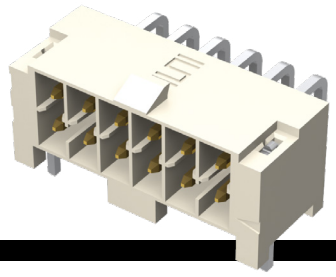
miniMATE®

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

MAX 4.8 Amps



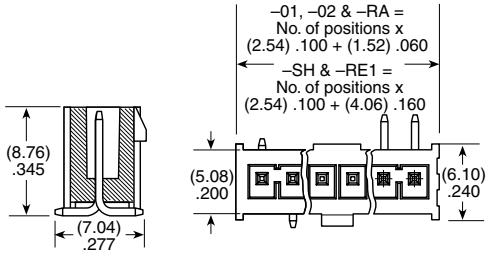
IPL1	1	PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	TAIL OPTION	K	OPTION
		02, 03, 04, 05, 06, 08, 10, 12, 15, 16, 20, 25 (Standard sizes)	–01 = Through-hole –02 = Surface Mount	–F = Gold flash on contact, Matte Tin on tail –L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail	–S = Single Row –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, MMST

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



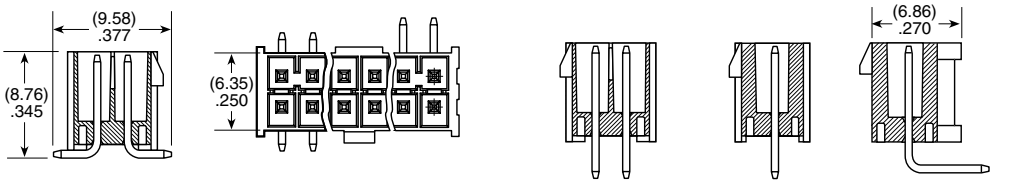
–02–S

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

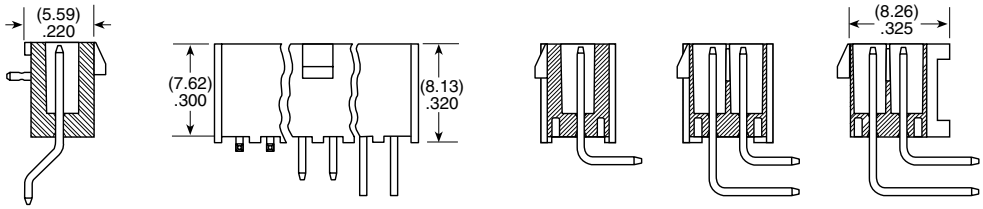
Lead–Free Solderable:
Yes
–S & –D (–02 Lead Style)
SMT Lead Coplanarity:
(0.10 mm) .004" max (02-05)
(0.13 mm) .005" max (06-10)*
(0.15 mm) .006" max (11-25)*
*(.004" stencil solution
may be available; contact
IPG@samtec.com)
–SH SMT Lead Coplanarity:
(0.15 mm) .006" max (02-25)*
*(.004" stencil solution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



–02–D –01–D –01–S –01–S–RE1

ALSO AVAILABLE
Contact Samtec

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.