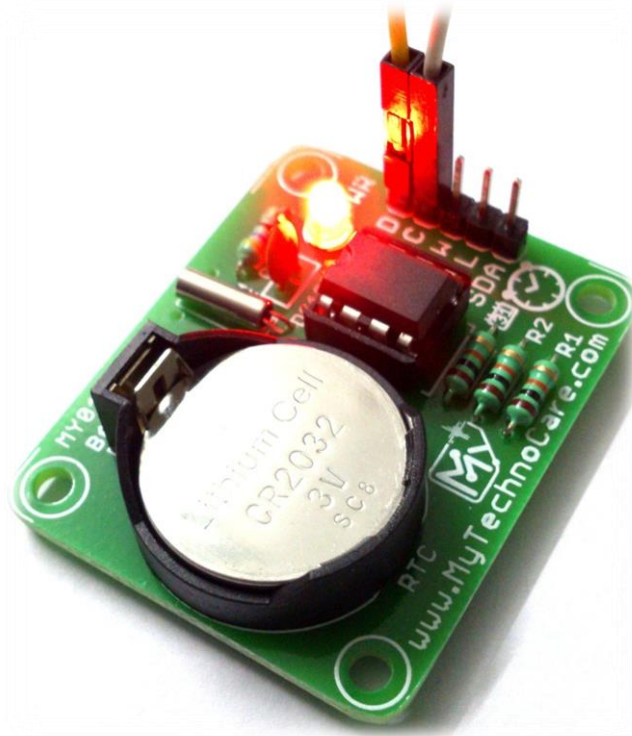www.MyTechnoCare.com
INDIA

Real Time Clock
RTC
DS1307

Brand   : MY TechnoCare
Model Number   : MY012V2.1
Type   : Time & Date Peripheral module
Website   : www.MyTechnoCare.com
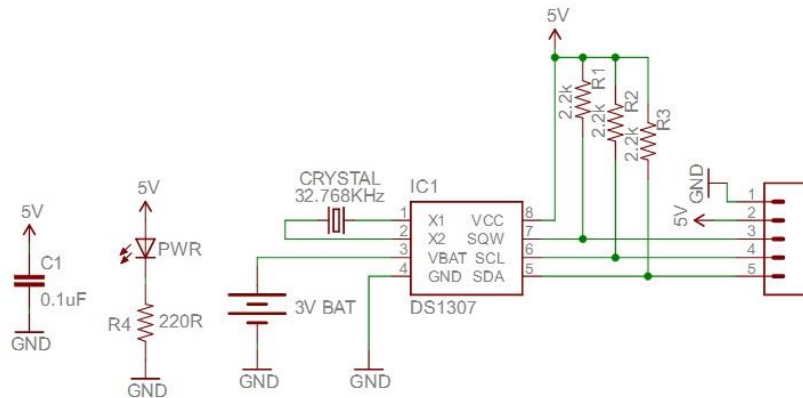
DESCRIPTION:

This is the Real Time Clock (RTC) Module, this small breakout board that uses the most popular DS1307 to keep track of the current year, month, day as well as the current time. The module comes fully assembled and includes a small Lithium coin cell battery that will run the RTC for a minimum of 9 years without an external 5V power supply. The DS1307 RTC is accessed via the I2C protocol.

FEATURES:

Condition:	New: A brand-new, unused and undamaged item. See the seller's listing for full details.
Brand:	MY TechnoCare
Type:	Real Time Clock Breakout Board
Chip Type:	DS1307
PCB Quality:	FR4 Glass epoxy	High Quality
MPN:	MY012V2.0
Installation:	Four Mounting holes 3.0 mm for Easy Mounting	Plugs into any breadboard, or you can use wires
Functionality:	Real Time Clock~Timer~Alarm~Calendar~56Byte Memory Leap year compensation |Accurate calendar up to year 2100
IC Socket:	8-Pin DIP
Connectivity:	5 Pin Burg Strip Connector	2-Wire I2C(IIC)
Battery Type:	3 Volt (Li) Lithium Coin Battery
Utility:	Research & Development	Education	Technical DIY
Battery Backup:	YES
Supported IC:	Arduino,8051,AVR,PIC,ARM,MSP,Raspberr Pi etc
Resolution:	1 Second
Power Supply:	5 Volt DC
Input/Output:	2 Wire I2C(IIC)	1 Hz Output
Memory:	56 Bytes of Non-volatile memory available to user
Display Type:	POWER Indicator RED LED

DS1307 RTC MODUL CIRCUIT DIAGRAM/SCHEMATIC:

TITLE: RTC Module
DESIGN BY: Sandip Goyani
COMPANY : MY TechnoCare (www.MyTechnoCare.com)
REV: V1.0
Date:22/06/2016 4:47:40 PM
Sheet: 1/1

Thank You

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