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**R5S72691W266BG**



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- Products
- Microcontrollers (MCU) and Microprocessors (MPU)
- SuperH Family
- SH7260 Series
- SH7268, SH7269
- R5S72691W266BG**

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- Product Spec
- Order Information
- Package

**Product Spec**

- Basic Information
- Memory
- CPU (Bit, Clock, DMA, External Bus etc)
- Timers
- Analog
- Interfaces
- Display Functions
- Operating Conditions
- Remarks

Basic Information	
Product Status	Mass Production
Family	SuperH
Series	SH7260
Group	SH7269

Memory	
Program memory	0 KB ROMless
RAM	2624 KB
Cache Memory Remark	8 KB (instruction), 8 KB (operand), 4-way set associative

CPU (Bit, Clock, DMA, External Bus etc)	
CPU	SH2A-FFU (32-bit)
Max. Frequency	266 MHz
Sub-Clock (32.768 kHz)	YES
FLL	YES
Real-Time Clock (RTC)	YES
Power-On Reset	YES
Floating Point Unit	YES
DMA Remarks	DMACx 16 ch
External Address/Data Bus	YES
External Interrupt Pins	17
I/O Ports	149

Timers	
16-bit Timers	7 ch
Watchdog Timers	1 ch
Other Timers	10-bit timer x 2
PWM Output	32
3-Phase PWM Output Function	YES

Analog	
A/D Converters	10-bit x 8 ch

Interfaces	
CAN	3 ch
USB Ports	1
USB Host	YES
USB Peripheral	YES
USB High-Speed Support	YES
USB Remarks	Low-speed Support (Host only)
CSIs	16 ch
SPIs	5 ch
UARTs	8 ch
I2Cs	4 ch
IEBus	1 ch
Serial Interface Remarks	SCIF (CSI:8ch/UART:8ch), RSPI (SPI:2ch), RQSPI (SPI:2ch), SPI multi (SPI:1ch), SSI (CSI:6ch), SIOF (CSI:1ch), SPDIF (CSI:1ch)



Display Functions	
High-resolution display controller	VDC4: SVGA (800 x 600)

Operating Conditions	
Operating Voltage	3.0 to 3.6 V
Power Supply	VCC = 1.15 to 1.35 V, PVCC = 3.0 to 3.6 V, PLLVCC = 3.0 to 3.6 V, AVCC = 3.0 to 3.6 V, USBVCC = 1.15 to 1.35 V, USBAPVCC = 3.0 to 3.6 V, VDAVCC = 3.0 to 3.6 V, VSS = AVSS = VDAVSS = 0 V
Operating Temperature	-20 to 85 ... (Ambient Temperature)

Remarks
Automotive, General Purpose, LCD Control, Connectivity

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### Order Information

Orderable Part No. <a href="#">?</a>	Date of PLP Termination	Production Status <a href="#">?</a>	Packing	EJ RoHS	RoHS-pdf (China-RoHS)
R5S72691W266BG#UD	 Feb. 2029	Mass Production	Tray	Compliant	 <a href="#">English</a>

 : Product participating in the Product Longevity Program. [More information on the Product Longevity Program](#)

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### Package

Package	
Pins	272
Pin pitch	0.8 mm
Package Type	FBGA
Body Size	17x17 mm <sup>2</sup>
Package drawing	 <a href="#">prbg0272ga_a</a>
Mount pad drawing	 <a href="#">fig0013e</a>
Mounting height	1.9 mm
Mass	0.9 g
Renesas code	FRBG0272GA-A
JETA code	P-FBGA272-17x17-0.80

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