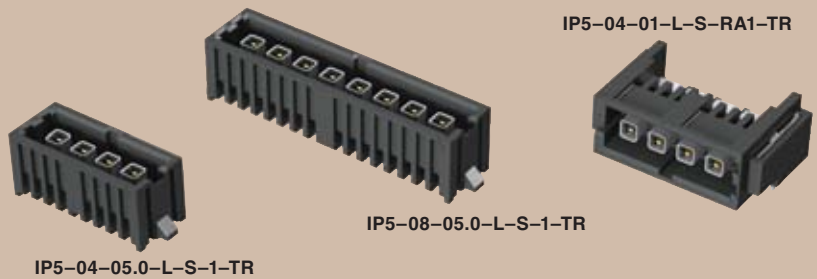


(4,00mm) .1575"

IP5, IP5-RA SERIES



50Ω 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

50μ" (1.27μm) Ni

Operating Temp Range: -40°C to +90°C

Insulation Resistance: IJ5 = >35,000 MΩ

IJ5-RA = 25,000 MΩ

Contact Resistance: IJ5 = Center: <34 mΩ

IJ5 = Outer: <7 mΩ

IJ5-RA = Center: 20 mΩ

IJ5-RA = Outer: 5 mΩ

Dielectric Withstanding Voltage: IJ5 = 600 VAC

IJ5-RA = 190 VAC

Working Voltage: IJ5 = 200 VAC

IJ5-RA = 190 VAC

RoHS Compliant: Yes

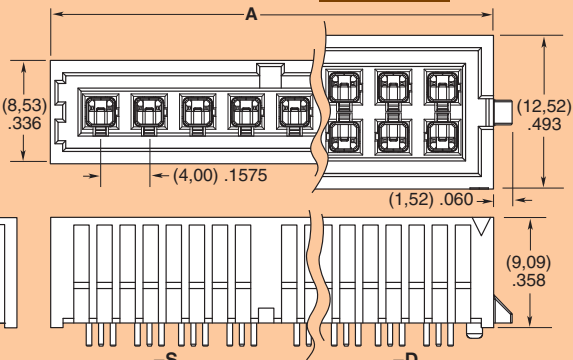
Processing: Lead-Free Solderable: Yes

Yes



Mates with: IJ5, IJ5C

10mm Stack Height	Rated @ 3dB Insertion Loss
Single-Ended Signaling	10.5 GHz / 21 Gbps
Complete test data available at www.samtec.com?IP5 or contact sig@samtec.com	



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

ALSO AVAILABLE

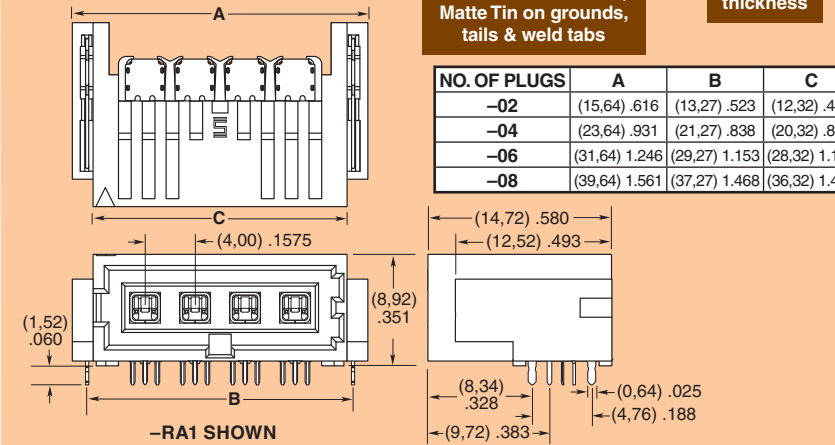
- 75Ω system
- Die cast in-development
- Call Samtec.

APPLICATION

Other stack heights and PCB thicknesses available. Call Samtec.



Mates with: IJ5, IJ5C



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

Standard weld tab
Positive latching option

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

WWW.SAMTEC.COM