This browser does not have Java enabled.

TE connectivity

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Have a Question?
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What can we help you find?

Products   Industries   Resources   About TE   My Account   Innovation   Support Center

1838891-2 Product Details

Share   Print   Email

1838891-2

TE Internal Number: 1838891-2

✓ Active

📄 View 3D PDF

M8/M12 Connector System

🍃 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:
- Connector
- Receptacle
- Not Field Serviceable
- 4 Positions
- Connector Color = Black

View all Features

Add to My Part List   Request Sample   Find Similar Products   Buy Product

Quick Links
- ▶ Pricing & Availability
- ▶ Search for Tooling
- ▶ Product Feature Selector
- ▶ Contact Us About This Product

Documentation & Additional Information

Product Drawings:
- M12 METAL FEMALE PANEL MOUNT CONNECTOR, SOLDER, STRA... (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version C)
- 3D Model (IGES, Version C)
- 3D Model (STEP, Version C)

Additional Information:
- Product Line Information

Related Products:
- Tooling

List all Documents

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Product Type = Connector
- Connector Type = Receptacle
- Thread Size = M12
- LED = Without

Mechanical Attachment:
- Mount = Panel

Body Features:
- Connector Color = Black
- Mount Style = Rear Mount

Configuration Features:
- Number of Positions = 4

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Conditions for Usage:
- Field Serviceable = No

Operation/Application:
- Application = Sensors

Packaging Features:
- Packaging Quantity = 50

Other:
- Brand = TE Connectivity

NOTES:

1. ELECTRICAL DATA:
   - CONTACT RESISTANCE: 10 mOhm MAX
   - INSULATION RESISTANCE: 100 MOhm MIN at 500VDC
   - CURRENT RATING: 5 AMPS (FOR 3, 4 AND 5 POSITIONS) AND 2 AMPS (FOR 8 POSITION ONLY)
   - BREAKDOWN VOLTAGE: 500 VAC MIN PER MINUTE

2. ENVIRONMENTAL:
   - OPERATING TEMPERATURE: −25°C TO +90°C
   - SEALING REQUIREMENTS: IP67

3. PROD SPEC: 108−3641

4. PACKAGING: 107−3334

5. FOR TECHNICAL DATA REFER TO YOUR LOCAL TE CONNECTIVITY SALES OFFICE.

6. ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED.

REVISIONS

LOC	DIST								
E	B	P	LTR	DESCRIPTION		DATE	DWN	APVD	
		C1		REVISED PER ECO−11−005150		21MAR11	RK	HMR	

ITEM	DESCRIPTION	MATERIAL	FINISH/COLOUR	QUANTITY / ITEM			
				−1	−2	−3	−4
1	CONNECTOR HOUSING	GF NYLON	BLACK	1	1	1	1
2	SOCKET CONTACT	BRASS	0.15μm GOLD OVER NICKEL	3	4	5	8
3	CONNECTOR BODY	ZINC DIE CAST	2.5μm NICKEL PLATED	1	1	1	1
4	'O' RING	VITON	GREEN	1	1	1	1
5	'O' RING	EPDM	BLACK	1	1	1	1
6	SCREW NUT	ZINC DIE CAST	2.5μm NICKEL PLATED	1	1	1	1

20.7 (REF)

A/F 13.50 $^{+0.00}_{-0.10}$

25.3

3.0

3.0

1.6

2.7

Ø13.4

M12 X 1.0

18.0 (HEX)

FILLED WITH SEALING COMPOUND

M16.0 X 1.5−2A

⑥ ⑤ ③④ ①②

M12 METAL FEMALE PANEL MOUNT CONNECTOR, SOLDER, STRAIGHT, REAR (HEXAGONAL) MOUNTING	8	1838891−4
M12 METAL FEMALE PANEL MOUNT CONNECTOR, SOLDER, STRAIGHT, REAR (HEXAGONAL) MOUNTING	5	1838891−3
M12 METAL FEMALE PANEL MOUNT CONNECTOR, SOLDER, STRAIGHT, REAR (HEXAGONAL) MOUNTING	4	1838891−2
M12 METAL FEMALE PANEL MOUNT CONNECTOR, SOLDER, STRAIGHT, REAR (HEXAGONAL) MOUNTING	3	1838891−1
DESCRIPTION	NO. OF POS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	A.Morey	22FEB06
CHK	F.Wheeler−King	01MAR07
APVD	F.Wheeler−King	01MAR07

