

Products

Microcontroller and Microprocessor

R8C Family

R8C/2x

R8C/27

R5F21276JFP

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- Package

Product Spec

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

Basic Information	
Product Status	Mass Production
Family	R8C
Series	R8C/2x
Group	R8C/27

Memory	
Program memory	32 KB Flash memory
RAM	1.5 KB
Data Flash	2 KB

CPU (Bit, Clock, DMA, External Bus etc)	
CPU	R8C (16-bit)
Max. Frequency	20 MHz
On-chip Oscillator Freq.	20 MHz, Low Speed Oscillator 125 kHz
Power-On Reset	YES
Low Voltage Detection	YES
External Interrupt Pins	7
I/O Ports	25

Timers	
8-bit Timers	3 ch
16-bit Timers	1 ch
Watchdog Timers	1 ch
PWM Output	4

Analog	
A/D Converters	10-bit x 12 ch

Interfaces	
CSIs	3 ch
UARTs	2 ch
I2Cs	1 ch
LIN	1 ch

Operating Conditions	
Operating Voltage	2.7 to 5.5 V
Operating Temperature	-40 to 85 °C (Ambient Temperature)

Remarks	
Automotive	

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Order Information

Orderable Part No.	Order	Production Status	Packing	Terminal material (Surface)	EU RoHS	RoHS-pdf (China-RoHS)
R5F21276JFP#U0	Contact	Mass Production	Tray	Sn-Cu	Compliant	English
R5F21276JFP#V4	Contact	Mass Production	Tape & Reel	Sn-Cu	Compliant	English

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Package

Package	
Pins	32
Pin pitch	0.8 mm
Package Type	LQFP
Body Size	7x7 mm ²
Package drawing	plqp0032gb_a
Mount pad drawing	fig0009e
Mounting height	1.7 mm
Mass	0.2 g
Renesas code	PLQP0032GB-A (old: 32P6U-A)
JEITA code	P-LQFP32-7x7-0.80

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