ARMSTO

HYBRID / POWER SOLUTIONS

www.**armsto**.com.tr

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

The biggest feature that distinguishes Armsto Connector from other manufacturers is the production of customized connectors for the customers systems. Our products demonstrate high performance, as validated by in-house testing conducted in accordance with military and industrial standards. As a matter of fact, the most distinctive feature that sets Armsto Connector apart from other manufacturers is the use of twist-pin type connectors. This state-of-the-art pin structure ensures uninterrupted transmission under 50G shock and 20G vibration.

As a result of R&D on the standard Micro-D product family, Armsto Connectors offers an optional grounding spring across the Micro-D range. A mated pair of nickel-plated Micro-D connectors, fitted with the optional grounding spring on the plug shell mating face, exhibits a maximum voltage drop of 10 mV and minimal signal attenuation when tested according to EIA-364-83 and EIA-364-66.

Armsto Twist Pin Contact Technology

MIL-DTL-83513 Twist Pin

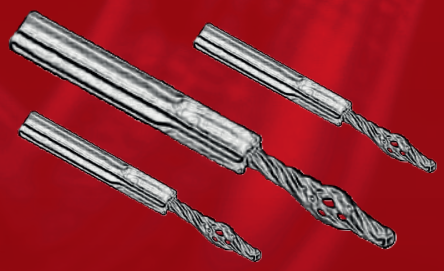
Contact Resistance: ≤10 mΩ

Vibration: 10-2000 Hz, 196 m/s²

Shock: 735 m/s²

Rated Current: 3A

Durability: 500 Times (Minimum)



Armsto Connector combines proven twist-pin technology with custom-designed insulators, delivering reliable performance under the most demanding defense, avionics, medical, and commercial conditions.

Twist pin contact structure consists of seven strands of .005 (0,127 mm) diameter beryllium copper wire helically wound around a core of 3 strands .0035 (0,09) diameter soft copper wire. Flexible twist-pin structure is compressed to create a bulge with a diameter slightly larger than female contact inside diameter. Twist-pin elongates and twists, then it enters the socket. Electrical contact is maintained along 7 spiral lines. This ensures uninterrupted transmission in high mechanical shock and vibration.

COMBO SOLDER CUP

ARMMDCSC

Combo Solder Cup
Micro-D Connector Series

Flexible Panel Integration: Designed to accommodate a variety of wire terminations, providing versatile rear-panel installation options.

Reliable Electrical Connection; Solder cup contacts ensure consistent conductivity and secure attachment for long-term performance.

Durable & Dependable; Metal shell construction and gold-plated contacts deliver robust mechanical retention and reliable operation in aerospace, defense, and industrial application.

ARMMDCSC-

Combo Solder Cup
Micro-D Connector Series

	1.	2.	3.	4.	5.	6.
Series	**Shell Material**	**Insulator Material**	**Shell Finish Type**	**Shell Size**	**Connector Type**	**Hardware Type**
ARMMDCSC	- A	P	1	A1	P	- B

1 I Shell Material

A: Aluminum

SS: Stainless Steel

2 I Insulator Material

P: PPS or LCP

LCP-30% Glass-Filled Liquid Crystal Polymer

PPS-40% Glass-Filled Polyphenylene Sulfide

3 I Shell Finish Type

1: Electroless Nickel

2: Cadmium

3: Chem Film

4: Gold

5: Black Anodize

6: Silver

7: Passivated
(Only Stainless Steel)

4 I Shell Size

A1, B1, B2, C1, C2, D1, D2, D3, E1

5 I Connector Type

P: Plug

R: Receptacle

6 I Hardware Type

B: Thru-Hole • **P:** Jackpost • **HJ:** Hex Head Jackscrew

HJ1: Hex Head Jackscrew Extended

SJ: Slot Head Jackscrew

SJ1: Slot Head Jackscrew Extended

T: Threaded Insert

COMBO PRE-WIRED

ARMMDCPW

Combo Pre-Wired
Micro-D Connector Series

Quick Installation; Pre-attached wires enable fast and hassle-free rear-panel mounting, reducing assembly time.

Pre-wired terminations ensure consistent conductivity and long-term stability.

Gold-plated contacts and robust construction provide dependable operation in aerospace, defense, and industrial applications.

