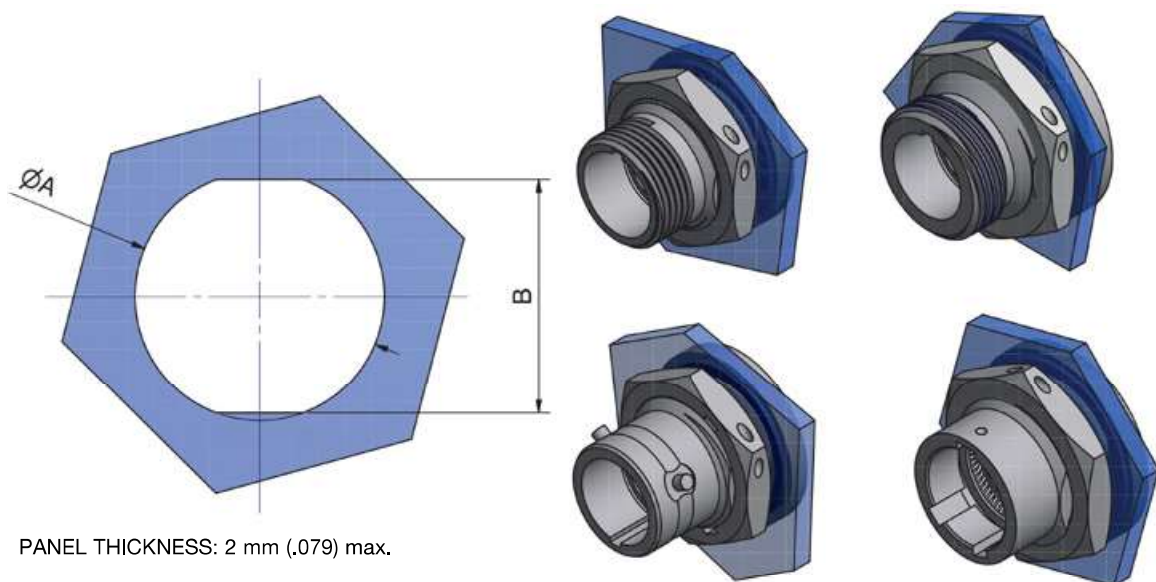




## PANEL CUT-OUTS FOR REAR MOUNT JAM NUT RECEPTACLES



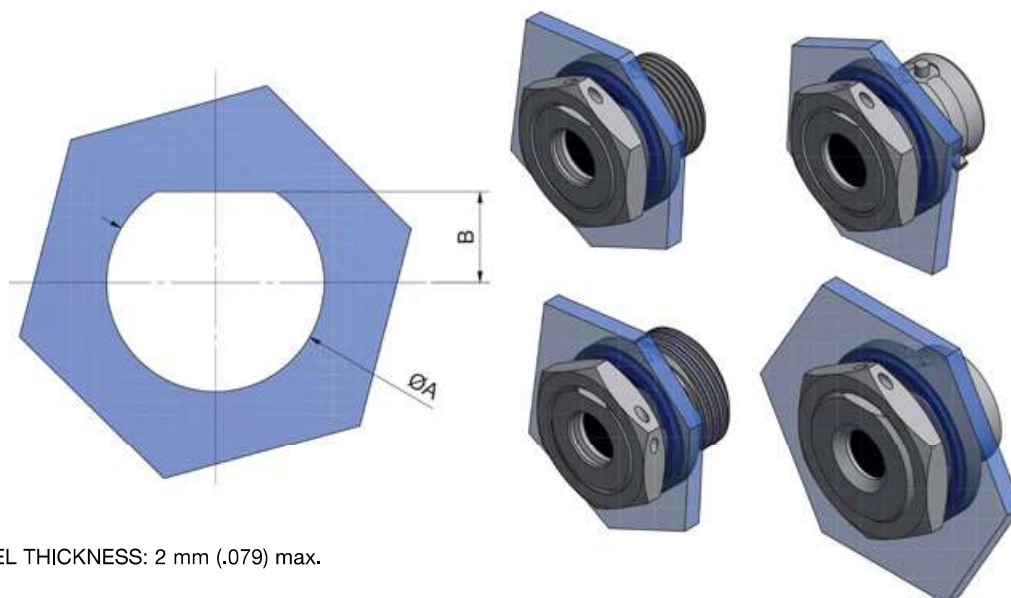
### ► TABLE OF DIMENSIONS - millimetres (inches)

