

**R5F1007CANA**

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Products Overview Documentation Design Support

Product Spec  Order Information  Package & Packing

**Product Spec**

Price	-	PWM Output.	-
CPU	RL78	8-bit A/D Converter (ch)	0
Max. Freq (MHz)	32	10-bit A/D Converter (ch)	6
Subclock (32.768kHz)	NO	12-bit A/D Converter (ch)	0
Bit Size	16	16Bit A/D Converter	0
Family	<a href="#">RL78</a>	8-bit D/A Converter (ch)	0
Series	<a href="#">RL78/G1x</a>	10-bit D/A Converter (ch)	0
Group	<a href="#">RL78/G13</a>	12-bit D/A Converter (ch)	0
Memory Management Unit.	NO	14-bit or more D/A Converter (ch)	0
FPU	NO	Operating Temperature Max (°C)	85
RAM	2	Operating Temperature Min (°C)	-40
Program memory	32	CAN (ch)	0
Pin Count	24	Ethernet	NO
Data Flash (KB)	4	USB Host	NO
Program Memory Type	Flash memory	USB Peripheral	NO
Cache type	-	USB OTG	-
Int. main oscillator freq	32	I2C-bus	3
PLL	NO	Ext. address bus	-
RTC	YES	Ext. data bus (Bit)	-
Operating Voltage Max	5.5	External Interrupt Pins	5
Operating Voltage Min	1.6	LCD_Com	-
Note1	-	Low Voltage Detection	YES
Note2	-	Power-On Reset	YES
I/O Ports CMOS I/O	18	DMAC	2
On-Chip Debug	YES	EXDMAC	-
8-bit Timer (ch)	0	CSI	2
16-bit Timer (ch)	8	UART	2
32-bit Timer (ch)	0	Lin	0
Watchdog Timer (ch)	1	IEBus	-
Other timer	Interval Timer x 1 ch	Remarks	-
PWM Output (up to 8Bit)	-	Application	-
PWM Output (9-16Bit)	3	Production Status	Mass Production

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**Order Information**

Orderable Part No.	Production Status.	Packing	Environmental	remark
R5F1007CANA#U0	Mass Production	Tray	Pb Free	-

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**Package & Packing**

[p24k8-50-cab](#) [fig0012e](#)

Package	
Renesas code	PWGN0024KE-A
Previous code	P24K8-50-CAB-1
JEITA code	P-HWQFN24-4x4-0.50
Name	HWQFN
Terminal count	24
Terminal pitch (mm)	0.5
Dimensions (mm)	4x4
Mass (g) [Reference value]	0.04
Mounting height (mm) [MAX]	0.8
Terminal material - Base	Cu alloy
Terminal material - Surface	Ni/Pd/Au
Drawing Link	<a href="#">p24k8-50-cab</a>
Mount pad	<a href="#">fig0012e</a>
Remarks	Exposeddiepadtype

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