ARMMDCPW-

Combo Pre-Wired Micro-D Connector Series

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Series	Shell Material	Insulator Material	Shell Finish Type	Shell Size	Wire Gage for Signal Contacts	Wire Gage for Power Contacts	Wire Standard	Colour Code	Wire Length	Connector Type	Hardware Type
ARMMDCPW	- A	P	1	A1	4	16	K	1	18	P	- B

1 | Shell Material

A: Aluminum **SS:** Stainless Steel

2 | Insulator Material

P: PPS or LCP

LCP-30% Glass-Filled Liquid Crystal Polymer

PPS-40% Glass-Filled Polyphenylene Sulfide

3 | Shell Finish Type

1: Electroless Nickel
2: Cadmium
3: Chem Film
4: Gold
5: Black Anodize
6: Silver
7: Passivated (Only Stainless Steel)

4 | Shell Size

A1, B1, B2, C1, C2, D1, D2, D3, E1

5 | Wire Gage for Signal Contacts

4: 24 **6:** 26 **8:** 28 **0:** 30

Omit for Only Power Contact

6 | Wire Gage for Power Contacts

16, 18, 20

7 | Wire Standard

K: M22759/11 **E:** NEMA HP3 (M16878/4)

L: M22759/33

8 | Colour Code

1: 10 Colour Repeat

2: Color coded per MIL-STD-681, system

3: All White **4:** All Yellow

9 | Wire Length

18: 18 inches **36:** 36 inches

24: 24 inches **X:** Non Standard Length

10 | Connector Type

P: Plug **R:** Receptacle

11 | Hardware Type

B: Thru-Hole • **P:** Jackpost • **HJ:** Hex Head Jackscrew

HJ1: Hex Head Jackscrew Extended

SJ: Slot Head Jackscrew

SJ1: Slot Head Jackscrew Extended

T: Threaded Insert

"Reference part number for **72"** non-standard wire length configuration." • **ARMMDCPW-AP1A1416K1XP-B-72**

B	P	HJ	HJ1	SJ	SJ1	T
Thru-Hole, No Mounting Hardware	Jackpost	Hex Head Jackscrew	Hex Head Jackscrew Extended	Slot Head Jackscrew	Slot Head Jackscrew Extended	Threaded Insert

COMBO PRE-WIRED WITH INTEGRAL BACKSHELL

ARMMDCIB

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

Quick Installation; Pre-attached wires enable fast and hassle-free rear-panel mounting, reducing assembly time.

Pre-wired terminations ensure consistent conductivity and long-term stability.

Gold-plated contacts and robust construction provide dependable operation in aerospace, defense, and industrial applications.

ARMMDCIB-

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

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Series	Shell Material	Insulator Material	Shell Finish Type	Shell Size	Wire Gage for Signal Contacts	Wire Gage for Power Contacts	Wire Standard	Colour Code	Wire Length	Connector Type	Hardware Type
ARMMDCIB	- A	P	1	A1	4	16	K	1	18	P	- B

1 I Shell Material

A: Aluminum
SS: Stainless Steel

2 I Insulator Material

P: PPS or LCP

LCP-30% Glass-Filled Liquid Crystal Polymer

PPS-40% Glass-Filled Polyphenylene Sulfide

3 I Shell Finish Type

1: Electroless Nickel
2: Cadmium
3: Chem Film
4: Gold
5: Black Anodize
6: Silver
7: Passivated (Only Stainless Steel)

4 I Shell Size

A1, B1, B2, C1, C2, D1, D2, D3, E1

5 I Wire Gage for Signal Contacts

4: 24 **6:** 26 **8:** 28 **0:** 30

Omit for Only Power Contact

6 I Wire Gage for Power Contacts

16, 18, 20

7 I Wire Standard

K: M22759/11
E: NEMA HP3 (M16878/4)
L: M22759/33

8 I Colour Code

1: 10 Colour Repeat
2: Color coded per MIL-STD-681, system
3: All White
4: All Yellow

9 I Wire Length

18: 18 inches
24: 24 inches
36: 36 inches
X: Non Standard Length

10 I Connector Type

P: Plug
R: Receptacle

11 I Hardware Type

B: Thru-Hole • **P:** Jackpost • **HJ:** Hex Head Jackscrew
HJ1: Hex Head Jackscrew Extended
SJ: Slot Head Jackscrew
SJ1: Slot Head Jackscrew Extended
T: Threaded Insert

"Reference part number for **72"** non-standard wire length configuration." • **ARMMDCIB-AP1A1416K1XP-B-72**

COMBO STRAIGHT BOARD

ARMMDCBS

Combo Straight Board
Micro-D Connector Series

Straight design ensures reliable board mounting and stable solder joints.

