

CQ Connectors

INTRODUCTION



Amphenol CDI's CQ connector **combines industry-standard D-Subminiature performance and reliability with an innovative toolless quick disconnect.** Traditional D-subminiature connectors require hand/tool tightening, which increases install time, causes installer fatigue, and can introduce foreign object debris (FOD).

The CQ connector eliminates those drawbacks—achieving a **secure mate with a push and audible click.** Designed for seamless system integration, the CQ connector is **fully backward compatible by installing CQ lock posts on an existing D-sub.** Amphenol CDI's CQ connector is the trusted quick release D-sub—flying on major commercial aerospace applications today.

STANDARD FEATURES

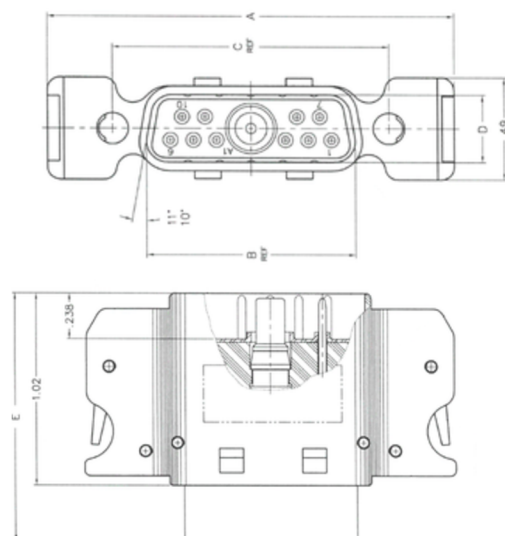
- Quick-disconnect D-Sub connector
- Standard D-Sub pairs backward compatible
- Field repairable design
- Industry-standard AS39029 contacts
- Supports power, signal, and coaxial connections
- MIL-DTL-24308 compatible
- Audible mating click for secure engagement



*90° & straight backshell

OPTIONAL FEATURES

- Environmentally sealed and corrosion-resistant composite options available
- Straight, 90°, and 45° backshells available

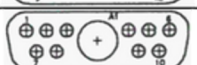
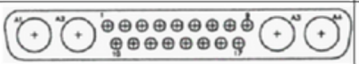
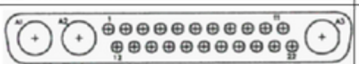
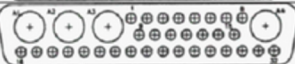
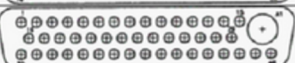


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SPECIFICATIONS

- Operating Temperature: -55°C to +85°C
- Operating Voltage: 1500 VAC
- RoHS Compliant
- Meets Boeing Spec DI-9000
- Complies with Boeing SOW: Moisture resisting quick disconnect D-shaped rectangular & keyhole electrical connector development program Statement Of Work

INSERT ARRANGEMENT & CONTACT SIZE

SHELL SIZE	INSERT ARRANGEMENT	PART NO.	CONTACT		A ±.030	B REF	C REF	D ±.005	E ±.03	APPROX WEIGHT (LESS CONTACT) GRAMS
			SIZE	QTY.						
1		CQEME9P	#20	9	1.600	.666	.984	.329	1.16	11.79
2	15 	CQAME15P	#20	15	1.928	.994	1.312	.329	1.16	15.87
	11W1 	CQAME11W1P	#20	10					1.31	
			#8	1						
3	25 	CQBME2P	#20	25	2.468	1.534	1.852	.329	1.16	20.40
	13W3 	CQBME13W3P	#20	10					3	
			17W2 	CQBME17W2P						
	21W1 	CQBME21W1P							#20	
			#8							
	4	37 	CQCME37P	#20					37	
21W4 		CQCME21W4P	#20	17	4					
			25W3 	CQCME25W3P		#20	22	3		
#8										
5	50 	CQDME50P	#20	50	3.022	2.079	2.406	.436	1.16	31.73
	24W7 	CQDME24W7P	#20	17					7	
			36W4 	CQDME36W4P						
	47W1 	CQDME47W1P							#20	
			#8							

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