

1-350949-0 ✓ ACTIVE

MATE-N-LOK | Universal MATE-N-LOK

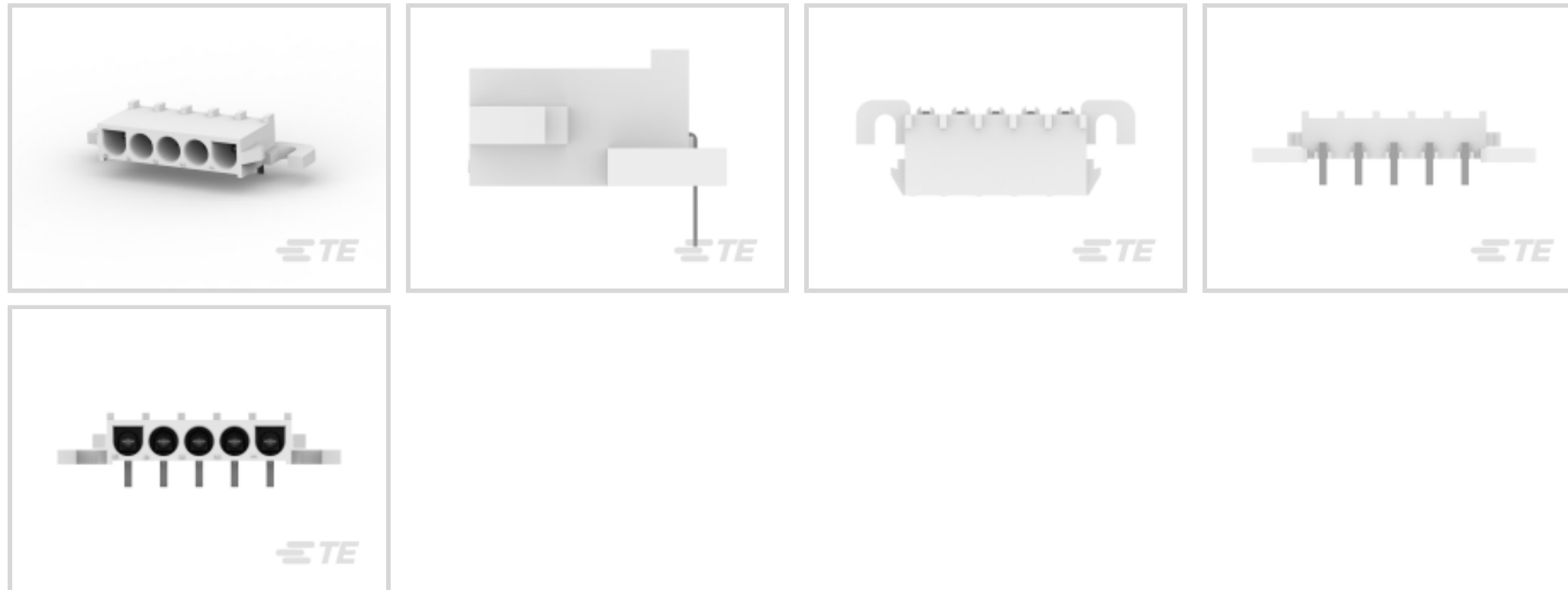
TE Internal #: 1-350949-0

PCB Mount Header, Right Angle, Wire-to-Board, 5 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Pre-Tin, Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **5**

Number of Rows: **1**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	5
Number of Columns	5
Number of Loaded Positions	5
Connector Contact Load Condition	Fully Loaded
Number of Positions	5
Number of Rows	1



PCB Mount Orientation	Right Angle
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Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Size	2.175mm
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PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]
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Contact Layout	Inline
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Mating Pin Diameter	2.18 mm[.085 in]
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Contact Underplating Material Thickness	1.27 – 1.79 μm [50 – 70 μin]
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Contact Mating Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]
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Contact Shape & Form	Round
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Pre-Tin
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material	Pre-Tin
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Contact Type	Pin
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Contact Current Rating (Max)	12 A
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Termination Features

Termination Post & Tail Length	4.06 mm[.16 in]
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Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Mating Alignment Type	Polarization
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Mating Retention	With
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Panel Mount Feature	Without
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PCB Mount Retention Type	Mounting Ears
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Mating Retention Type	Locking Tab
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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PCB Mount Alignment	Without
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PCB Mount Retention	With
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Housing Features

Mating Entry Location	Side
Housing Material	Nylon
Centerline (Pitch)	6.35 mm [.25 in]

