

# MIL-DTL-83723 Series III

## Bayonet Coupling, Crimp Rear Release



NYK Component Solutions are a franchised distributor of selected mil-specification connectors for leading QPL manufacturers. We offer a comprehensive inventory of backshells, contacts and connector accessories.

A family of medium-sized environmentally resistant circular connectors. A variety of body styles and three coupling choices: threaded, bayonet or quick disconnect provide a very adaptable product range particularly suitable for airborne interconnections via bulkheads.



### Product Features

- σ Bayonet coupling
- σ A broad range of mating styles
- σ A broad range of plating options
- σ Different key / keyway options
- σ 600 operating VAC (RMS) at sea level
- σ 500 mating cycles minimum
- σ Operating temperature -65degC (-85degF) to +200degC (+392degC)

### Product Benefits

- σ Quick positive coupling
- σ Versatile mounting for a broad range of applications
- σ Prevention of mating with adjacent similar connectors
- σ RFI grounding for EMI shielding
- σ Complete environmental sealing with individual contact sealing by design

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# MIL-DTL-83723 Series III

## Bayonet Coupling, Crimp Rear Release



### How to order

MIL-DTL-83723 Series III Bayonet coupling Crimp Rear Release (example)

<b>M83723</b>	<b>/76</b>	<b>R</b>	<b>10</b>	<b>05</b>	<b>N</b>
Military Prefix	Shell & Contact Style	Service Class	Shell Size	Contact Arrangement	Polarisation N is Normal. See specification or product page for all variants

#### SHELL AND CONTACT STYLE, MIL-DTL-83723 BAYONET COUPLING

Prefix/Contact Style		Shell Style	Available in class
Pin	Socket		
M83723/65	-	Hermetic jam nut receptacle, crimp termination	H
M83723/72	M83723/71	Wall mount receptacle	A,G,R,W
M83723/74	M83723/73	Jam nut receptacle	A,G,R,W
M83723/76	M83723/75	Straight plug	A,G,R,W
M83723/78	M83723/77	Straight plug, EMI grounding	G,R,W
M83723/79	-	Hermetic box mount receptacle, solder termination	H,Y
M83723/80	-	Hermetic solder mount receptacle, solder termination	H,Y
M83723/81	-	Hermetic jam nut receptacle, solder termination	H,Y
M83723/93	-	Hermetic solder mount receptacle, flex lead termination	H,Y
M83723/94	-	Hermetic jam nut receptacle, flex lead termination	H,Y

#### CLASS - BAYONET COUPLING

Class	Description	Material	Finish	Temp
<b>A</b>	Environmental, fluid resistant	Aluminium	Black anodize	+200degC
<b>G</b>	Environmental, fluid resistant	Stainless steel	Passivated	+200degC
<b>H</b>	Hermetic, solder cups	Steel	Fused tin	+150degC
<b>J</b>	Hermetic, eyelet contacts	Steel	Fused tin	+150degC
<b>M</b>	Environmental, fluid resistant	Aluminium	Electrodeposited aluminium	+175degC
<b>P</b>	Hermetic, eyelet contacts	Stainless steel	Passivated	+200degC
<b>R</b>	Environmental, fluid resistant	Aluminium	Electroless nickel	+200degC
<b>T</b>	Environmental, fluid resistant	Aluminium	Nickel fluoro carbon polymer	+175degC
<b>W</b>	Environmental	Aluminium	Cadmium olive drab, 500hr salt spray	+175degC
<b>Y</b>	Hermetic	Stainless steel	Passivated	+200degC
<b>Z</b>	Environmental, fluid resistant	Aluminium	Zinc nickel	+175degC

**MIL-DTL-83723 Series III connectors:** are available in threaded, bayonet and quick disconnect variants.  
**EN2997 and ESC10 connectors:** are enhanced versions of the MIL-DTL-83723 connectors, they feature improved anti-rotation on the thread coupling version and will accommodate both the older generation and the latest generation of wire sizes.  
 Please enquire for details.

#### MIL-DTL-83723 SERIES III

##### INSERT CONFIGURATION BY SHELL SIZE

Shell Size	NUMBER OF CONTACTS			
	Total	CONTACT SIZE		
		20	16	12
8-2	2	2		
8-3	3	3		
8-98	3	3		
10-2	2	2		
10-5	5	5		
10-6	6	6		
10-20	2		2	
12-3	3		3	
12-12	12	12		
14-4	4			4
14-7	7		7	
14-12	12	9	3	
14-15	15	15		
16-10	10		10	
16-24	24	24		
18-8	8			8
18-14	14		14	
18-31	31	31		
20-16	16		16	
20-25	25	19		6
20-28	28	24		4
20-39	39	37	2	
20-41	41	41		
22-12	12			12
22-19	19			19
22-32	32	26		6
22-39	39	27	12	
22-55	55	55		
24-19	19			19
24-43	43	23	20	
24-57	57	55		2
24-61	61	61		