



UPD70F3939AGJA-GAE-G

EOL Announced Products

EOL Announced Products:

Discontinuation of production has been announced for these products. They should no longer be used in new designs.

The V850E/Sx3-H are 32-bit single-chip microcontrollers that include the V850E1 CPU core and peripheral functions such as ROM/RAM, a timer/counter, serial interfaces, an A/D converter, and a D/A converter. The V850E/Sx3-H include an IEBus™ (Inter Equipment Bus™) controller for the automotive LAN, and some of the models also include a CAN (Controller Area Network) controller and enable extremely high cost performance for automotive use multimedia equipment such as car audio systems.

PARAMETRIGS

Parameters	UPD70F3939AGJA-GAE-G
Memory	
Program memory	1024 KB Flash memory
RAM	76 KB
CPU (Bit, Clock, DMA, External Bus etc)	
CPU	V850E1 (32-bit)
Max. Frequency	48 MHz
Sub-Clock (32.768 kHz)	YES
PLL	YES
Real-Time Clock (RTC)	YES
Low Voltage Detection	YES
DMA Remarks	DMAC x 4 ch
External Address/Data Bus	YES
External Interrupt Pins	11
I/O Ports	128
Timers	
16-bit Timers	13 ch
Watchdog Timers	1 ch
PWM Output	10
Analog	
A/D Converters	10-bit x 16 ch
D/A Converters	8-bit x 2 ch
Interfaces	
CAN	2 ch
CSIs	8 ch
UARTs	8 ch
I2Cs	6 ch
LIN	6 ch
IEBus	1 ch
Operating Conditions	
Operating Voltage	2.85 to 3.6 V
Operating Temperature	-40 to 85 °C (Ambient Temperature)
Remarks	
Remarks	Automotive