# 2-530689-6 O DO NOT USE FOR NEW DESIGN

#### **AMP**

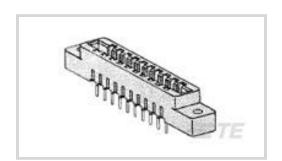
TE Internal #: 2-530689-6

Board-to-Board, 22 Position, 3.96 mm [.156 in] Centerline, Solder Eyelet, 22 Dual Positions, 2 Row, Green, Standard Edge Connectors

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Connectors > PCB Connectors > Card Edge Connectors > Standard Edge Connectors



Connector System: Board-to-Board

Number of Positions: 22

Centerline (Pitch): 3.96 mm [ .156 in ]

Termination Method to Wire & Cable: Solder Eyelet

Number of Dual Positions: 22

## **Features**

## **Product Type Features**

Connector System	Board-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board

## **Configuration Features**

Number of Positions	22
Number of Dual Positions	22
Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical

### **Body Features**

Primary Product Color	Green
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#### **Contact Features**

Contact Retention Within Housing	With
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.76 μm
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material Finish	Bright
Contact Underplating Material	Nickel



Termination Post & Tail Length Termination Method to PCB Through Hole - Solder Termination Method to Wire & Cable  Mechanical Attachment  Mating Retention Mating Alignment Mating Alignment Mount Retention Type Within Housing PCB Mount Alignment Without PCB Mount Retention PCB Mount Retention Type Mounting Ears Connector Mounting Type Board Mount Housing Features  Centerline (Pitch) Housing Material Dimensions  Card Slot Depth Connector Height Row-to-Row Spacing Usage Conditions  Operating Temperature Range Circuit Application  Circuit Application  Circuit Application  Antinous PCB Mount Retention Type Without With Authout With With Authout With With Authout Authout With Authout A		
Contact Current Rating (Max)  Fermination Features  Termination Post & Tail Length Termination Method to PCB Termination Method to PCB Termination Method to Wire & Cable  Mechanical Attachment  Mating Retention Mating Retention Mating Alignment Mount Alignment Mount Alignment Mount Retention Type Within Housing PCB Mount Alignment Without PCB Mount Retention Type Mount Retention Type Connector Mounting Type Board Mount Housing Features  Centerline (Pitch) Housing Material Correct Height Row to Row Spacing Seature Rating (Max)  Departing Lemperature Range Departing Lemperature Range Departing Lemperature Range Decadaging Features  Packaging Quantity  Power  Packaging Quantity  3.81 mm[.15 in] Through Hole - Solder Through Hole Th	PCB Contact Termination Area Plating Material	Tin
Termination Features Termination Post & Tail Length 3.81 mm[.15 in] Termination Method to PCB Through Hole - Solder Termination Method to Wire & Cable Solder Eyelet  Mechanical Attachment  Mating Retartion Without Mating Retartion Without Contact Retention Type Within Housing Locking Lance PCB Mount Alignment Without PCB Mount Alignment Without PCB Mount Retention Type Mounting Ispe Board Mount PCB Mount Retention Type Mounting Ears Connector Mounting Iype Board Mount Housing Features  Centerline (Pitch) 3.96 mm[.156 in] Housing Material Glass Filled Polyester  Dimensions  Card Slot Depth 7.49 mm[.29 in] Connector Height 11.68 mm[.46 in] Row-to-Row Spacing 5.08 mm[.2 in]  Jasee Conditions  Operating Temperature Range -55 – 105 "C[-6/ – 221 "T]  Departion/Application  Circuit Application Power  Packaging Features  Packaging Quantity 90	Contact Base Material	Phosphor Bronze
Termination Post & Tail Length Termination Method to PCB Through Hole Solder Termination Method to Wire & Cable  Mechanical Attachment  Mating Retention Mating Alignment Without Contact Retention Type Within Housing PCB Mount Alignment Without PCB Mount Retention PCB Mount Retention Type Mounting Type Thousing Features  Centerline (Pitch) Housing Material Connector Mounting Mounting Type Mounting Ears  Centerline (Pitch) A 996 mm(.156 in)  1.68 mm(.29 in)  Mounting Type Mounting Type Mounting Type Mounting Type Mounting Ears  Centerline (Pitch) A 996 mm(.29 in)  Mounting Ears  A 906 mm(.2 in)  Mounting Ears  A 907 mm(.29 in)  Mounting Ears  A 907 mm(.29 in)  Mounting Ears  A 908 mm(.2 in)  A	Contact Current Rating (Max)	5 A
Termination Method to PCB Termination Method to Wire & Cable  Mechanical Attachment  Mating Retention Mating Alignment Mating Alignment Mount Alignment Mount Alignment Mount Retention Type Within Housing PCB Mount Alignment Without  PCB Mount Retention Type Mounting Ears Connector Mounting Type  Connector Mounting Type  Contact Retention Type Board Mount  Contact Retention Type Mounting Ears Connector Mounting Type Board Mount  Contact Retention Type Board Mount  Connector Mounting Type Board Mount  Contact Retention  Contact Retention Type Board Mount  Contact Retention Type Board Mount  Contact Retention Type Board Mount  Contact Retention  Circuit Application  Power  Packaging Features  Packaging Quantity  90	Termination Features	
Termination Method to Wire & Cable  Mechanical Attachment  Mating Retention  Mating Alignment  Contact Retention Type Within Housing  PCB Mount Alignment  Without  Mount Alignment  Without  Mount Alignment  Without  PCB Mount Retention  PCB Mount Retention Type  Mounting Ears  Connector Mounting Type  Board Mount  Housing Features  Centerline (Pitch)  Housing Material  Connector Height  Connector Height  Annex Spacing  Disease Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Packaging Gouantity  Packaging Quantity  Without  Without  Without  Without  Without  Another  Without  Without  Without  Without  Without  Alocking Lance  Without  Without  Alocking Lance  Without  Without  Alocking Lance  Without  Alocking Lance  Without  Without  Alocking Lance  Without  Without  Alocking Lance  Without  Alocking Lance  Without  Without  Alock	Termination Post & Tail Length	3.81 mm[.15 in]
