

Circuit Description

1. CPU, MA4302 have an 8-bit microprocessor with low-power and high-speed CMOS technology. Operation frequency is needs an external 12MHz crystal for reference frequency.
2. E2PROM, 24C02, 2048 bits of serial electrically erasable and programmable read-only memory (EEPROM) organized as 256 words of 8 bits each. The device is optimized for use in many industrial and commercial applications where low-power operation is essential.
3. Fully programmable PLL (2.4GHz)
Built-in Channel filter
Data Rate up to 1MHz
4. OPTICAL SENSOR, with DSP integration chip that serves as a non-mechanical motion estimation engine for implementing a computer wireless mouse.
5. ANTENNA, The antenna is typically fed from the end of the monopole section by a plated through-hole via which is in turn connected to the RF output on the 2.4 GHz band.