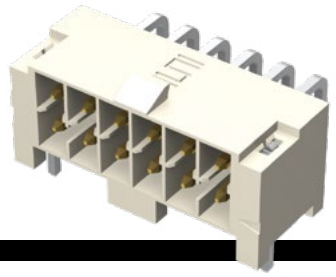
# THE DATASHEET OF

# IPL1-102-01-L-D-K

# miniMATE®

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

MAX 4.8 Amps

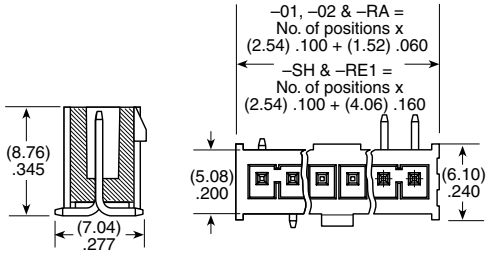


| IPL1 | 1 | PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | TAIL OPTION | K | OPTION |
|---|---|---|---|---|---|---|---|---|
| | | 02, 03, 04, 05, 06, 08, 10, 12, 15, 16, 20, 25 (Standard sizes) | –01 = Through-hole<br>–02 = Surface Mount | –L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail | –S = Single Row<br>–SH = Single Row Horizontal (–02 lead style only)<br>–D = Double Row | –RA =Right-angle (–01 lead style only)<br>–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<br>–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 µ" (1.27 µm) Ni
**Operating Temp Range:**
-55 °C to +125 °C
**Voltage Rating:**
675 VAC/954 VDC



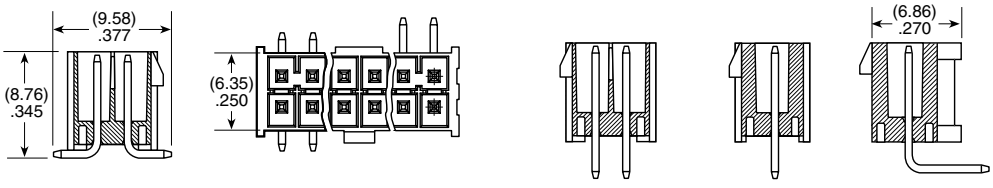

–02–S

| MMSD/IPL1 | |
|---|---|
| WIRE GUAGE | 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

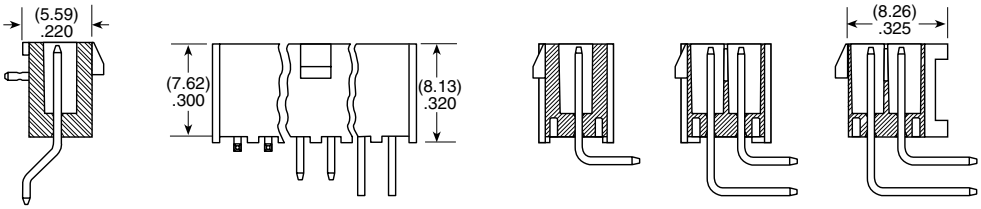
**Lead–Free Solderable:**
Yes
**–S & –D (–02 Lead Style)**
**SMT Lead Coplanarity:**
(0.10 mm) .004" max (02-05)
(0.13 mm) .005" max (06-10)*
(0.15 mm) .006" max (11-25)*
*(.004" stencil solution
may be available; contact
IPG@samtec.com)
**–SH SMT Lead Coplanarity:**
(0.15 mm) .006" max (02-25)*
*(.004"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




–02–D –01–D –01–S –01–S–RE1

## ALSO AVAILABLE
MOQ Required

Other sizes
With or without plug polarization
Guide post holes
Other platings
Weld tab




–02–SH –02 –01 –RA –01–S-RA –01–D–RA –01–D–RE1

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

View complete specifications at: **samtec.com?IPL1**




Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

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

Click below to explore more details on WIN SOURCE:

- View IPL1-102-01-L-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