



www.armsto.com.tr

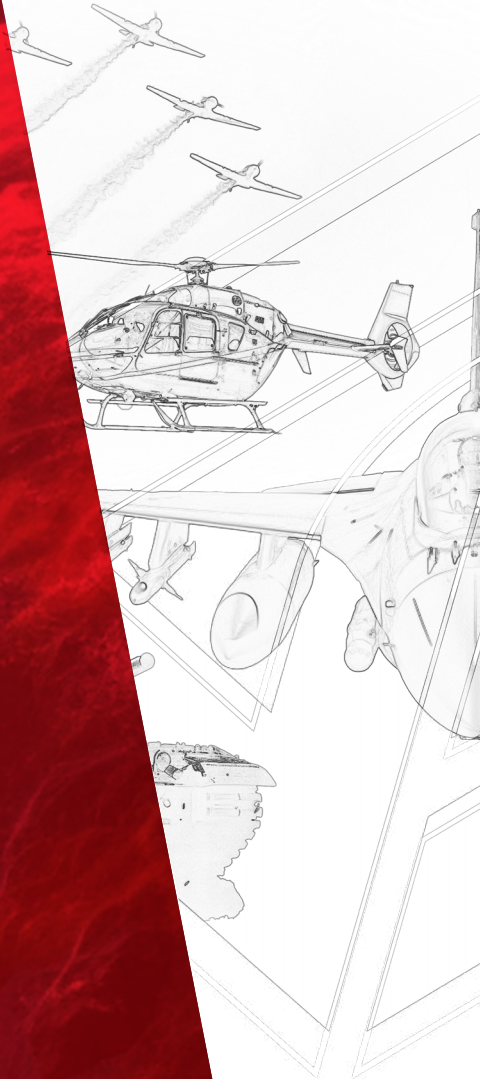


Armsto Twist Pin Contact Technology

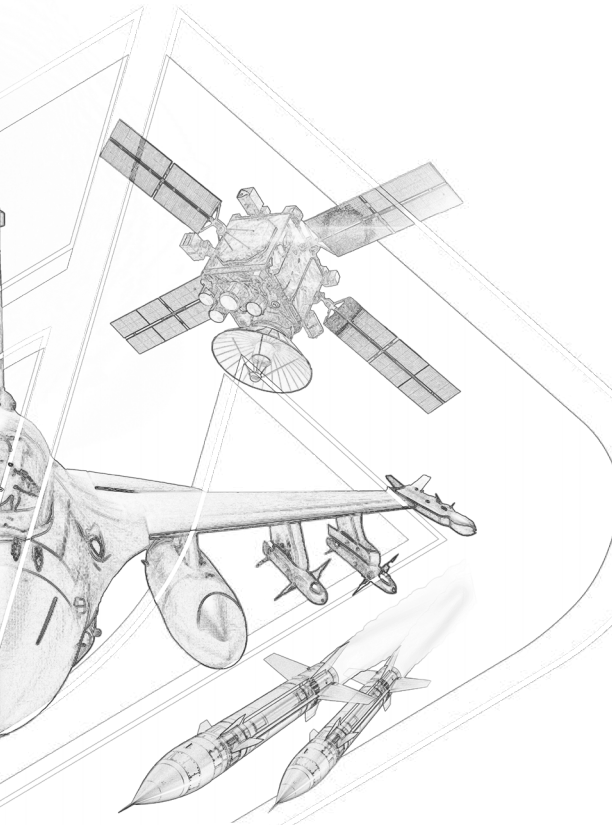
Armsto Connector combines advanced twist-pin technology with precision-engineered insulators to deliver exceptional reliability in the most demanding environments. Trusted in defense, avionics, medical, and commercial applications, our connectors are engineered to maintain superior performance under extreme conditions.

The twist-pin contact structure features multiple fine beryllium copper strands helically wound around a soft copper core, creating a highly flexible pin. Upon insertion, the pin compresses and establishes multiple spiral contact points within the socket, ensuring continuous electrical transmission. This innovative design provides outstanding resistance to mechanical shock, vibration, and environmental stress, guaranteeing stable and uninterrupted connectivity.

