



AEROSPACE



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Brazil	Korea	Spain
Czech Republic	Latvia	Switzerland
Denmark	Lithuania	Taiwan
Estonia	Malaysia	Thailand
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This information is intended as a guide only. To ensure a continuing policy of product improvement, Radiall reserves the right to modify its specifications without prior notification.

D1C141ADE - 2009 March Edition

## MINIATURE COAXIAL CONNECTORS



## Eco BNC series

## INTRODUCTION

## GENERAL

- Standard coaxial connectors
- Bayonet coupling
- Compliant to CECC and IEC standards
- BNC 50  $\Omega$  and BNC 75  $\Omega$

## APPLICATIONS

- Antennas
- Instrumentation
- Broadcast
- RF components (filters, couplers, etc....)
- Wireless communications
- Medical equipment

## ELECTRICAL AND MECHANICAL CHARACTERISTICS

Impedance	50 $\Omega$ or 75 $\Omega$
Frequency range	DC - 1 GHz
Typical VSWR (straight models)	1.3 at 1 GHz
Temperature range	- 40°C / + 85°C
Mating cycles	100 mating cycles

## MATERIAL

Connector body	Brass / Die cast zinc
Insulator	PTFE / Polypropylene
Female center contact	Phosphor bronze

## PLATING

Body	Nickel
Center contact	Gold 0.1 $\mu\text{m}$ (typical)

## PACKAGING

Packaging / MOQ <sup>(1)</sup>	100 pieces bulk / MOQ 1000 pieces Unit packaging / MOQ 100 pieces
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<sup>(1)</sup>MOQ = Minimum Order Quantity

## PLUGS, JACKS, RECEPTACLE AND ADAPTER

## STRAIGHT PLUGS, CRIMP TYPE, FOR FLEXIBLE CABLES



Impedance	Cable group	Cable group dia.	Part number	Fig.	Packaging
50 $\Omega$	RG174 / RG316	2.6/50S	R141A 075 161	1	100 pieces
	RG58 / RG141	5/50S	R141A 082 161	2	100 pieces
	RG142 / RG223 / RG400	5/50D	R141A 083 000	3	100 pieces
75 $\Omega$	RG179 / RG187	2.6/75S	R142A 076 161	4	100 pieces
	BT3002	3.6/75D	R142A 081 177	5	100 pieces
	RG59 / RG62	6/75S and 6/93S	R142A 085 161	6	100 pieces

## STRAIGHT BULKHEAD JACKS, CRIMP TYPE, FOR FLEXIBLE CABLES



Impedance	Cable group	Cable group dia.	Part number	Fig.	Packaging	Note
50 $\Omega$	RG174 / RG316	2.6/50S	R141A 306 000	1	100 pieces	Front mount
	RG174 / RG316	2.6/50S	R141A 331 500	2	100 pieces	Rear mount, panel seal
	RG58 / RG141	5/50S	R141A 332 161	3	100 pieces	Rear mount, panel seal
75 $\Omega$	RG179 / RG187	2.6/75S	R142A 306 500	4	100 pieces	Front mount
	BT3002	3.6/75D	R142A 325 106	5	100 pieces	Rear mount, panel seal
	RG59 / RG62	6/75S and 6/93S	R142A 334 161	6	100 pieces	Rear mount, panel seal

## STRAIGHT BULKHEAD RECEPTACLE



Impedance	Part number	Captivated center contact	Packaging	Note
50 $\Omega$	R141A 605 000	Yes	100 pieces	Front mount, solder pot

## IN SERIES ADAPTER



Impedance	Part number	Captivated center contact	Packaging	Note
50 $\Omega$	R141A 720 000	Yes	100 pieces	Female-female bulkhead

For unit packaging: add "W" after the P/N, Ex: R141A 720 000W.

Please refer to the corresponding Technical Data Sheets for information on crimp tools, stripping dimensions and panel drilling instructions.