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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	PIC
Core Size	8-Bit
Speed	20MHz
Connectivity	I ² C, LINbus, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Number of I/O	17
Program Memory Size	7KB (4K x 14)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	256 x 8
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V
Data Converters	A/D 12x10b; D/A 1x5b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type	Surface Mount
Package / Case	20-SSOP (0.209", 5.30mm Width)
Supplier Device Package	20-SSOP
Purchase URL	https://www.e-xfl.com/product-detail/microchip-technology/pic16f1508-e-ss



General ordering data

Order No.	9455090000
Part designation	Netzgeraet 230 V / 2,8 A DPA 144.5
Version	Sensor/actuator active accessories, AS-Interface power pack
EAN	4032248229253
Qty.	1 pc(s).

Approvals

Approvals institutes	n.a.
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Classifications

ETIM 2.0	EC001430
ETIM 3.0	NK
eClass 4.1	27-27-90-12
eClass 5.0	27-27-92-12
eClass 5.1	27-27-92-12

Similar products

Order No.	Part designation	Version
9454490000	Gateway AS-I PBDP	Sensor/actuator active accessories, Gateway AS-Interface PROFIBUS-DP
1804500000	SAI-ASI IR-Adapter	Sensor/actuator active accessories, Programming adapter, AS-Interface, infrared
1805410000	SAI-ASI-Handheld	Sensor/actuator active accessories, Hand-held programming device, AS-Interface