TE connectivity

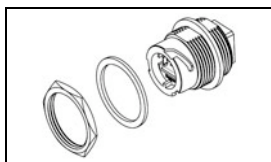**Have a Question?**
Chat with a Product
Information Specialist

What can we help you find?

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1738601-1 Product Details

Share   Print   Email

1738601-1

TE Internal Number: 1738601-1

✓ Active

📄 View 3D PDF

Circular Sealed RJ-45 Connectors and RJ-45 Field Installable Plugs

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

Product Highlights:
- Connector
- Product Style = Circular
- Connector Style = Receptacle - Pass Through
- Not Shielded
- Mount Type = Panel Mount

View all Features

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

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

Documentation & Additional Information

Product Drawings:
- RECEPTACLE KIT, INDUSTRIAL CIRCULAR ETHERNET CONNECTOR (PDF, English)

Catalog Pages/Data Sheets:
- INDUSTRIAL_ETHERNET_PRODUCTS (PDF, English)
- PCB_MOUNT_IP67_ODVA CONNECTORS (PDF, English)
- iNDUSTRIAL_ETHERNET_CABLE_ASSEMBLIES (PDF, English)

Product Specifications:
- Industrial Circular Ethernet Connector System (PDF, English)

Application Specifications:
- Industrial Circular Ethernet Panel-Mount Connector S... (PDF, English)

Instruction Sheets:
- Industrial Circular Ethernet Panel-Mount Connector S... (PDF, English)

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
- Product Style = Circular
- Grade = Industrial Ethernet
- Wiring Pattern = RJ45
- Performance Category = Cat 5e
- Coupling Nut Material = Brass

Electrical Characteristics:
- Shielded = No

Termination Features:
- Interface Type = Open Device-Net Vendors Association (ODVA)

Body Features:
- Mount Type = Panel Mount
- O-Ring Material = Elastomer

Contact Features:
- Contact Base Material = Phosphor Bronze
- Contact Plating = Gold over Nickel

Housing Features:
- Connector Style = Receptacle - Pass Through
- Housing Material = Polyester
- Housing Color = Black

Configuration Features:
- Number of Positions = 8

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

Conditions for Usage:
- Applies To = Panel

Other:
- Comment = See drawing for additional product information.; Front or Rear Panel Mounting.; Coupler lines crossover between ports.

