



## PIC16C66-20I/SO

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <b>PIC16C66-20I/SO</b>   |
| Manufacturer             | <b>Microchip Technology</b>  |
| Allelco Part Number      | 32D-PIC16C66-20I/SO  |
| ECAD Model               |  PCB Symbol, Footprint & 3D Mode  |
| Parts Description        | IC MCU 8BIT 14KB OTP 28SOIC  |
| Package                  | 28-SOIC (0.295", 7.50mm Width)   |
| Data sheet               | <a href="#">MPLAB® ICE2000 Spec.pdf</a><br><a href="#">Tips N Tricks Guide.pdf</a><br><a href="#">PIC16C6x.pdf</a> |
| RoHS Status              |  ROHS3 Compliant                  |


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PIC16C66-20I/SO - Microchip Technology, New Original in Stock. Download Linear Technology PIC16C66-20I/SO datasheet/specifications on AllelcoElec.com.  
 Request a quote for PIC16C66-20I/SO, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications





PIC16C66-20I/SO Tech Specifications

PIC16C66-20I/SO - Microchip Technology technical specifications, attributes, parameters

| Product Attribute          | Attribute Value                       | Product Attribute     | Attribute Value      |
|----------------------------|---------------------------------------|-----------------------|----------------------|
| Manufacturer               | Microchip Technology                  | Oscillator Type       | External             |
| Voltage - Supply (Vcc/Vdd) | 4V ~ 6V                               | Operating Temperature | -40°C ~ 85°C (TA)    |
| Supplier Device Package    | 28-SOIC                               | Number of I/O         | 22                   |
| Speed                      | 20MHz                                 | Mounting Type         | Surface Mount        |
| Series                     | PIC® 16C                              | EEPROM Size           | -                    |
| RAM Size                   | 368 x 8                               | Data Converters       | -                    |
| Program Memory Type        | OTP                                   | Core Size             | 8-Bit                |
| Program Memory Size        | 14KB (8K x 14)                        | Core Processor        | PIC                  |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, WDT | Connectivity          | I²C, SPI, UART/USART |
| Package / Case             | 28-SOIC (0.295", 7.50mm Width)        | Base Product Number   | PIC16C66             |
| Package                    | Tube                                  |                       |                      |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16C66-20I/SO

| Product Attribute          | <br>NO PICTURE |  |  |  |
|----------------------------|---|---|---|---|
| Part Number                | PIC16C66-20I/SO   | <a href="#">PIC16C65B-20/L</a>  | <a href="#">PIC16C67-20/P</a>   | <a href="#">PIC16C710-04/SO</a>   |
| Manufacturer               | Microchip Technology  | Microchip Technology  | Microchip Technology  | Microchip Technology  |
| Core Processor             | PIC   | PIC   | PIC   | PIC   |
| Package                    | Tube  | Tube  | Tube  | Tube  |
| Data Converters            | -   | -   | -   | A/D 4x8b  |
| Oscillator Type            | External  | External  | External  | External  |
| Supplier Device Package    | 28-SOIC   | 44-PLCC (16.59x16.59)   | 40-PDIP   | 18-SOIC   |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, WDT   | Brown-out Detect/Reset, POR, PWM, WDT   | Brown-out Detect/Reset, POR, PWM, WDT   | Brown-out Detect/Reset, POR, WDT  |
| Voltage - Supply (Vcc/Vdd) | 4V ~ 6V   | 4V ~ 5.5V   | 4V ~ 6V   | 4V ~ 6V   |
| Connectivity               | I²C, SPI, UART/USART  | I²C, SPI, UART/USART  | I²C, SPI, UART/USART  | -   |
| Program Memory Type        | OTP   | OTP   | OTP   | OTP   |
| Core Size                  | 8-Bit   | 8-Bit   | 8-Bit   | 8-Bit   |
| Speed                      | 20MHz   | 20MHz   | 20MHz   | 4MHz  |
| Series                     | PIC® 16C  | PIC® 16C  | PIC® 16C  | PIC® 16C  |
| Number of I/O              | 22  | 33  | 33  | 13  |
| Mounting Type              | Surface Mount   | Surface Mount   | Through Hole  | Surface Mount   |
| Package / Case             | 28-SOIC (0.295", 7.50mm Width)  | 44-LCC (J-Lead)   | 40-DIP (0.600", 15.24mm)  | 18-SOIC (0.295", 7.50mm Width)  |
| Program Memory Size        | 14KB (8K x 14)  | 7KB (4K x 14)   | 14KB (8K x 14)  | 896B (512 x 14)   |
| RAM Size                   | 368 x 8   | 192 x 8   | 368 x 8   | 36 x 8  |
| Operating Temperature      | -40°C ~ 85°C (TA)   | 0°C ~ 70°C (TA)   | 0°C ~ 70°C (TA)   | 0°C ~ 70°C (TA)   |
| Base Product Number        | PIC16C66  | PIC16C65  | PIC16C67  | PIC16C710   |
| EEPROM Size                | -   | -   | -   | -   |