Dimensions

Connector Length	50.67 mm [1.995 in]
Connector Height	9.14 mm [.36 in]
Connector Width	17.27 mm [.68 in]
PCB Thickness (Recommended)	1.57 mm [.062 in]

Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

UL Rating	Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	CSA, UL, VDE
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	140
Packaging Method	Bag

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

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

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 # 1-350589-0
STR/REL CLAMP NATL



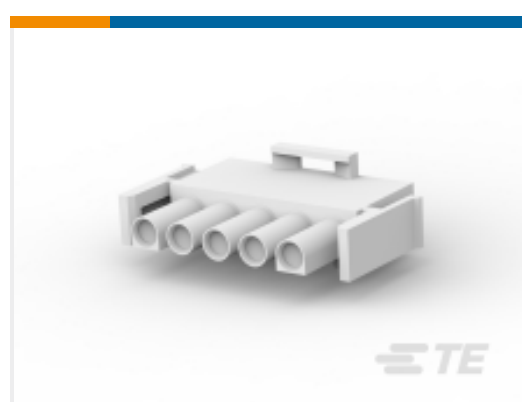
TE Part # 350811-1
STR/REL CLAMP



TE Part # 2029361-1
05P UMNL SOC HDR V2 NATL NDH



TE Part # 643030-1
05P UMNL STR/REL



TE Part # 1-480763-0
05P UMNL PLUG HSG NATL



TE Part # 1586134-1
05P UMNL PIN HDR V2 NATL NDH



TE Part # 1586968-1
05P UMNL PIN HDR ASSY V2, GW



TE Part # 1586958-1
03P UMNL PIN HDR ASSY NATL, GW



TE Part # 643030-2
05P UMNL STR/REL V2 NATL



TE Part # 1586892-3
03P UMNL HDR ASSY R/A, GW V0



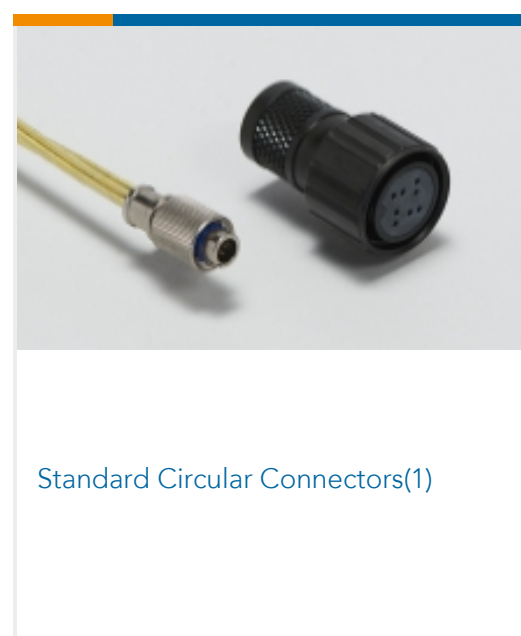
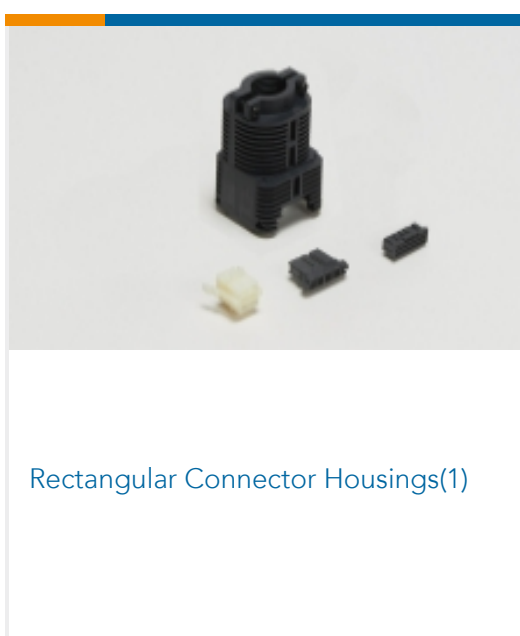
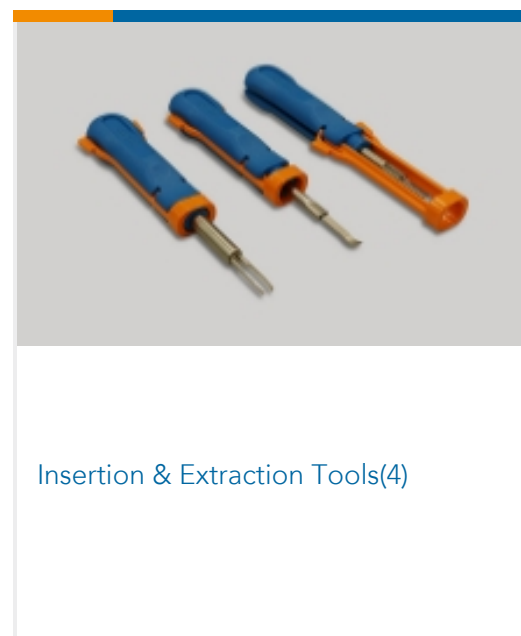
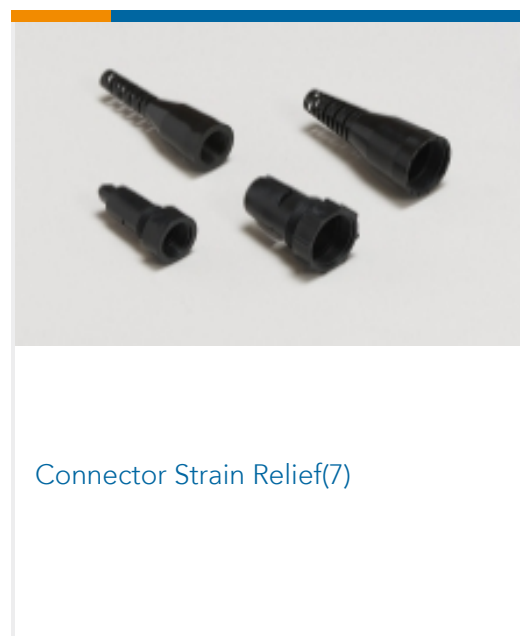
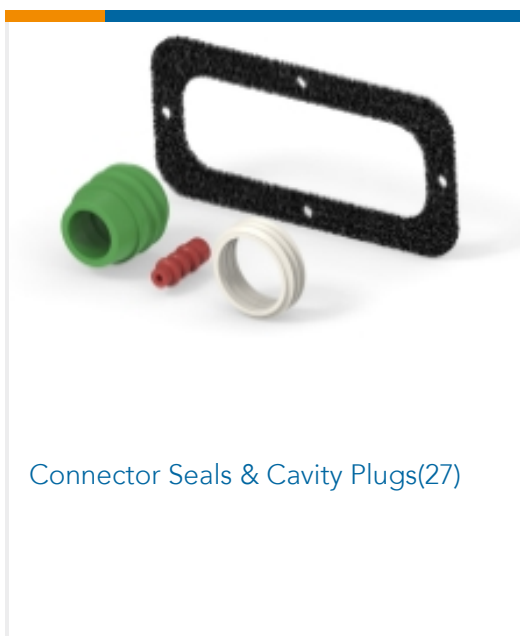
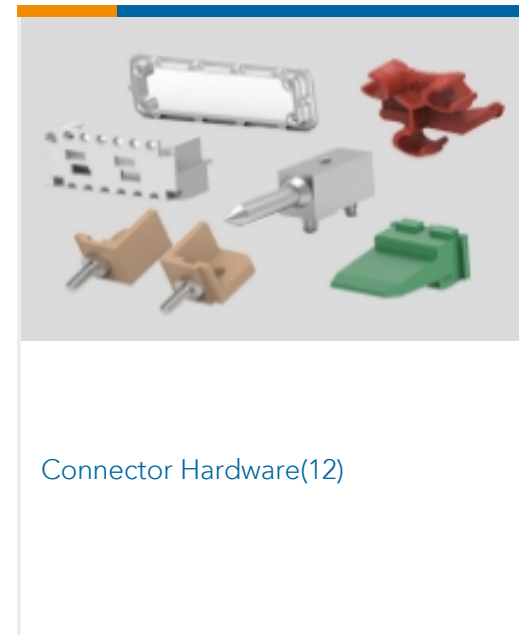
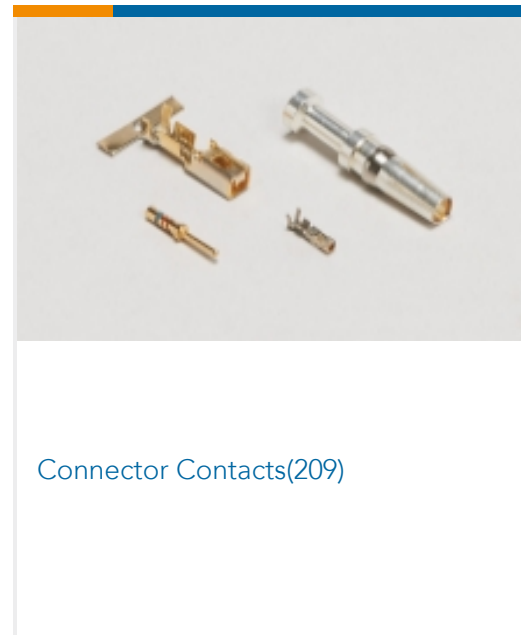
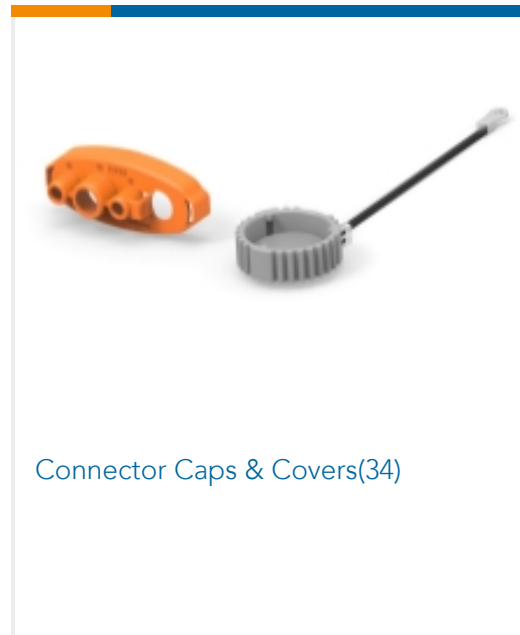
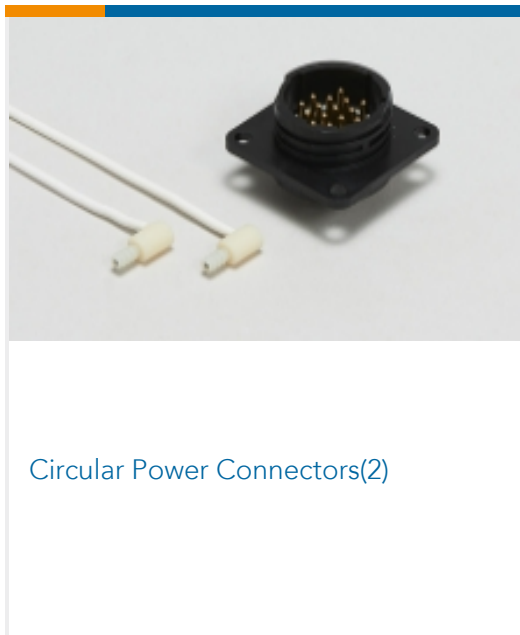
TE Part # 643030-3
05P UMNL STR/REL V2 NATL