NUMBERS OF WAYS	CONNECTOR TYPE	A +0.3/-0 (+0.012/-0)	B +0.3/-0 (+0.012/-0)	NUT THREAD	RECOMMENDED TORQUE
5 OR 7	METRIC THREAD	12.2 (.48)	11.2 (.441)	M12x1	1.5 Nm
	THREE LUG BAYONET	12.2 (.48)	11.2 (.441)	M12x1 + NOTCH*	1.5 Nm
	TRIPLE START	13.2 (.62)	12.2 (.48)	M13x1	1.5 Nm
	BREAKAWAY	15.2 (.598)	13.2 (.62)	M14x0.75	1.5 Nm
12 OR 15	METRIC THREAD	13.2 (.62)	12.2 (.48)	M13x1	1.5 Nm
	THREE LUG BAYONET	13.2 (.52)	12.2 (.48)	M13x1 + NOTCH*	1.5 Nm
	TRIPLE START	15.2 (.598)	14.2 (.559)	M15x1	1.5 Nm
	BREAKAWAY	15.2 (.598)	13.2 (.62)	M14x0.75	1.5 Nm
19	METRIC THREAD	16.2 (.638)	15.2 (.598)	M16x1	2 Nm
	THREE LUG BAYONET	16.2 (.638)	15.2 (.598)	M16x1 + NOTCH*	2 Nm
	TRIPLE START	17.2 (.677)	16.2 (.638)	M17x1	2 Nm
	BREAKAWAY	18.2 (.717)	16.2 (.638)	M18x1	2 Nm
37	METRIC THREAD	19.2 (.756)	18.2 (.717)	M19x1	2 Nm
	THREE LUG BAYONET	19.2 (.756)	18.2 (.717)	M19x1 + NOTCH*	2 Nm
	TRIPLE START	20.2 (.795)	19.2 (.756)	M20x1	2 Nm
	BREAKAWAY	20.2 (.795)	19.2 (.756)	M20x1	2 Nm

\*: We recommend front mount for Three Lug Bayonet, please contact us for specific rear mount cut-outs.



## PANEL CUT-OUTS FOR FRONT MOUNT JAM NUT RECEPTACLES



PANEL THICKNESS: 2 mm (.079) max.

### ► TABLE OF DIMENSIONS - millimetres (inches)

NUMBERS OF WAYS	CONNECTOR TYPE	A +0.3/-0 (+0.012/-0)	B +0.3/-0 (+0.012/-s0)	NUT THREAD	RECOMMENDED TORQUE
5 OR 7	METRIC THREAD	9.2 (.362)	3.6 (.142)	M9x0.75	1 Nm
	THREE LUG BAYONET	9.2 (.362)	3.6 (.142)	M9x0.75	1 Nm
	TRIPLE START	9.2 (.362)	3.6 (.142)	M9x0.75	1 Nm
	BREAKAWAY	13.2 (.52)	5.6 (.22)	M13x1	1.5 Nm
12 OR 15	METRIC THREAD	12.2 (.48)	5.1 (.201)	M9x0.75	1 Nm
	THREE LUG BAYONET	12.2 (.48)	5.1 (.201)	M9x0.75	1 Nm
	TRIPLE START	12.2 (.48)	5.1 (.201)	M9x0.75	1 Nm
	BREAKAWAY	15.2 (.598)	6.6 (.26)	M15x1	1.5 Nm
19	METRIC THREAD	13.2 (.52)	5.85 (.201)	M12x1	1.5 Nm
	THREE LUG BAYONET	13.2 (.52)	5.85 (.201)	M12x1	1.5 Nm
	TRIPLE START	13.2 (.52)	5.85 (.201)	M12x1	1.5 Nm
	BREAKAWAY	17.2 (.677)	7.1 (.28)	M17x1	2 Nm
37	METRIC THREAD	16.2 (.64)	7.35 (.289)	M15x1	1.5 Nm
	THREE LUG BAYONET	16.2 (.64)	7.35 (.289)	M15x1	1.5 Nm
	TRIPLE START	16.2 (.64)	7.35 (.289)	M15x1	1.5 Nm
	BREAKAWAY	19.2 (.756)	8.6 (.339)	M19x1	2 Nm

