

UPD78F1822AGBA-GAH-G

User's Manual: Hardware



Product Info

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Product Spec



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

Basic Information

Product Status	Mass Production
Family	78K
Series	78K0R/Fx
Group	78K0R/Fx3

Memory

Program memory	128 KB Flash memory
RAM	8 KB
Data Flash	16 KB

CPU (Bit, Clock, DMA, External Bus etc)

CPU	78K0R (16-bit)
Max. Frequency	24 MHz
On-chip Oscillator Freq.	8, 4 MHz
Power-On Reset	YES
Low Voltage Detection	YES
DMA Remarks	DMAC x 2 ch
External Interrupt Pins	8
I/O Ports	55

Timers

16-bit Timers	20 ch
Watchdog Timers	1 ch
PWM Output	20

Analog	
A/D Converters	10-bit x 15 ch

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

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

Remarks	
Remarks	Automotive

Package	
Pins	64
Terminal pitch (mm)	0.5 mm
Package Type	LFQFP
Dimensions (mm)	10x10 mm ²
Drawing Link	 p64gb-50-gah
Mount pad	 fig0009e
Mounting height (mm)[MAX]	1.6 mm
Mass (g) [TYP,]	0.33 g
Renesas code	PLQP0064KF-B (old: P64GB-50-GAH-2)
JEITA code	P-LFQFP64-10x10-0.50
Remarks	LQFP(matrix line),PPF TYPE
Terminal material - Base	Cu alloy
Terminal material - Surface	Ni/Pd/Au

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