

Products

MPU & MCU

H8 Family

H8/300H Tiny

H8/3687

HD64F3687FZJV

OverviewDocumentationDesign Support

Product Spec

Order Information

Package & Packing

Price	-	PWM Output.	14-bit PWM, TimerZ, TimerV
CPU	H8/300H	8-bit A/D Converter (ch)	-
Max. Freq (MHz)	20	10-bit A/D Converter (ch)	8
Subclock (32.768kHz)	YES	12-bit A/D Converter (ch)	-
Bit Size	16	16Bit A/D Converter	-
Family	H8	8-bit D/A Converter (ch)	-
Series	H8/300H Tiny	10-bit D/A Converter (ch)	-
Group	H8/3687	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	4	Operating Temperature Min (°C)	-40
Program memory	56	CAN (ch)	-
Pin Count	64	Ethernet	NO
Data Flash (KB)	-	USB Host	NO
Program Memory Type	Flash memory	USB Peripheral	NO
Cache type	-	USB OTG	-
Int. main oscillator freq	20	I2C-bus	1
PLL	NO	Ext. address bus	-
RTC	NO	Ext. data bus (Bit)	-
Operating Voltage Max	5.5	External Interrupt Pins	11
Operating Voltage Min	3	LCD_Com	-
Note1	-	Low Voltage Detection	NO
Note2	-	Power-On Reset	NO
I/O Ports CMOS I/O	45	DMAC	-
On-Chip Debug	YES	EXDMAC	-
8-bit Timer (ch)	3	CSI	0
16-bit Timer (ch)	2	UART	2
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
HD64F3687FZJV	Mass Production	-	-	-

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Package & Packing

plqp0064kc_a

fig0009e

Package	
Renesas code	PLQP0064KC-A
Previous code	FP-64E
JEITA code	P-LFQFP64-10x10-0.50
Name	LFQFP
Terminal count	64
Terminal pitch (mm)	0.5
Dimensions (mm)	10x10
Mass (g) [Reference value]	0.4
Mounting height (mm) [MAX]	1.7
Terminal material - Base	Fe-Ni alloy
Terminal material - Surface	Sn-Pb
Drawing Link	 plqp0064kc_a
Mount pad	 fig0009e

Packing	
Container Custom tray	tray1015_tray1029
Container JEDEC tray	 tray0071
Packing Custom Tray Complete dry pack	 tray-D
Packing JEDEC Tray Complete dry pack	 tray-D
Packing Tape Complete dry pack	 tape-D
Container Tape	 tape2090

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