At Armsto Connector, precision engineering meets proven materials to create products that combine durability, high performance, and reliability. Whether for mission-critical defense systems, advanced avionics, medical devices, or commercial applications, our connectors are designed to perform when it matters most.



Why Armsto Connector ?



Favorable Price



Fast Lead Time



Modern Production Techniques



Fast Service Network



Ability to Custom Design



Full Automation Coating Facility



State of the Art Mechanical Production Facility



High Stock Raw Material



High Inventory Level

Reliable in Demanding Environments

Armsto Connector combines advanced twist-pin technology with precision-engineered insulators to deliver superior performance in defense, avionics, medical, and commercial applications.

Customized Solutions

We produce connectors tailored to your system requirements, validated through rigorous in-house testing to meet military and industrial standards.

Twist-Pin Technology

Our innovative twist-pin connectors ensure continuous electrical transmission under shocks up to 50G and vibrations up to 20G, thanks to multiple helical contact points.

Micro-D Connectors with Grounding Option

Optional grounding springs on nickel-plated Micro-D connectors reduce voltage drop to just 10 mV, minimizing signal loss under demanding conditions.

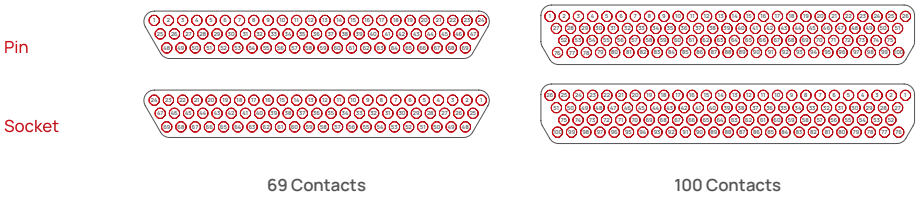
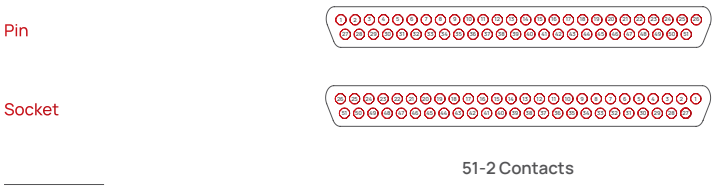
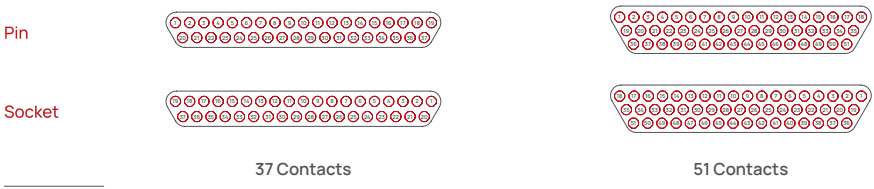
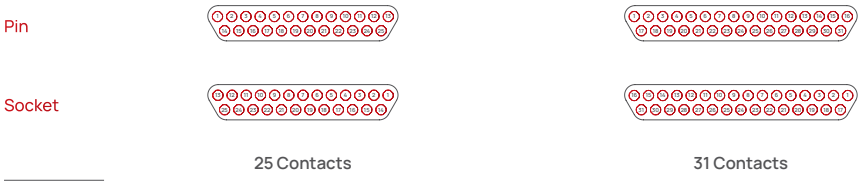
Engineered for Performance

Durable, high-performing, and reliable, Armsto Connector products are built to excel when it matters the most.

Contact Arrangements

Pin (Male)

Socket (Female)



Armsto Micro-D Connector Specifications

Armsto Connector family is MIL-DTL-83513 qualified and 100% compatible with MIL-DTL-83513 series connectors.