GENERAL  
INFORMATION

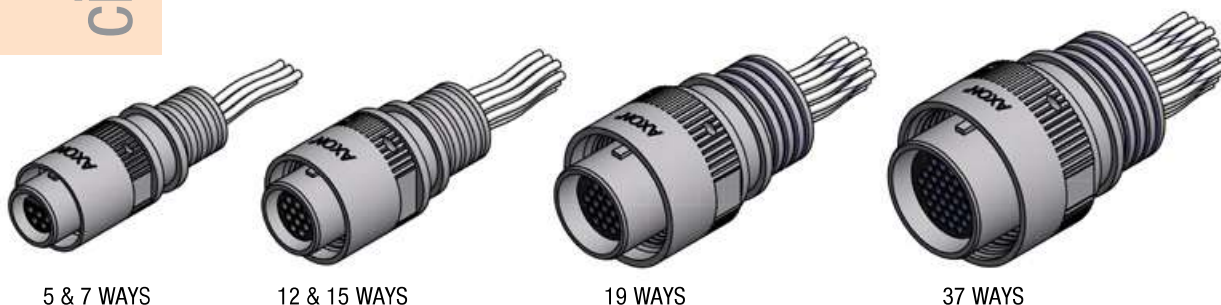
Circular  
Micro-D connectors



## METRIC THREAD CONNECTOR RANGE - MCAT

The Metric Thread connector range is suited to systems where miniaturization, weight and EMI performances are paramount.

### IN-LINE MALE PLUGS



5 & 7 WAYS

12 & 15 WAYS

19 WAYS

37 WAYS

### IN-LINE FEMALE PLUGS



5 & 7 WAYS

12 & 15 WAYS

19 WAYS

37 WAYS

### PANEL MOUNT JAM NUT & SQUARE FLANGE RECEPTACLES

Rear mount

AVAILABLE IN ALL SIZES

Front mount



SQUARE FLANGE

JAM NUT

SQUARE FLANGE

JAM NUT



# IDENTIFICATION CODE

**MCA**

**T**

**V**

**07**

**-**

**06**

**P**

**4**

**L**

**050**

**A**

**02**

## SERIES

**MCA:** Micro-D Circular AXON'.

## COUPLING SYSTEM

**T:** Metric thread.

## MATERIAL & FINISH TYPE

**V:** Nickel plated brass + epoxy resin 150°C.

**W:** Nickel plated brass + epoxy resin 200°C.

## NUMBER OF CONTACTS 05, 07, 12, 15, 19, 37.

See pages 342 & 343 for contact arrangements.

## CONNECTOR TYPE

**00:** Rear panel mount square flange receptacle (female only).

**01:** Front panel mount square flange receptacle (female only).

**06:** In-line plug (male or female).

**07:** Rear panel mount jam nut receptacle (female only).

**08:** Front panel mount jam nut receptacle (female only).

## CONNECTOR GENDER

**P:** Male connector (pin contacts).

**S:** Female connector (socket contacts).

## WIRE TYPE

**1:** E2607, AWG 26, 7 strands, 600 V.

**4:** E2619, AWG 26, 19 strands, 600 V.

**6:** E2807, AWG 28, 7 strands, 600 V.

**8:** E3007, AWG 30, 7 strands, 600 V.

**E:** M22759/33, AWG 26, 19 strands, 600 V.

**Specific wires on request.**

**Uninsulated wires (for panel mount only)**

For colour code V

**3:** M22759/11, AWG 26, 19 strands, 600 V.

**F:** E2607, AWG 26, 7 strands, 600 V.

**G:** AWG 25 Gold plated.

**T:** AWG 24 Tin plated.

See page 345 for wire types.

