

### Power Double Lock

TE Internal #: 2005249-4

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 2 Position, .156 in [3.96 mm] Centerline,

Power Double Lock

View on TE.com >



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors











Rectangular Power Connector Type: Housing

Connector & Housing Type: Receptacle

Connector System: Wire-to-Panel, Wire-to-Wire

Number of Positions: 2

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

### **Features**

## **Product Type Features**

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	2
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	1
Electrical Characteristics	
Operating Voltage	50 VAC, 300 VAC

Inline

**Contact Features** 

Contact Layout



Termination Method to Wire & Cable Wire/Cable Type Wire Type Wire Type Wire Type Wire Type Wire Type Wire Mount Feature Panel Mount Feature Type Latches Connector Mounting Type Panel Mount Feature Panel Mount Feature Panel Mount Feature Panel Mount Feature Type Latches Connector Mounting Type Panel Mount Pousing Features  Centerline (Pitch) 3,96 mm [,156 in] Housing Color Vellow Housing Material Panel Thickness Wire Type Panel Thickness Length Panel Thickness Sege Conditions Operating Temperature Range Operation/Application Circuit Application Circuit Application Circuit Application Circuit Range Glow Wire Rating Glow Wire Rating Agency/Standard Packaging Features Packaging Method Bag  Bag  Glow Wire Ratures Packaging Method Bag  Bag		
Fermination Features           Termination Method to Wire & Cable         Crimp           Wire Type         Stranded           Wire Type         Stranded           Wechanical Attachment         With           Panel Mount Feature Type         Latches           Corriector Mounting Type         Panel Mount           Housing Features         Panel Mount           Centerline (Pitch)         3.96 mm[156 in]           Housing Color         Yellow           Housing Material         PA 66           Directions         PA 66           Directions         8 – 2 mm[031 – .078 in]           Length         9.94 mm           Panel Thickness         8 – 2 mm[031 – .078 in]           Length         26.1 mm           Description Temperature Range         -30 – 65 °C[-22 – 149 °F]           Operating Temperature Range         -30 – 65 °C[-22 – 149 °F]           Operating Temperature Range         -0 – 65 °C[-22 – 149 °F]           Operating Temperature Range         -0 – 65 °C[-22 – 149 °F]           Operating Temperature Range         -0 – 65 °C[-22 – 149 °F]           Operating Temperature Range         -0 – 65 °C[-22 – 149 °F]           Operating Temperature Range         -0 – 65 °C[-22 – 149 °F]           Operati	Contact Retention Within Housing	Without
Termination Method to Wire & Cable         Crimp           Wire/Cable Type         Discrete Wire           Wire Type         Stranded           Mechanical Attachment         With           Panel Mount Feature Iype         Latches           Connector Mounting Type         Panel Mount           Housing Features         Panel Mount           Centerline (Pitch)         3.96 mm [156 in]           Housing Color         Yellow           Housing Material         PA 66           Dimensions         Panel Thickness           Height         9.94 mm           Panel Thickness         8 – 2 mm [031 – 078 in]           Length         26.1 mm           Usage Conditions         Power & Signal           Operation/Application         Power & Signal           Operation/Application         Power & Signal           Object of Wire Rating         UL 9/V-0           Glow Wire Rating         CWI 7.50°C (Without Hame)           Agency/Standard         CNR, USR           Packaging Method         Bag           Other	Contact Type	Tab
Wire/Cable Type Discrete Wire  Wire Type Stranded  Wechanical Attachment  Panel Mount Feature Type Latches  Connector Mounting Type Panel Mount  Housing Features  Centerline (Pitch) 3.96 mm[.156 in]  Housing Color Yellow  Housing Material Panel Mount  Panel Thickness Panel Mount  Length Panel Thickness Panel Mount  Usage Conditions  Operating Temperature Range Panel Mount  Discrete Wire Rating Wire Rating Wire Rating Wire Rating GWT 750°C (Without Flame)  Agency/Standard Number  Agency/Standard Conk, USR  Packaging Features  Packaging Method Discrete Wire Agency Packaging Method  Discrete Wire Agency Panel  Stranded Panel Thickness Panel  Discrete Wire Agency Panel  With Panel Mount Panel  With Panel  Wit	Termination Features	
Wire Type  Mechanical Attachment  Panel Mount Feature Type Panel Mount Feature Panel Mount Feature Type Panel Mount Feature Panel Mount Feature Panel Mount Feature Panel Panel Panel Panel Panel Mousing Material Panel Thickness Panel Panel Panel Panel Panel Thickness Panel Panel Panel Panel Thickness Panel	Termination Method to Wire & Cable	Crimp
Mechanical Attachment  Ponel Mount Feature Panel Mount I eature Type Latches Connector Mounting Type Panel Mount Pousing Features  Centerline (Pitch) Panel Mount Pousing Color Pousing Material Pousing Material Panel Thickness Panel Thickness Panel Mount Panel Thickness Panel Thickness Panel Thickness Panel Thickness Poperation (Perpendicular Range Poperation (Paperature Range) Poper	Wire/Cable Type	Discrete Wire
Panel Mount Feature Type Connector Mounting Type Housing Features Centerline (Pitch) Housing Color Housing Material Panel Mount Panel Mount Panel Mount Power & Signal Powe	Wire Type	Stranded
Panel Mount Feature Type Connector Mounting Type Panel Mount  Panel Flickh Panel Flow Panel Mount  Panel Thickness Panel T	Mechanical Attachment	