Consistent Electrical Performance; High-quality contacts provide low resistance and dependable signal integrity.

Metal shell and gold-plated contacts deliver long-term mechanical and electrical performance in aerospace, defense, and industrial applications.

ARMMDCBS-

Combo Straight Board
Micro-D Connector Series

	1.	2.	3.	4.	5.	6.	7.	8.
Series	**Shell Material**	**Insulator Material**	**Shell Finish Type**	**Shell Size**	**Conductor Plating**	**Tail Length**	**Connector Type**	**Hardware Type**
ARMMDCBS	- A	P	1	A1	G	1	P	- B

1 | Shell Material

A: Aluminum

SS: Stainless Steel

2 | Insulator Material

P: PPS or LCP

LCP-30% Glass-Filled Liquid Crystal Polymer

PPS-40% Glass-Filled Polyphenylene Sulfide

3 | Shell Finish Type

1: Electroless Nickel

2: Cadmium

3: Chem Film

4: Gold

5: Black Anodize

6: Silver

7: Passivated (Only Stainless Steel)

4 | Shell Size

A1, B1, B2, C1, C2, D1, D2, D3, E1

5 | Conductor Plating

G: Gold Plated Solid Conductor

T: Tin Plated Solid Conductor

D: Flash Gold Plated Solid Conductor

N: Nickel Plated Solid Conductor

6 | Tail Length

1: 0.110" (2.79 mm)

2: 0.140" (3.56 mm)

3: 0.190" (4.83 mm)

X: Non Standard

7 | Connector Type

P: Plug

R: Receptacle

8 | Hardware Type

B: Thru-Hole • **P:** Jackpost • **HJ:** Hex Head Jackscrew

HJ1: Hex Head Jackscrew Extended

SJ: Slot Head Jackscrew

SJ1: Slot Head Jackscrew Extended

T: Threaded Insert

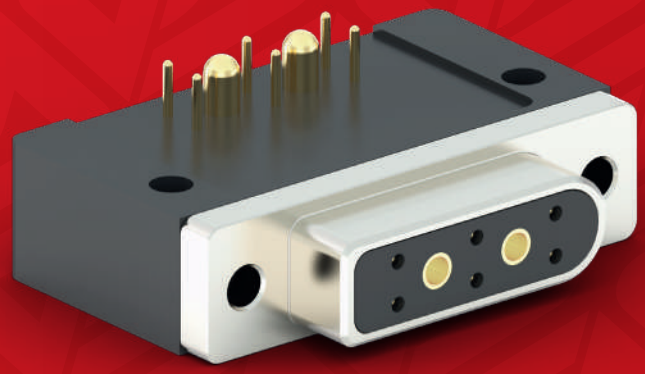
"Reference part number for **.172"** non-standard tail length configuration." • **ARMMDCBS-AP1A1GXP-B-.172**

B	P	HJ	HJ1	SJ	SJ1	T
Thru-Hole, No Mounting Hardware	Jackpost	Hex Head Jackscrew	Hex Head Jackscrew Extended	Slot Head Jackscrew	Slot Head Jackscrew Extended	Threaded Insert

COMBO RIGHT ANGLE BOARD

ARMMDCBR

Combo Right Angle Board
Micro-D Connector Series



Right-angle combo layout optimizes board space and cable routing.

Supports combined signal and power in a single interconnect solution.

Reliable PCB termination designed for aerospace and industrial electronics.

ARMMDCBR-

Combo Right Angle Board Micro-D Connector Series

	1.	2.	3.	4.	5.	6.	7.	8.
Series	Shell Material	Insulator Material	Shell Finish Type	Shell Size	Conductor Plating	Tail Length	Connector Type	Hardware Type
ARMMDCBR	- A	P	1	A1	G	1	P	- B

1 | Shell Material

A: Aluminum

SS: Stainless Steel

2 | Insulator Material

P: PPS or LCP

LCP-30% Glass-Filled Liquid Crystal Polymer

PPS-40% Glass-Filled Polyphenylene Sulfide

3 | Shell Finish Type

1: Electroless Nickel

2: Cadmium

3: Chem Film

4: Gold

5: Black Anodize

6: Silver

7: Passivated (Only Stainless Steel)

