

DM9700-27P-1A

Specifications

Attribute	Value
General & Mechanical Specifications	
Series Typology	DM9700 series specifically denotes the push-pull plug hardware profile.
Coupling Type	Quick-disconnect push-pull mechanism designed for rapid mating/unmating in blind or crowded installations.
Standards/Compliance	Designed to meet or exceed MIL-C-26482 military specifications.
Shell Material	High-grade aluminum alloy.
Plating Finish (-1A Variant)	Cadmium plating containing an olive-drab/yellow chromate conversion coating. (Note: Contains Cadmium SVHC regulated substances under REACH guidelines).
Mating Cycles	Durable up to 500 cycles minimum.
Environmental & Electrical Limits	
Operating Temperature Range	-67°F to 257°F (-55°C to +125°C standard, capable up to +200°C depending on custom backshell configurations).
Operational Suitability	High-altitude performance, tailored for extreme vibration environments such as rockets, supersonic aircraft, missiles, and ground military support units.
Contact Interface	Crimp termination style using gold-over-nickel plating layout.
Layout & Dimensions	
Shell Count	The base series accommodates shell clusters across 3, 7, 12, 19, 27, 37, and 61 configurations.
Physical Weight (Approximate)	Base DM9700 series plugs average ~19.1 grams (0.67 oz) depending on exact wire accessory extensions.