

Re: How to provide power to a spinning circuit ?

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From: Paul E. Bennett (peb_at_amleth.demon.co.uk)

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Jim Stewart wrote:

> *Rodo wrote:*

>> *Hi all...*

>>

>> *I need to make a circuit that needs to spin on the shaft of a small dc
>> brushless motor. I thought I could use a permanent magnet mounted on the
>> base of the shaft of the motor (not moving) and some coils that will be
>> spinning on the pcb. I don't know if this will work or provide enough
>> power (need 5mA) to the spinning pcb . Any better ways ?*

>

> *You left out too many details.*

>

> *1. How fast?*

> *2. How many are you going to build?*

> *3. How much money do you have?*

> *4. How long does it have to last?*

He left out more than a few details (I have seen his responses to the above some of which were just a bit vague).

5. How much space do you have to play with
6. How much current does your PCB circuit require, what voltage.
7. Can the topology of the space be described, or better still, drawn and placed on a website somewhere.
8. What sort of environment is this for
10. Is power the only contactless transfer you require
11. How big is the circuit on the PCB and can a slightly larger board be accommodated.

The OP also indicated that he was looking for the supplier of brushless DC motors. PML Flightlink would be one outfit that he could try.

<http://www.pmlflightlink.com/>

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comp.arch.embedded: Re: How to provide power to a spinning circuit ?

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