



Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors >  
Female-on-Board Connector, Top Entry



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

Number of Positions: **6**

Centerline (Pitch): **1.27 mm [.05 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All Female-on-Board Connector, Top Entry \(67\)](#)

Features

Product Type Features

Ribbon Cable Connector Type	Female-on-Board
Ribbon Cable Connector Header Type	Shrouded
Connector Product Type	Connector Assembly
Connector System	Board-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	6
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC

Body Features

Daisy Chain	Without
Primary Product Color	Red



Connector Profile	Standard
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Contact Features

PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[118.11 – 196.85 µin]
Contact Type	Socket
Contact Mating Area Plating Material Thickness	3 – 5 µm[118.11 – 196.85 µin]
Contact Mating Area Plating Material	Tin
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Dual Beam
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

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	.75 mm[.029 in]
Termination Post & Tail Length	5.3 mm[.208 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment	With
Contact Retention Type Within Housing	Press-Fit
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Contact Friction
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Housing Material	PA 4.6
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	12.2 mm[.48 in]
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Connector Height	6.9 mm[.27 in]
PCB Thickness (Recommended)	1.6 mm[.062 in]
Row-to-Row Spacing	2 mm[.059 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Rating	Recognized
Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	900
Packaging Method	Reel

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	Reflow solder capable to 260°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 # CAT-M5833-M2934  
Male-on-Board Connector, Micro-MaTch

TE Part # CAT-M5833-M2934A  
Male-on-Wire Connector, Micro-MaTch

TE Part # 338095-6  
MICRO-MATCH COSIHSG

Also in the Series | Micro-MaTch Industrial

Board-In Connectors(21)

Connector Contacts(4)

Insertion & Extraction Tools(1)

Pluggable I/O Cable Assemblies(52)

Ribbon Cable Connectors(186)

Customers Also Bought


TE Part #2-188275-0  
Female-on-Board Connector, Top Entry

TE Part #2-2337815-2  
MINISAS HD TO MINISAS HD,30AWG, 1M

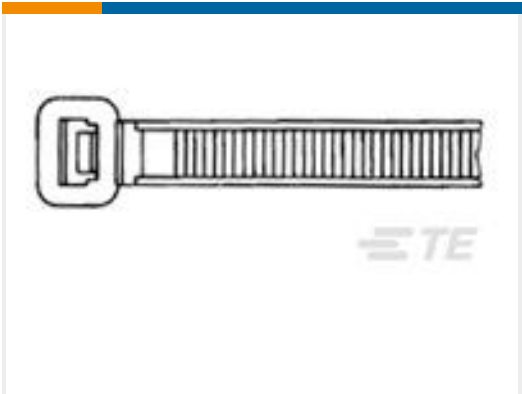
TE Part #175977-2  
040 MLC CAP ASS'Y V 36P

TE Part #1-1719101-1  
PCB 9.5 TERMINAL SN







TE Part #1-966658-1  
32pos MQS .63 header 180deg



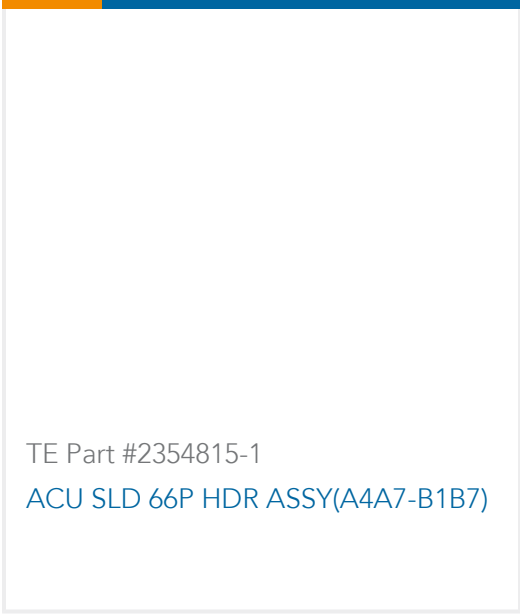
TE Part #2-160967-1  
CABLE TY 98X2.5 NAT



TE Part #1802828-1  
24W TH HEADER ASSY BLACK



TE Part #2-1105870-8  
RSZ.LC.4-10QMM



TE Part #2354815-1  
ACU SLD 66P HDR ASSY(A4A7-B1B7)

Documents

Product Drawings  
MICRO-MATCH SMD FTE  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_338069-6\_K.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_338069-6\_K.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_338069-6\_K.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  
Centerline Micro-Match Connector Series  
English

Product Specifications  
Application Specification  
English

338069-6

Board-to-Board, 6 Position, 1.27 mm [.05 in] Centerline, Vertical, Surface Mount, 2 Row, Receptacle, Micro-MaTch Industrial, Ribbon Cable Connectors