8: Zinc Nickel

4 | Shell Size

A1, B1, B2, C1, C2, D1, D2, D3, E1

5 | Conductor Plating

G: Gold Plated Solid Conductor

T: Tin Plated Solid Conductor

D: Flash Gold Plated Solid Conductor

N: Nickel Plated Solid Conductor

6 | Tail Length

1: 0.110" (2.79 mm)

2: 0.140" (3.56 mm)

3: 0.190" (4.83 mm)

X: Non Standard

7 | Connector Type

P: Plug

R: Receptacle

8 | Hardware Type

B: Thru-Hole • **P:** Jackpost • **HJ:** Hex Head Jackscrew

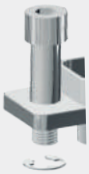
HJ1: Hex Head Jackscrew Extended

SJ: Slot Head Jackscrew

SJ1: Slot Head Jackscrew Extended

T: Threaded Insert

"Reference part number for **.172"** non-standard tail length configuration." • **ARMMDCBR-AP1A1GXP-B-.172**

B	P	HJ	HJ1	SJ	SJ1	T
						
Thru-Hole, No Mounting Hardware	Jackpost	Hex Head Jackscrew	Hex Head Jackscrew Extended	Slot Head Jackscrew	Slot Head Jackscrew Extended	Threaded Insert

COMBO REAR PANEL MOUNT SOLDER CUP

ARMMDCRPSC

Combo Rear Panel Mount Solder Cup
Micro-D Connector Series

Designed for rear-panel mounting, providing a clean front-panel appearance and reliable mechanical retention.

Solder cup contacts allow easy wire termination with excellent conductivity and long-term stability.

Metal shell construction and gold-plated contacts ensure durability, low contact resistance, and consistent performance in aerospace, defense, and industrial applications.

ARMMDCRPSC-

Combo Rear Panel Mount Solder Cup Micro-D Connector Series

	1.	2.	3.	4.	5.	6.	7.	8.	9.
Series	Shell Material	Insulator Material	Shell Finish Type	Shell Size	Conductor Plating	Tail Length	Connector Type	Hardware Type	Option
ARMMDCRPSC	- A	P	1	A1	G	1	P	- SH1	C

1 | Shell Material

A: Aluminum

SS: Stainless Steel

2 | Insulator Material

P: PPS or LCP

LCP-30% Glass-Filled Liquid Crystal Polymer

PPS-40% Glass-Filled Polyphenylene Sulfide

3 | Shell Finish Type

1: Electroless Nickel

2: Cadmium

3: Chem Film

4: Gold

5: Black Anodize

6: Silver

7: Passivated (Only Stainless Steel)

4 | Shell Size

A1, B1, B2, C1, C2, D1, D2, D3, E1

5 | Conductor Plating

G: Gold Plated Solid Conductor

T: Tin Plated Solid Conductor

D: Flash Gold Plated Solid Conductor

N: Nickel Plated Solid Conductor

6 | Tail Length

1: 0.110" (2.79 mm)

2: 0.140" (3.56 mm)

3: 0.190" (4.83 mm)

X: Non Standard

7 | Connector Type

P: Plug

R: Receptacle

8 | Hardware Type

Jackpost for Rear Panel Thickness Option

SH1: 0.8 mm (.031")

SH2: 1.2 mm (.047")

SH3: 1.6 mm (.062")

SH4: 2 mm (.080")

SH5: 2.4 mm (.094")

SH6: 3.2 mm (.125")

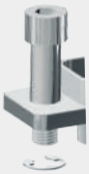
Omit for none

9 | Option

C: Conductive O-Ring

O: O-Ring

"Reference part number for **.172"** non-standard tail length configuration." • **ARMMDCRPSC-AP1A1GXP-SH1C-.172**

B	P	HJ	HJ1	SJ	SJ1	T
						
Thru-Hole, No Mounting Hardware	Jackpost	Hex Head Jackscrew	Hex Head Jackscrew Extended	Slot Head Jackscrew	Slot Head Jackscrew Extended	Threaded Insert

COMBO REAR PANEL MOUNT PRE-WIRED

ARMMDCRPPW

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

Pre-attached wires enable fast rear-panel mounting, reducing assembly time and simplifying installation.