Connector Mounting Type  flousing Features  Centerline (Pitch)  Housing Color  Housing Material  PA 66  Cimensions  Height  Panel Thickness  8-2 mm[.031078 in]  Length  Length  Jasge Conditions  Operating Temperature Range  Operation/Application  Circuit Application  Output Signal  Out	Panel Mount Feature	With
Centerline (Pitch) Agency/Standard  Conterline (Pitch) Agency/Standard  Agency/Standard  Conterline (Pitch) Agency/Standard  Agency/Standard  Conterline (Pitch) Agency/Standard  Agency/Standard  Agency/Standard  Agency/Standard  Conterline (Pitch) Agency/Standard  Agency	Panel Mount Feature Type	Latches
Centerline (Pitch) Housing Color Housing Material PA 66  Dimensions Height Panel Thickness Length Poperation/Application Circuit Application Circuit Application Oliver Rating Glow Wire Rating Agency/Standard Number Agency/Standard Agency/Standard Agency/Standard Packaging Method Agency/Standard Circuit Agency/Standard Agency/Standar	Connector Mounting Type	Panel Mount
Housing Color Housing Material Pan 66  Dimensions Height Panel Thickness Length Pasel Conditions  Operating Temperature Range Operation/Application Circuit Application UL Flammability Rating Glow Wire Rating Agency/Standard Agency/Standard Agency/Standard Packaging Features Packaging Method  Dimensions  Yellow Pan 66 Pan 70 Pan 7	Housing Features	
Housing Material PA 66  Dimensions  Height 9.94 mm  Panel Thickness 8.2 mm[.031078 in] Length 26.1 mm  Usage Conditions  Operating Temperature Range 3.0 - 65 °C[-22 - 149 °F]  Operation/Application  Circuit Application Power & Signal nutstry Standards  UL Flammability Rating UL 94V-0 Glow Wire Rating GWT 750°C (Without Flame) Agency/Standard Number C22.2 No. 182.3, UL 1977 Agency/Standard Packaging Features  Packaging Method Bag  Other	Centerline (Pitch)	3.96 mm[.156 in]
Height 9.94 mm  Panel Thickness 8.9 mm [.031078 in]  Length 26.1 mm  Usage Conditions  Operating Temperature Range 30 - 65 °C[-22 - 149 °F]  Operation/Application  Circuit Application  Power & Signal  Industry Standards  UL 94V-0  Glow Wire Rating GWT 750°C (Without Flame)  Agency/Standard Number C22.2 No. 182.3, UL 1977  Agency/Standard  Packaging Features  Packaging Method Bag	Housing Color	Yellow
Height 9,94 mm Panel Thickness 8.8 – 2 mm[.031 – .078 in] Length 26.1 mm  Usage Conditions Operating Temperature Range -30 – 65 °C[-22 – 149 °F] Operation/Application Circuit Application Circuit Application OUL Flammability Rating UL 94V-0 Glow Wire Rating GWT 750°C (Without Flame) Agency/Standard Number C22.2 No. 182.3, UL 1977 Agency/Standard Packaging Features Packaging Method Discreption of the control o	Housing Material	PA 66
Panel Thickness	Dimensions	
Length Usage Conditions Operating Temperature Range Operation/Application Circuit Application Power & Signal UL Flammability Rating UL P4V-0 Glow Wire Rating Glow Wire Rating Agency/Standard Number Agency/Standard Cackaging Features Packaging Method Other	Height	9.94 mm
Operating Temperature Range -30 – 65 °C[-22 – 149 °F]  Operation/Application  Circuit Application Power & Signal  UL Flammability Rating UL 94V-0  Glow Wire Rating GWT 750°C (Without Flame)  Agency/Standard Number C22.2 No. 182.3, UL 1977  Agency/Standard  Packaging Features  Packaging Method Bag  Other	Panel Thickness	.8 – 2 mm[.031 – .078 in]
Operating Temperature Range  Operation/Application  Circuit Application  Power & Signal  UL 94V-0  Glow Wire Rating  Glow Wire Rating  Agency/Standard Number  Agency/Standard  Packaging Features  Packaging Method  Discrete Figure 1.49 °F]  Packaging Method  Agency/Standard Security 1.49 °F]  Operation/Application  Power & Signal  GWT 750°C (Without Flame)  C22.2 No. 182.3, UL 1977  CNR, USR  Packaging Features  Packaging Method  Bag  Other	Length	26.1 mm
Circuit Application Power & Signal  Industry Standards  UL Flammability Rating UL 94V-0  Glow Wire Rating GWT 750°C (Without Flame)  Agency/Standard Number C22.2 No. 182.3, UL 1977  Agency/Standard CNR, USR  Packaging Features  Packaging Method Bag  Other	Usage Conditions	
Circuit Application Power & Signal  ndustry Standards  UL Flammability Rating UL 94V-0  Glow Wire Rating GWT 750°C (Without Flame)  Agency/Standard Number C22.2 No. 182.3, UL 1977  Agency/Standard CNR, USR  Packaging Features  Packaging Method Bag  Other	Operating Temperature Range	-30 – 65 °C[-22 – 149 °F]
ndustry Standards  UL Flammability Rating  Glow Wire Rating  Agency/Standard Number  Agency/Standard  CNR, USR  Packaging Features  Packaging Method  Bag  Other	Operation/Application	
UL Flammability Rating Glow Wire Rating Glow Wire Rating Agency/Standard Number C22.2 No. 182.3, UL 1977 Agency/Standard CNR, USR Packaging Features Packaging Method Bag Other	Circuit Application	Power & Signal
Glow Wire Rating  Agency/Standard Number  Agency/Standard  C22.2 No. 182.3, UL 1977  CNR, USR  Packaging Features  Packaging Method  Bag  Other	ndustry Standards	
Agency/Standard Number C22.2 No. 182.3, UL 1977  Agency/Standard CNR, USR  Packaging Features  Packaging Method Bag  Other	UL Flammability Rating	UL 94V-0
Agency/Standard  Packaging Features  Packaging Method  Bag  Other	Glow Wire Rating	GWT 750°C (Without Flame)
Packaging Features Packaging Method Bag Other	Agency/Standard Number	C22.2 No. 182.3, UL 1977
Packaging Method  Bag  Other	Agency/Standard	CNR, USR
Other	Packaging Features	
	Packaging Method	Bag
For Use With Contacts: 177916 or 177917, Double Lock	Other	
	For Use With	Contacts: 177916 or 177917, Double Lock