Mating Retention Without  Mating Alignment Without  Contact Retention Type Within Housing Locking Lance  PCB Mount Alignment Without  PCB Mount Retention PCB Mount Retention Type Mounting Ears  Connector Mounting Type Board Mount  Housing Features  Centerline (Pitch) Housing Material  Card Slot Depth Connector Height Row-to-Row Spacing  Juage Conditions  Circuit Application  Circuit Application  Packaging Features  Without  Without Without  Mounting Ears  Would Without  Without  Witho	Termination Method to PCB	Through Hole - Solder
Mating Retention Without  Mating Alignment Without  Contact Retention Type Within Housing Locking Lance  PCB Mount Alignment Without  PCB Mount Retention  PCB Mount Retention Type Mounting Ears  Connector Mounting Type Board Mount  Housing Features  Centerline (Pitch) 3.96 mm[.156 in]  Housing Material Glass Filled Polyester  Dimensions  Card Slot Depth 7.49 mm[.29 in]  Connector Height 11.68 mm[.46 in]  Row-to-Row Spacing 5.08 mm[.2 in]  Usage Conditions  Operating Temperature Range 5.55 – 105 °C[-67 – 221 °F]  Operation/Application Power  Packaging Features  Packaging Features  Packaging Gountity 90	Termination Method to Wire & Cable	Solder Eyelet
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PCB Mount Retention Type Mounting Ears Connector Mounting Type Board Mount Housing Features Centerline (Pitch) 3.96 mm[.156 in] Housing Material Glass Filled Polyester Card Slot Depth 7.49 mm[.29 in] Connector Height 11.68 mm[.46 in] Row-to-Row Spacing 5.08 mm[.2 in] Usage Conditions Operating Temperature Range 555 – 105 °C[-67 – 221 °F] Operation/Application Circuit Application Power Packaging Features Packaging Guantity 90	Contact Retention Type Within Housing	Locking Lance
PCB Mount Retention Type Connector Mounting Type Board Mount Housing Features  Centerline (Pitch) Housing Material Card Slot Depth Connector Height Row-to-Row Spacing Operating Temperature Range Operating Temperature Range Operation/Application Circuit Application Packaging Guantity Packaging Quantity  Mounting Ears Board Mount	PCB Mount Alignment	Without
Connector Mounting Type  Housing Features  Centerline (Pitch)  Housing Material  Card Slot Depth  Connector Height  Connector Height  Row-to-Row Spacing  Operating Temperature Range  Operation/Application  Circuit Application  Packaging Quantity  Board Mount  3.96 mm[.156 in]  Glass-Filled Polyester  Flackaging Quantity  Board Mount  3.96 mm[.156 in]  Glass-Filled Polyester  7.49 mm[.29 in]  Flackaging Material  Flackaging Material  Somm[.2 in]  Flackaging Mountity  Board Mount  Flackaging Mounting  Flackaging Guantity  Board Mount  Flackaging Mounting  Flackaging Mounting  Board Mount  Flackaging Mounting  Flac	PCB Mount Retention	With
Centerline (Pitch) Centerline (Pitch) As 3.96 mm[.156 in] Housing Material Climensions  Card Slot Depth Connector Height Connector Height Row-to-Row Spacing Coperating Temperature Range Circuit Application  Circuit Application  Packaging Features Packaging Quantity  3.96 mm[.156 in] Glass-Filled Polyester  7.49 mm[.29 in] 7.49 mm[.29 in] 5.08 mm[.2 in] 5.08 mm[.2 in]  Power  Power  Power  Packaging Guantity 90	PCB Mount Retention Type	Mounting Ears
Centerline (Pitch)  Housing Material  Card Slot Depth  Connector Height  Row-to-Row Spacing  Operating Temperature Range  Circuit Application  Circuit Application  Packaging Features  Packaging Quantity  3.96 mm[.156 in]  Glass-Filled Polyester  7.49 mm[.29 in]  8.00 mm[.20 in]  8.00 mm[.20 in]  9.00 mm[.20 in]	Connector Mounting Type	Board Mount
Housing Material  Card Slot Depth Connector Height Row-to-Row Spacing  Operating Temperature Range  Circuit Application  Packaging Features  Packaging Quantity  Glass-Filled Polyester  7.49 mm[.29 in]  7.49 mm[.20 in]  8.40 mm[.20 in]  8.40 mm[.20 in]  8.40 mm[.20 in]  9.40 mm[.20 in]  8.40 mm[.20 in]  9.40 mm[	Housing Features	
Card Slot Depth 7.49 mm[.29 in] Connector Height 11.68 mm[.46 in] Row-to-Row Spacing 5.08 mm[.2 in]  Usage Conditions Operating Temperature Range -55 – 105 °C[-67 – 221 °F] Operation/Application Circuit Application Power  Packaging Features Packaging Quantity 90	Centerline (Pitch)	3.96 mm[.156 in]
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Connector Height 11.68 mm[.46 in]  Row-to-Row Spacing 5.08 mm[.2 in]  Usage Conditions  Operating Temperature Range -55 - 105 °C[-67 - 221 °F]  Operation/Application  Circuit Application Power  Packaging Features  Packaging Quantity 90	Dimensions	
Row-to-Row Spacing  Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Packaging Features  Packaging Quantity  5.08 mm[.2 in]  5.08 mm[.2 in]  Four Power  90	Card Slot Depth	7.49 mm[.29 in]
Usage Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Packaging Features  Packaging Quantity  90	Connector Height	11.68 mm[.46 in]
Operating Temperature Range -55 – 105 °C[-67 – 221 °F]  Operation/Application  Circuit Application Power  Packaging Features  Packaging Quantity 90	Row-to-Row Spacing	5.08 mm[.2 in]
Operation/Application Circuit Application Packaging Features Packaging Quantity 90	Usage Conditions	
Circuit Application Power  Packaging Features  Packaging Quantity 90	Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Packaging Features Packaging Quantity 90	Operation/Application	
Packaging Quantity 90	Circuit Application	Power
	Packaging Features	
Packaging Method Box	Packaging Quantity	90
	Packaging Method	Box

