

# DISCRETE WIRE HEADER/CABLE COMPONENTS

(2.54 mm) .100" PITCH • A-IPL1, A-CC79 SERIES

MAX  
4.8  
A m p s

<b>A-IPL1</b>	<b>1</b>	<b>PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>TAIL OPTION</b>	<b>K</b>	<b>TR</b>
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## SPECIFICATIONS

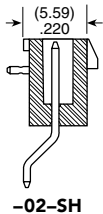
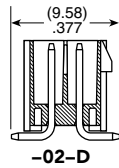
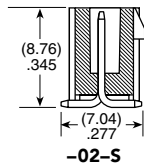
**Insulator Material:**  
Natural LCP  
**Terminal Material:**  
Phosphor Bronze  
**Plating:**  
Sn or Au over  
50 μm (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Voltage Rating:**  
675 VAC/954 VDC

## PROCESSING

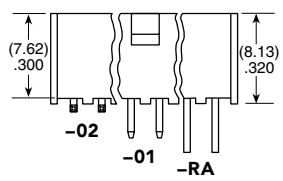
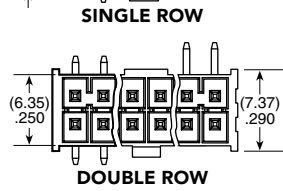
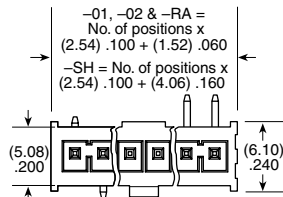
**Lead-Free Solderable:**  
Yes  
**-S & -D (-02 Lead Style)**  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (02-05)  
(0.13 mm) .005" max (06-10)\*  
(0.15 mm) .006" max (11-25)\*  
\*(.004" stencil solution may be available; contact ipg@samtec.com)  
**-SH SMT Lead Coplanarity:**  
(0.15 mm) .006" max (02-25)\*  
\*(.004" stencil solution may be available; contact ipg@samtec.com)

**Note:**  
Some lengths, styles and options are non-standard, non-returnable.

**02, 03, 04, 05, 06, 08, 10, 12, 15, 16, 20, 25**  
(Standard sizes)

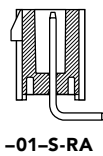
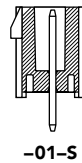


**-01**  
= Through-hole  
**-02**  
= Surface Mount

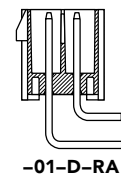
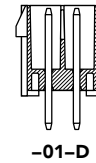


**-L**  
= 10 μm (0.25 μm)  
Gold on contact,  
Matte Tin on tail

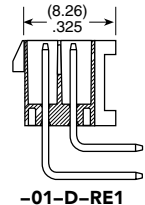
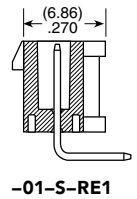
**-S**  
= Single Row  
**-SH**  
= Single Row Horizontal (-02 lead style only)  
**-D**  
= Double Row



**-RA**  
= Right-angle (-01 lead style only)  
**-RE1**  
= Right-angle Elevated (-01 lead style only) (-K is a required callout)



**-K**  
= Keyed Polarization



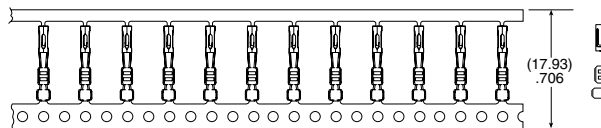
**-TR**  
= Tape & Reel (-02 lead style only)  
Comes with Polyimide Pick & Place Pad

<b>SERIES</b>	<b>WIRE GAUGE</b>	<b>01</b>	<b>PLATING OPTION</b>
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**A-CC79R**  
= Contact, Full Reel  
(12,000 Parts per Reel)

**-2630**  
= 26 to 30 AWG  
**-2024**  
= 20 to 24 AWG

**-L**  
= 10 μm (0.25 μm)  
Gold on contact,  
Tin on tail



## TOOLING

Hand Tool: CAT-HT-179-2030-13 (20-30 AWG)

Mini Applicator: CAT-MC-179-2024-XX-01 (20-24 AWG)

Mini Applicator: CAT-MC-179-2630 XX-01 (26-30 AWG)

Extraction Tool: CAT-EX-179-01

Due to technical progress, all designs, specifications and components are subject to change without notice.