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
- 0 PLC ± −
- 1 PLC ± −
- 2 PLC ± −
- 3 PLC ± −
- 4 PLC ± −
- ANGLES ± −

PRODUCT SPEC —

APPLICATION SPEC —

MATERIAL —   FINISH —

WEIGHT —

TE   TE Connectivity

NAME

M12 METAL FEMALE PANEL MOUNT CONNECTOR, SOLDER, STRAIGHT, REAR (HEXAGONAL) MOUNTING

SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A3	00779	C−1838891		—

CUSTOMER DRAWING

SCALE NTS   SHEET 1 OF 2   REV C1

LOC	DIST	REVISIONS			
E	B				
		P	LTR	DESCRIPTION	DATE	DWN	APVD
		—		SEE SHEET 1	—	—	—

1838891−1
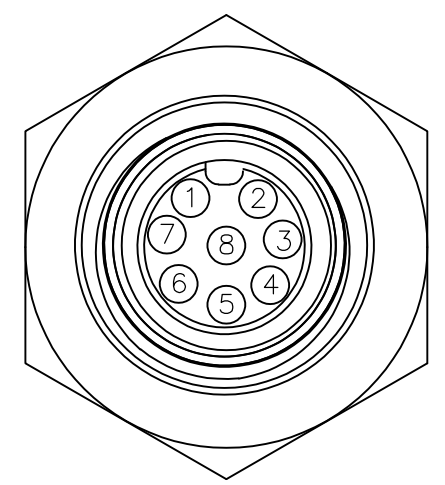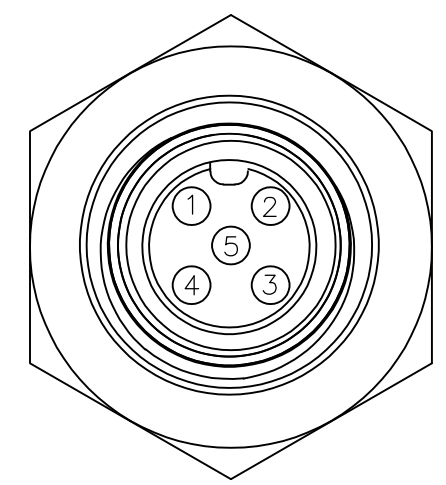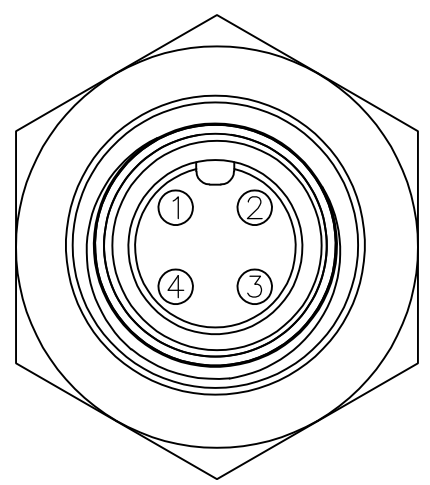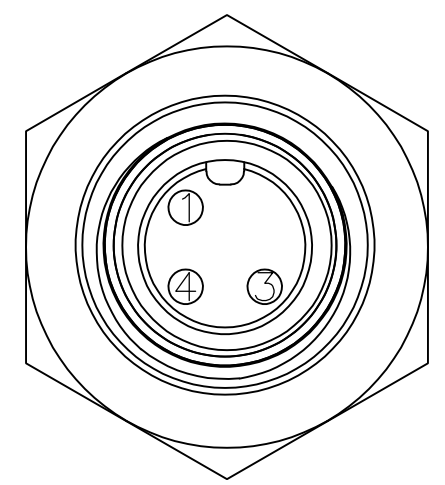
1838891−2

