

PIC16F688-E/P



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Part Number: [PIC16F688-E/P](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 7KB FLASH 14DIP

Data sheet: 

[PIC16F688 Rev A3 Errata](#)

[PIC12F6xx,PIC16F6xx Programming Spec](#)

[Tips N Tricks Guide](#)

[Timer1 Errata](#)

[PIC16F688 Rev A4 Silicon/Data Sheet Errata](#)

[PIC16F688 Data Sheet](#)

[PICmicro™ Reference Manual](#)

[MPLAB® ICE2000 Spec](#)

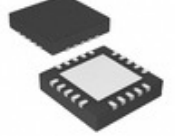
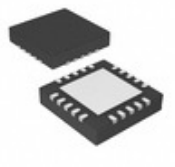
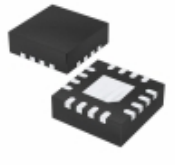
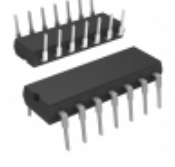
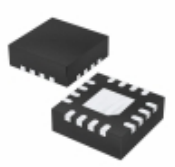
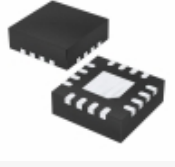
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC16F688-E/P                                                           | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                                                                                                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MCU 8BIT 7KB FLASH 14DIP                                             | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 63950 pcs                                                               | Data sheet                      | <div><a href="#">PIC16F688 Rev A3 Errata</a></div> <div><a href="#">PIC12F6xx,PIC16F6xx Programming Spec</a></div> <div><a href="#">Tips N Tricks Guide</a></div> <div><a href="#">Timer1 Errata</a></div> <div><a href="#">PIC16F688 Rev A4 Silicon/Data Sheet Errata</a></div> <div><a href="#">PIC16F688 Data Sheet</a></div> <div><a href="#">PICmicro™ Reference Manual</a></div> <div><a href="#">MPLAB® ICE2000 Spec</a></div> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a>                               | Voltage - Supply (Vcc/Vdd)      | 2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14-PDIP                                                                 | Speed                           | 20MHz                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PIC® 16F                                                                | RAM Size                        | 256 x 8                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FLASH                                                                   | Program Memory Size             | 7KB (4K x 14)                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Brown-out Detect/Reset, POR, WDT                                        | Packaging                       | Tube                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 14-DIP (0.300", 7.62mm)                                                 | Oscillator Type                 | Internal                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -40°C ~ 125°C (TA)                                                      | Number of I/O                   | 12                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Not Applicable                                                          | Manufacturer Standard Lead Time | 10 Weeks                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lead free / RoHS Compliant                                              | EEPROM Size                     | 256 x 8                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC PIC® 16F Microcontroller IC 8-Bit 20MHz 7KB (4K x 14) FLASH 14-PDIP | Data Converters                 | A/D 8x10b                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8-Bit                                                                   | Core Processor                  | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | UART/USART                                                              | Base Part Number                | PIC16F688                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 63950 pieces of Micrel / Microchip Technology PIC16F688-E/P in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                         |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F688T-I/SL</a><br>Description: IC MCU 8BIT 7KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F687-I/SO</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F687T-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F687-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F688-E/ST</a><br>Description: IC MCU 8BIT 7KB FLASH 14TSSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F687T-E/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F688T-I/ML</a><br>Description: IC MCU 8BIT 7KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F687-I/P</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F688-I/P</a><br>Description: IC MCU 8BIT 7KB FLASH 14DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for PIC16F688-E/P

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| Micrel / Microchip Technology PIC16F688-E/P | PIC16F688-E/P distributor          | PIC16F688-E/P supplier                                  | PIC16F688-E/P price |
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