



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



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

IP5-04-01-L-S-RA1-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/848 VDC

IP5-RA = 190 VAC/269 VDC

Working Voltage:

IP5 = 200 VAC/283 VDC

IP5-RA = 190 VAC/269 VDC

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)

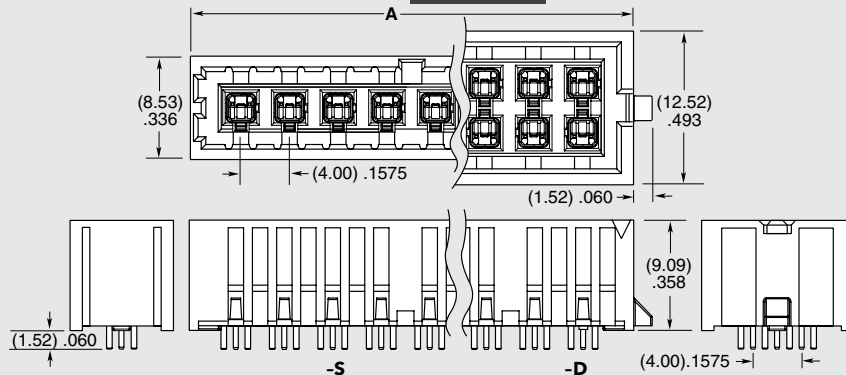
-1
= (1.60 mm)
.062" board
thickness

-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

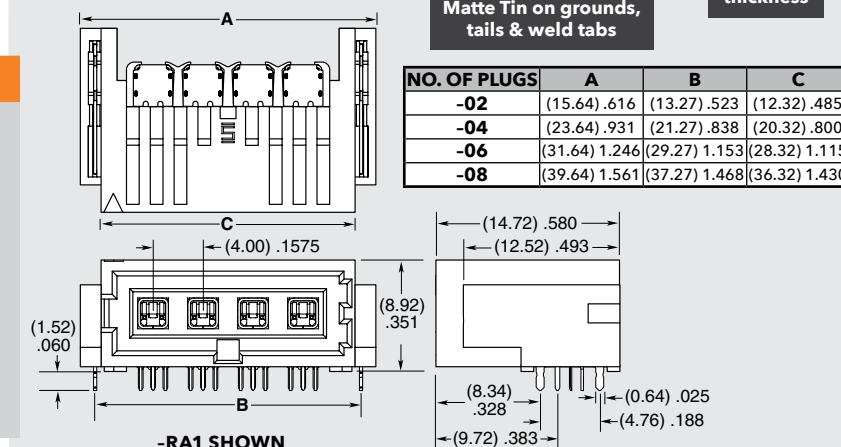
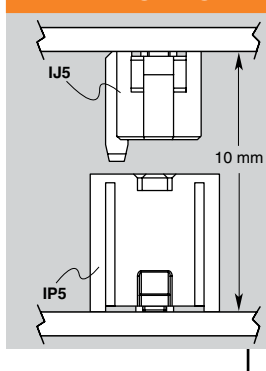
-RA1
= (1.60 mm)
.062" board
thickness

(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