## COLOUR CODE

**L:** All white.

**F:** All yellow.

**BLANK:** If wire type is **G** or **T**.

**W:** 10 colour repeated code.

**V:** MIL-STD-681 striped (only for wire types 3 and F).

See pages 346 & 347 for colour code.

## WIRE LENGTH (in cm)

Caution! Wire length in centimetres - (1 cm = 10 mm = 0,394").

L	5 ≤ L ≤ 10	10 < L ≤ 100	L > 100
in cm (inches)	1.97 ≤ L ≤ 3.940	3.940 < L ≤ 39.40	L > 39.40
TOLERANCE	-0 / +0,5	-0 / +3	-0 / +5
in cm (inches)	-0 / +0.200	-0 / +1.180	-0 / +1.970

## MASTER KEY POSITION

**A:** 0°.

**B:** 90°.

**C:** 180°.

**D:** 270°.

See page 364 for master key positions.

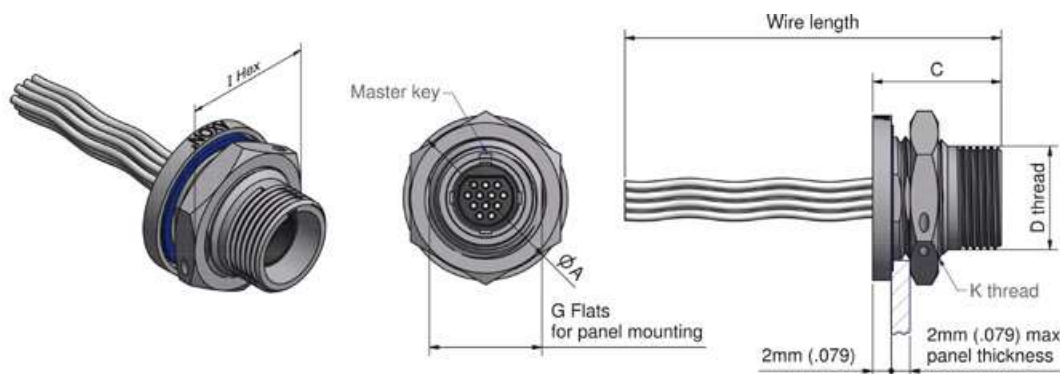
## REAR FUNNEL (for In-line plugs only)

**01:** for heat-shrinkable boots only.

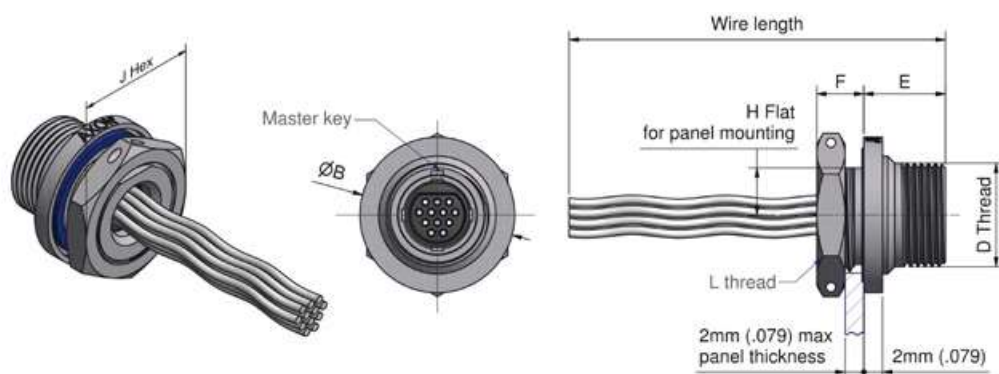
**02:** for 360° screen termination and heat-shrinkable boots.



