

(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/848 VDC

IP5-RA = 190 VAC/269 VDC

Working Voltage: IP5 = 200 VAC/283 VDC

IP5-RA = 190 VAC/269 VDC

RoHS Compliant: Yes



Mates with: IJ5, IJ5C

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

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

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

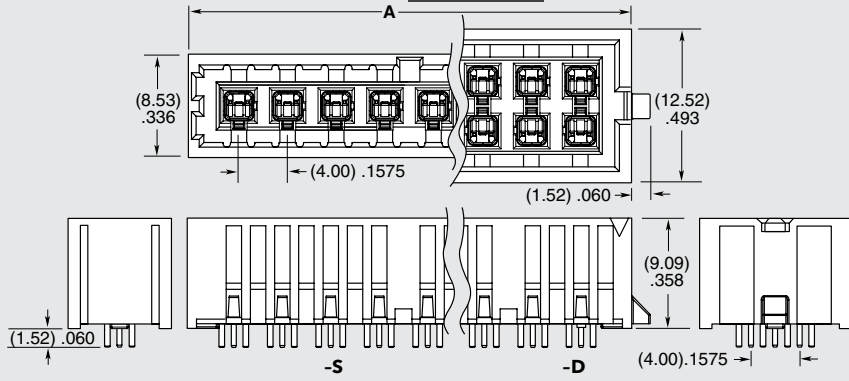
-S
= Single Row
-D
= Double Row
(Not available with -01)

-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)



PROCESSING

Lead-Free Solderable: Yes

RECOGNITIONS

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



FILE NO. E111594



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

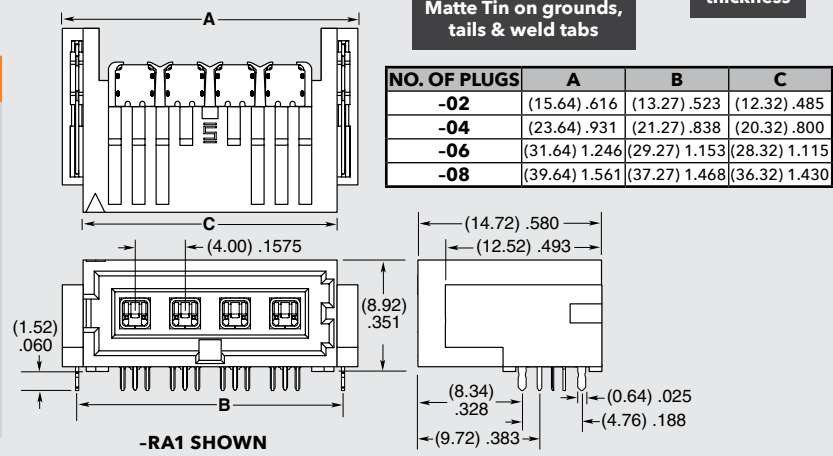
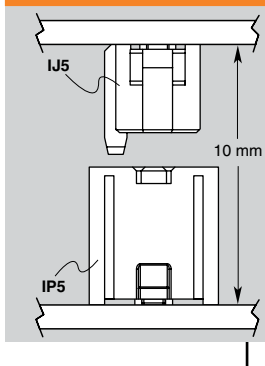
-RA1
= (1.60 mm) .062"
board thickness

(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