

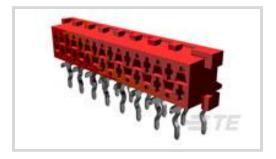
#### Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 7-215460-6 Ribbon Cable Connectors, Cable-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Micro-MaTch Industrial

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



#### Connector System: Cable-to-Board

Number of Positions: 6

Centerline (Pitch): 2.54 mm [.1 in]

PCB Mount Retention: With

PCB Mount Retention Type: Kinked Legs

#### Features

#### **Product Type Features**

Ribbon Cable Connector Type

Connector Product Type

Connector System

Female-on-Board

Connector Assembly

Cable-to-Board

| Connector & Housing Type                                | Receptacle                    |
|---|-------------------------------|
| Connector & Contact Terminates To                       | Printed Circuit Board         |
| Configuration Features                                  |                               |
| Number of Positions                                     | 6                             |
| PCB Mount Orientation                                   | Right Angle                   |
| Number of Rows  | 2                             |
| Electrical Characteristics                              |                               |
| Insulation Resistance                                   | 1000 MΩ                       |
| Operating Voltage                                       | 100 VAC                       |
| Body Features   |                               |
| Primary Product Color                                   | Red                           |
| Connector Profile                                       | Standard                      |
| Contact Features  |                               |
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 μm[118.11 – 196.85 μin] |
| Contact Layout  | Staggered                     |

**C** For support call+1 800 522 6752

Ribbon Cable Connectors, Cable-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Micro-MaTch Industrial



