 Kbytes		64 Kbytes	Industrial application	-40 to +85 °C	R5F72145HDFP	PLQP0176KB-A FP-176EV		
			Industrial application	-40 to +85 °C	R5F72145HDFA	PLQP0176LA-B		
			Industrial application	-40 to +85 °C	R5F72145HDBG	PLBG0176GA-A BP-176V		