Property	Requirement	Test Method
Magnetic Permeability	2.0μ Maximum	EIA-364-54
Dielectric Withstanding Voltage At Sea Level At Altitude	600 VAC	EIA-364-20 Procedure 20
	150 VAC	
Insulation Resistance	5,000 Megohms	EIA-364-31 Procedure 21
Contact Resistance M22759/11-26 M22759/33-26	65 Maximum	MIL-DTL-83513H Amendment 2
	75 Maximum	
Contact Engagement and Separation Forces	Maximum 6.0 ounces Engaging Minimum 0.5 ounces Separation	EIA-364-37
Mating and Unmating Force	10 Ounces of One Contact	EIA-364-13
Temperature Cycling	-55 °C to +125 °C	EIA-364-32
Humidity	DWV 360 V rms 60 Hertz AC	EIA-364-31 Test IV 7a
Vibration	20 G's	EIA-364-28 Test IV
Shock	50 G's	EIA-364-27 Test E
Durability	500 Mating Cycles Minimum	MIL-DTL-83513H Amendment 2
Salt Spray Electroless Nickel Plating Cadmium Plating Chem Film Plating Black Anodize Plating Gold Plating Passivated (Only SS)	48 Hours	EIA-364-26 B
		EIA-364-26 A
		EIA-364-26 B
		EIA-364-26 B
		EIA-364-26 B
		EIA-364-26 D
Low Signal Level Contact Resistance M22759/11-26 M22759/33-26	Maximum 28 Milliohms	EIA-364-23
	Maximum 32 Milliohms	
Fluid Immersion	20 Hours (Synthetic Lubricating Oil) 1 Hour (Coolant 25)	MIL-DTL-83513H Amendment 2
Insert Retention	50 Pounds per Square Inch	EIA-364-35
Solderability		MIL-STD-202 Method 208
Resistance to Soldering Heat	360 °C	EIA-364-56 Procedure 1
Contact Retention	5 Pound	EIA-364-29



MICRO-D HARNESS CONNECTORS



ARMMDSC
Solder Cup
Micro-D Connector Series



ARMMDPW
Pre-Wired
Micro-D Connector Series



ARMMDRPW
Pre-Wired With Right
Angle Exit
Micro-D Connector Series



ARMMDIB
Integral Backshell
Micro-D Connector Series



ARMDEMI
EMI Gold Ground Spring
Micro-D Connector Series



ARMDEMIIB
EMI Gold Ground Spring
Integral Backshell
Micro-D Connector Series





ARMMDBBS
Back to Back Shell
Micro-D Connector Series



ARMMDFMPW
Floating Mount Pre-Wired
Micro-D Connector Series



ARMMDFMSB
Floating Mount
Straight Board
Micro-D Connector Series



ARMMDS
Saver
Micro-D Connector Series



ARMMDBS
Metal Shell Straight Board
Thru-Hole Mount
Micro-D Connector Series



ARMMDBR
Metal Shell Right Angle
Board Thru-Hole Mount
Micro-D Connector Series





MICRO-D PCB CONNECTORS



ARMMDCRBM
Condensed Right Angle
0.100" Board
Micro-D Connector Series



ARMMDRBM
Right Angle 0.100"
Board Mount
Micro-D Connector Series



ARMMDSBM
Straight 0.100" Board Mount
Micro-D Connector Series



ARMMDCSBM
Condensed Straight 0.075"
Board Mount
Micro-D Connector Series



ARMMDHSBM
High Density Straight 0.075"
Board Mount
Micro-D Connector Series



ARMMDHCBS
High Density Compact
Straight 0.075" Board
Micro-D Connector Series



MICRO-D REAR PANEL CONNECTORS



ARMMDHRBM
High Density Right Angle
0.075" Board Mount
Micro-D Connector Series



ARMMDRPS C
Rear Panel Mount
Solder Cup
Micro-D Connector Series



ARMMDRPPW
Pre-Wired Rear Panel Mount
Micro-D Connector Series



ARMMDRPIB
Rear Panel Mount
Integral Backshell
Micro-D Connector Series



ARMMDRPBS
Rear Panel Mount
Straight Board
Micro-D Connector Series



ARMMDRPCSB
Rear Panel Mount Condensed
Straight Type 0.075" Board
Micro-D Connector Series