Pre-wired terminations ensure consistent conductivity and long-term performance.

Gold-plated contacts and robust construction provide stability and reliable operation in aerospace, defense, and industrial applications.

ARMMDCRPPW-

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

	1.	2.	3.	4.	5.	6.	7.	8.	9.
Series	**Shell Material**	**Insulator Material**	**Shell Finish Type**	**Shell Size**	**Conductor Plating**	**Tail Length**	**Connector Type**	**Hardware Type**	**Option**
ARMMDCRPPW	- A	P	1	A1	G	1	P	- SH1	C

1 | Shell Material

A: Aluminum

SS: Stainless Steel

2 | Insulator Material

P: PPS or LCP

LCP-30% Glass-Filled Liquid Crystal Polymer

PPS-40% Glass-Filled Polyphenylene Sulfide

3 | Shell Finish Type

1: Electroless Nickel

2: Cadmium

3: Chem Film

4: Gold

5: Black Anodize

6: Silver

7: Passivated (Only Stainless Steel)

4 | Shell Size

A1, B1, B2, C1, C2, D1, D2, D3, E1

5 | Conductor Plating

G: Gold Plated Solid Conductor

T: Tin Plated Solid Conductor

D: Flash Gold Plated Solid Conductor

N: Nickel Plated Solid Conductor

6 | Tail Length

1: 0.110" (2.79 mm)

2: 0.140" (3.56 mm)

3: 0.190" (4.83 mm)

X: Non Standard

7 | Connector Type

P: Plug

R: Receptacle

8 | Hardware Type

Jackpost for Rear Panel Thickness Option

SH1: 0.8 mm (.031")

SH2: 1.2 mm (.047")

SH3: 1.6 mm (.062")

SH4: 2 mm (.080")

SH5: 2.4 mm (.094")

SH6: 3.2 mm (.125")

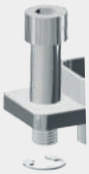
Omit for none

9 | Option

C: Conductive O-Ring

O: O-Ring

"Reference part number for **.172"** non-standard tail length configuration." • **ARMMDCRPPW-AP1A1GXP-SH1C-.172**

B	P	HJ	HJ1	SJ	SJ1	T
						
Thru-Hole, No Mounting Hardware	Jackpost	Hex Head Jackscrew	Hex Head Jackscrew Extended	Slot Head Jackscrew	Slot Head Jackscrew Extended	Threaded Insert

COMBO REAR PANEL MOUNT STRAIGHT BOARD

ARMMDCRPBS

Combo Rear Panel Mount Straight Board
Micro-D Connector Series

Secure Panel Integration; Designed for rear-panel mounting, providing a clean front-panel appearance and reliable mechanical retention.

Straight board design ensures secure and stable soldering to the PCB for consistent electrical performance.

Metal shell construction and gold-plated contacts guarantee long-term durability and dependable operation in aerospace, defense, and industrial applications.

ARMMDCRPBS-

Combo Rear Panel Mount Straight Board Micro-D Connector Series

	1.	2.	3.	4.	5.	6.	7.	8.	9.
Series	Shell Material	Insulator Material	Shell Finish Type	Shell Size	Conductor Plating	Tail Length	Connector Type	Hardware Type	Option
ARMMDCRPBS	- A	P	1	A1	G	1	P	- SH1	C

1 I Shell Material

A: Aluminum

SS: Stainless Steel

2 I Insulator Material

P: PPS or LCP

LCP-30% Glass-Filled Liquid Crystal Polymer

PPS-40% Glass-Filled Polyphenylene Sulfide

3 I Shell Finish Type

1: Electroless Nickel

2: Cadmium

3: Chem Film

4: Gold

5: Black Anodize

6: Silver

7: Passivated (Only Stainless Steel)

4 I Shell Size

A1, B1, B2, C1, C2, D1, D2, D3, E1

5 I Conductor Plating

G: Gold Plated Solid Conductor

T: Tin Plated Solid Conductor

D: Flash Gold Plated Solid Conductor

N: Nickel Plated Solid Conductor

6 I Tail Length

1: 0.110" (2.79 mm)

2: 0.140" (3.56 mm)

3: 0.190" (4.83 mm)

X: Non Standard

7 I Connector Type

P: Plug

R: Receptacle

8 I Hardware Type

Jackpost for Rear Panel Thickness Option

SH1: 0.8 mm (.031")

