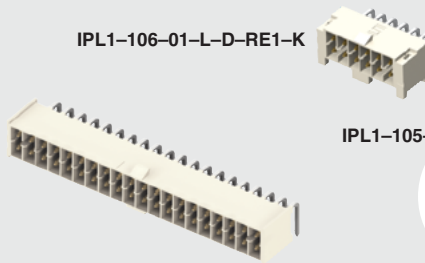




**THE DATASHEET OF  
IPL1-105-02-S-D-K**



IPL1-120-01-L-D-RA-K



IPL1-105-02-L-D-K-TR

IPL1-110-02-L-S-K-TR



(2.54 mm) .100"

IPL1 SERIES

# DISCRETE WIRE HEADER

## SPECIFICATIONS

For complete specifications  
www.samtec.com?IPL1

**Insulator Material:**  
Natural LCP

**Terminal Material:**  
Phosphor Bronze

**Plating:**  
Sn or Au over

50 μm (1.27 μm) Ni

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

**Voltage Rating:**  
675 VAC/954 VDC

**RoHS Compliant:**  
Yes

## 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)

## RECOGNITIONS

For complete scope of  
recognitions see  
www.samtec.com/quality



FILE NO. E111594

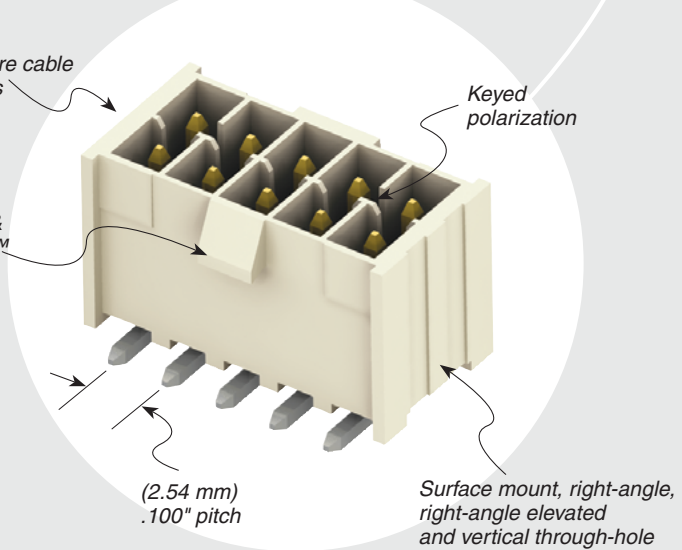
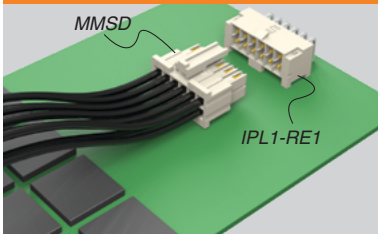
**Mates with:**  
MMSD, MMSS,  
MMSDT, MMSST

Mates with  
discrete wire cable  
assemblies

Keyed  
polarization

Align &  
Latch™

## -RE1 APPLICATION



(2.54 mm)  
.100" pitch

Surface mount, right-angle,  
right-angle elevated  
and vertical through-hole



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

-01  
= Through-hole  
-02  
= Surface Mount

-L  
= 10 μm  
(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)

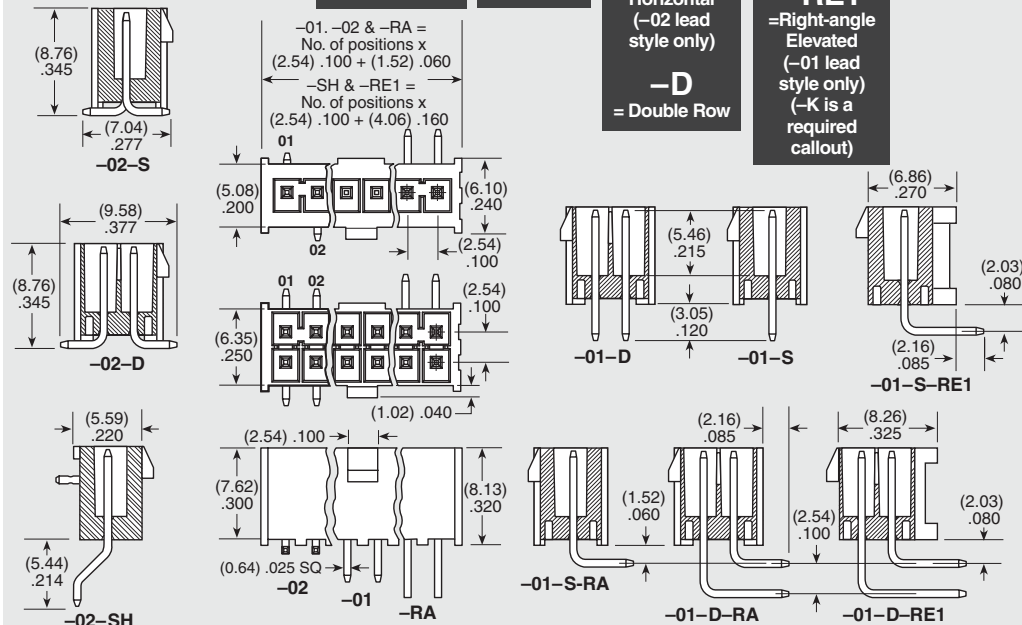
-K  
= Keyed  
Polarization

-TR  
= Tape &  
Reel  
(-02 lead  
style only)  
Comes  
with  
Polyimide  
Pick &  
Place Pad

## 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.




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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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

Click below to explore more details on WIN SOURCE:

 [View IPL1-105-02-S-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