Corporate Information
About TE
Investors

Quick Links
Distributor Inventory
Product Cross Reference

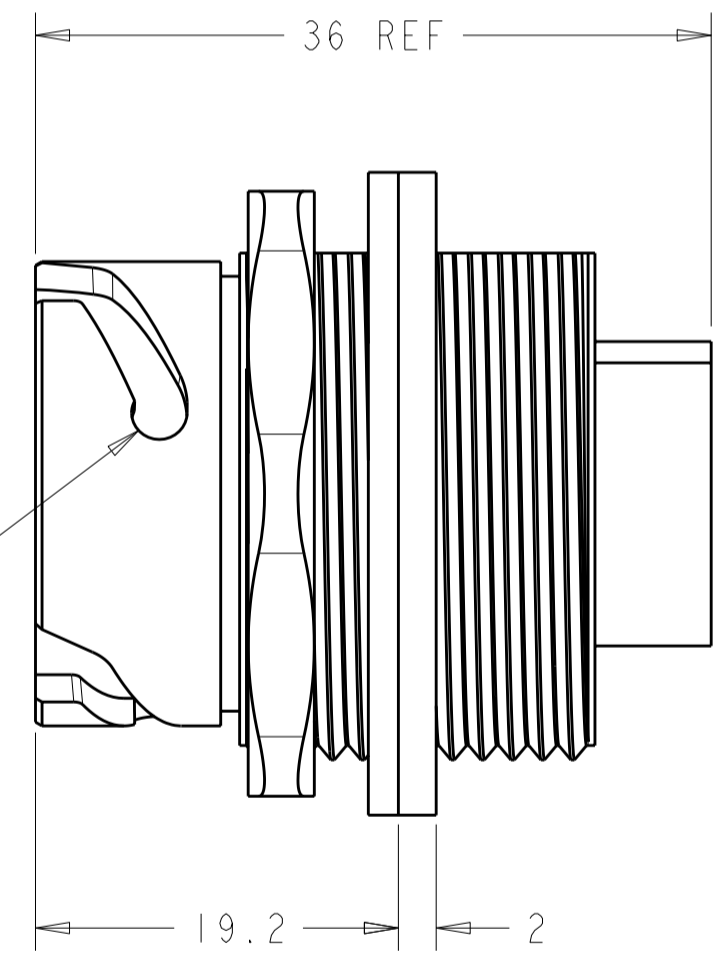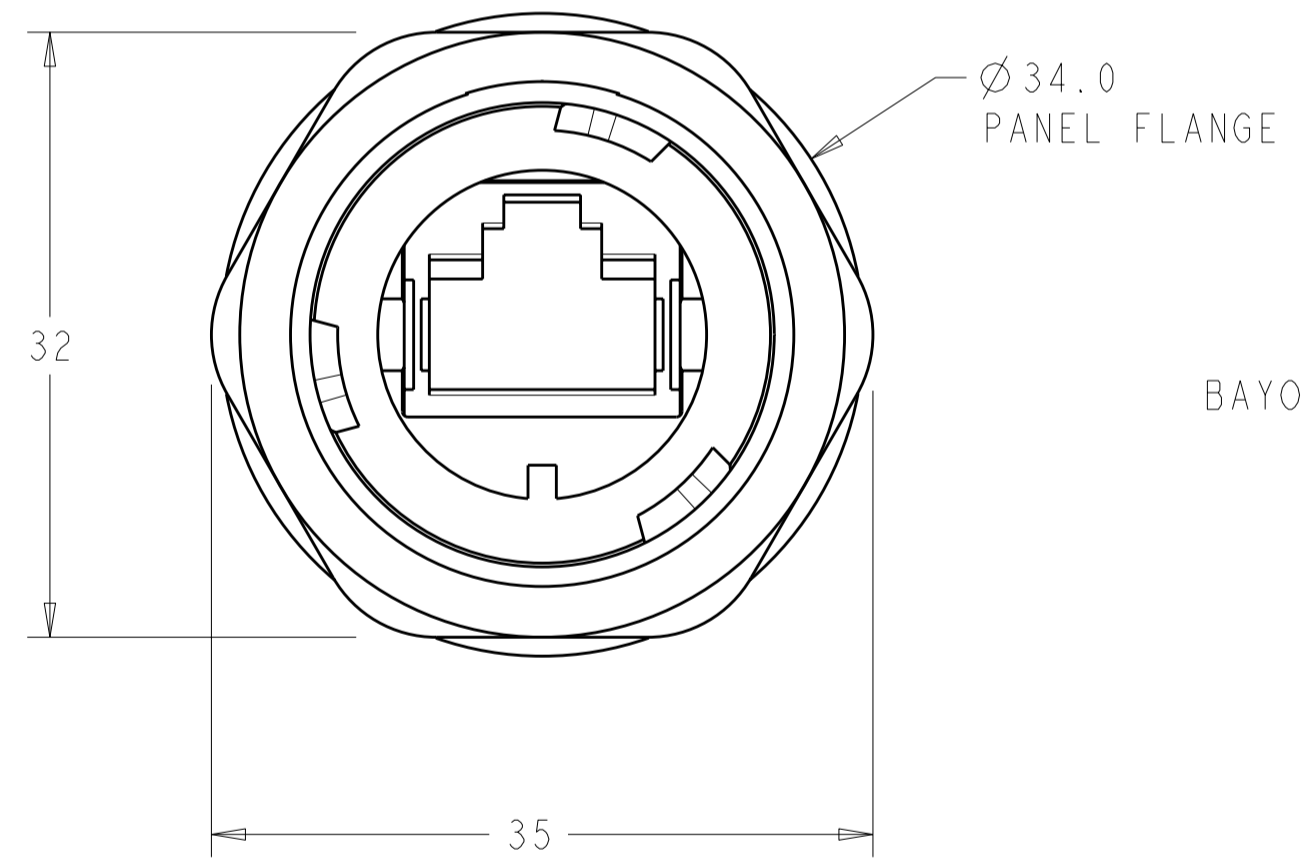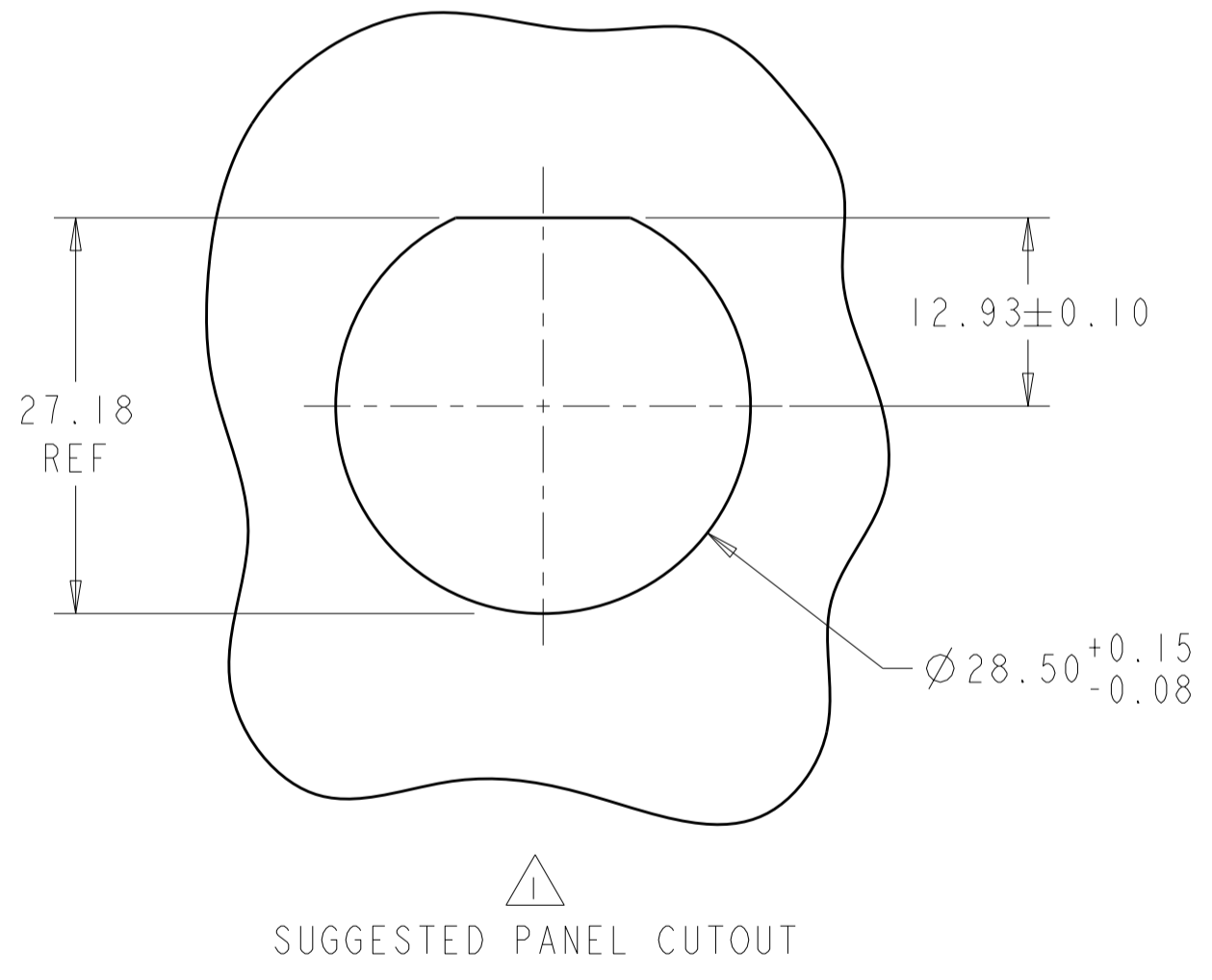