

178328-5

✓ ACTIVE

Dynamic Series | Dynamic 3000 Series

TE Internal #: 178328-5

PCB Mount Header, Vertical, Wire-to-Board, 20 Position, 3.81 mm [.

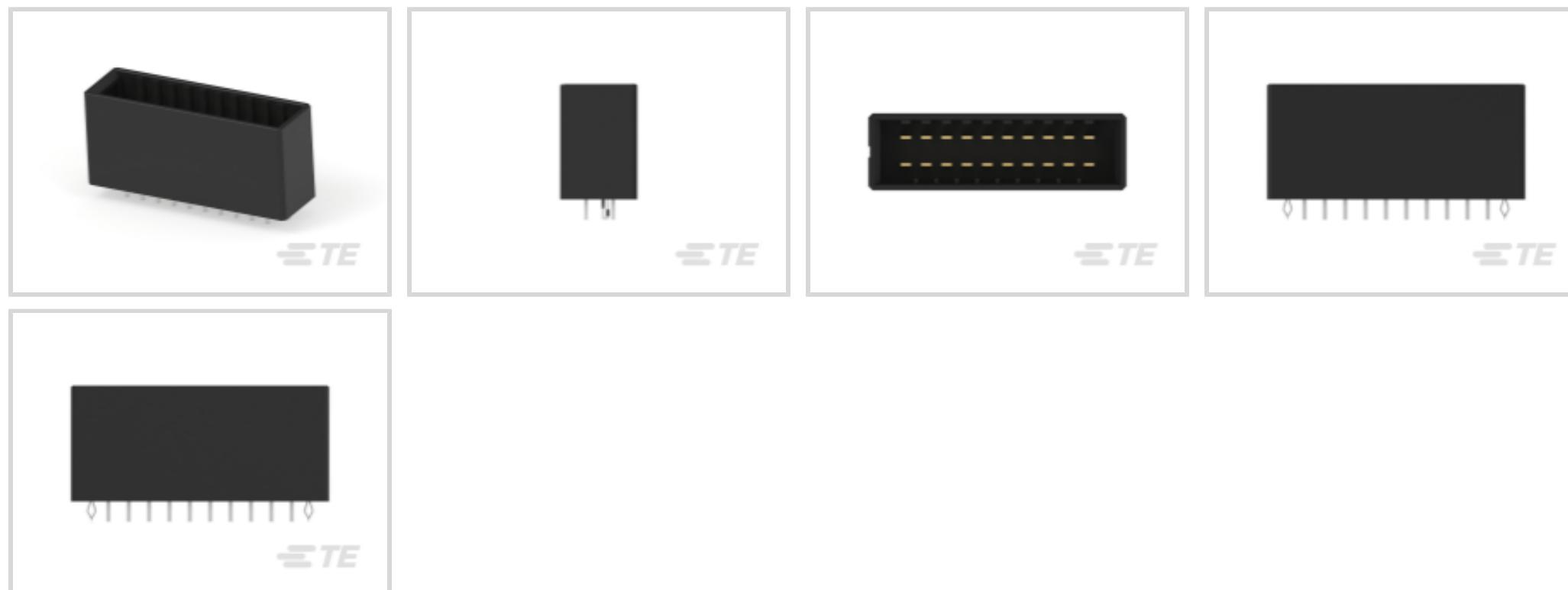
15 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder,

Dynamic 3000 Series

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 15A, gold or tin plated



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **20**

Number of Rows: **2**

[All Header Assembly: Wire-to-Board, 15A, gold or tin plated \(120\)](#)

Features

Electrical Characteristics

Operating Voltage	250 VDC
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Dimensions

Row-to-Row Spacing	5.08 mm[.2 in]
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Mechanical Attachment

Mating Retention	With
PCB Mount Retention Type	Retention Leg
Mating Alignment Type	Polarization
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Termination Post & Tail Length	3.8 mm [.149 in]
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Termination Method to PCB	Through Hole - Solder
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Contact Features

Contact Shape & Form	Rectangular
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Contact Underplating Material	Nickel
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Contact Layout	Matrix
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Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Thickness	2 μm [80 μin]
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Contact Mating Area Plating Material	Tin
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Contact Type	Tab
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Contact Current Rating (Max)	15 A
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Housing Features

Housing Material	Polyester GF
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Centerline (Pitch)	3.81 mm [.15 in]
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Product Type Features

PCB Connector Assembly Type	PCB Mount Header
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Connector System	Wire-to-Board
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Header Type	Fully Shrouded
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Sealable	No
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Connector & Contact Terminates To	Printed Circuit Board
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Configuration Features