1838891−3

1838891−4

PIN ASSIGNMENTS
FRONT VIEW

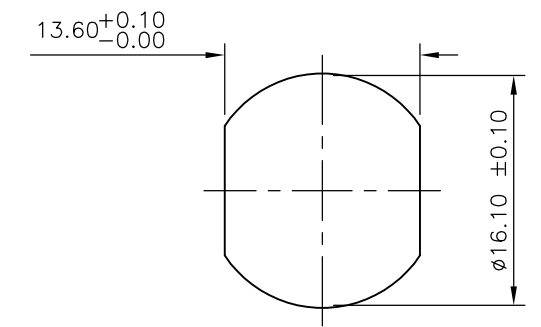PIN ASSIGNMENTS
FRONT VIEW

PIN ASSIGNMENTS
FRONT VIEW

PIN ASSIGNMENTS
FRONT VIEW

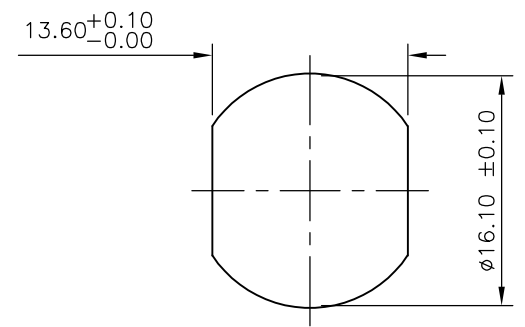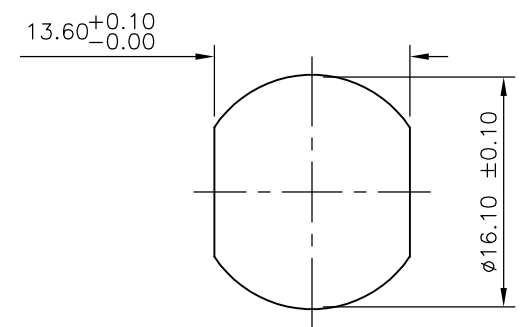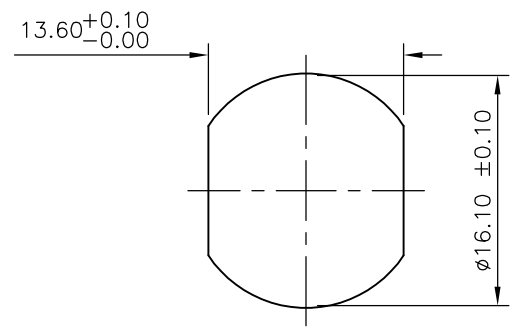RECOMMENDED PANEL CUT−OUT
(MAX PANEL THICKNESS 4.5mm)

$13.60^{+0.10}_{-0.00}$

$\varnothing 16.10 \pm 0.10$

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(MAX PANEL THICKNESS 4.5mm)

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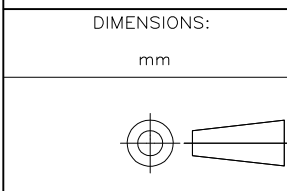
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CHK	F.Wheeler−King	01MAR07
APVD	F.Wheeler−King	01MAR07

DIMENSIONS:
mm

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC	± −
1 PLC	± −
2 PLC	± −
3 PLC	± −
4 PLC	± −
ANGLES	± −

MATERIAL
—

FINISH
—

NAME
M12 METAL FEMALE PANEL MOUNT CONNECTOR,
SOLDER, STRAIGHT, REAR (CIRCULAR) MOUNTING
—

PRODUCT SPEC
—

APPLICATION SPEC
—

WEIGHT
—

TE TE Connectivity

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C−1838891	—

| SCALE | NTS | SHEET | 2 OF 2 | REV | C1 |

CUSTOMER DRAWING