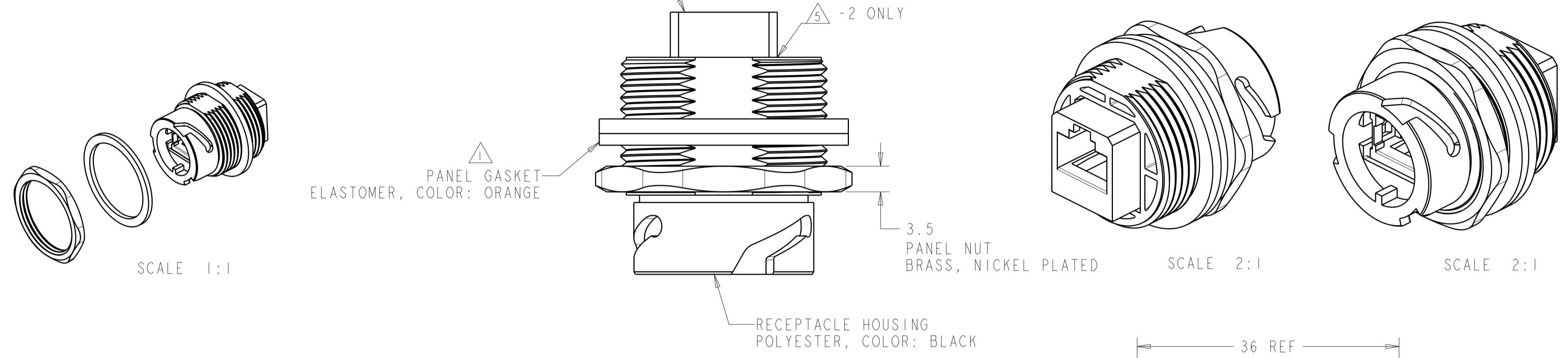**Customer Support**
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		REVISIONS			
LOC FT	DIST 0				
P	LTR	DESCRIPTION	DATE	DWN	APVD
	C1	REVISED PER ECO-11-004820	11MAR2011	RK	HMR