PCB Mount Orientation	Vertical
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Number of Positions	20
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Number of Rows	2
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Body Features

Primary Product Color	Black
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Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube, Box
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

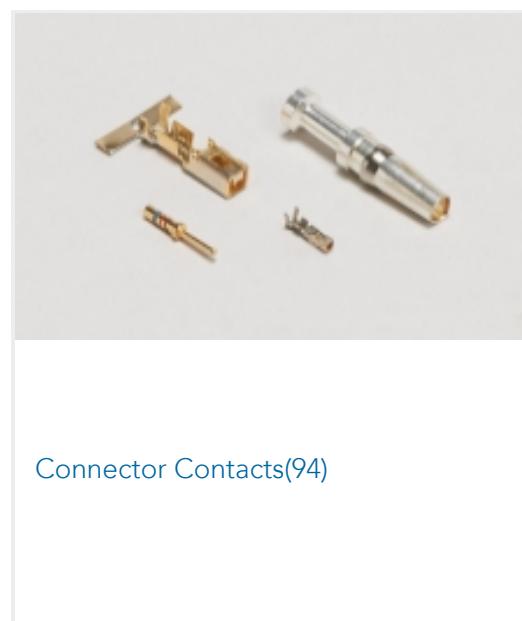
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

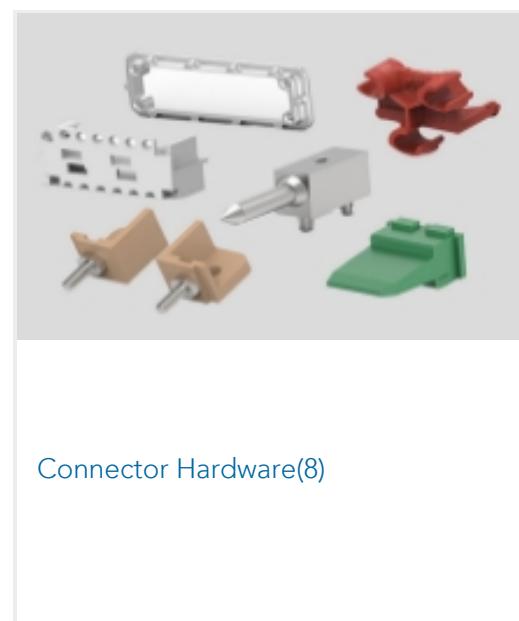


TE Part # 178289-8
DYNAMIC D3100 REC HSG 20P

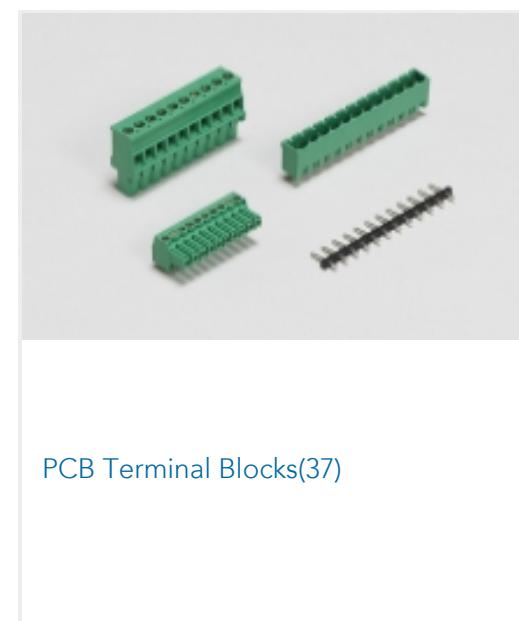
Also in the Series | Dynamic 3000 Series



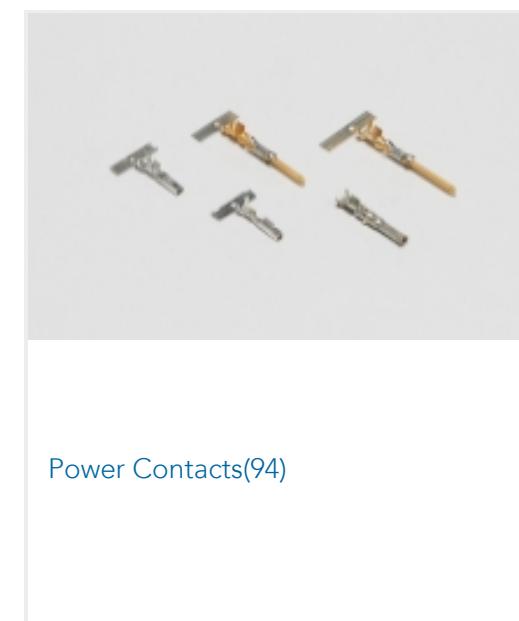
Connector Contacts(94)