Plate 177918-1 or (GWT) 368590-1, Plug (GWT): 2005247

## **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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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 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 # 2005247-9 PDL 2P PLUG 3.96(GWT) BLK

Also in the Series | Power Double Lock





Connector Contacts(1)



Insertion & Extraction Tools(2)



Power Contacts(23)



Rectangular Connector Locking(14)



# Customers Also Bought



TE Part #1-368589-6
PDL 4P CAP 3.96 D/R P/M(GWT) B



TE Part #2005250-1
PDL 3P CAP 3.96 P/M(GWT) NAT



TE Part #2005249-1
PDL 2P CAP 3.96 P/M(GWT) NAT



TE Part #1-368575-6 Glow Wire Power Double Lock Plug



TE Part #2005249-6
PDL 2P CAP 3.96 P/M(GWT) BLU



## **Documents**

**Product Drawings** 

PDL 2P CAP 3.96 P/M(GWT) YEL

English

**CAD Files** 

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2005249-4\_B.2d\_dxf.zip



English

**Customer View Model** 

ENG\_CVM\_CVM\_2005249-4\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2005249-4\_B.3d\_stp.zip

English

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

**Product Specifications** 

**Application Specification** 

English

**Product Environmental Compliance** 

**Product Compliance** 

English

**Product Compliance** 

English

**Agency Approvals** 

**UL Report** 

English