
Arduino DC connector - 2.1mm ID, 5.5mm OD

Autor:

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What are the full plug dimensions for the DC power pot on arduino Uno (Read 11213 times) previous topic - next topic

chrisharrington

Newbie

Posts: 18

Karma: 0 [add]

What are the full plug dimensions for the DC power pot on arduino Uno

Aug 30, 2012, 09:57 am

Hi,

Everywhere I check, the arduino Uno's power pot is just listed as taking a "2.1mm plug", but every supplier I look at where I'm located (Japan) lists three dimensions (outer diameter, inner diameter, and length) for DC plugs, so I do not know which part to get. Looking at the pot it appears that 2.1mm refers to pole diameter, so I need to know the outer diameter as well. Over here, you can order any size you can imagine....

Unfortunately, I live out in the boondocks and I have to order online, so I don't have the option of simply going to the shop and trying them out.

If anyone knows the correct plug size including all three dimensions, it would make me very happy.

Thanks.

Shannon Member
Posts: 14,117
Karma: 1079 [add]

Re: What are the full plug dimensions for the DC power pot on arduino Uno

#1

Aug 30, 2012, 03:28 pm

At least one of the third-party parts lists shows it as DigiKey part CP-102A-ND:

<http://www.digikey.com/product-detail/en/PJ-102A/CP-102A-ND/275425>

CUI Inc part PJ-102A

2.1mm ID, 5.5mm OD

From the product data sheet it would appear that the depth is about 12mm.

Send Bitcoin tips to: 1G2qoGwMRXx8az71DVP1E81jShxtbSh5Hp

retrolefty

Brattain Member
Posts: 17,335
Karma: 641 [add]
Measurement changes behavior

Re: What are the full plug dimensions for the DC power pot on arduino Uno

#2

Aug 30, 2012, 05:08 pm

Quote

power pot

"Pot" is generally the abbreviation used to mean a potentiometer, which is a 3 terminal variable resistor, where as you obviously meant "connector plug".

Lefty

chrisharrington

Newbie

Posts: 18

Karma: 0 [add]

Re: What are the full plug dimensions for the DC power pot on arduino Uno

#3

Sep 01, 2012, 03:32 am

Quote from: johnwasser on Aug 30, 2012, 03:28 pm

2.1mm ID, 5.5mm OD

From the product data sheet it would appear that the depth is about 12mm.

Thank you!

Quote from: retrolefty on Aug 30, 2012, 05:08 pm

"Pot" is generally the abbreviation used to mean a potentiometer, which is a 3 terminal variable resistor, where as you obviously meant "connector plug".

Thanks for pointing that out. I must of thought that I'd seen it written that way somewhere. I meant the receiving end though, so not the plug, though the important dimensions of the two are the same.

retrolefty

Brattain Member
Posts: 17,335
Karma: 641 [add]
Measurement changes behavior

Re: What are the full plug dimensions for the DC power pot on arduino Uno

#4

Sep 01, 2012, 03:45 am

Quote

Thanks for pointing that out. I must of thought that I'd seen it written that way somewhere. I meant the receiving end though, so not the plug, though the important dimensions of the two are the same.

'Plugs' and 'sockets' mate together to make the external power connection.

Lefty

zoomkat

Shannon Member
Posts: 13,882
Karma: 767 [add]
Arduino rocks

Re: What are the full plug dimensions for the DC power pot on arduino Uno

#5

Sep 01, 2012, 03:55 am

"Jack" might also be a term for the female connector. I think I've used the below plug with my arduino. "M" might be the size.

http://www.radioshack.com/product/index.jsp?productId=2103614&znt_campaign=Category_CMS&znt_source=CAT&znt_medium=RSCOM&znt_content=CT2032231

Google forum search: Use Google Search box in upper right side of this page.
Why I like my 2005 Rio Yellow Honda S2000 <https://www.youtube.com/watch?v=pWjMvrkUqX0>

retrolefty

Brattain Member
Posts: 17,335
Karma: 641 [add]
Measurement changes behavior

Re: What are the full plug dimensions for the DC power pot on arduino Uno

#6

Sep 01, 2012, 04:00 am

Quote from: zoomkat on Sep 01, 2012, 03:55 am

"Jack" might also be a term for the female connector. I think I've used the below plug with my arduino. "M" might be the size.

http://www.radioshack.com/product/index.jsp?productId=2103614&znt_campaign=Category_CMS&znt_source=CAT&znt_medium=RSCOM&znt_content=CT2032231

Yea, could be used I guess. I also associated jack with those old 1/4" phone jacks used in telephone switchboards and old hi-fi. Plug and socket seems to be better general term that covers all forms of mate-able connections?

Vendedor

Seudónimo astorion (Feedback score 62180)

Solicitar el total al vendedor

USB A macho a 2.0 2.5 3.5 4.0 5.5mm Conector Cable Cable de alimentación de 5V DC Cargador

Estado:

Nuevo: Otro (ver detalles)

Precio del artículo:

1,04 EUR

Connector B:

4.0mm x 1.7mm

Cantidad:

2,08 EUR

Estándar (10-20 días laborables)

Standard Int'l Shipping

GRATIS

Eliminar|Guardar para más tarde

USB A macho a 2.0 2.5 3.5 4.0 5.5mm Conector Cable Cable de alimentación de 5V DC Cargador

Estado:

Nuevo: Otro (ver detalles)

Precio del artículo:

0,83 EUR

Connector B:

3.5mm x 1.35mm

Cantidad:

1,66 EUR

Estándar (10-20 días laborables)

Standard Int'l Shipping

GRATIS

Eliminar|Guardar para más tarde

USB A macho a 2.0 2.5 3.5 4.0 5.5mm Conector Cable Cable de alimentación de 5V DC Cargador

Estado:

Nuevo: Otro (ver detalles)

Precio del artículo:

0,83 EUR

Connector B:

2.5mm x 0.7mm

Cantidad:

1,66 EUR

Estándar (10-20 días laborables)

Standard Int'l Shipping

GRATIS

Eliminar|Guardar para más tarde

Estado:

Nuevo: Otro (ver detalles)

Precio del artículo:

0,76 EUR

Connector B:

2.0mm x 0.6mm

Cantidad:

1,52 EUR

Estándar (10-20 días laborables)

Standard Int'l Shipping

GRATIS

Eliminar|Guardar para más tarde

Estado:

Nuevo: Otro (ver detalles)

Precio del artículo:

1,04 EUR

Connector B:

5.5mm x 2.1mm

Cantidad:

8,30 EUR

Estándar (10-20 días laborables)

Standard Int'l Shipping

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