



**ARMSTO**

**MIL-DTL-83513 Micro-D &  
MIL-DTL-32139 Nano-D**

**Military Type  
Connectors**

# MIL-DTL-83513 MICRO-D CONNECTOR

Armsto's Micro-D connectors are designed and manufactured in accordance with MIL-DTL-83513 standards.

Armsto indigenously created its military MIL-DTL-83513 connectors, along with developing and producing an extensive product line-up including circular connectors, pre-assembled special wire-harness modules, lightweight, high-density connectors and PCB angled and straight contacts.



## Micro-D Specifications

<b>Connector Shell</b>	Aluminum Alloy 6061	<b>Seal</b>	Fluorosilicone Rubber or Silicone					
	Electroless Nickel		<b>Twist Pin Contact</b>	Copper Alloy, Gold Plated				
	Chem Film			<b>Socket Contact</b>	Copper Alloy, Gold Plated			
	Cadmium with Yellow Chromate				<b>Potting</b>	Epoxy Resin		
	Black Anodized					<b>Hardware</b>	300 Series Stainless Steel	
	Gold over Electroless Nickel						<b>Wire</b>	SAE AS 22759/11
	300 Series Stainless Steel							SAE AS 22759/33
	Passivated							NEMA HP3
	Polyphenylene Sulfide 40% Glass-Filled in with						<b>EMI Shielding</b>	Copper Alloy or Stainless-Steel Gold Plated
<b>Insulator</b>	MIL-M-24519							

# EMI MICRO-D BACKSHELL

EMI Micro-D backshell is compatible with all military type MIL-DTL-83513 connectors, providing strain relief and mechanical protection.



## Why should you choose Armsto's Micro-D Connectors?

- Record delivery times of 1 to 4 weeks
- Best procurement costs
- Tailor-made design in line with customer requirements
- Pin to pin mating with all MIL-DTL-83513 connectors
- Performance standards recognized by actual militaries
- EMI gold ground spring solution
- Customized twist pin design

### EMI Micro-D Backshell

<b>Connector Shell</b>	Aluminum Alloy 6061
	Electroless Nickel
	Chem Film
	Cadmium with Yellow Chromate
	Black Anodized
	Gold over Electroless Nickel
	300 Series Stainless Steel
	Passivated
<b>Hardware</b>	300 Series Stainless Steel
<b>Seal</b>	Fluorosilicone Rubber or Silicone
<b>Conductive Seal</b>	Silver Aluminum Filled Fluorosilicone



# About ARMSTO

Armsto has ISO 9001:2015 and AS 9100:2016 certificates and manufactures connectors for the defense and aerospace industry and provides sales and technical support in every market around the world.

Micro-d and nano-d connectors are manufactured to the MIL-DTL-83513 and MIL-DTL-32139 military standard.

All production steps are realized in house. From development to prototyping, their qualification to serial production.

## Armsto has its own;

- Automatic lathes
- High precision milling machines
- Mold making
- Injection molding
- Assembly shops for cables and connectors
- Full automatic Twist pin production line
- Connector Body and contact Plating Line
- Express line production for immediately request
- X-Ray device, testing systems and cabins



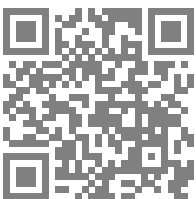
**We are ready, able, and willing to be a solution partner for our dear clients and customers and you.**



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