

# 1.25 PicoBlade™ Series

## Current Derating Reference Information



Wire Size	Wire-to-Board			Wire-to-Wire		
	Housing + Terminal (female)	<b>MATES TO</b>	PCB Header	Housing + Terminal (female)	<b>MATES TO</b>	Housing + Terminal (male)
	51021 + 50058 50079	<b>MATES TO</b>	53398 53261 53047 53048	51021 + 50058 50079	<b>MATES TO</b>	51047 + 50125 50133
	2-circuit	8-circuit	15-circuit	2-circuit	6-circuit	10-circuit
26AWG	2.5A	1.5A	1.0A	2.5A	2.0A	1.0A
28AWG	2.0A	1.5A	1.0A	2.0A	1.5A	1.0A
30AWG	1.5A	1.0A	1.0A	1.5A	1.0A	1.0A
32AWG	1.5A	1.0A	0.8A	1.3A	1.0A	0.8A

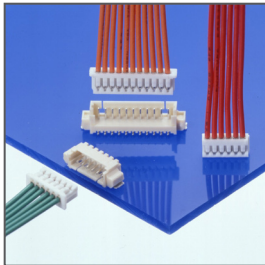
(1) Values are for REFERENCE ONLY.

(2) Current deratings are based on not exceeding 30°C temperature rise.

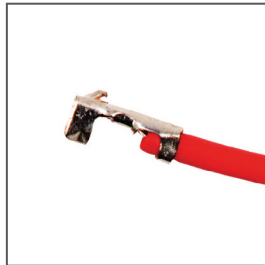
(3) Temperature rise is measured in barrel area of crimp terminal.

(4) PCB trace design can greatly affect temperature rise results.

(5) Data is for all circuits powered.



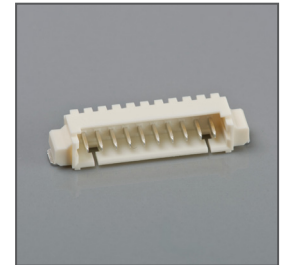
PicoBlade SMT



PicoBlade Terminal



PicoBlade Housing



PicoBlade PCB Header

[www.molex.com/product/picoblade.html](http://www.molex.com/product/picoblade.html)