

M83723/72R 22 55N

Specifications

Attribute	Value
Overview	
Description	The M83723/72R2255N is a high-performance, military-grade circular connector receptacle qualified under the MIL-DTL-83723 Series III specification. Manufactured by industry-standard brands like Amphenol Aerospace and TE Connectivity DEUTSCH, it is heavily utilized in rugged aerospace, aviation, and military applications.
Core Technical Specifications	
Connector Type	Square Flange Wall-Mount Receptacle
Number of Positions	55 Positions
Contact Gender	Male Pins
Termination Style	Crimp
Mating / Fastening Type	Bayonet Lock coupling
Shell Size / Insert Arrangement	22-55 (Shell size 22)
Orientation / Polarization	N (Normal)
Material & Physical Properties	
Shell Material	Aluminum
Shell Plating / Finish	Electroless Nickel (denoted by the "R" in the part number), providing a silver color
Contact Material	Copper alloy / Brass
Insert Material	Rigid thermoplastic
Sealing	Environment resistant with individual contact seals and a silicone elastomer interfacial seal
Electrical & Environmental Ratings	
Voltage Rating	600 VAC (RMS) at sea level
Current Rating	7.5 A
Operating Temperature	-55°C to 125°C (Note: Certain high-temp variants in Class R can endure up to 200°C)
Durability	Minimum of 500 mating cycles
Flammability Rating	UL94 V-0