Renesas Electronics America Inc - UPD78F0471GC-GAD-AX Datasheet

Welcome to E-XFL.COM

What is "Embedded - Microcontrollers"?

"Embedded - Microcontrollers" refer to small, integrated circuits designed to perform specific tasks within larger systems. These microcontrollers are essentially compact computers on a single chip, containing a processor core, memory, and programmable input/output peripherals. They are called "embedded" because they are embedded within electronic devices to control various functions, rather than serving as standalone computers. Microcontrollers are crucial in modern electronics, providing the intelligence and control needed for a wide range of applications.

Applications of "Embedded - Microcontrollers"

Details	
Product Status	Active
Core Processor	78K/0
Core Size	8-Bit
Speed	10MHz
Connectivity	3-Wire SIO, LINbus, UART/USART
Peripherals	LCD, LVD, POR, PWM, WDT
Number of I/O	62
Program Memory Size	16KB (16K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	768 x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V
Data Converters	-
Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount
Package / Case	80-LQFP
Supplier Device Package	-
Purchase URL	https://www.e-xfl.com/product-detail/renesas-electronics-america/upd78f0471gc-gad-ax

1.5 78K0/Lx3 Microcontroller Series Lineup

ROM	RAM	78K0/LC3	78K0/LD3	78K0/LE3	78K0/LF3
		48 Pins	52 Pins	64 Pins	80 Pins
60 KB	2 KB			μPD78F0465 μPD78F0455 μPD78F0445	μPD78F0495 μPD78F0485 μPD78F0475
48 KB	2 KB			μPD78F0464 μPD78F0454 μPD78F0444	μPD78F0494 μPD78F0484 μPD78F0474
32 KB	1 KB	μPD78F0413 μPD78F0403	μPD78F0433 μPD78F0423	μPD78F0463 μPD78F0453 μPD78F0443	μPD78F0493 μPD78F0483 μPD78F0473
24 KB	1 KB	μPD78F0412 μPD78F0402	μPD78F0432 μPD78F0422	μPD78F0462 μPD78F0452 μPD78F0442	μPD78F0492 μPD78F0482 μPD78F0472
16 KB	768 B	μPD78F0411 μPD78F0401	μPD78F0431 μPD78F0421	μPD78F0461 μPD78F0451 μPD78F0441	μPD78F0491 μPD78F0481 μPD78F0471
8 KB	512 B	μPD78F0410 μPD78F0400	μPD78F0430 μPD78F0420		