



**THE DATASHEET OF  
IPL1-105-01-S-D-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)	<b>-01</b> = Through-hole  <b>-02</b> = Surface Mount	<b>-L</b> = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail	<b>-S</b> = Single Row  <b>-SH</b> = Single Row Horizontal (-02 lead style only)  <b>-D</b> = Double Row	<b>-RA</b> = Right-angle (-01 lead style only)  <b>-RE1</b> = Right-angle Elevated (-01 lead style only) (-K is a required callout)	<b>-K</b> = Keyed Polarization	<b>-TR</b> = Tape & Reel (-02 lead style only) Comes with Polyimide Pick & Place Pad  <b>-FR</b> = 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

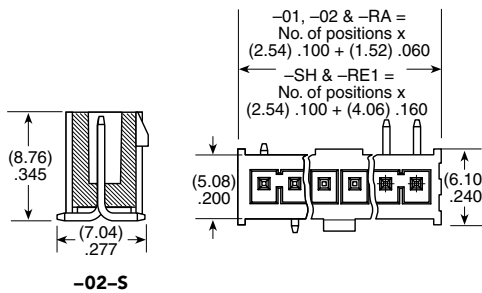
50 μm (1.27 μm) Ni

### 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)

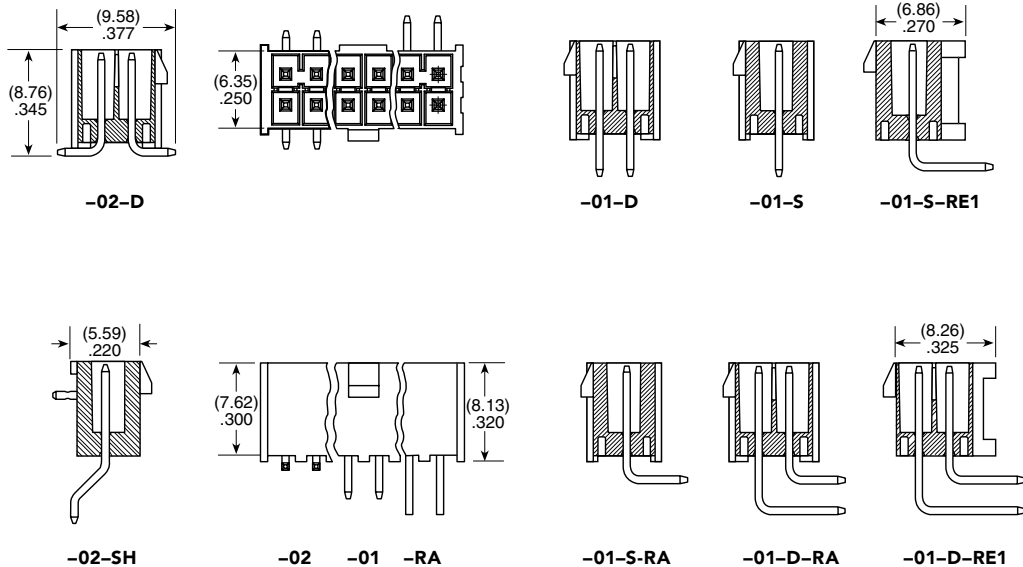
### -SH SMT Lead Coplanarity:

(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](http://samtec.com?IPL1)

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View IPL1-105-01-S-D-K on WIN SOURCE](#)

 [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management