## **Product Compliance**

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



EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°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

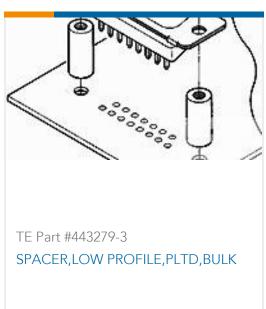
## Compatible Parts



## Customers Also Bought



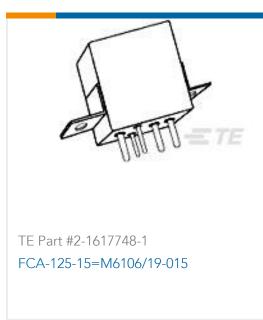




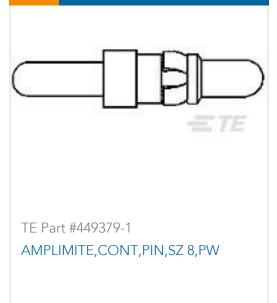














### **Documents**

## **Product Drawings**

CONN LOW PRO 22 POS 156X200C/L

English

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2-530689-6\_N.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-530689-6\_N.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-530689-6\_N.3d\_stp.zip

English

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

**Product Specifications** 

Board-to-Board, 22 Position, 3.96 mm [.156 in] Centerline, Solder Eyelet, 22 Dual Positions, 2 Row, Green, Standard Edge Connectors



## **Product Specification**

English