

(4.00 mm) .1575"

**IJ5C SERIES**

# 50 Ω HIGH ISOLATION RF CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?IJ5C](http://www.samtec.com?IJ5C)

**Insulator Material:**

Black LCP

**Contact Material:**

Copper Alloy

**Pin Material:**

Copper Alloy

**Dielectric Material:**

Black LCP

**Plating:**Au over 50  $\mu$ " (1.27  $\mu$ m) Ni**Operating Temp Range:**

-40 °C to +90 °C

**RoHS Compliant:** Yes**Cable (-1):****Conductor Size:**

26 AWG,

(0.48 mm) .019" dia.

**Conductor Material:**

Silver Plated Copper

**Insulator Diameter:**

(1.27 mm) .050"

**Insulator Material:**

Foamed FEP

**Shield Material:**

Silver Plated Copper

**Jacket Material:**

FEP

**Jacket Diameter:**

(1.80 mm) .071"

**Bend Radius:**

3.175 mm

**Impedance:**

50 Ω

**Current Rating:** 2.5 A**RoHS Compliant:** Yes**Cable (-2):****Conductor Size:**

26 AWG,

(0.51 mm) .020" dia.

**Conductor Material:**

Silver and Copper

Plated Steel Wire

**Insulator Diameter:**

(1.52 mm) .060"

**Insulator Material:**

PTFE

**Shield Material:**

Silver Plated Copper Wire

**Jacket Material:**

FEP

**Jacket Diameter:**

(2.54 mm) .100"

**Bend Radius:**

12.7 mm

**Impedance:**

50 Ω

**Current Rating:** 5 A DC**RoHS Compliant:** Yes

## RECOGNITIONS

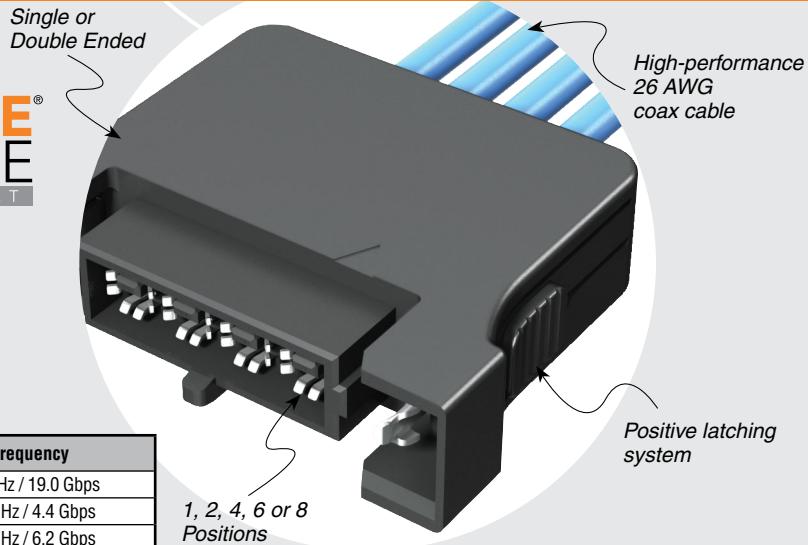
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



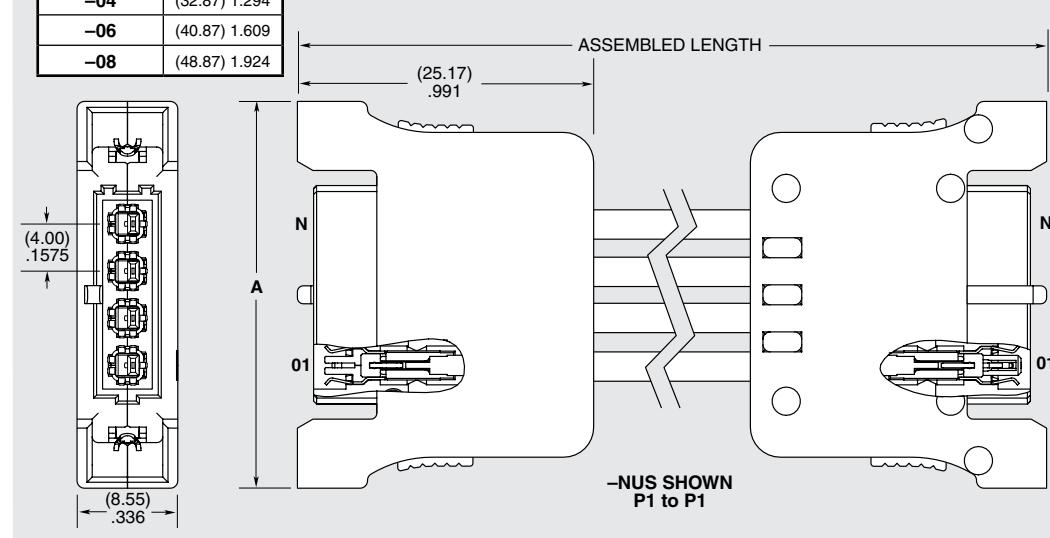
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**Note:**  
This Series is non-standard,  
non-returnable.

**Mates with:**  
IP5

**EDGE RATE CONTACT**


IJ5C	NO. OF POSITIONS	ASSEMBLED LENGTH	PLATING OPTION	END OPTION	END 2 OPTION	CABLE TYPE
	<b>-01, -02, -04, -06, -08</b>	<b>"XXXX"</b> = Assembled Length in millimeters -0100 to -1000 (100 mm) 3.94" minimum	<b>-S</b> = 30 $\mu$ " (0.76 $\mu$ m) Gold on contact	<b>-S</b> = Single Ended	<b>-NUS</b> = Notch up, straight P1 to P1	<b>-1</b> = CTB-2650F-01 cable
	<b>NO. OF POSITIONS</b>	<b>A</b>		<b>-D</b> = Double Ended	<b>-NDS</b> = Notch down, straight P1 to PN	<b>-2</b> = RG 316 cable
	-01	(20.87) .822				
	-02	(24.87) .979				
	-04	(32.87) 1.294				
	-06	(40.87) 1.609				
	-08	(48.87) 1.924				



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