MICRO-D LOW PROFILE CONNECTORS



ARMMDRPCR

Rear Panel Mount
Condensed Right Angle
Type 0.100" Board
Micro-D Connector Series



ARMMDLPSC

Low Profile Solder Cup
Micro-D Connector Series



ARMMDLPPW

Low Profile Pre-Wired
Micro-D Connector Series



ARMMDLPB

Low Profile Integral Backshell
Micro-D Connector Series



ARMMDLPBS

Low Profile Board
Straight Type
Micro-D Connector Series



ARMMD CSC

Combo Solder Cup
Micro-D Connector Series



MICRO-D COMBO CONNECTORS



ARMMDCPW

Combo Pre-Wired
Micro-D
Connector Series



ARMMDCIB

Combo Pre-Wired with
Integral Backshell
Micro-D
Connector Series



ARMMDCBS

Combo Straight Board
Micro-D
Connector Series



ARMMDCBR

Combo Right
Angle Board
Micro-D
Connector Series



ARMMDCRPSC

Combo Rear Panel
Mount Solder Cup
Micro-D Connector Series



ARMMDCRPPW

Combo Rear Panel
Mount Pre-Wired
Micro-D Connector Series



ARMMDCRPBS

Combo Rear Panel
Mount Straight Board
Micro-D Connector Series





MICRO-D CONNECTOR BACKSHELLS



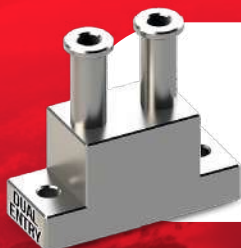
ARMMDBT

Top Entry
Micro-D
Backshell Series



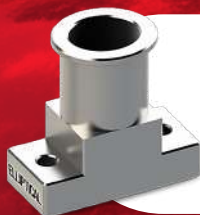
ARMMDBD45

Dual 45°
Micro-D
Backshell Series



ARMMDBD

Dual Entry
Micro-D
Backshell Series



ARMMDBE

Elliptical
Micro-D
Backshell Series



ARMMDB45

45° Entry
Micro-D Backshell Series



ARMMDB90

90° Entry
Micro-D Backshell Series



ARMMDBDP

Potting Shell
Micro-D Backshell Series

Micro-D Backshell Mounting Hardware

FJ



Fillister Head
Jackscrew

MFJ



Male Fillister
Head Jackscrew

HJ



Hex Head
Jackscrew

MHJ



Male Hex
Jackscrew
Extended

EJ



Extended
Jackscrew

MEJ



Male Extended
Jackscrew

JP



Jackpost



D-SUB BACKSHELLS

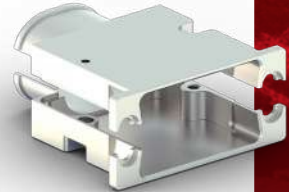


ARMDBF
D-Sub Backshell Front
Cover Cap Series

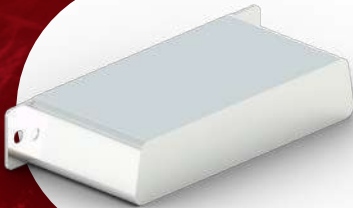


L1: One Piece

ARMDBTE
D-Sub Backshell
Top-Entry Elliptical
Series



L2: Two Piece



ARMDBC
D-Sub Backshell
Closed Series

Micro-D Connector Mounting Hardware

B



Thru-Hole, No
Mounting
Hardware

P



Jackpost

HJ



Hex Head
Jackscrew

HJ1



Hex Head
Jackscrew
Extended

SJ



Slot Head
Jackscrew

SJ1



Slot Head
Jackscrew
Extended

T



Threaded
Insert



ARMSTO

HARNESSES SOLUTIONS

High-Performance and Reliable Harness Solutions for the Aerospace and Defense Industries

- Project-based, fully customized harness solutions
- Innovative solutions to enhance product performance and durability
- High functionality, low weight
- Rapid prototyping and mass production







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"For more technical information, please visit our website."