

# RENESAS TECHNICAL UPDATE

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

Product Category	MPU/MCU		Document No.	TN-SH7-A798A/E	Rev.	1.00
Title	SH7786 Wide Temperature Range Product		Information Category	Technical Notification		
Applicable Product	SH7786 Group	Lot No.	Reference Document	SH7786 Group User's Manual: Hardware Rev.1.00 Nov. 30, 2010 (REJ09B0501-0100)		
		All lots				

The SH7786 wide temperature range product is newly line-upped (gray parts).

## [Summary]

Reference document 'Appendix F Product Lineup', the wide temperature range product R8A77860HBGV is newly line-upped to the SH7786 group as follows.

## Product Lineup

Product Name	Voltage	Operating Frequency	Product Code	Operating Temperature	Package
SH7786	1.2V	533MHz	R8A77860NBGV	-20 to +85°C	593 pin BGA(Lead-free)
			R8A77860HBGV	-40 to +85°C	

## Mark Example (laser mark)

Product Lineup	Current Product	Wide Temperature Range Product
Product Code	R8A77860NBGV	R8A77860HBGV

  

Mark Example		
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Note that, there is no change for electrical characteristics\*, function, package and pin arrangement except operating temperature range.

Note \*: Though the condition of the operating temperature (Topr or Ta) is -40 to +85 °C, the Min, Typ and Max values of each item of the electrical characteristics of the R8A77860HBGV are same as the reference document 'Section 34 Electrical Characteristics' of the R8A77860NBGV that operating temperature range is -20 to 85 °C.

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