

UPD78F1502AGK-GAK-AX

User's Manual: Hardware

Overview

Design Support

Documentation

Sample Code

Software & Tools

Ordering

PARAMETRICS

Parameters	UPD78F1502AGK-GAK-AX
Package	
Pin Count	80
Package Type	LFQFP
Memory	
Program memory	128 KB Flash memory
RAM	7 KB
CPU (Bit, Clock, DMA, External Bus etc)	
CPU	78K0R (16-bit)
Max. Frequency	20 MHz
Sub-Clock (32.768 kHz)	YES
On-chip Oscillator Freq.	20, 8, 1 MHz
Power-On Reset	YES
Low Voltage Detection	YES
DMA Remarks	DMAC x 2 ch
External Interrupt Pins	8
I/O Ports	51
Timers	
16-bit Timers	12 ch
Watchdog Timers	1 ch
PWM Output	5
Analog	
A/D Converters	12-bit x 8 ch
D/A Converters	12-bit x 2 ch
Interfaces	
CSIs	2 ch
UARTs	3 ch
I2Cs	2 ch
LIN	1 ch
Display Functions	
LCD Remarks	seg=27, com=8
Operating Conditions	
Operating Voltage	1.8 to 5.5 V
Operating Temperature	-40 to 85 °C (Ambient Temperature)
Remarks	
Remarks	80-pin 16-bit single-chip microcontroller (78K0R/LF3)

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