### PIC16C66-20I/SO Datasheet PDF

Download PIC16C66-20I/SO pdf datasheets and Microchip Technology documentation for PIC16C66-20I/SO - Microchip Technology.

#### PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf



Packing Changes 10/Oct/2016.pdf

#### HTML Datasheet

PCN Assembly/Origin



















SOIC-28L Revision 17/Dec/2013.pdf

Errata

PIC16C66 Revision A Errata.pdf

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Recommended Products

|   |  |   |  |  |  |
|---|--|---|--|--|--|
| <br><b>PIC16C65B-20/L</b><br>Microchip Technology<br>IC MCU 8BIT 7KB OTP 44PLCC    | <br><b>PIC16C67-20/P</b><br>Microchip Technology<br>IC MCU 8BIT 14KB OTP 40DIP      | <br><b>PIC16C710-04/SO</b><br>Microchip Technology<br>IC MCU 8BIT 896B OTP 18SOIC  | <br><b>PIC16C67-10/L</b><br>Microchip Technology<br>IC MCU 8BIT 14KB OTP 44PLCC    | <br><b>PIC16C66-04I/SO</b><br>Microchip Technology<br>IC MCU 8BIT 14KB OTP 28SOIC | <br><b>PIC16C71-20I/SO</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB OTP 18SOIC |
| <br><b>PIC16C71-04/P</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB OTP 18DIP   | <br><b>PIC16C710-04I/SO</b><br>Microchip Technology<br>IC MCU 8BIT 896B OTP 18SOIC  | <br><b>PIC16C71-04/SO</b><br>Microchip Technology<br>IC MCU 8BIT 1.75KB OTP 18SOIC | <br><b>PIC16C710-04/P</b><br>Microchip Technology<br>IC MCU 8BIT 896B OTP 18DIP    | <br><b>PIC16C65B-20/PQ</b><br>Microchip Technology<br>IC MCU 8BIT 7KB OTP 44MQFP  | <br><b>PIC16C66-20/SP</b><br>Microchip Technology<br>IC MCU 8BIT 14KB OTP 28SPDIP   |
| <br><b>PIC16C67-20/PQ</b><br>Microchip Technology<br>IC MCU 8BIT 14KB OTP 44MQFP | <br><b>PIC16C66-04/SP</b><br>Microchip Technology<br>IC MCU 8BIT 14KB OTP 28SPDIP | <br><b>PIC16C65B-20I/L</b><br>Microchip Technology<br>IC MCU 8BIT 7KB OTP 44PLCC | <br><b>PIC16C66-10/SO</b><br>Microchip Technology<br>IC MCU 8BIT 14KB OTP 28SOIC | <br><b>PIC16C65B-04/P</b><br>Microchip Technology<br>IC MCU 8BIT 7KB OTP 40DIP  | <br><b>PIC16C65B-04I/L</b><br>Microchip Technology<br>IC MCU 8BIT 7KB OTP 44PLCC  |

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

| Common Countries Logistic Time Reference |                |                    |
|--|----------------|--------------------|
| Region                                   | Country        | Logistic Time(Day) |
| America                                  | United States  | 5                  |
|  | Brazil         | 7                  |
| Europe                                   | Germany        | 5                  |
|  | United Kingdom | 4                  |
|  | Italy          | 5                  |
| Oceania                                  | Australia      | 6                  |
|  | New Zealand    | 7                  |
| Asia                                     | India          | 6                  |
|  | Japan          | 7                  |
| Middle East                              | Israel         | 6                  |

| DHL & FedEx Shipment Charges Reference |                      |
|--|----------------------|
| Shipment charges(KG)                   | Reference DHL(USD\$) |
| 0.00kg-1.00kg                          | USD\$60.00           |
| 1.00kg-2.00kg                          | USD\$70.00           |
| 2.00kg-3.00kg                          | USD\$80.00           |




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

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|  |   |
|--|---|
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|--|---|

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