

MB36R-22 55S

Specifications

Attribute	Value
Overview	
Description	The Amphenol Matrix MB36R-22-55S is a high-reliability, military-grade circular connector part of the MIL-DTL-26482 Series II product line. It features an environmentally resistant design optimized for harsh aerospace, military, and industrial environments.
Core Specifications	
Connector Type	Straight Plug
Number of Positions	55 positions
Contact Gender	Female Sockets (S)
Shell Size / Insert Arrangement	22-55
Fastening Type	3-point Bayonet Lock system (provides quick positive coupling with visual confirmation)
Termination Style	Rear-insertable, rear-releasable Crimp contacts
Contact Rating	Rated to SAE AS39029 / MIL-C-39029 requirements
Electrical & Environmental Ratings	
Operating Temperature	Range typically spanning -65°C to +200°C (depending on specific shell plating finish)
Ingress Protection	Environmentally sealed via tear-resistant elastomer triple-webbed rear grommets and interfacial seals
Mating Alignment	5-key/keyway design to eliminate accidental mismating
Material & Construction	
Shell Material	Aluminum Alloy
Shell Series Prefix	MB36 refers to the straight plug configuration featuring an integrated backshell adapter/ring.
Contact Finish	Gold plating over copper alloy