COUPLER, RJ-45
CATEGORY: SEE TABLE, 8 POSITION
HOUSING: THERMOPLASTIC
CONTACTS: PHOSPHOR BRONZE, GOLD OVER NICKEL

⚠5 -2 ONLY

⚠ PANEL GASKET
ELASTOMER, COLOR: ORANGE

3.5
PANEL NUT
BRASS, NICKEL PLATED

SCALE 1:1

SCALE 2:1

SCALE 2:1

RECEPTACLE HOUSING
POLYESTER, COLOR: BLACK

Ø34.0
PANEL FLANGE

36 REF

12.93±0.10

27.18
REF

32

BAYONET LOCK

Ø28.50 +0.15 -0.08

35

19.2　2

⚠1 SUGGESTED PANEL CUTOUT

CAT 6e	NO	1738601-3
CAT 5e	⚠5	1738601-2
CAT 5e	NO	1738601-1
CATEGORY	COUPLER BONDED	PART NUMBER

⚠1 CONNECTOR MAY BE FRONT OR REAR MOUNTED TO A MAXIMUM PANEL THICKNESS OF 3.2 mm.

2. COUPLER LINES CROSSOVER BETWEEN PORTS.

3. THIS PRODUCT HAS NOT COMPLETED VALIDATION TESTING.

4. PANEL NUT AND PANEL GASKET ARE PACKAGED UNASSEMBLED IN POLYBAG.

⚠5 COUPLER BONDED TO HOUSING BY ADHESIVE ALONG EDGE WHERE COUPLER MEETS HOUSING, SEE TABLE.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN R.L.KOLLER 25MAR04
CHK J.LANDIS 26MAR04
APVD S.HEADER 17JUN

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.3
1 PLC ±0.2
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±1°

PRODUCT SPEC 108-2198
APPLICATION SPEC 114-13136

MATERIAL -
FINISH -
WEIGHT

≡TE　TE Connectivity

NAME RECEPTACLE KIT, INDUSTRIAL CIRCULAR ETHERNET CONNECTOR

SIZE A2　CAGE CODE 00779　DRAWING NO C-1738601　RESTRICTED TO -

CUSTOMER DRAWING

SCALE 5:2　SHEET 1 OF 1　REV C1