

High Vibration **Dualok**® Connector

38999 Series III Type Connector for High Vibration

The Dualok® represents the latest in high performance connector designs from Amphenol. Featuring a newly developed locking mechanism, the Dualok plug ensures rock-solid coupling and metal-to-metal bottoming in the most severe vibration environments.

Dualok features and benefits include:

- Mates with standard D38999 receptacles
- Designed to withstand and stay mated under vibration levels that exceed MIL-DTL-38999 levels
- Stainless steel shells combined with a composite coupling mechanism provide a weight savings of up to 42% when compared to standard stainless steel designs
- Currently available in size 9 and 11 shells (consult Amphenol for information regarding additional sizes)



New High Vibration Dualok Connector



Easy Steps to Build a Part Number...

1.	2.	3.	4.	5.
Service Class	Connector Type Identification	Shell Size	Insert Arrangement Number	Contact Type/Alternate Keying Position
10	6663	59	35	P

Step 1. Service Class

	Designates
10	Stainless Steel Shell

Step 2. Connector Type Identification

	Designates
6663	High Vibration Dualok

Step 3. Select a Shell Size

	Designates
59	Shell Size 9
60	Shell Size 11

Step 4. Select an Insert Arrangement

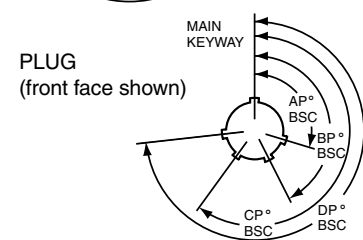
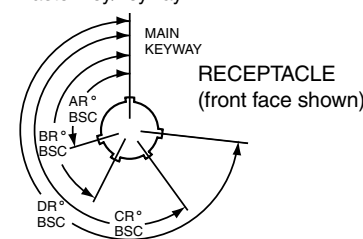
Shell Size	Insert Arrangement Number
9	5
9	35
9	94
9	98
11	2
11	5
11	35
11	54
11	98
11	99

Step 5. Select a Contact Type/Alternate Keying Position

P designates pin, S designates socket for normal positioning of contacts. When an alternate position of the connector is required to prevent cross-mating, a different letter (other than P or S) is used. Select an alternate positioning below, then convert to Amphenol Commercial coding by the bottom chart below.

Shell Size	Key & keyway arrangement identification letter	AR°	BR°	CR°	DR°
		or AP° BSC	or BP° BSC	or CP° BSC	or DP° BSC
9	N*	105	140	215	265
	A	102	132	248	320
	B	80	118	230	312
	C	35	140	205	275
	D	64	155	234	304
11	E	91	131	197	240
	N*	95	141	208	236
	A	113	156	182	292
	B	90	145	195	252
	C	53	156	220	255
	D	119	146	176	298
	E	51	141	184	242

A plug with a given rotation letter will mate with a receptacle with the same rotation letter. The angles for a given connector are the same whether it contains pins or sockets. Master key stays fixed, minor keys rotate. Inserts are not rotated in conjunction with the master key/keyway.



Pin Contacts		Socket Contacts	
Shell Rotation	Amphenol Letter Designation	Shell Rotation	Amphenol Letter Designation
N	P (normal)	N	S (normal)
A	G	A	H
B	I	B	J
C	K	C	L
D	M	D	N
E	R	E	T

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