

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

**-01**  
= Through-  
hole

**-02**  
= Surface  
Mount

**-L**  
= 10  $\mu$ " (0.25  $\mu$ m)  
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

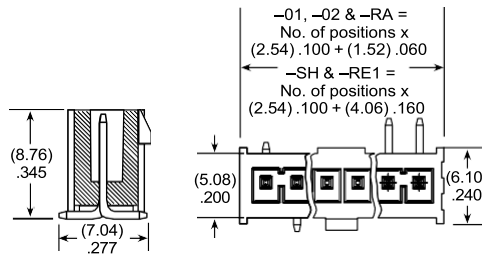
50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-55 °C to +125 °C

### Voltage Rating:

675 VAC/954 VDC



2 PINS POWERED

### -02-S

#### 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

## 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)\*

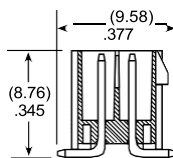
(0.15 mm) .006" max (11-25)\*

\*(.004" stencil solution  
may be available; contact  
IPG@samtec.com)

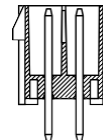
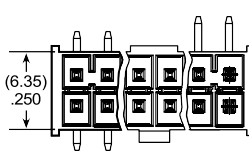
#### -SH SMT Lead Coplanarity:

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

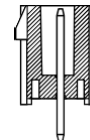
\*(.004" stencil solution  
may be available; contact  
ipg@samtec.com)



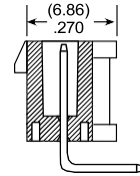
-02-D



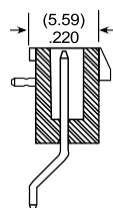
-01-D



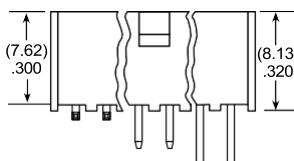
-01-S



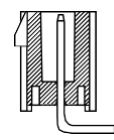
-01-S-RE1



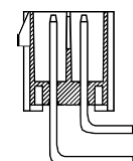
-02-SH



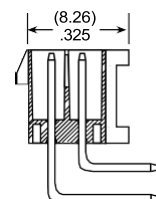
-02 -01 -RA



-01-S-RA



-01-D-RA



-01-D-RE1

## 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.

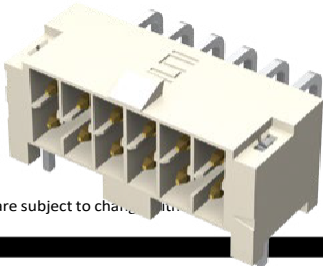
**miniMATE<sup>®</sup>**

View complete specifications at: [samtec.com?IPL1](http://samtec.com?IPL1)

MAX

4.8

A m p s



**(2.54 mm) .100" PITCH • DISCRETE WIRE TERMINAL**

IPL1	-	1	PINS PER ROW	-	LEAD STYLE	-	PLATING OPTION	-	ROW OPTION	-	TAIL OPTION	-	K	-	OPTION
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