

Model Name: VeinViewer 3.0 Flex	Model No.: 134-002102-01
Author: Mike Sonnenberg	Preparation Date: November 8, 2011
Document Title: HARNESS DC POWER JACK	

Safety Critical:	No	EMC Critical:	No
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Revision	Revision Date	Reason for Change
1	June 17, 2011	Initial release.
2	November 8, 2011	Change document header.

1 Overview

This harness is used to connect the DC input wire holes on the Power Input PCBA to a 2.5mm DC power jack.

2 Drawing

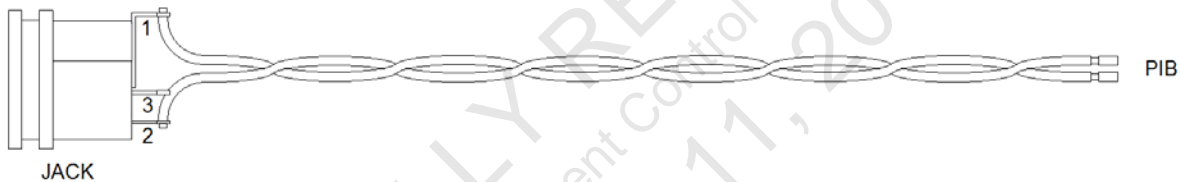


Figure 1: Wiring Diagram

Label	Manufacturer	Housing No.	Terminal(s)	AWG
JACK	CUI Inc	PJ-009BH	N/A	N/A
PIB	N/A	N/A	N/A	N/A

Table 1: Connector & Terminal Information

Wire #	Signal	AWG	Color	Source	Destination	Length (mm)
1	PWR	22	Red	JACK-1	PIB	155
2	RTN	22	Black	JACK-2	PIB	155

Table 2: Wire Information

3 Notes

3.1 Specific Notes

- 3.1.1 All wires to be UL Style AWM 1007 or equivalent, and meet flammability standard VW-1.
- 3.1.2 Wire to be twisted pair with 1 twist per inch minimum.
- 3.1.3 Semi-strip 5mm of insulation from the wires at the PIB end.

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- 3.1.4 Connector labels are not required.
- 3.1.5 Wire shall have a conductor diameter no greater than 0.032".

3.2 General Notes

- 3.2.1 Label all connectors & terminals as indicated in diagrams and tables, unless otherwise noted in the Specific Notes above. Labels should be flame retardant, non-conducting, and be affixed within 50mm from each associated connector, unless otherwise specified.
- 3.2.2 Label harness with Christie part number and issue. Label should be flame retardant, non-conducting, and be affixed near the center of the harness assembly, unless otherwise specified.
- 3.2.3 Unterminated wire and heatshrink tolerance, unless otherwise specified:

<u>Wire/Heatshrink Length</u>	<u>Tolerance</u>
≤ 300mm	± 6mm
> 300mm to ≤ 3000mm	± 12mm
> 3m to ≤ 10m	+50mm/-0mm
> 10m	+150mm/-0mm

- 3.2.4 Must be tested for continuity, shorts and be free of workmanship errors.
- 3.2.5 Each harness must be packed to retain its original shape and must not become entangled when not individually packaged. Part number and quantity must be clearly indicated on packaging.
- 3.2.6 All parts to be CSA, UL or applicable agency approved. The corresponding regulatory marker(s) should be displayed on the packaging, together with the manufacturer name, Christie part number, and production date.
- 3.2.7 All materials and processes must conform to all environmental regulations and requirements, such as EU RoHS and EU REACH.
- 3.2.8 Where relevant, indicate the label type(s) to be used. Example, Flag verses Printed Heatshrink verses Printed and Wrapped etc. When no type is specified, Printed and Wrapped will be used.