



UPD78F0556MA-FAA-AX

Specification

Core

CPU	78K0 (8-bit)
Main oscillator	10MHz external, 8MHz internal
Sub-oscillator	30kHz internal
Clock supervising	—
Internal clock frequency (max.)	10MHz
Instruction cycle time (min.)	100 ns
Interrupt channels	2 external, 10 internal

Memory

Program memory	8 KB flash
RAM size	512 byte
Non-volatile memory size (EEPROM or emulation)	0 byte
ROM correction points	—

Interfaces

Total number of I/Os	25
Open drain outputs	—
CAN	—
UART (asynchronous serial interface)	1 ch.
LIN	—
CSI (clocked serial interface)	—
I ² C	1 ch.
IEbus	—
On-chip debug interface	/

Peripherals

LCD controller/driver	—
A/D converter (10-bit)	4 ch.
Hardware multiplier	n/a
Hardware divider	n/a
Width of real-time output port	1 ch.
DMA	—
Low voltage indicator	/
Power-on clear	/
Other peripherals	Operational amplifier 1 channel
Comparator 3 channels, DALI interface	

Timers

Timers (8-bit)	2 ch.
Timers (16-bit)	1 ch.
Interval timers	—
Special timers	—
Watchdog timers	1 ch.
PWM (8-bit resolution)	1 ch.
PWM (more than 8-bit resolution)	—
Real time clock	—

Operating conditions

Operating voltage 1.8 - 5.5 V
Ambient temperature -40°C to +85°C

Package

Code MC-CAB
Type SSOP
Pin count 16 pins
Pin pitch 0.65mm
Body size 4.4 x 5.0 mm²
Drawing P16MA-65-FAA

Other Information

NEC Electronics quality grade Standard
RoHS compliance Ni/Pd/Au plating,
Product contains no lead in
Any area