

5745886-3 Product Details

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5745886-3

TE Internal Number: 5745886-3

 Active

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Standard Board Mount Connectors

 [Always EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

Product Highlights:

- 25 Positions
- Connector Style = Receptacle
- PCB Mounting Orientation = Vertical
- Product Series = HD 20
- With Mating Connector Lock

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [RECEPTACLE ASSEMBLY, SIZE 3, 25 POSN, VERTICAL, FULL...](#) (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 B)
- [3D Model](#) (IGES, Version B)
- [3D Model](#) (STEP, Version B)

Additional Information:

- [Product Line Information](#)

Additional Product Images:

- [Product Photo](#)

Related Products:

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

Product Type Features:

- [PCB Mounting Orientation](#) = Vertical
- [Product Series](#) = HD 20
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Clinch Nut, 4-40 UNC
- [PCB Mount Retention](#) = Without
- [Shell Type](#) = Full Metal
- [Shell Size](#) = 3
- [Grounding Indents](#) = Without
- [Grounding Straps](#) = Without
- [PCB Mount Style](#) = Through Hole
- [Color Code](#) = None
- Sealed = No
- Profile = High
- Post Size (mm [in]) = 0.64 [.025]
- Mounting Hole Diameter (mm [in]) = 3.05 [.120]
- Shell Material = Steel
- Clinch Nuts Material = Steel

Mechanical Attachment:

- [Panel Mount Retention](#) = Without

Termination Features:

- [Grounding Clips](#) = Without
- [Termination Post Length \(mm \[in\]\)](#) = 10.85 [0.427]
- [Solder Tail Contact Plating](#) = Tin over Nickel

Body Features:

- [Number of Positions](#) = 25
- Insert Flammability Rating = UL 94V-0
- Insert Material = Thermoplastic
- Shell Plating = Tin
- Clinch Nuts Plating = Zinc

Contact Features:

- [Contact Plating, Mating Area, Material](#) = Gold (30), Gold Flash over Palladium Nickel
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

Housing Features:

- Connector Style = Receptacle

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:

- [PCB Thickness, Recommended \(in \[mm\]\)](#) = 0.062 - 0.093 [1.57 - 2.36]

Operation/Application:

- Application = Standard

Other:

- Brand = Tyco Electronics
- Comment = All receptacles are preloaded with size 20 DF posted socket contacts

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