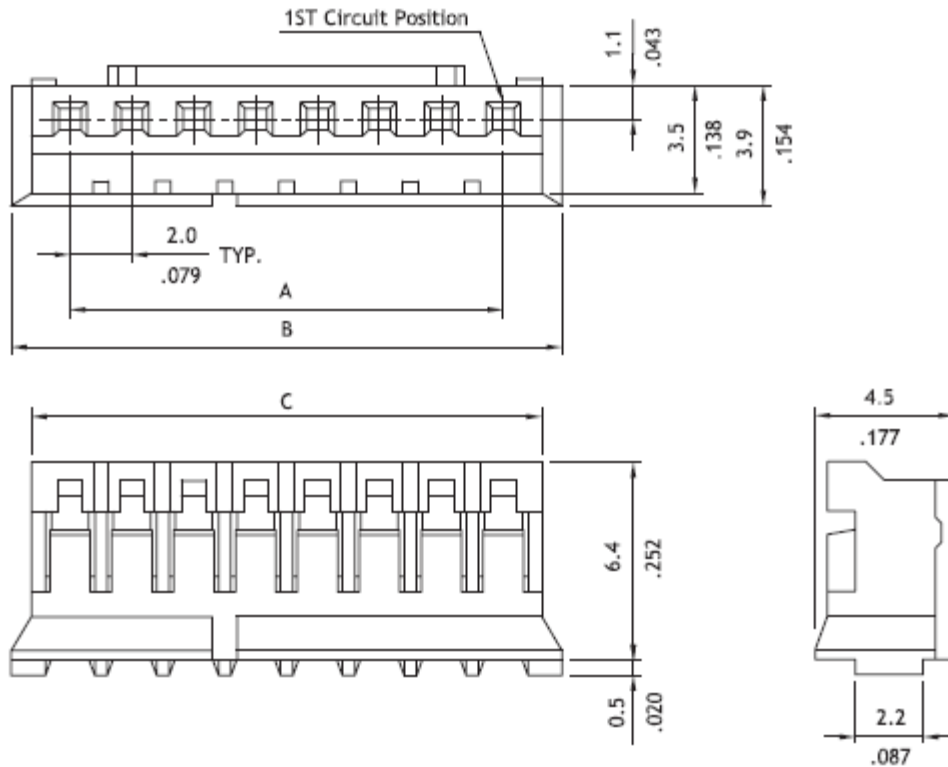


## Connectors to Optodrive Modules

The Optodrive LED- modules work with 3 different connectors suited for different power loads. The low voltage versions called ID, ED and LC use standard connectors from JST and CviLux. The AC versions require a different connector to achieve greater creepage distance between the connector pins. At some specific modules Push In connectors are used for easy mounting.

### *ID, ED and LC modules*

The harness or cables requires connector JST PHR-3, or CviLux CI01-03S0000 or equivalent connectors. The numbers of circuits can vary.

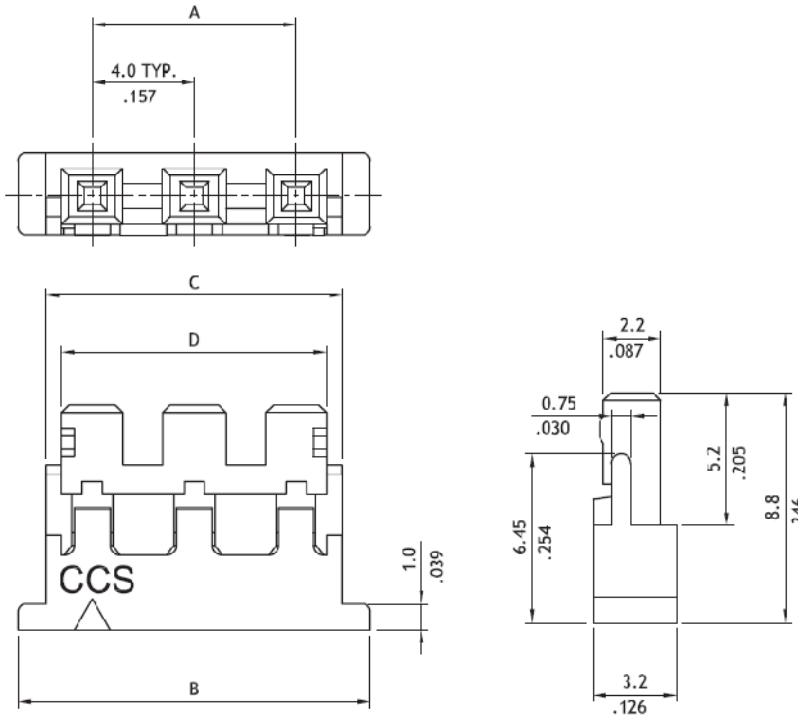


Circuits	A	B	C
2	2 mm	5.8 mm	4.5 mm
3	4 mm	7.8 mm	6.5 mm
4	6 mm	9.8 mm	8.5 mm
5	8 mm	11.8 mm	10.5 mm
<b>Tolerances</b>	+/-0.1	+ 0 / -0.4	+ 0 / -0.3

The thickness of connector for Optodrive ID, ED and LC is 3.5 mm +0/-0.3


*AC modules*

The harness or cables requires connectors JST BHR-02(8.0)VS-1N or CviLux CP0403S0000 or equivalent connector.

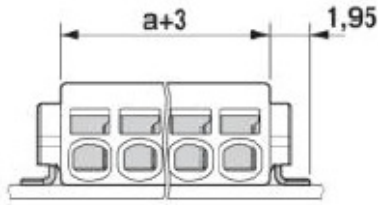


	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>dimensions</b>	8.0 mm	13.8 mm	11.6 mm	10.4 mm
<b>tolerances</b>	+/- 0.1	+/- 0.3	+0.1 / -0.3	+0.1 / -0.3

The thickness of connector for Optodrive AC is 2.2 mm +0.1/-0.2

	<b>Connectors</b>	<b>Document no:</b> n/a	<b>Revision:</b> V1.1	<b>Page:</b> Page 3 of 3
	<b>Object:</b> Approved connectors for Optodrive modules	<b>Author:</b> SL/FP	<b>Date:</b> 2011-03-24	

*Push In connector*



Direct connection with wires/conductors to ease mounting of cables.

**Wire Connection data**

<b>Wire type (Conductor)</b>	<b>Min</b>	<b>Max</b>
<b>Solid</b>	0.14 mm <sup>2</sup>	0.5 mm <sup>2</sup>
<b>Stranded</b>	0.2 mm <sup>2</sup>	0.5 mm <sup>2</sup>
<b>Stranded, with ferrule without plastic sleeve</b>	0.25 mm <sup>2</sup>	0.5 mm <sup>2</sup>
<b>AWG</b>	24	20

*Precaution for use*

We ask you to take this information as a guideline for your own evaluation. Secure your health for hazard risk when working with AC. Follow the guidelines in the technical documentation for the specific LED module and from the evaluated connector manufacturer's guidelines.