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HomeProductsMicrocontrollers (MCU) and Microprocessors (MPU)H8SX FamilyH8SX/1600H8SX/1657

R5F61657CW35FTV

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Products

Microcontrollers (MCU) and Microprocessors (MPU)
H8SX Family
H8SX/1600
H8SX/1657
R5F61657CW35FTV

OverviewDocumentationDesign Support

Product SpecOrder InformationContactPackage

Product Spec

Basic InformationMemoryCPU (Bit, Clock, DMA, External Bus etc)TimersAnalogOperating Conditions

Basic Information	
Product Status	Mass Production
Family	H8SX
Series	H8SX/1600
Group	H8SX/1657

Memory	
Program memory	768 KB Flash memory
RAM	24 KB

CPU (Bit, Clock, DMA, External Bus etc)	
CPU	H8SX (32-bit)
Max. Frequency	35 MHz
PLL	YES
External Interrupt Pins	13
I/O Ports	81

Timers	
8-bit Timers	4 ch
16-bit Timers	6 ch
32-bit Timers	2 ch
Watchdog Timers	1 ch
PWM Output	15(shared with TPU)

Analog	
A/D Converters	10-bit x 8 ch
D/A Converters	8-bit x 2 ch

Operating Conditions	
Operating Voltage	3 to 3.6 V
Operating Temperature	-40 to 85 °C ()

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Order Information

Orderable Part No.	Order	Date of PLP Termination	Production Status ?	EU RoHS	RoHS-pdf (China-RoHS)
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DF61657CW35FTV	Contact	 Jan. 2024	Mass Production	Compliant	English
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 : Product participating in the Product Longevity Program. [More information on the Product Longevity Program](#)

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Package

Package	
Pins	120
Pin pitch	0.4 mm
Package Type	TFQFP
Body Size	14x14 mm ²
Package drawing	ptqp0120la_a
Mount pad drawing	fig0009e
Mounting height	1.2 mm
Mass	0.5 g
Renesas code	PTQP0120LA-A (old: TFP-120V)
JEITA code	P-TFQFP120-14x14-0.40

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