

IP5-04-05.0-L-S-1-TR

IP5-08-05.0-L-S-1-TR

(4.00 mm) .1575"

IP5, IP5-RA SERIES

50 Ω HIGH ISOLATION RF PLUGS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/IP5

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:

IP5 = 600 VAC

IP5-RA = 190 VAC

Working Voltage:

IP5 = 200 VAC

IP5-RA = 190 VAC

RoHS Compliant:

Yes

IP5

PLUGS
PER ROW

05.0

PLATING

ROW
OPTION

TAIL

OPTION

XR

 Mates with:
 IJ5, IJ5C

 -01,
 -02, -04,
 -06, -08

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

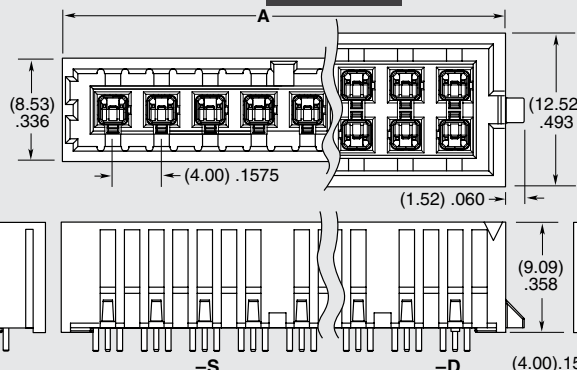
 -S
 = Single Row
 -D
 = Double Row
 (Not available
 with -01)

 -1
 = (1.60 mm)
 .062" board
 thickness

 -L
 = Cable
 Latch
 (Single
 Row only)

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

NO. OF PLUGS	A
-01	(8.33) .328
-02	(12.32) .485
-04	(20.32) .800
-06	(28.32) 1.115
-08	(36.32) 1.430



PROCESSING

Lead-Free Solderable:

Yes

RECOGNITIONS

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



FILE NO. E111594

IP5

PLUGS
PER ROW

01

PLATING

S

TAIL
OPTION

OPTION

XR

 Mates with:
 IJ5, IJ5C

 -02, -04,
 -06, -08

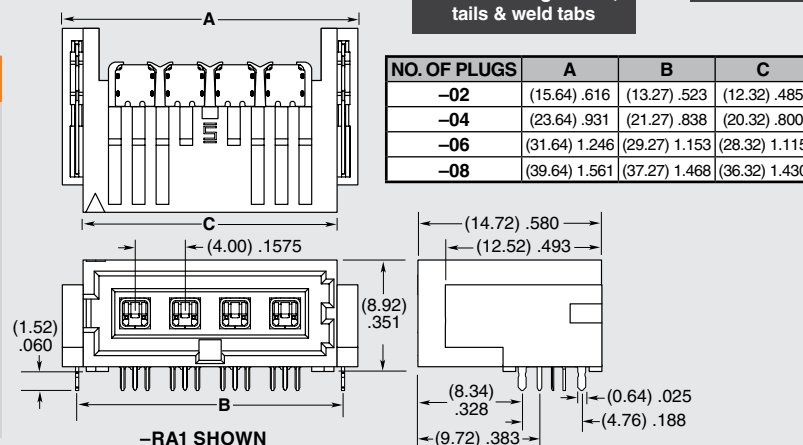
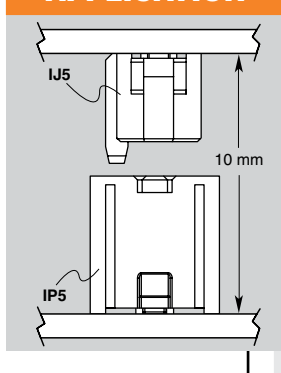
 -L
 = 10 μ" (0.25 μm)
 Gold on contact area,
 Matte Tin on grounds,
 tails & weld tabs

 -RA1
 = (1.60 mm)
 .062" board
 thickness

 (Leave blank
 for no Cable
 Latch)
 -L
 = Cable Latch

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

APPLICATION



NO. OF PLUGS	A	B	C
-02	(15.64) .616	(13.27) .523	(12.32) .485
-04	(23.64) .931	(21.27) .838	(20.32) .800
-06	(31.64) 1.246	(29.27) 1.153	(28.32) 1.115
-08	(39.64) 1.561	(37.27) 1.468	(36.32) 1.430

Mouser Electronics

Authorized Distributor

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