| Contact Type         Receptacle           Contact Mating Area Plating Material         Tin           PCR Contact Termination Area Plating Material Finish         Matte           Contact Mating Area Plating Material Finish         Matte           Contact Mating Area Plating Material Finish         Matte           Contact Underplating Material Finish         Matte           Contact Underplating Material         Tin           Contact Termination Area Plating Material         Tin           Contact Current Rating (Max)         1.5 A           Termination Method to Printed Circuit Roard         Through Hale - Solder           Mating Alignment         With           PCB Mount Retention         With           PCB Mount Retention         With           PCB Mount Retention         Without           PCB Mount Retention         Side           Planing Inspin Contact         Side           Posing First Prese         Side           Planing Mat  |  |                               |
|---|--|-------------------------------|
| Contact Mating Area Plating MaterialTinPCB Contact Termination Area Plating Material FinishMatteContact Underplating Material FinishMatteContact Underplating MaterialNickelPCB Contact Termination Area Plating MaterialTinContact Underplating MaterialPhosphor BronzeContact Current Rating MaterialPhosphor BronzeContact Current Rating Max)1.5 ATermination Method to Printed Circuit BoardIhrough Hole - SolderMating AlignmentWithPCB Mount AlignmentWithoutPCB Mount RetentionWithoutPCB Mount RetentionWithoutPCB Mount RetentionWithoutPCB Mount RetentionWithoutPCB Mount RetentionSideMating RetentionSideMating Party LocationSideHousing FeaturesSideMating MaterialConterline (Pitch)DescriptionSideHousing MaterialSideHousing Party LocationSideHousing MaterialSideHousing MaterialSideHousing MaterialSideHousing MaterialSideHousing Party LocationSideHousing Party LocationSideHousing Party LocationSideHousing MaterialSideHousing MaterialSideHousing Party LocationSideHousing Party LocationSideHousing Party LocationSideConterline (Pitch)SideDependentionS   | Contact Type   | Receptacle                    |
| PCB Contact Termination Area Plating Material Finish     Matte       Contact Underplating Material     Nickel       PCB Contact Termination Area Plating Material     Tin       Contact Base Material     Phosphor Bronze       Contact Current Rating (Max)     1.5 A       Termination Method to Printed Circuit Board     Through Hole: Solder       Mating Alignment     With       PCB Mount Alignment     With       PCB Mount Retention     Without       PCB Mount Retention     With       PCB Mount Retention     Without       PCB Mount Retention     Side       Mating Entry Location     Side       Housing Material     Glass Filled PBT       Centerline (Pitch)     2.54 mm(1 in)       Dimensions     Is mm(1.059 in)       Reage Conditions     (Signal       Operating Lemperature Range     -00 - 105 °C(140 - 221 °F)       Operating Lemperature Range     -10   | Contact Mating Area Plating Material Thickness       | 3 – 5 μm[118.11 – 196.85 μin] |
| Contact Mating Area Plating Material     Matte       Contact Underplating Material     Nickel       PCB Contact Termination Area Plating Material     Tin       Contact Base Material     Phosphor Bronze       Contact Current Rating (Max)     1.5 A       Termination Method to Printed Circuit Board     Through Hole - Solder       Mating Alignment     With       PCB Mount Alignment     With       PCB Mount Retention     Without       Connector Mounting Type     Polarization       Mating Retention     Without       Connector Mounting Type     Board Mount       Housing Features     Side       Mating Intry Location     Side       Hausing Material     Glass Filled PBT       Centerline (Pitch)     2.54 mm[1 in]       Demensions     Image Page Page Page Page Page Page Page P   | Contact Mating Area Plating Material                 | Tin                           |
| Contact Underplating Material     Nickel       PCB Contact Termination Area Plating Material     Tin       Contact Base Material     Phosphor Bronze       Contact Current Rating (Max)     1.5 A       Termination Features     Through Hole - Solder       Mating Alignment     With       PCB Mount Alignment     Without       PCB Mount Alignment     Without       PCB Mount Retention     With       PCB Mount Retention Type     Kinked Legs       Mating Alignment     Without       PCB Mount Retention Type     Polarization       Mating Alignment Type     Polarization       Mating Retention     Without       Connector Mounting Type     Board Mount       Housing Material     Glass Filled PBT       Contactine (Pitch)     2.54 mm(1 inj       Dimensions     Isomy David Spring       Vage Conditions     Isomy David Spring       Operating Temperature Range     40 - 105 "C[ 40 - 221 "F]       Operating Temperature Range     40 - 105 "C[ 40 - 221 "F]       Operating Temperature Range     Signal  | PCB Contact Termination Area Plating Material Finish | Matte                         |
| PCB Contact Termination Area Plating Material       Tin         Contact Base Material       Phosphor Bronze         Contact Current Rating (Max)       1.5 A         Termination Features       Trough Hole - Solder         Termination Method to Printed Circuit Board       Through Hole - Solder         Mechanical Attachment       With         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention       With         PCB Mount Retention       Without         PCB Mount Retention       Without         PCB Mount Retention       Without         PCB Mount Retention       Without         Connector Mounting Type       Board Mount         Housing Retention       Side         Housing Features       Side         Mating Entry Location       Side         Housing Material       Class Filled PBT         Centerline (Pitch)       254 mm[.1 in]         Dimensions       Immediate         Row to Row Spacing       1.5 mm[.059 in]         Usage Conditions       Immediate         Operation/Application       Signal         Industry Standards       Signal  | Contact Mating Area Plating Material Finish          | Matte                         |
