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# Product Information

## ICMS0204 Processor Board

### features

- Multi Function**
- Software Programmable**
- Hardware Configurable**
- Three Inputs**
- Three High Current Outputs**
- Optional Crystal Oscillator**



### description

The ICMS0204 is a small utility microprocessor board that can be programmed to perform numerous functions.

This board uses the Microchip PIC16F765 to perform the necessary logical control. This provides an almost unlimited number of operations from simple gating and delays to more complex operations.

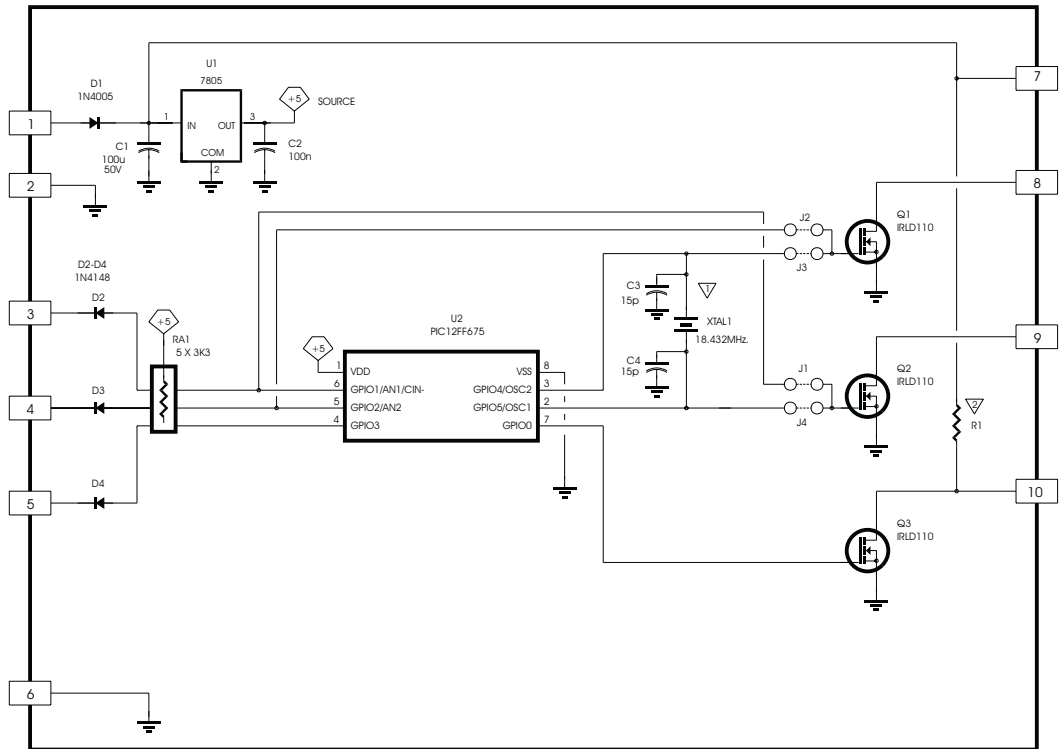
The three inputs have built in pull up resistors and isolation diodes. This allows direct connection to mechanical switches without any additional hardware.

The three outputs driven by HEXFET transistors and are capable of driven load currents of up to 1 Amp and can withstand voltages up to 100 VDC.

Where accurate timing is required in an application, there is provision to use a crystal in place of the internal oscillator.

Software development can be supplied by Nortek or can be written by the user using Microchip's free Integrated Development Environment and assembler (available from Microchip's website).

For further information on this or other Nortek products, please contact us via any of the following methods-  
Telephone: (604) 980 2811 / Facimile: (604) 980 0907 / Internet: <http://www.nortek.com>



Board Schematic

## SPECIFICATIONS

Number of inputs .....	3 (see note 1)
Number of outputs .....	3 (see note 1)
Supply Voltage .....	8 to 28 VDC
Supply Current (Internal Oscillator) .....	5 mA (nominal)
Length .....	2.5 inches (61 mm)
Width .....	1.95 inches (50 mm)
Height (with connector) .....	1.0 inches (25.4 mm)
Input impedance (pull up to 5VDC) .....	3K3 Ohms
Maximum output current .....	1 Amp
Maximum output voltage .....	100 VDC

Note 1: When the on-board crystal oscillator is used, the number of IO channels is reduced from 6 to 4. Jumpers allow the board to be configured so that the two removed channels may be either from the input lines or the output drivers.

All specifications are subject to change. Nortek Electronics reserves the right to modify the above product without notice in order to improve performance and other specifications.