

C28S, CJT SERIES

100Ω SHIELDED TWISTED PAIR SYSTEM

SPECIFICATIONS

For complete specifications see www.samtec.com?C28S

RF Connector:

Outer Contact Material:

Phosphor Bronze (Plug),
Brass (Jack)

Center Contact Material:
Phosphor Bronze (Terminals),
BeCu (Sockets)

Insulator Material:
PTFE

Operating Temperature:

-40°C to +85°C

Voltage Rating:

200 VAC

Frequency Range:

0 - 4 GHz

Impedance:

100Ω

RoHS Compliant: Yes

Cable:

28 AWG shielded
twisted pair

Signal Routing:

100Ω Differential

Jacket Material:

PVC

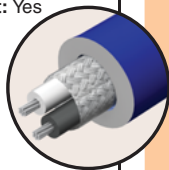
Insulator Material:

PTFE

RoHS Compliant: Yes

Note:

Cable lengths longer than
36.00" (0.92 meter) are not
supported with S.I. test data.



TYPE

Mates with:
CJT, C28S

C28S

= 28 AWG shielded twisted pair

OVERALL LENGTH

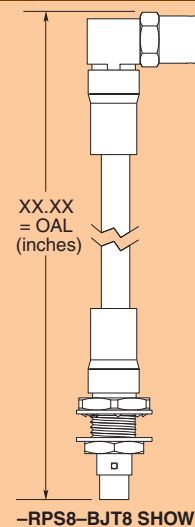
— "XX.XX"
= Overall Length
in Inches
(101,6 mm) 04.00"
minimum

END 1 CONNECTOR

END 2 CONNECTOR

Specify
END OPTIONS
from chart

| END OPTIONS | |
|---|--|
| —SPS8 = Straight Plug with Sockets (30μ" (0,76 μm) Gold on Center and Outer Contact, Gold Flash on Shell) | |
| —RPS8 = Right Angle Plug with Sockets (30μ" (0,76 μm) Gold on Center and Outer Contact, Gold Flash on Shell) | |
| —BJT8 = Bulkhead Jack with Terminals (30μ" (0,76 μm) Gold on Center and Outer Contact, Gold Flash on Shell) | |
| —SING = Single Ended (End 2 callout) | |
| —XXXXXX = Stripped & Tinned (End 2 callout) (See chart for callout) | |



ALSO AVAILABLE (MOQ Required)

- Additional stripping and
tinning options
Contact Samtec.

STRIPPED & TINNED (Dimensions in inches)

| CALLOUT | A | B | C |
|---------|-----|-----|-----|
| —303030 | .30 | .30 | .30 |
| —303040 | .30 | .30 | .40 |
| —403030 | .40 | .30 | .30 |
| —403040 | .40 | .30 | .40 |

Both center conductors and
braid shield are stripped,
only the center
conductors are tinned.

SPECIFICATIONS

For complete specifications and
recommended PCB layouts see
www.samtec.com?CJT-TH or
www.samtec.com?CJT-BH

Shell Material:

Brass

Insulator Material:

PTFE

Contact Material:

Phosphor Bronze

Frequency Range:

0 - 4 GHz

Working Voltage:

200 VAC

Impedance:

100Ω

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

CJT

GENDER

TYPE

PLATING

ORIENTATION

TERMINATION

Mates with:
C28S

—T

= Jack

—P

= PCB Mount

—HH

= 30μ"
(0,76 μm)
Gold on
pins and
outer contact

—ST

= Straight

—RA

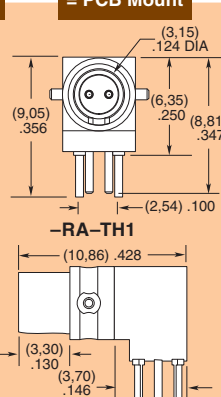
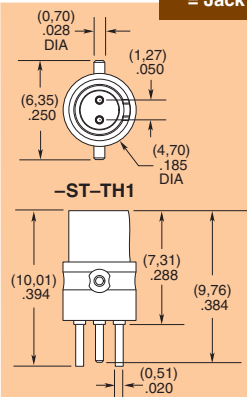
= Right Angle

—TH1

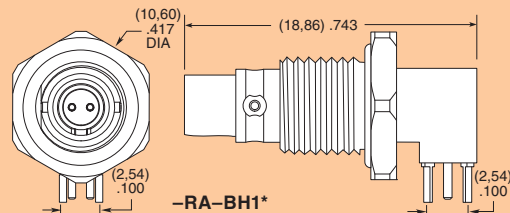
= Standard
Through-hole

—BH1*

= Standard
Bulkhead
Through-hole
(—RA only)



* Lock washer, nut and gasket supplied
unassembled with Bulkhead option.



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

WWW.SAMTEC.COM