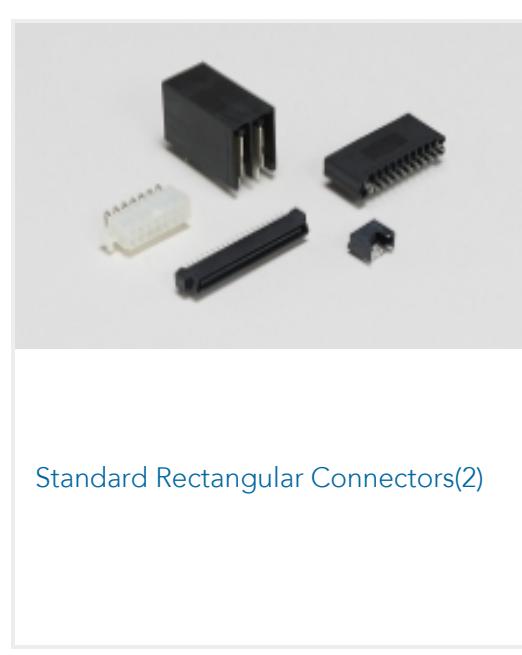
Connector Hardware(8)



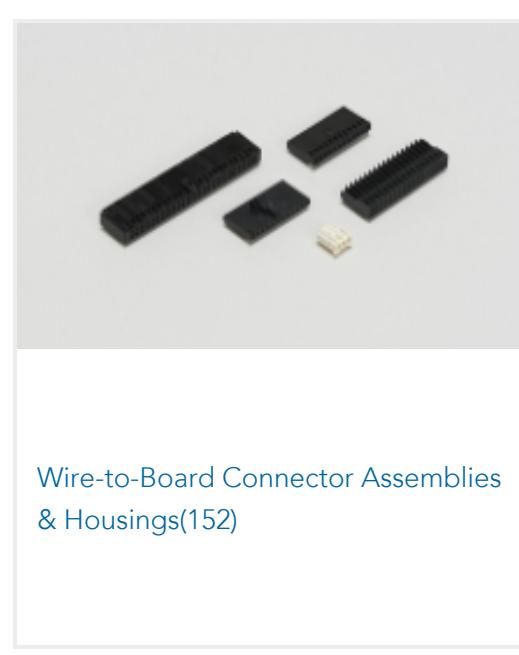
PCB Terminal Blocks(37)



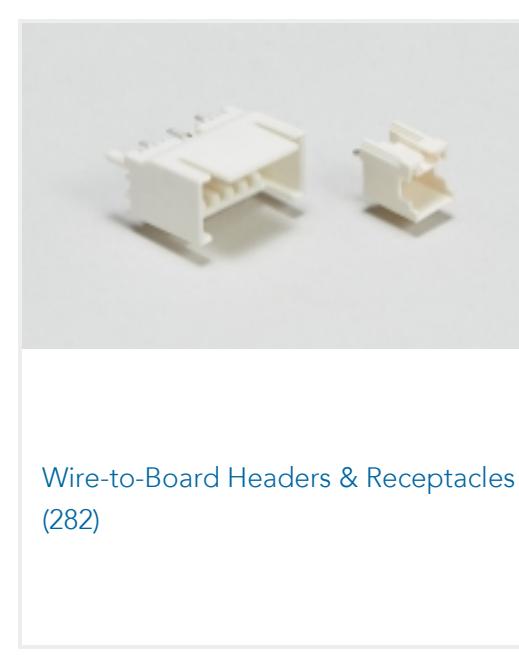
Power Contacts(94)



Standard Rectangular Connectors(2)



Wire-to-Board Connector Assemblies & Housings(152)



Wire-to-Board Headers & Receptacles (282)

