

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC18F6680-E/PT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC18F6680-E/PT                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 64KB FLASH 64TQFP                                                                                |
|                     |  1.PIC18F6680-E/PT.pdf      |
|                     |  2.PIC18F6680-E/PT.pdf      |
|                     |  3.PIC18F6680-E/PT.pdf      |
|                     |  4.PIC18F6680-E/PT.pdf      |
|                     |  5.PIC18F6680-E/PT.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 10736 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of PIC18F6680-E/PT

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC18F6680-E/PT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 64TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 10736 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DATA SHEET                       |  1.PIC18F6680-E/PT.pdf<br> 2.PIC18F6680-E/PT.pdf<br> 3.PIC18F6680-E/PT.pdf<br> 4.PIC18F6680-E/PT.pdf<br> 5.PIC18F6680-E/PT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SPEED                            | 40MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SERIES                           | PIC® 18F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RAM SIZE                         | 3.25K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 64KB (32K x 16)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PERIPHERALS                      | Brown-out Detect/Reset, LVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 64-TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OSCILLATOR TYPE                  | External                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NUMBER OF I/O                    | 52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| EEPROM SIZE                      | 1K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DETAILED DESCRIPTION             | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 64KB (32K x 16) FLASH 64-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DATA CONVERTERS                  | A/D 16x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CONNECTIVITY                     | CANbus, I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASE PART NUMBER                 | PIC18F6680                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology PIC18F6680-E/PT | PIC18F6680-E/PT Distributor            | PIC18F6680-E/PT Supplier                               |
| PIC18F6680-E/PT Price                         | PIC18F6680-E/PT Pictures               | PIC18F6680-E/PT Image                                  |
| PIC18F6680-E/PT PDF Datasheet                 | PIC18F6680-E/PT Download Datasheet     | PIC18F6680-E/PT Datasheet                              |
| PIC18F6680-E/PT Stock                         | Buy PIC18F6680-E/PT                    | Buy Micrel / Microchip Technology PIC18F6680-E/PT      |
| Micrel / Microchip Technology PIC18F6680-E/PT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology PIC18F6680-E/PT | Microchip Technology PIC18F6680-E/PT   | Roving Networks / Microchip Technology PIC18F6680-E/PT |

Related Products

|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                         |
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|  <div><b>PIC18F6680-E/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 68PLCC<br/>In stock: 7045 pcs<br/>RFQ</div>    |  <div><b>PIC18F6680-I/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 68PLCC<br/>In stock: 3301 pcs<br/>RFQ</div>     |
|  <div><b>PIC18F66J11-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 34157 pcs<br/>RFQ</div> |  <div><b>PIC18F66J10-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 35913 pcs<br/>RFQ</div>  |
|  <div><b>PIC18F6680T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 11116 pcs<br/>RFQ</div> |  <div><b>PIC18F6680-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 8855 pcs<br/>RFQ</div>    |
|  <div><b>PIC18F6627T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 96KB FLASH 64TQFP<br/>In stock: 10808 pcs<br/>RFQ</div> |  <div><b>PIC18F66J10T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 34284 pcs<br/>RFQ</div> |
|  <div><b>PIC18F6627T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 96KB FLASH 64TQFP<br/>In stock: 15085 pcs<br/>RFQ</div> |  <div><b>PIC18F6628-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 96KB FLASH 64TQFP<br/>In stock: 8896 pcs<br/>RFQ</div>    |
|  <div><b>PIC18F6628-I/PT</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 96KB FLASH 64TQFP<br/>In stock: 10301 pcs<br/>RFQ</div>           |  <div><b>PIC18F6628T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 96KB FLASH 64TQFP<br/>In stock: 10941 pcs<br/>RFQ</div>  |