## METRIC THREAD PANEL MOUNT JAM NUT FEMALE RECEPTACLES



**Rear mount jam nut female**  
**MCATxxx-07Sxxxxxx**



**Front mount jam nut female**  
**MCATxxx-08Sxxxxxx**

PIGTAIL  
CONNECTORS

### ► TABLE OF DIMENSIONS - millimetres (inches)

NUMBER OF WAYS	Ø A (MAX)	Ø B (MAX)	C (MAX)	D THREAD	E (MAX)	F (MAX)	G BSC	H BSC	I HEX	J HEX	K THREAD	L THREAD
5 OR 7	16.6 (.654)	14.1 (.555)	13.8 (.543)	M9x0.5	8.8 (.346)	5.1 (.201)	11 (.433)	3.5 (.138)	15 (.591)	12 (.472)	M12x1	M9x0.75
12 OR 15	17.6 (.693)	16.6 (.654)	13.8 (.543)	M11x0.75	9.1 (.358)	5.1 (.201)	12 (.472)	5 (.197)	16 (.63)	15 (.591)	M13x1	M12x1
19	21.3 (.839)	17.6 (.693)	14.8 (.583)	M14x0.75	10.6 (.417)	5.6 (.22)	15 (.591)	5.75 (.226)	19 (.748)	16 (.63)	M16x1	M13x1
37	24.1 (.949)	21.3 (.839)	14.8 (.583)	M17x1	10.6 (.417)	5.6 (.22)	18 (.709)	7.25 (.285)	22 (.866)	19 (.75)	M19x1	M16x1

Circular  
Micro-D connectors



## METRIC THREAD

### ► MASTER KEY POSITIONS (5, 7, 12, 19 & 37 way connectors)

KEY CODE	A	B	C	D
ORIENTATION	0°	90°	180°	270°
<b>MALE KEYING</b> (for in-line male plugs)				
<b>FEMALE KEYING</b> (for in-line female plugs & panel mount receptacles)				

### ► MASTER KEY POSITIONS (15 way connectors)

KEY CODE	A	B	C	D
ORIENTATION	0°	90°	180°	270°
<b>MALE KEYING</b> (for in-line male plugs)				
<b>FEMALE KEYING</b> (for in-line female plugs & panel mount receptacles)				





## METRIC THREAD

### ► TABLE OF WEIGHTS (estimated) - grams (ounces)

METRIC THREAD (with insert)	IN-LINE MALE PLUG		IN-LINE FEMALE PLUG		PANEL MOUNT SQUARE FLANGE FEMALE RECEPTACLE		PANEL MOUNT JAM NUT FEMALE RECEPTACLE	
	SHORT FUNNEL	SCREEN TERMINATION FUNNEL	SHORT FUNNEL	SCREEN TERMINATION FUNNEL	REAR MOUNT	FRONT MOUNT	REAR MOUNT	FRONT MOUNT
5 OR 7	6.3 (.23)	6.8 (.24)	6.8 (.24)	7.7 (.27)	6.3 (.22)	6.3 (.22)	10.6 (.37)	6.5 (.23)
12 OR 15	9.3 (.33)	10 (.35)	10.7 (.38)	11.5 (.4)	8.7 (.31)	6.6 (.23)	12 (.42)	6.9 (.24)
19	13.2 (0.47)	15.5 (.55)	16.3 (.57)	18.9 (.67)	15 (.53)	10.7 (.38)	18.1 (.64)	12.6 (.45)
37	19 (.67)	21.6 (.76)	19.2 (.68)	22.8 (.8)	16.3 (.58)	14.6 (.52)	22.7 (.8)	16.9 (.6)

MAXIMUM WEIGHT OF THE CONNECTOR WITHOUT WIRES  
FOR WIRE WEIGHTS SEE PAGE 345

### ► TORQUE

NUMBER OF CONTACTS	RECOMMENDED TORQUE
5	1.5 Nm
7	1.5 Nm
12	2 Nm
15	2 Nm
19	2 Nm
37	2 Nm

PIGTAIL  
CONNECTORS

Circular  
Micro-D connectors