

# Re: microcontroller circuit help

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-12/msg04142.html>

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- *From:* ehsjr <ehsjr@xxxxxxxxxxxxxxxxxxxx>
  - *Date:* Fri, 22 Dec 2006 04:21:36 GMT
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mookiewookiee@xxxxxxxxxxxx wrote:

ehsjr wrote:

I don't know what relay you have.

Ed

Sorry i meant eight pins, and its the one you recommended.

[http://www.allelectronics.com/cgi-bin/item/RLY-622/search/12\\_VDC\\_DPDT\\_DIP\\_RELAY\\_.html](http://www.allelectronics.com/cgi-bin/item/RLY-622/search/12_VDC_DPDT_DIP_RELAY_.html)

Ok, here's a diagram, looking at the pins sticking up toward you:

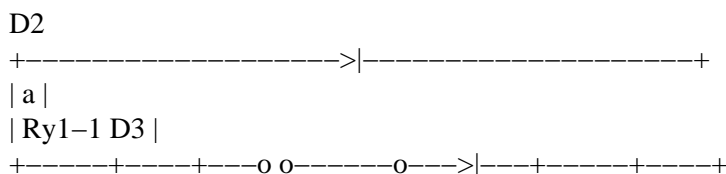
```

N/O N/C Com Coil
9 11 13 16
o o o o

o o o o
8 6 4 1
N/O N/C Com Coil

```

And here's the schematic, with the pin #'s included:



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```
||||| a |||
|| 1| 9| |11 9| | 1||
+| [D1] [Ry1] |> |<-'| <| Ry2-1 | [Ry2] [D4]
----- |a 16| |13 |13 | 16| |a
|Power| +-----+ o o-----+ | +-----+
|Supp.| ||| +|||
|12 V ||| [NiMh] ----- / ----
----- | [LOAD] |8 |Smrt| \<--[1K]---/\TL431
-|| | v--o |Chgr| / ---
|| | ---o ----- \ 50K | | | |
|| | Ry2-2|4 -|||
|||||
+-----+-----+-----+-----+-----+-----+
```

You can see a datasheet of the DS2E relay (same as the KS2E)

here:

[http://www.mew.co.jp/ac/e\\_download/control/relay/signal/catalog/mech\\_eng\\_ds.pdf](http://www.mew.co.jp/ac/e_download/control/relay/signal/catalog/mech_eng_ds.pdf)

(watch out for line wrap above)

Ed

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