

1620005-1 Product Details

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1620005-1

TE Part Number: 1620005-1

Active

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Integrated Magnetic, Stacked (Mag45™) and Power over Ethernet (PoE)

Not EU RoHS or ELV Compliant (Find RoHS Compliant Alternates)

Product Highlights:

- Gigabit Ethernet Application
- Component Type = RJ45 over Dual USB
- Magnetic Circuit = UR1G11
- Turns Ratio = 1:1
- 3 x 1 Jack Configuration

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Documentation & Additional Information

Product Drawings:

- [MAGNETIC RJ45 MOD JACK OVER USB STACKED RECEPTACLE 1...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- [Mag45* Modular Jacks With Integrated Magnetics](#) (PDF, English)

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version D)
- [3D Model](#) (IGES, Version D)
- [3D Model](#) (STEP, Version D)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- Signal Routing Type = Auto MDI/MDIX
- [PCB Mount Style](#) = Thru Hole
- Shielded = Yes
- Shield Material = Brass

Mechanical Attachment:

- [Jack Configuration](#) = 3 x 1

Electrical Characteristics:

- [Component Type](#) = RJ45 over Dual USB
- [Turns Ratio](#) = 1:1
- Impedance (Ω) = 100

Termination Related Features:

- [Bottom Panel Ground Tab](#) = Without

Body Related Features:

- [LED](#) = With
- Shield Panel Ground Tabs = Without
- [Bottom Shield](#) = Without
- Shield Plating = Semi-Bright Nickel (Pre-plated)
- PCB Tail Length (mm [in]) = 3.90 [0.154]

Housing Related Features:

- Housing Flammability Rating = UL 94V-0
- Housing Material = Thermoplastic

Configuration Related Features:

- Magnetic Circuit = UR1G11
- Upper Left LED Color (Top LED Position #2) = Green
- [Upper Right LED Color \(Top LED Position #1\)](#) = Green/Yellow (Bicolor)
- Decoupling Capacitor = 2KV
- [Rear PCB Ground Tab](#) = Without
- Signal Lead Quantity = 10

Industry Standards:

- [RoHS/ELV Compliance](#) = Not ELV/RoHS compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C

Conditions for Usage:

- [Temperature Rating](#) = Office / Premises (0 °C to +70 °C)

Operation/Application:

- [Application](#) = Gigabit Ethernet

Other:

- [Insulator](#) = Without
- Brand = Transpower