



AMP | Circular Plastic Connectors Series 1, AMP Circular Plastic Connectors

TE Internal #: 182916-1

16 Position Circular Power Connector, Housing, 600 VDC, Wire-to-Wire, Wire & Cable, Receptacle, Pin, Power & Signal, AMP Circular Plastic Connectors

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Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

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

Number of Positions: **16**

Sealable: **No**

Features

Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Reverse Numbering	Without
Number of Positions	16
Number of Power Positions	0
Number of Signal Positions	16

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features



Reverse Gender	No
Contact Type	Pin
Contact Protection	With

Mechanical Attachment

Mating Retention Type	Threaded Coupling
Thread Size	15/16-20 UNEF – 2A
Panel Mount Feature Type	Flange with Mounting Holes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	17

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	None

Operation/Application

Circuit Application	Power & Signal
Shielded	No

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	100
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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



Also in the Series | AMP Circular Plastic Connectors



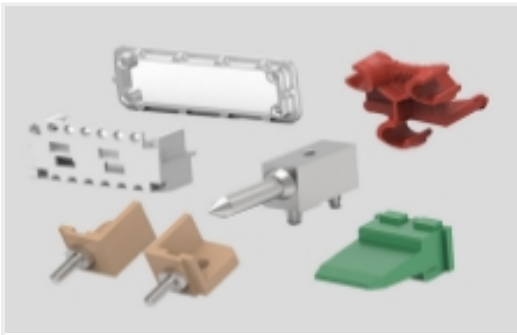
Circular Connector Backshells & Clamps(1)



Circular Power Connectors(211)



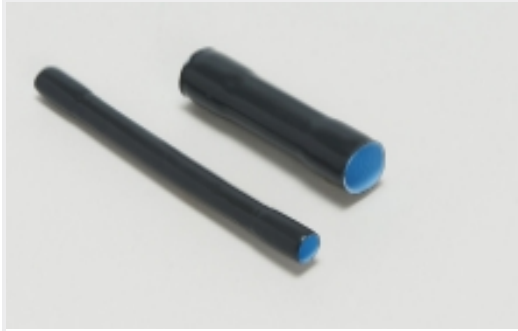
Connector Contacts(260)



Connector Hardware(10)



Power Contacts(260)



Sealing Sleeves(2)

