

# R5F2136ACNFP

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## Product Spec

Price	-	PWM Output.	11(shared with TimerRB, TimerRC, TimerRD, TimerRG)
CPU	R8C	8-bit A/D Converter (ch)	-
Max. Freq (MHz)	20	10-bit A/D Converter (ch)	12
Subclock (32.768kHz)	YES	12-bit A/D Converter (ch)	-
Bit Size	16	16Bit A/D Converter	-
Family	R8C	8-bit D/A Converter (ch)	2
Series	R8C/3x	10-bit D/A Converter (ch)	-
Group	R8C/36C	12-bit D/A Converter (ch)	-
Memory Management Unit.	NO	14-bit or more D/A Converter (ch)	-
FPU	NO	Operating Temperature Max (°C)	85
RAM	8	Operating Temperature Min (°C)	-20
Program memory	96	CAN (ch)	-
Pin Count	64	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	20	I2C-bus	2
PLL	NO	Ext. address bus	-
RTC	YES	Ext. data bus (Bit)	-
Operating Voltage Max	5.5	External Interrupt Pins	9
Operating Voltage Min	1.8	LCD_Com	-
Note1	-	Low Voltage Detection	YES
Note2	-	Power-On Reset	YES
I/O Ports CMOS I/O	59	DMAC	-
On-Chip Debug	YES	EXDMAC	-
8-bit Timer (ch)	3	CSI	0
16-bit Timer (ch)	5	UART	3
32-bit Timer (ch)	-	Lin	-
Watchdog Timer (ch)	1	IEBus	-
Other timer	-	Remarks	-
PWM Output (up to 8Bit)	-	Application	-
PWM Output (9-16Bit)	-	Production Status	Mass Production

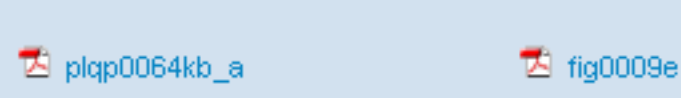
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## Order Information

Orderable Part No.	Production Status.	Packing	Environmental	remark
R5F2136ACNFP#X4	Mass Production	Tape & Reel	Pb free(pure-Sn)	-
R5F2136ACNFP#V0	Mass Production	Tray	Pb free(pure-Sn)	-

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## Package & Packing



Package	
Renesas code	PLQP0064KB-A
Previous code	64P6Q-A
JEITA code	P-LFQFP64-10x10-0.50
Name	LFQFP
Terminal count	64
Terminal pitch (mm)	0.5
Mass (g) [Reference value]	0.3
Mounting height (mm) [MAX]	1.7
Terminal material - Base	Cu alloy
Terminal material - Surface	Sn-Pb or Sn-Cu or Sn
Drawing Link	<a href="#">plqp0064kb_a</a>
Mount pad	<a href="#">fig0009e</a>

Packing	
Container JEDEC tray	<a href="#">tray0029</a>
Packing JEDEC Tray Complete dry pack	<a href="#">tray-D</a>
Packing Tape Complete dry pack	<a href="#">tape-D</a>
Container Tape	<a href="#">tape2074</a>

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