

| IPL1 | 1 | PINS PER ROW                                                                      | LEAD STYLE                                                        | PLATING OPTION                                                                                                                   | ROW OPTION                                                                                                                    | TAIL OPTION                                                                                                                                     | K                                 | OPTION                                                                                                                                                                                                                                                                   |
|------|---|-----------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |   | 02, 03,<br>04, 05,<br>06, 08,<br>10, 12,<br>15, 16,<br>20, 25<br>(Standard sizes) | <b>-01</b><br>= Through-hole<br><br><b>-02</b><br>= Surface Mount | <b>-F</b><br>= Gold flash on contact, Matte Tin on tail<br><br><b>-L</b><br>= 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail | <b>-S</b><br>= Single Row<br><br><b>-SH</b><br>= Single Row Horizontal (-02 lead style only)<br><br><b>-D</b><br>= Double Row | <b>-RA</b><br>= Right-angle (-01 lead style only)<br><br><b>-RE1</b><br>= Right-angle Elevated (-01 lead style only) (-K is a required callout) | <b>-K</b><br>= Keyed Polarization | <b>-TR</b><br>= Tape & Reel (-02 lead style only) Comes with Polyimide Pick & Place Pad<br><br><b>-FR</b><br>= 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 μ" (1.27 μm) Ni

#### Operating Temp Range:

-55 °C to +125 °C

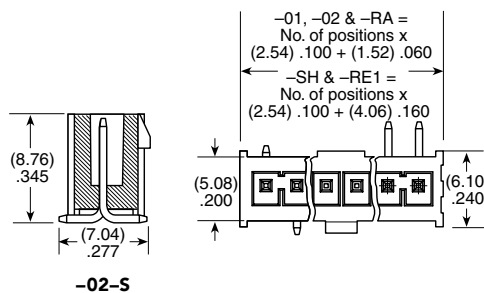
#### Current Rating:

4.8 A per pin

(2 pins powered)

#### Voltage Rating:

275 VAC/389 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)

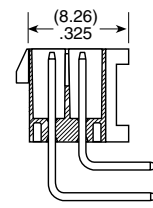
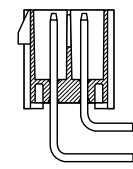
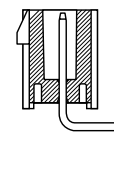
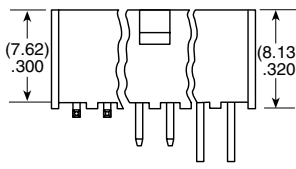
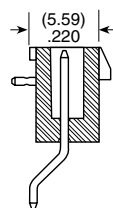
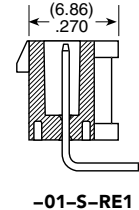
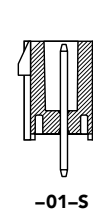
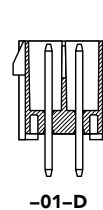
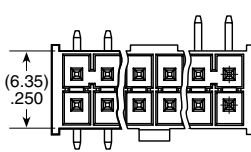
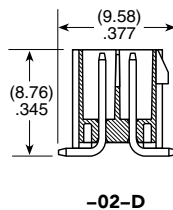
#### -SH SMT Lead Coplanarity:

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

\*(.004" stencil solution

may be available; contact

ipg@samtec.com)



### ALSO AVAILABLE

Contact Samtec

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)