| Contact Base Material     Phosphor Bronze       Contact Current Rating (Max)     1.5 A       Termination Features     Termination Method to Printed Circuit Board     Through Hole - Solder       Mechanical Attachment     With       Mating Alignment     Without       PCB Mount Alignment     Without       PCB Mount Retention     Without       PCB Mount Retention     Without       PCB Mount Retention     Without       PCB Mount Retention Type     Kinked Legs       Mating Alignment Type     Polarization       Mating Retention     Without       Connector Mounting Type     Board Mount       Housing Features     Side       Mating Intry Location     Side       Housing Material     Glass Filled PBT       Centerline (Pitch)     2.54 mm[.1 in]       Dimensions     I       Rew-to-Row Spacing     1.5 mm[.059 in]       Usage Conditions     I       Operating Temperature Range     -40 - 105 °C[.40 - 221 °F[       Operating Temperature Range     -40 - 105 °C[.40 - 221 °F[       Operating Temperature Range     Signal   | Contact Underplating Material                        | Nickel                        |
| Contact Current Rating (Max)     1.5 A       Termination Features     Itermination Method to Printed Circuit Board       Itermination Method to Printed Circuit Board     Ihrough Hole - Solder       Mechanical Attachment     With       Mating Alignmont     Without       PCB Mount Alignment     Without       PCB Mount Retention     With       PCB Mount Retention Type     Kinked Legs       Mating Alignment Type     Polarization       Mating Rignment Type     Board Mount       Connector Mounting Type     Board Mount       Housing Features     Side       Mating Entry Location     Side       Housing Material     Class Filled PBT       Centerline (Pitch)     2.54 mm].1 in]       Dimensions     I.5 mm[.059 in]       Qperating Temperature Range     .40 – 105 °C[-40 – 221 °F]       Operating Temperature Range     .40 – 105 °C[-40 – 221 °F]   | PCB Contact Termination Area Plating Material        | Tin                           |
| Termination Features         Termination Method to Printed Circuit Board       Through Hole - Solder         Mechanical Attachment         Mating Alignment       With         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention       With         PCB Mount Retention Type       Kinked Legs         Mating Alignment Type       Polarization         Mating Retention       Without         Connector Mounting Type       Board Mount         Housing Features       Side         Mating Entry Location       Side         Housing Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Insmi0.059 in]         Usage Conditions       Joperating Temperature Range         Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Operating Temperature Range       Signal  | Contact Base Material                                | Phosphor Bronze               |
| Termination Method to Printed Circuit Board       Through Hole Solder         Mechanical Attachment       With         Mating Alignment       With         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention       With         PCB Mount Retention Type       Kinked Legs         Mating Alignment Type       Polarization         Mating Retention       Without         Connector Mounting Type       Board Mount         Housing Features       Using Material         Icenterline (Pitch)       Side         Icenterline (Pitch)       2.54 mm[.059 in]         Dimensions       Isoma[.059 in]         Row to Row Spacing       1.5 mm[.059 in]         Usage Conditions       -10 – 105 "C[.40 – 221 "F]         Operating Temperature Range       -40 – 105 "C[.40 – 221 "F]         Operating Temperature Range       -40 – 105 "C[.40 – 221 "F]         Operating Temperature Range       -40 – 105 "C[.40 – 221 "F]         Operating Temperature Range       -40 – 105 "C[.40 – 221 "F]  | Contact Current Rating (Max)                         | 1.5 A                         |
| Mechanical Attachment       With         Mating Alignment       Without         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention Type       Kinked Legs         Mating Alignment Type       Polarization         Mating Retention       Without         Connector Mounting Type       Board Mount         Housing Features       Side         Mating Entry Location       Side         Housing Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.059 in]         Dimensions       Issee Conditions         Querating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Operating Temperature Range       Signal         Itsustry Standards       Signal  | Termination Features                                 |                               |
| Mating Alignment       With         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention Type       Kinked Legs         Mating Alignment Type       Polarization         Mating Retention       Without         Connector Mounting Type       Board Mount         Housing Features       Side         Mating Align ment Type       Glass Filled PBT         Connector Mounting Type       Side         Housing Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.059 in]         Dimensions       I.5 mm[.059 in]         Usage Conditions       -40 – 105 °C[-40 – 221 °F]         Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Operating Temperature Range       Signal         Industry Standards       Signal   | Termination Method to Printed Circuit Board          | Through Hole - Solder         |
| PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention Type       Kinked Legs         Mating Alignment Type       Polarization         Mating Retention       Without         Connector Mounting Type       Board Mount         Housing Features       Side         Mating Entry Location       Side         Housing Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Side         Row to Row Spacing       1.5 mm[.059 in]         Usage Conditions       40 – 105 °C[-40 – 221 °F]         Operation /Application       Signal         Industry Standards       Signal  | Mechanical Attachment                                |                               |
