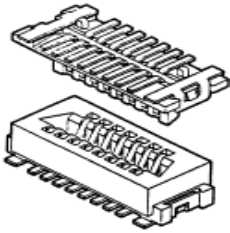


**91930-31169LF - Conan® : PCB  
Mezzanine Vertical Receptacle Connector;  
SMT; 1 mm (0.039 in.) Centerline, 69  
Positions**



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## Specifications

<b>Dimensional</b>	
<b>Height (Mated)</b>	7 mm
	6 mm
	5 mm
	4.15 mm
	4.5 mm
<b>Stack Height</b>	determined by header
<b>Height (Conductor - in)</b>	0.129 in.
<b>Height (Conductor - mm)</b>	3.28 mm
<b>General</b>	
<b>Gender</b>	Receptacle
<b>Number of contacts (Total)</b>	69
<b>Packaging</b>	Tape and Reel
<b>Mating half</b>	Mates with all Conan® 69 Position Headers
<b>Electrical</b>	
<b>Current rating</b>	1 amp/Contact
<b>Resistance (Contact)</b>	30 m ohms
<b>Resistance (Insulation)</b>	1000 M ohms
<b>Voltage rating</b>	500 volts
<b>Mechanical</b>	
<b>Durability (Mating cycles)</b>	30 Mating cycles
<b>Insertion force</b>	125 grams per Contact max.
<b>Withdrawal Force</b>	45 grams per Contact min.
<b>Retention force</b>	44N min.
<b>Wipe (Contact)</b>	0.64 mm (0.025 in.)
<b>Mounting</b>	
<b>Polarization pegs (Board)</b>	Yes
<b>Retention feature (Board)</b>	Surface Mount Solder Tab
<b>Solder process</b>	Infrared and Vapor - Phase Reflow
<b>Physical</b>	
<b>Color (Housing)</b>	Cream
<b>Material (Contact)</b>	Copper Alloy
<b>Material (Housing)</b>	LCP
<b>Plating (Contact area)</b>	0.38 µm (15 µin.) GXT™

<b>Plating (Tail)</b>	2.54 $\mu\text{m}$ (100 $\mu\text{in.}$ ) Pure Tin
<b>Underplating (Contact)</b>	1.27 $\mu\text{m}$ (50 $\mu\text{in.}$ ) Nickel
<b>Resistance to Solder Heat</b>	240°C for 30 sec
<b>Temperature (Operating - continuous)</b>	+85°C max.
<b>Temperature (Range)</b>	-55°C to +130°C
<b>Approvals / Certifications</b>	
<b>Approvals / Certifications</b>	UL and CSA Approved
<b>Other Features</b>	
<b>Most Popular Configuration</b>	Not applicable
<b>Vacuum Pick-up Cap</b>	No
<b>Literature</b>	950525-002