TE Part # 643030-4
05P UMNL STR/REL

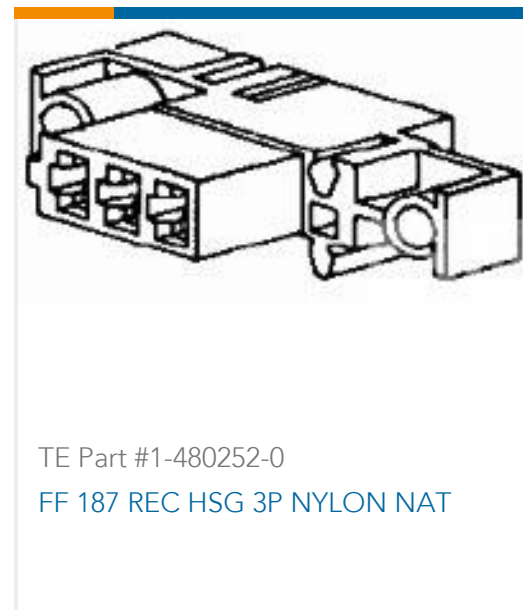


Also in the Series | Universal MATE-N-LOK



Customers Also Bought





Documents

Product Drawings

[05P UMNL HDR ASSY R/A V2 NATL](#)

English

CAD Files

Customer View Model

[ENG_CVM_1-350949-0_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-350949-0_N.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-350949-0_N.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-350949-0_V.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-350949-0_V.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-350949-0_V.3d_stp.zip](#)

English



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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL](#)

English