| PCB Mount Retention       With         PCB Mount Retention Type       Kinked Legs         Mating Alignment Type       Polarization         Mating Retention       Without         Connector Mounting Type       Board Mount         Housing Features       Board Mount         Mating Entry Location       Side         Housing Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.059 in]         Dimensions       I.5 mm[.059 in]         Vage Conditions       -40 – 105 °C[-40 – 221 °F]         Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Circuit Application       Signal         Industry Standards       Signal   | Mating Alignment                                     | With                          |
| PCB Mount Retention Type       Kinked Legs         Mating Alignment Type       Polarization         Mating Retention       Without         Connector Mounting Type       Board Mount         Housing Features       Side         Mating Entry Location       Side         Mouning Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       I.5 mm[.059 in]         Usage Conditions       -40 – 105 °C[-40 – 221 °F]         Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Circuit Application       Signal  | PCB Mount Alignment                                  | Without                       |
| Mating Alignment Type       Polarization         Mating Retention       Without         Connector Mounting Type       Board Mount         Housing Features       Board Mount         Mating Entry Location       Side         Housing Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Side         Row-to-Row Spacing       1.5 mm[.059 in]         Usage Conditions       -40 – 105 °C[-40 – 221 °F]         Operation/Application       Signal         Industry Standards       Signal   | PCB Mount Retention                                  | With                          |
| Mating RetentionWithoutConnector Mounting TypeBoard MountHousing FeaturesFour the second se | PCB Mount Retention Type                             | Kinked Legs                   |
| Connector Mounting TypeBoard MountHousing FeaturesSideMating Entry LocationSideHousing MaterialGlass Filled PBTCenterline (Pitch)2.54 mm[.1 in]DimensionsI.5 mm[.059 in]Row-to-Row Spacing1.5 mm[.059 in]Usage Conditions-40 – 105 °C[-40 – 221 °F]Operating Temperature Range-40 – 105 °C[-40 – 221 °F]Operation/ApplicationSignalIndustry StandardsSignal   | Mating Alignment Type                                | Polarization                  |
| Housing Features         Mating Entry Location       Side         Housing Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       I.5 mm[.059 in]         Row-to-Row Spacing       1.5 mm[.059 in]         Usage Conditions       -40 - 105 °C[-40 - 221 °F]         Operating Temperature Range       -40 - 105 °C[-40 - 221 °F]         Circuit Application       Signal   | Mating Retention                                     | Without                       |
| Mating Entry Location       Side         Housing Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Row-to-Row Spacing         Row-to-Row Spacing       1.5 mm[.059 in]         Usage Conditions       -40 – 105 °C[-40 – 221 °F]         Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Circuit Application       Signal         Industry Standards       Signal   | Connector Mounting Type                              | Board Mount                   |
| Housing Material       Glass Filled PBT         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Image: Conditions         Row-to-Row Spacing       1.5 mm[.059 in]         Usage Conditions       -40 – 105 °C[-40 – 221 °F]         Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Operation/Application       Signal         Industry Standards       Signal   | Housing Features                                     |                               |
| Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Image Conditions         Row-to-Row Spacing       1.5 mm[.059 in]         Usage Conditions       -40 – 105 °C[-40 – 221 °F]         Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Operation/Application       Signal         Industry Standards       Signal  | Mating Entry Location                                | Side                          |
| Dimensions         Row-to-Row Spacing       1.5 mm[.059 in]         Usage Conditions         Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Operation/Application         Circuit Application         Industry Standards  | Housing Material                                     | Glass Filled PBT              |
| Row-to-Row Spacing 1.5 mm[.059 in]   Usage Conditions   Operating Temperature Range   -40 – 105 °C[-40 – 221 °F]   Operation/Application   Circuit Application   Industry Standards   | Centerline (Pitch)                                   | 2.54 mm[.1 in]                |
| Usage Conditions         Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Operation/Application         Circuit Application       Signal         Industry Standards   | Dimensions   |                               |
| Operating Temperature Range       -40 – 105 °C[-40 – 221 °F]         Operation/Application       -40 – 105 °C[-40 – 221 °F]         Circuit Application       Signal         Industry Standards   | Row-to-Row Spacing                                   | 1.5 mm[.059 in]               |
| Operation/Application       Circuit Application       Industry Standards  | Usage Conditions                                     |                               |
| Circuit Application Signal Industry Standards   | Operating Temperature Range                          | -40 – 105 °C[-40 – 221 °F]    |
| Industry Standards  | Operation/Application                                |                               |
|   | Circuit Application                                  | Signal                        |
| UL Rating Recognized  | Industry Standards                                   |                               |
|   | UL Rating  | Recognized                    |
| Agency/Standard UL  | Agency/Standard                                      | UL                            |