Also in the Series

Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

Customers Also Bought



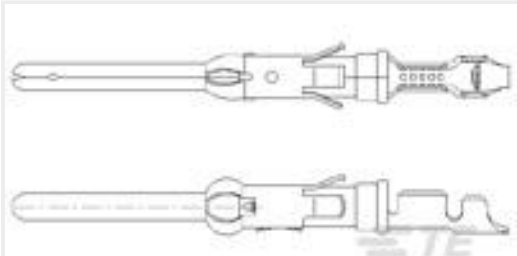
TE Part #2180313001
55A0811-18-6



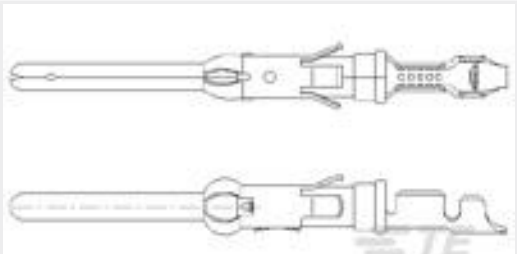
TE Part #F78985-000
B-155-07-100-18-9



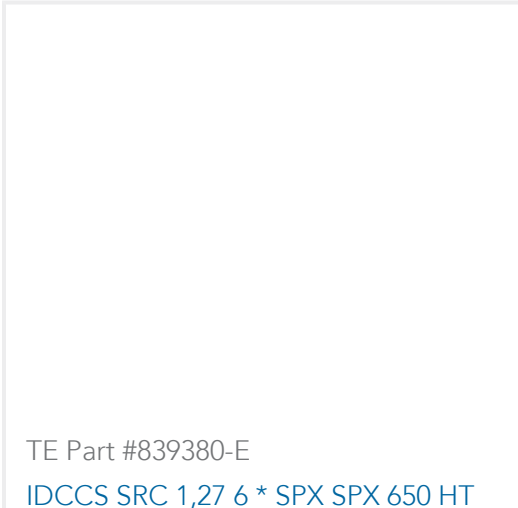
TE Part #NB10364001
ATUM-24/8-0-SP



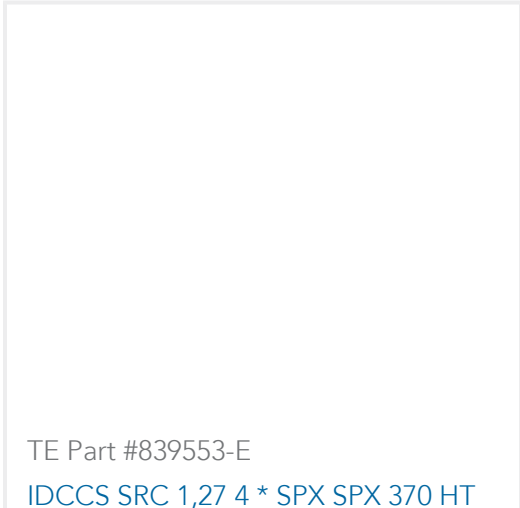
TE Part #163082-1
PIN, MALE



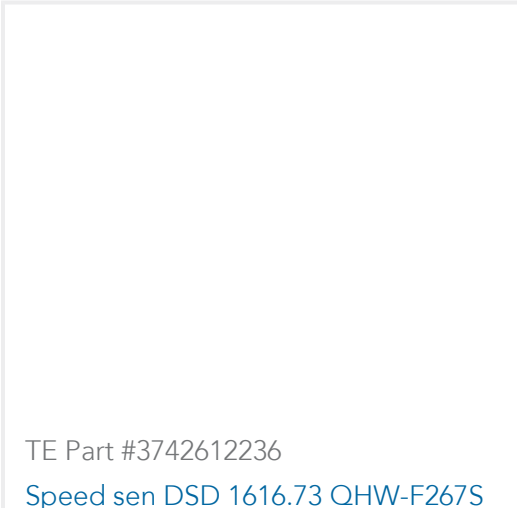
TE Part #1-163086-0
SPEC. PLATED



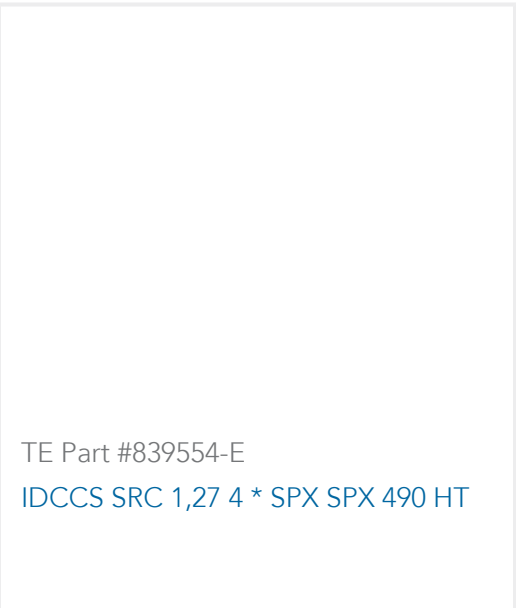
TE Part #839380-E
IDCCS SRC 1,27 6 * SPX SPX 650 HT



TE Part #839553-E
IDCCS SRC 1,27 4 * SPX SPX 370 HT



TE Part #3742612236
Speed sen DSD 1616.73 QHW-F267S



Documents

Product Drawings
CPC SQ.FL.RCPT STD SEX
English

CAD Files
3D PDF
English
Customer View Model
ENG_CVM_182916-1_B3.2d_dxf.zip
English
Customer View Model
ENG_CVM_182916-1_B3.3d_igs.zip
English
Customer View Model
ENG_CVM_182916-1_B3.3d_stp.zip
English
3D PDF
3D

Customer View Model
ENG_CVM_CVM_182916-1_B.2d_dxf.zip
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ENG_CVM_CVM_182916-1_B.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_182916-1_B.3d_stp.zip
English

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Agency Approvals
UL Report
English