SH2: 1.2 mm (.047")

SH3: 1.6 mm (.062")

SH4: 2 mm (.080")

SH5: 2.4 mm (.094")

SH6: 3.2 mm (.125")

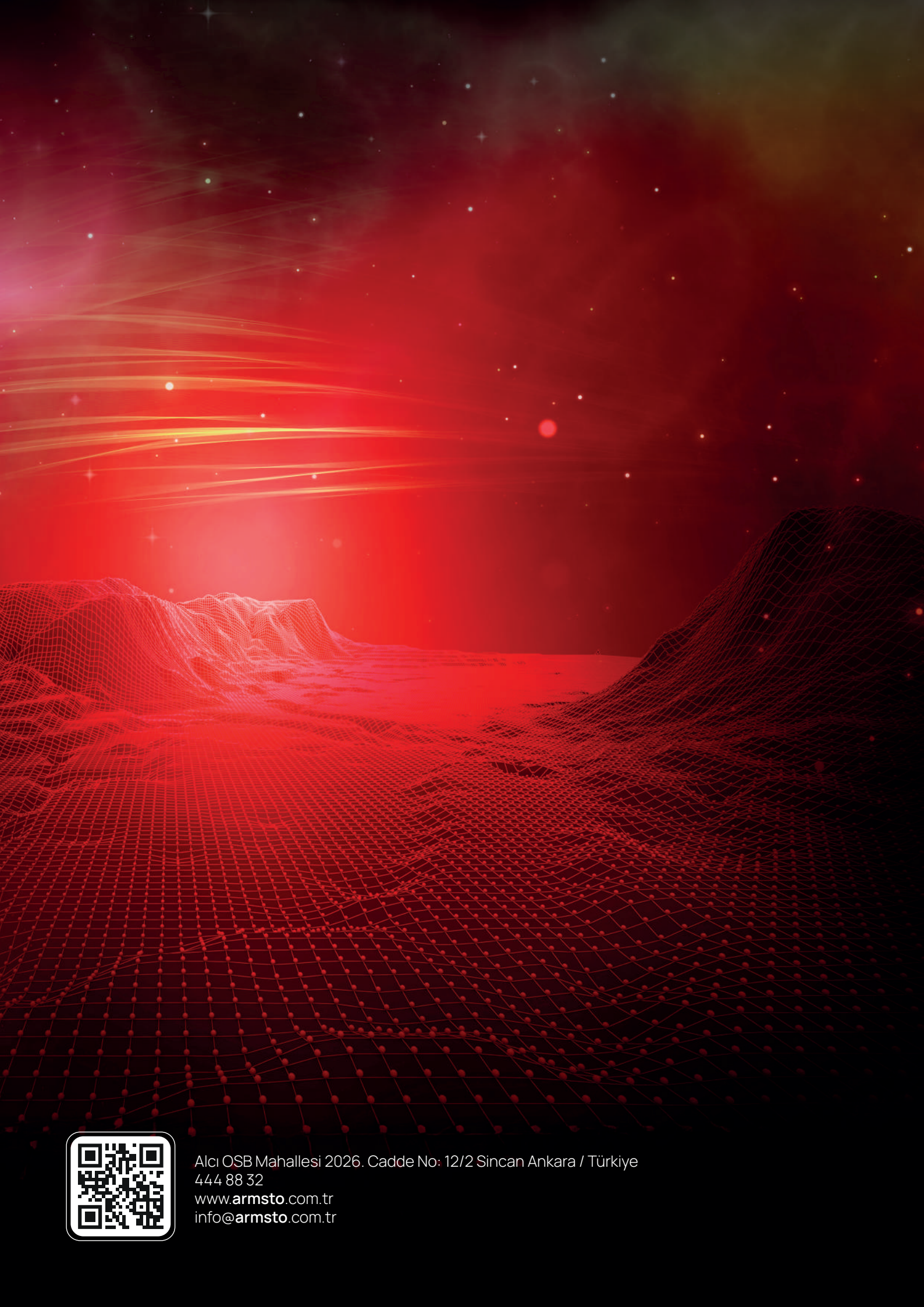
Omit for none

9 I Option

C: Conductive O-Ring

O: O-Ring

"Reference part number for .**172"** non-standard tail length configuration." • ARMMDCRPBS-AP1A1GX-SH1C-.172



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