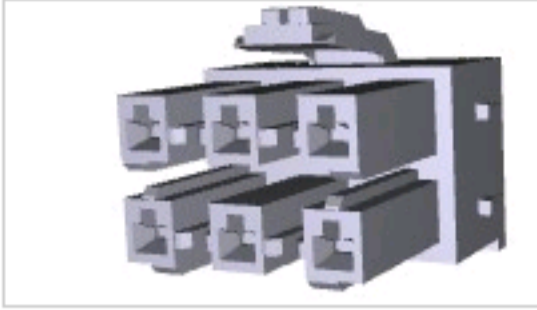




2005252-1 Product Details

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✓ Active

Power Double-Lock Connectors

PDL 6P PLUG 6.5 D/R(GWT) NAT

2005252-1

TE Internal Number: 2005252-1

Product Highlights [View All](#)

- Wire-to-Board
- Applies To Wire/Cable
- Connector
- Housing
- Connector Style = Plug

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Please Note:

Use the Product Drawing for all design activity

Product Type Features	
Product Type	Connector
Connector Type	Housing
Wire/Cable Type	Discrete Wire
Sealed	No

Mechanical Attachment	
Mating Retention Type	Latch(ing)

Electrical Characteristics	
Operating Voltage Reference	AC
Operating Voltage (VAC)	300

Termination Features	
Termination Method to Wire/Cable	Crimp

Body Features	
Wire Type	Stranded
Mating Retention	With

Contact Features	
Contact Type	Socket
Contact Layout	Matrix

Housing Features	
Connector Style	Plug
Centerline, Matrix (mm [in])	6.5 x 6.5 [.256 x .256]
Housing Material	PA66
Housing Color	Natural
Mating Alignment	With
Mating Alignment Type	Polarization

Configuration Features	
Number of Positions	6
Number of Rows	2
Number of Double-Lock Plates Required	2

Industry Standards	
RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Not relevant for lead free process
RoHS/ELV Compliance History	Always was RoHS compliant
Agency/Standard	CNR, USR
UL File Number	C22.2 No. 182.3, UL 1977
UL Flammability Rating	UL 94V-0

Environmental	
Operating Temperature (°C [°F])	65 [149]

Conditions for Usage	
Applies To	Wire/Cable
Glow Wire Rating	Glow Wire
For Use With	Contacts: 177914 or 177915, Double Lock Plate 316062-1, Header: 179849

Operation/Application	
Application Use	Wire-to-Board
Contact Transmits (Typical Application)	Signal (Data)/Power

Other	
Brand	TE Connectivity
Comment	Double lock plates should certainly be used when mfging. cable assemblies.

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