

**DSPIC30F6010T-30I/PF**

**Microchip Technology**

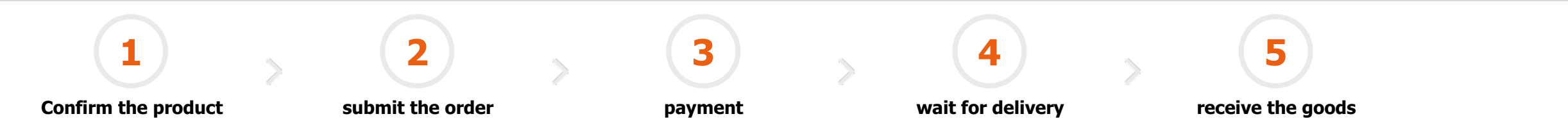
IC MCU 16BIT 144KB FLASH 80TQFP

Lead free / RoHS Compliant

Integrated Circuits (ICs)

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- [3.DSPIC30F6010T-30I/PF.pdf](#)
- [4.DSPIC30F6010T-30I/PF.pdf](#)
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**Shopping Process**

**Specifications**

<b>Voltage - Supply (Vcc/Vdd):</b>	2.5 V ~ 5.5 V
<b>Supplier Device Package:</b>	80-TQFP (14x14)
<b>Speed:</b>	30 MIPS
<b>Series:</b>	dsPIC™ 30F
<b>RAM Size:</b>	8K x 8
<b>Program Memory Type:</b>	FLASH
<b>Program Memory Size:</b>	144KB (48K x 24)
<b>Peripherals:</b>	Brown-out Detect/Reset, LVD, Motor Control PWM, QEI, POR, PWM, WDT
<b>Packaging:</b>	Tape & Reel (TR)
<b>Package / Case:</b>	80-TQFP
<b>Oscillator Type:</b>	Internal
<b>Operating Temperature:</b>	-40°C ~ 85°C (TA)
<b>Number of I/O:</b>	68
<b>EEPROM Size:</b>	4K x 8
<b>Data Converters:</b>	A/D 16x10b
<b>Core Size:</b>	16-Bit
<b>Core Processor:</b>	dsPIC
<b>Connectivity:</b>	CAN, I <sup>2</sup> C, SPI, UART/USART

**Related products**

<p><b>DSPIC30F6010AT-30I/PF</b> IC MCU 16BIT 144KB FLASH 80TQFP <a href="#">Microchip Technology</a></p> <p>RFQ</p>	<p><b>DSPIC30F6010T-20E/PF</b> IC MCU 16BIT 144KB FLASH 80TQFP <a href="#">Microchip Technology</a></p> <p>RFQ</p>	<p><b>DSPIC30F6011A-20E/PT</b> IC MCU 16BIT 132KB FLASH 64TQFP <a href="#">Microchip Technology</a></p> <p>RFQ</p>	<p><b>DSPIC30F6010AT-20I/PT</b> IC MCU 16BIT 144KB FLASH 80TQFP <a href="#">Microchip Technology</a></p> <p>RFQ</p>	<p><b>DSPIC30F6011-20I/PF</b> IC MCU 16BIT 132KB FLASH 64TQFP <a href="#">Microchip Technology</a></p> <p>RFQ</p>
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**Guess You May Looking For**

<p><b>MIC2549A-1BM</b> IC SW CURR LIMIT HI SIDE 8-SOP <a href="#">Microchip Technology</a></p> <p>RFQ</p>	<p><b>VNN7NV04TR-E</b> MOSFET OMNIFETII 40V 6A SOT-223 <a href="#">STMicroelectronics</a></p> <p>RFQ</p>	<p><b>TPS2053BDG4</b> IC PWR DIST SWITCH TRIPLE 16SOIC <a href="#">Texas Instruments</a></p> <p>RFQ</p>	<p><b>LP8765RLX/NOPB</b> IC PMU CHRGR 1.2A OVP 49SMDXT <a href="#">Texas Instruments</a></p> <p>RFQ</p>	<p><b>DS1833Z-5+T&amp;R</b> IC 4.625V HI ACT 5% SOT223 <a href="#">Maxim Integrated</a></p> <p>RFQ</p>
<p><b>MAX690ACSA-T</b> IC MPU SUPERVISORY CIRCUIT 8SOIC <a href="#">Maxim Integrated</a></p> <p>RFQ</p>	<p><b>W83L786NG</b> IC H/W MONITOR 20-SSOP <a href="#">Nuvoton Technology Corporation of America</a></p> <p>RFQ</p>	<p><b>MAX6050BEUR-T</b> IC VREF SERIES 5V SOT23-3 <a href="#">Maxim Integrated</a></p> <p>RFQ</p>	<p><b>LT1946EMS8#TRPBF</b> IC REG BOOST ADJ 1.5A 8MSOP <a href="#">Linear Technology</a></p> <p>RFQ</p>	<p><b>NCP78LC33NTRG</b> IC REG LDO ANA 0.08A 3.3V 5TSOP <a href="#">ON Semiconductor</a></p> <p>RFQ</p>