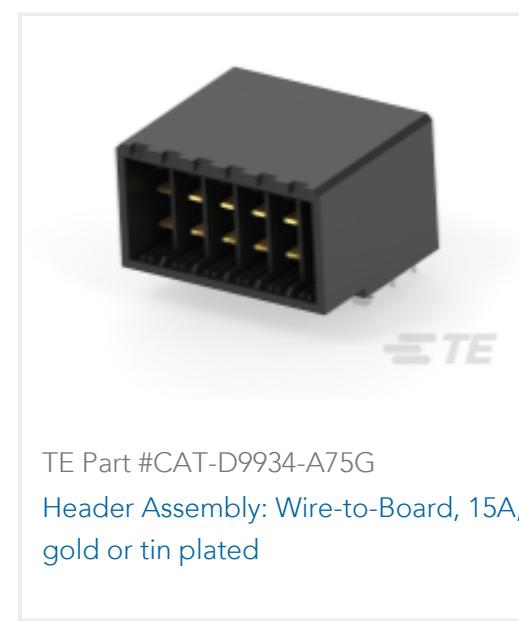
Customers Also Bought



TE Part #5499922-6
A/L UNIV HDR 26P VERT LG LAT



TE Part #CAT-D9934-A75F
DYNAMIC 3200 HDR ASSY



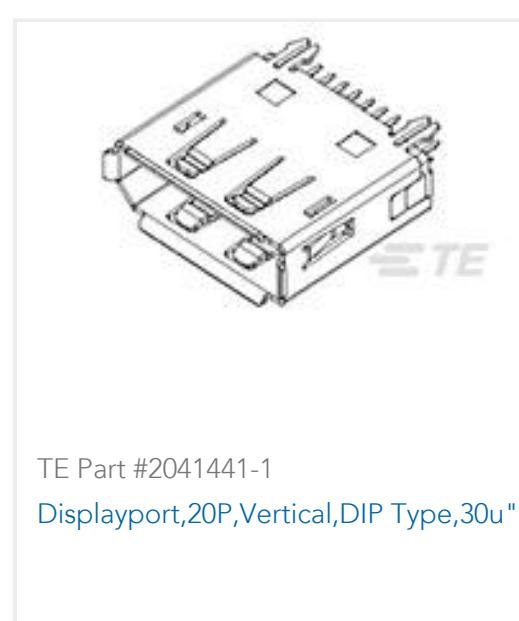
TE Part #CAT-D9934-A75G
Header Assembly: Wire-to-Board, 15A, gold or tin plated



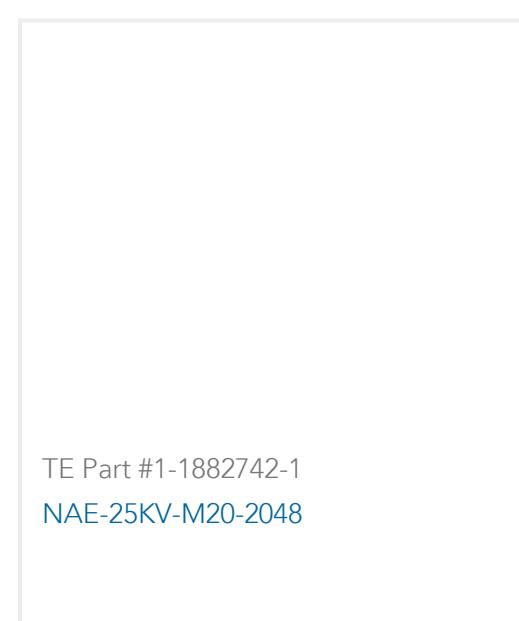
TE Part #2-2176390-4
RQ 1206 2K0 0.1% 10PPM 5K RL



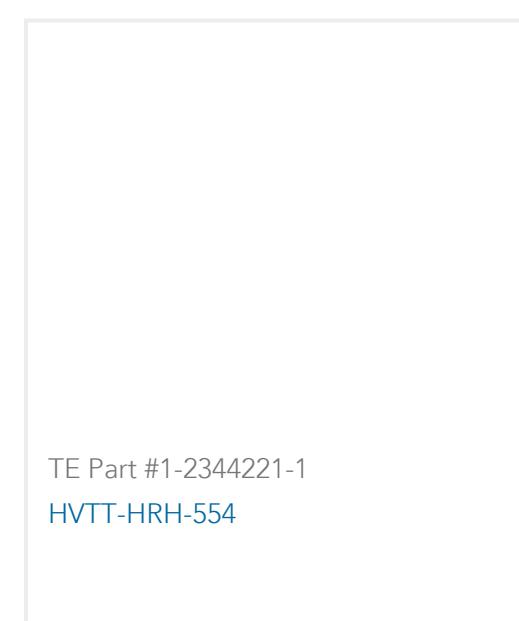
TE Part #1-178314-5
DYNAMIC D3100 HDR ASSY 4P V K/X



TE Part #2041441-1
Displayport,20P,Vertical,DIP Type,30u



TE Part #1-1882742-1
NAE-25KV-M20-2048



TE Part #1-2344221-1
HVTT-HRH-554

Documents

Product Drawings

DYNAMIC D3 HDR ASSY V 20P

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_178328-5_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_178328-5_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_178328-5_D.3d_stp.zip](#)

English

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Product Specifications

Product Specification

English

Agency Approvals

TUV Certificate

English