

Kabelspezifikation zu Oak-Dist

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1. Stecker

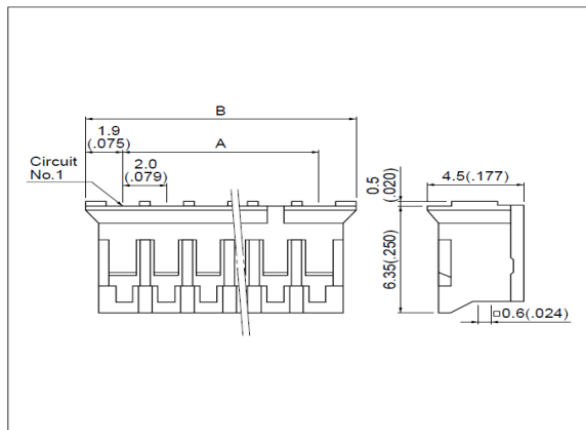
Als Referenz sind folgende Stecker von JST angegeben

(http://www.jst-mfg.com/product/detail_e.php?series=199)

Steckergehäuse: JST PHR-3

Crimpkontakte: JST SPH-004T-P0.5S

Es können auch andere, kompatible Stecker / Kontakte verwendet werden.



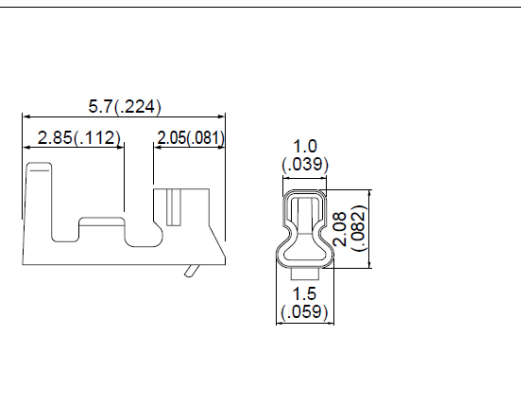
Cir- cuits	Model No.	Dimensions mm(in.)		Q'ty / box
		A	B	
2	PHR- 2	2.0(.079)	5.8(.228)	1,000
3	PHR- 3	4.0(.157)	7.8(.307)	1,000
4	PHR- 4	6.0(.236)	9.8(.386)	1,000
5	PHR- 5	8.0(.315)	11.8(.465)	1,000
6	PHR- 6	10.0(.394)	13.8(.543)	1,000
7	PHR- 7	12.0(.472)	15.8(.622)	1,000
8	PHR- 8	14.0(.551)	17.8(.701)	1,000
9	PHR- 9	16.0(.630)	19.8(.780)	1,000
10	PHR-10	18.0(.709)	21.8(.858)	1,000
11	PHR-11	20.0(.787)	23.8(.937)	1,000
12	PHR-12	22.0(.866)	25.8(1.016)	1,000
13	PHR-13	24.0(.945)	27.8(1.094)	1,000
14	PHR-14	26.0(1.024)	29.8(1.173)	1,000
15	PHR-15	28.0(1.102)	31.8(1.252)	1,000
16	PHR-16	30.0(1.181)	33.8(1.331)	1,000

Material

Nylon 66, UL94V-0, natural (white)

<For reference> As the color identification,
the following alphabet shall be put in the underlined part.
For availability, delivery and minimum order quantity, contact JST.

ex. **PHR-2-00**
(blank)...natural (white)
BK...black R...red TR...tomato red BL...blue Y...yellow
L...lemon yellow M...green D...orange N...brown
P...purple PK...pink H...gray LE...light blue
FY...vivid yellow



Model No.	Applicable wire			Q'ty / reel
	mm ²	AWG #	Insulation O.D. mm(in.)	
SPH-002T-P0.5S	0.05 to 0.22	30 to 24	0.9 to 1.5(.035 to .059)	8,000
SPH-002T-P0.5L	0.08 to 0.22	28 to 24	0.8 to 1.5(.031 to .059)	8,000
SPH-004T-P0.5S	0.032 to 0.08	32 to 28	0.5 to 0.9(.020 to .035)	10,000

Material and Finish

Phosphor bronze, tin-plated

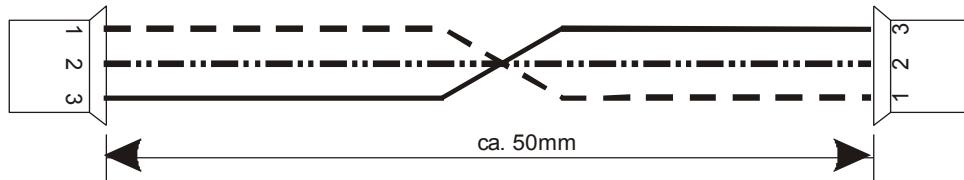
Note:

1. Contact JST for gold-plated contacts.
2. SPH-002T-P0.5L is low-insertion force type contact, for easier insertion/
withdrawal, which would be less resistant to the vibration. The crimp height is
different from the standard.
3. When using AWG#32 or #30 wires, reflow-treated headers
(Low insertion force type, Model No. B#B-PH-KL or S#B-PH-KL) are
recommendable.
4. Contact JST for details.



2. Kabel

Die Kabellänge wird anhand des zugeschickten PCB-Musters angepasst. Es soll möglichst kurz gehalten werden.

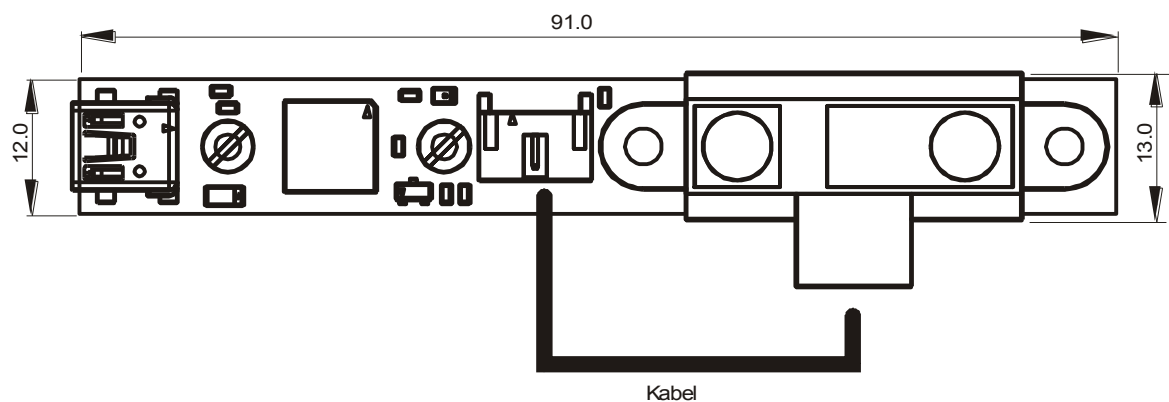


Farbvorschlag (nicht zwingend)

- 1 weiss
- 2 schwarz
- 3 rot

Es fließen nur kleine Ströme (ca. 20mA). Die Leiter dürfen daher praktisch beliebig dünn gehalten werden.

Das Kabel wird für die Verbindung auf einem einzigen PCB verwendet. Der Modulstecker (rechts) liegt dabei ca. 5mm höher als der PCB-Stecker (links).



Falls die drei Leiter sehr beweglich sind, wäre es wünschenswert, diese gegeneinander zu fixieren (eventuell durch eine 360° Verdrillung des gesamten Kabels?). Das müsste in der Länge berücksichtigt werden.



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