



**THE DATASHEET OF
IPL1-102-01-S-S-K**





| IPL1 | 1 | PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | TAIL OPTION | K | OPTION |
|------|---|---|---|---|---|--|--------------------------------------|--|
| | | 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 -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-02 lead style only) Comes with Polyimide Pick & Place Pad |

IPL1

Cable Mates:

MMSD, MMSS,
MMSDT, MMSST

SPECIFICATIONS

Insulator Material:

Natural LCP

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over

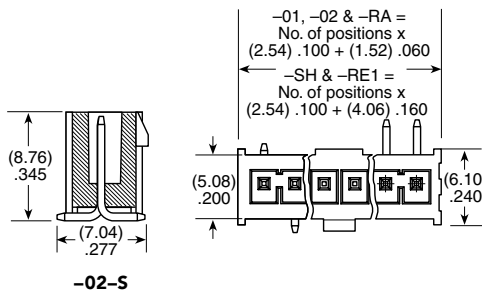
50 μm (1.27 μm) Ni

Operating Temp Range:

-55 °C to +125 °C

Voltage Rating:

675 VAC/954 VDC



| MMSD/IPL1 | |
|------------|--------------------------|
| WIRE GAUGE | CURRENT RATING (PER PIN) |
| 20 | 4.8 A |
| 22 | 4.3 A |
| 24 | 3.9 A |
| 26 | 3.5 A |
| 28 | 2.6 A |
| 30 | 2.1 A |

2 PINS POWERED

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)

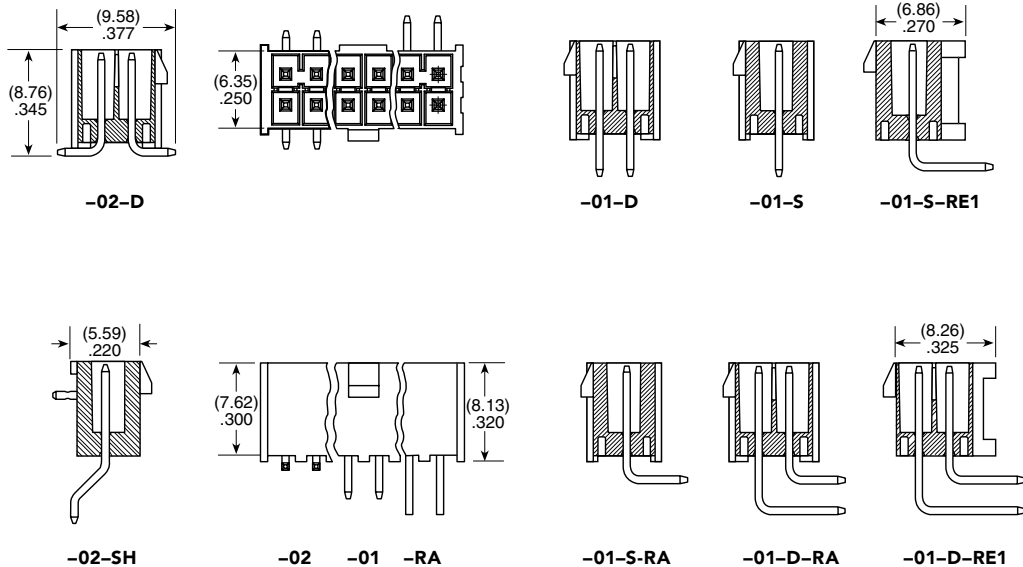
-SH SMT Lead Coplanarity:

(0.15 mm) .006" max (02-25)*

*(.004" stencil solution

may be available; contact

ipg@samtec.com)



ALSO AVAILABLE

MOQ Required

Other sizes

With or without plug polarization

Guide post holes

Other platings

Weld tab


Note:

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

View complete specifications at: samtec.com?IPL1

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View IPL1-102-01-S-S-K on WIN SOURCE](#)

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