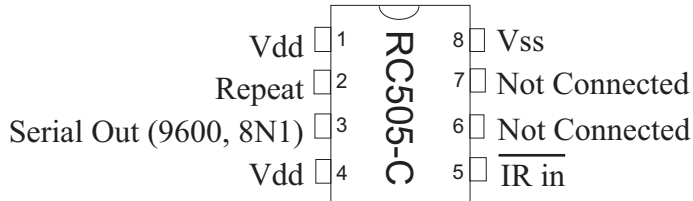


RC505-C

IR Decode Chip for TEAC 30-Button RC-505 Infrared Remote

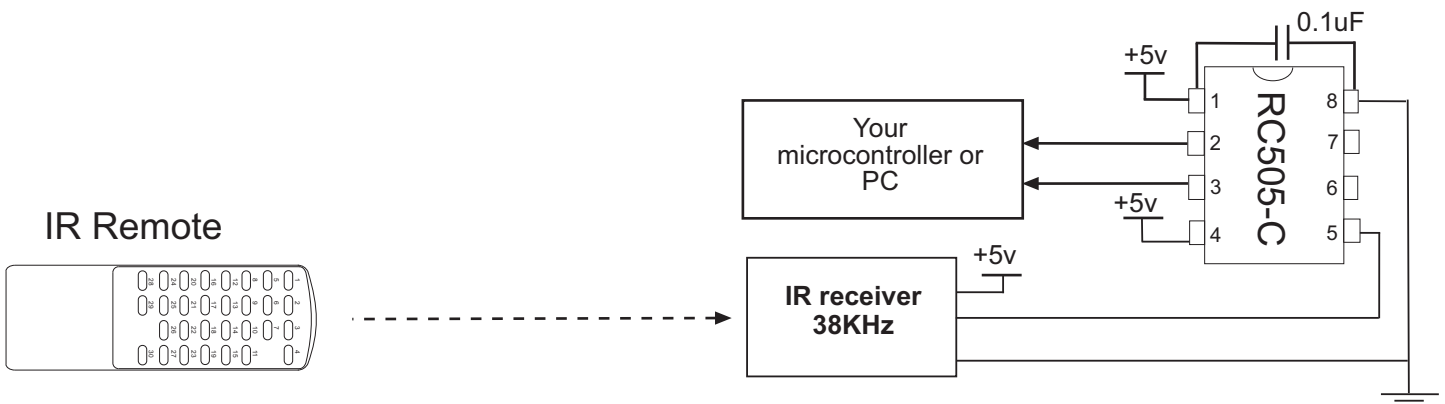
General Description:

The RC505-C makes it simple to add a hand-held IR remote to your projects. It decodes 30 buttons from the TEAC RC-505 remote and outputs a single byte corresponding to the button pushed via a standard, 9600,8N1 serial line (pin 3). When the button is released, a single byte is sent (decimal 95). Additionally, the Repeat pin (pin 2) will stay high as long as the key is held down. This makes it possible to implement both toggle and momentary switching for each of the 30 buttons.

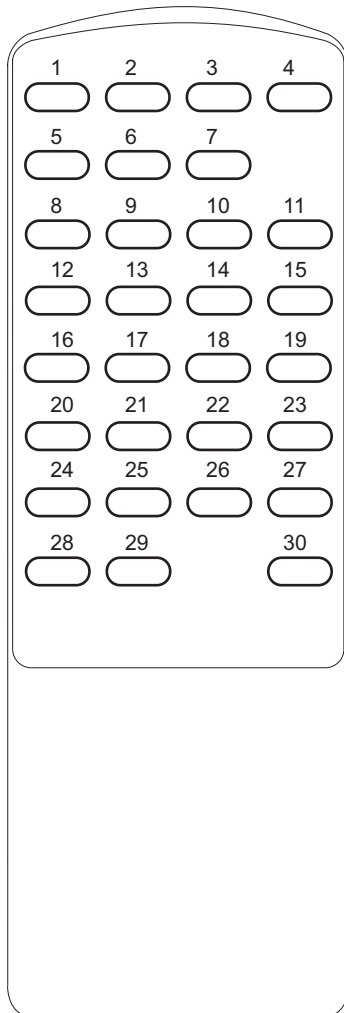


Vdd (with respect to Vss): 2-5.5V
Max current on I/O pins: 25 ma
Current consumption (Vdd=5V): < 2mA

IR in from IR module: No signal = Vdd, Pulses = Vss
Package: 300mil wide Plastic DIP



When one of the 30 buttons on the remote is pressed, a single, 8-bit byte is sent serially out of pin 3. When the button is released, a single byte is sent (decimal 95). Additionally, pin 2 will go high when a button is pressed, and go low when the button is released.



Button Pushed	Serial Byte Sent (Decimal)
1	65
2	66
3	67
4	68
5	69
6	70
7	71
8	72
9	73
10	74
11	75
12	76
13	77
14	78
15	79
16	80
17	81
18	82
19	83
20	84
21	85
22	86
23	87
24	88
25	89
26	90
27	91
28	92
29	93
30	94
Button Released	95