Ribbon Cable Connectors, Cable-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Micro-MaTch Industrial



| Approved Standards   | UL E28476  |
|--|--|
| UL Flammability Rating   | UL 94V-0   |
| Packaging Features   |  |
| Packaging Quantity   | 250  |
| Packaging Method   | Box  |
| <b>Product Compliance</b><br>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 2023<br>(235)<br>Candidate List Declared Against: JAN 2023<br>(233)<br>Does not contain REACH SVHC |
| Halogen Content  | Not Low Halogen - contains Br or Cl > 900<br>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

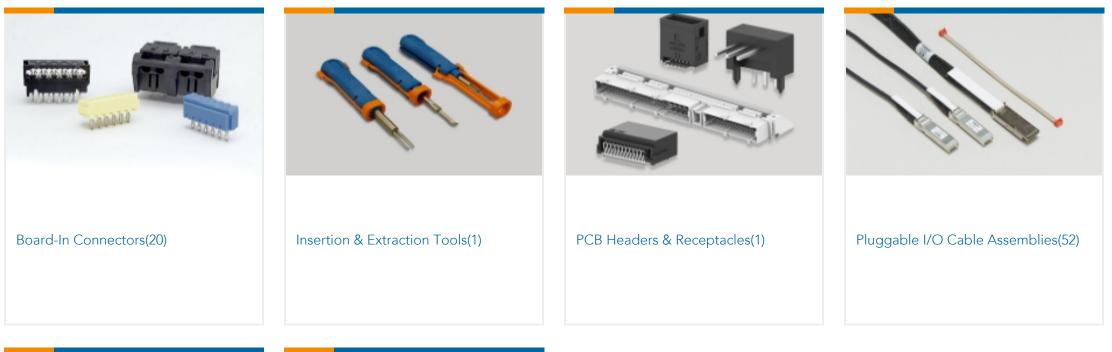
# **Compatible Parts**

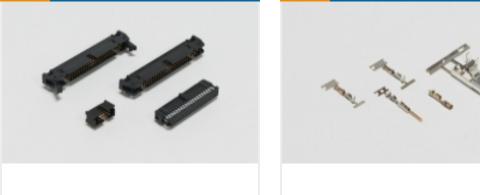
Ribbon Cable Connectors, Cable-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Micro-MaTch Industrial





# Also in the Series Micro-MaTch Industrial

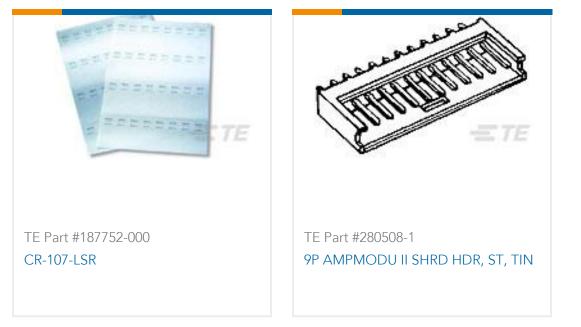






# Customers Also Bought





Ribbon Cable Connectors, Cable-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Micro-MaTch Industrial



# Documents

Product Drawings MICRO-MATCH FSID P

English

# **CAD** Files

3D PDF

3D

Customer View Model ENG\_CVM\_CVM\_7-215460-6\_J.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-215460-6\_J.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_7-215460-6\_J.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

Micro-MaTch Catalog

English

**Ribbon Cable Interconnect Solutions** 

English

#### **Centerline Micro-Match Connector Series**

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Product Specifications Product Specification

English

Product Environmental Compliance MD\_7-215460-6\_12302013634\_dmtec

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Agency Approvals UL Report

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