



BQRA-92SPP-02-10-0200

BQRA SERIES

# 20 GHz QUAD ROW TEST ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?BQRA](http://www.samtec.com?BQRA)

### End 2 Connector:

**Shell Material:**  
Stainless Steel  
**Contact Material:**  
BeCu

**Cable Body:**  
Stainless Steel

**Insulator Material:**  
Ultem 1000

**Operating Temperature:**  
-65 °C to +165 °C

**Impedance:**  
50 Ω

**Frequency Range:**  
20 GHz

**RoHS Compliant:**  
Yes

**MWC-2350-01**

### Cable:

**Cable Type:**  
Low Loss Microwave Coax

**Gauge:**  
23 AWG

**Shield Material:**  
1. Flat silver plated copper  
2. Silver plated copper braid

**Dielectric:**  
Solid FEP

**Jacket Material:**  
FEP

**Bend Radius:**  
12 mm

**Impedance:**  
50 Ω ± 1 Ω

## COMPONENTS

- For replacement cable see [www.samtec.com?BE23S](http://www.samtec.com?BE23S)
- For replacement block see [www.samtec.com?BQR](http://www.samtec.com?BQR)
- Replacement elastomer gaskets available  
Contact Samtec.

A total of 20 positions with  
10 phased matched pairs

23 AWG  
cable

Stripline PCB  
transmission

BQRA

END 2  
CONNECTORPHASE  
MATCHING

10

OVERALL  
LENGTH

Specify  
END 2 OPTION  
from chart

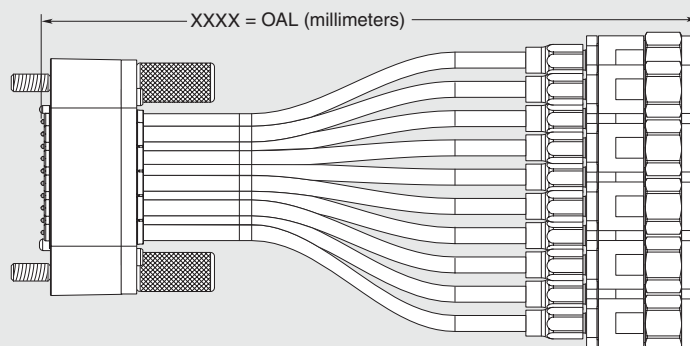
-02  
= 2.0 Pico-second

-05  
= 5.0 Pico-second

-10  
= 10.0 Pico-second

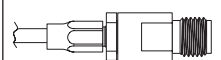
-10  
= Number  
of phase  
matched  
pairs

-“XXXX”  
= Overall Length  
in millimeters  
-0100  
(100 mm) 3.94"  
to -9999  
(9999 mm) 393.7"

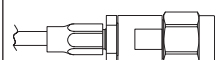


### END 2 OPTIONS

**92SJP = 2.92 mm**  
Straight Jack  
(30 μ" (0.76 μm)  
Gold on Center Contact,  
Stainless Steel on Shell)



**-92SPP = 2.92 mm**  
Straight Plug  
(30 μ" (0.76 μm) Gold  
on Center Contact,  
Stainless Steel on Shell)



**Patent:**  
7544093

**Note:**  
Some lengths, styles and  
options are non-standard,  
non-returnable.

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.