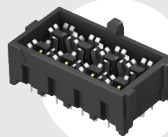


(4.00 mm) .1575"

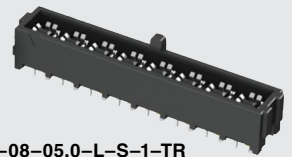
IJ5-04-05.0-L-S-1-TR

IJ5-01-05.0-L-S-1-TR



IJ5-04-05.0-L-D-1-TR

IJ5-08-05.0-L-S-1-TR

**IJ5 SERIES**

50 Ω HIGH ISOLATION RF JACKS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/IJ5

Shell Material:

Copper Alloy

Insulator Material:

Black LCP

Contact Material:

Copper Alloy

Dielectric Material:

Black LCP

Plating:

Au or Sn over

50 μ" (1.27 μm) Ni

Current Rating (Vertical):

Signals: 2.36 A per pin

(2 adjacent pins powered)

Grounds: 4.4 A per pin

(2 adjacent pins powered)

Operating Temp Range:

-55 °C to +125 °C

Dielectric

Withstanding Voltage:

600 VAC

Working Voltage:

200 VAC

RoHS Compliant:

Yes

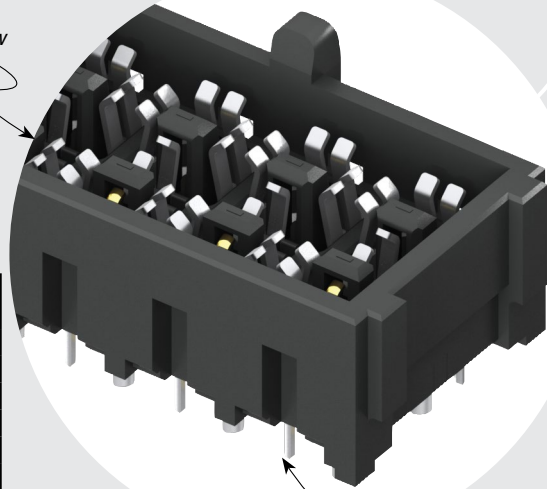
Mates with:

IP5

IP5/IJ5 10 mm Stack Height	Frequency
Insertion Loss = 3 dB	10.5 GHz / 21.0 Gbps
Return Loss = 15 dB	5.5 GHz / 11.0 Gbps
Isolation = 60 dB	8.8 GHz / 17.6 Gbps
Isolation = 70 dB	7.6 GHz / 15.2 Gbps
Isolation = 80 dB	1.3 GHz / 2.6 Gbps

Complete test data available at www.samtec.com/IJ5 or contact sig@samtec.com

Single or
Double Row



1, 2, 4, 6 or 8
Positions

PROCESSING

Lead-Free Solderable:
Yes

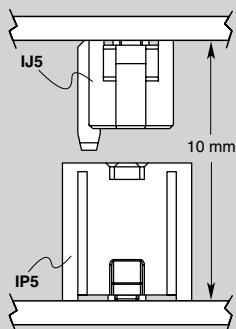
RECOGNITIONS

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



FILE NO. E111594

APPLICATION



OTHER SOLUTIONS

- Cable assembly
(see IJ5C Series)

IJ5 — **JACKS PER ROW** — **05.0** — **PLATING** — **ROW OPTION** — **TAIL** — **"X"R**

—01, —02, —04, —06, —08

—L

= 10 μ" (0.25 μm)
Gold on
contact area,
Matte Tin
on tail

—S

= Single
Row

—D
= Double
Row
(Not available
with —01)

—1

= (1.60 mm)
.062"
board
thickness

—TR

= Tape &
Reel

—FR
= Full Reel
Tape &
Reel (must
order max.
quantity
per reel;
Contact
Samtec for
quantity
breaks)

NO. OF JACKS	A
—01	(5.55) .219
—02	(9.55) .376
—04	(17.55) .691
—06	(25.55) 1.006
—08	(33.55) 1.321

