

[Connectors](#) > [D-Shaped Connectors](#) > [D-Sub Connectors](#) > [IDC D-Sub Connectors](#)Connector Style: **Plug**Shielded: **No**Connector System: **Cable-to-Cable**Number of Positions: **80**Centerline (Pitch): **1.27 mm [.05 in]**

## Features

### Product Type Features

Product Type	Connector
Connector Style	Plug
Shielded	No
Connector System	Cable-to-Cable
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	80
Number of Rows	2

### Body Features

Cover Material	Glass-filled PBT
Color	Black

### Contact Features

Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.3 µm
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A, 1 A

### Mechanical Attachment

Mating Connector Lock	With
Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Color	Black
Housing Material	Thermoplastic , GF
Centerline (Pitch)	1.27 mm[.05 in]

### Dimensions

Insulation Diameter (Max)	.7 mm
Accepts Wire Insulation Diameter Range	.5 – .7 mm

### Usage Conditions

Housing Material Temperature	Standard
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

### Operation/Application

Circuit Application	Signal
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### Industry Standards

Cover Flammability Rating	UL 94V-0
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	800
Packaging Method	Kit

### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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: JAN 2019 (197) Candidate List Declared Against: JUN 2016 (169)
Halogen Content	Not Low Halogen - contains Br or Cl > 900

ppm.

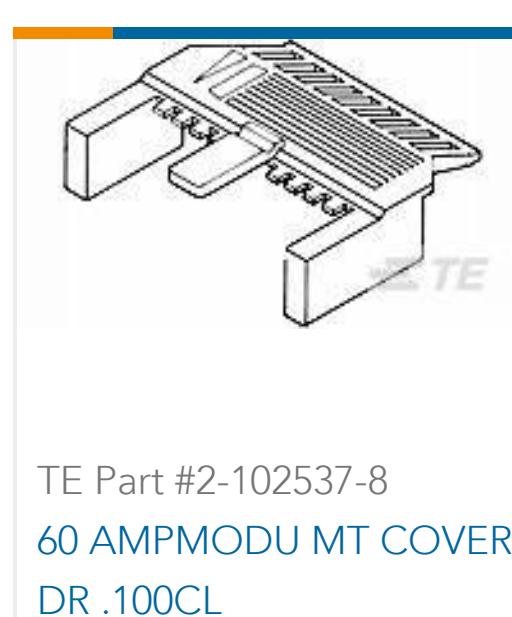
Solder Process Capability

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Customers Also Bought

TE Part #1827059-3  
Std HDMI, RA, SMTTE Part #5-5179232-4  
0.8FH,R09H.5,100,08/Sn,  
TU,SCTE Part #6-5179230-4  
0.8FH,P08H.5,100,08/Sn,  
TU,SCTE Part #1-2270024-3  
PIN CONN. KITS, PV4-  
S1M2.5TE Part #1-2270025-3  
SOCKET CONN. KITS,  
PV4-S1F2.5TE Part #2-102537-8  
60 AMPMODU MT COVER  
DR .100CLTE Part #2-1985834-0  
FOSM ODC LEAD 5.5  
2PLUG-LC/DPX 20.0MTE Part #4-826629-0  
40P AMPMODU II STIFT  
LEITE Part #5-104305-1  
10 AMPMODU MT ASSY  
DR.100CL SNTE Part #5767094-6  
MICT,RECPT,228,ASY,  
PDNI,EXTD

## Documents

### Product Drawings

#### CHAMP.050 PLUG CONN KIT 80P PB-FREE

English

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### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-5175677-0\\_O.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-5175677-0\\_O.3d\\_jgs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-5175677-0\\_O.3d\\_stp.zip](#)

English