



# MINI MATE<sup>®</sup> HEADER IPL1 SERIES

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?IPL1](http://www.samtec.com?IPL1)

**Insulator Material:** Black LCP  
REG. NO. E111594

**Terminal Material:** Phosphor Bronze

**Plating:** Sn or Au over 50µ" (1,27µm) Ni

**Operating Temp Range:** -55°C to +125°C

**Voltage Rating:** 675 VAC

**RoHS Compliant:** Yes

### Processing:

**Max Processing Temp:** 230°C for 60 seconds, or 260°C for 20 seconds 3x  
**Lead-Free Solderable:** Yes

**-S & -D**

**SMT Lead Coplanarity:** (0,10mm) .004" max (02-05)  
 (0,13mm) .005" max (06-10)  
 (0,15mm) .006" max (11-25)

**-DH**  
**SMT Lead Coplanarity:** (0,254mm) .010" max

**Mates with:** MMSS, MMSS, SCR2 (Does not mate with IPS1)

CURRENT RATING		
AMBIENT TEMP	SCP2/SCR2/ IPL1	MMSS/IPL1
20°C	5A	7.4A
40°C	4.2A	6.5A
60°C	3.5A	5.9A
75°C	2.8A	N/A
95°C	N/A	3.8A

6 POSITIONS (2x3) 20 AWG POWERED

Mates with discrete wire cable assemblies (IPD1 & MMSS Series)

Align & Latch™

Keyed Polarization

Surface Mount, Right Angle and Vertical Through-hole

(2,54mm) .100" pitch



## APPLICATION SPECIFIC OPTIONS

With or without Plug Polarization. Call Samtec.

<b>IPL1</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>OPTION</b>	<b>K</b>
		<b>02, 05, 10, 15, 16, 20, 25</b> (Call Samtec for other sizes)	<b>-01</b> = Through-hole <b>-02</b> = Surface Mount	<b>-L</b> = 10µ" (0,25µm) Gold on contact, Matte Tin on tail	<b>-S</b> = Single Row Vertical <b>-SH</b> = Single Row Horizontal <b>-D</b> = Double Row Vertical <b>-DH</b> = Double Row Horizontal	<b>-RA</b> = Right Angle (-01 lead style only)	<b>-K</b> = Keyed Polarization

**Note:** Other Gold plating options available. Contact Samtec.

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

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