



# 1-2103212-7 Product Details

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## Manual Service Disconnect (MSD)

Plug Assembly, Shunt, MSD

**1-2103212-7**

TE Internal Number: 1-2103212-7

Active

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**Product Highlights** [View All](#)

- AMP+ MSD Product Line
- HV battery pack or remote location, Energy Storage Systems (ESS)
- Connector
- Connector Assembly
- Connector Style = Plug

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**Please Note:**  
Use the Product Drawing for all design activity

**Product Type Features**

Product Line	AMP+ MSD
Product Type	Connector
Connector Type	Connector Assembly
Integrated Fuse	Without
Sealed	Yes

**Mechanical Attachment**

Mating Retention Type	Lever
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**Electrical Characteristics**

Voltage Rating (Max.) (VDC)	450
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**Termination Features**

Seal Type	Peripheral
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**Dimensions**

Length (X-Axis) (mm [in])	111.20 [4.377]
Width (Z-Axis) (mm [in])	109.90 [4.326]
Profile Height (Y-Axis) (mm [in])	58.90 [2.318]

**Body Features**

Mating Retention	With
Lever Color	Black

**Contact Features**

Shunts/Shorting Bars	Shorting Bar(s), Shunt(s)
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**Housing Features**

Connector Style	Plug
High Voltage Interlock	With
Mating Alignment	With
Mating Alignment Type	Polarization Slot
Housing Color	Orange/Black

**Industry Standards**

RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Not reviewed for lead free solder process
RoHS/ELV Compliance History	Always was RoHS compliant
Degree of Protection	IP2xB Unmated, IPx7, IP6k9k Mated
Agency/Standard	IEC 60529, SAE/USCAR-37, SAE/USCAR-2

**Environmental**

Operating Temperature (°C [°F])	-40 - +65 [-40 - +149]
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**Operation/Application**

Application Use	HV battery pack or remote location, Energy Storage Systems (ESS)
Application	High Voltage Accessory (HVA) / Device Interconnect
Industry Application	Automotive High Voltage

**Packaging Features**

Packaging Method	Box/Carton
Packaging Quantity	9

**Other**

Industry	Automotive
Brand	TE Connectivity
Comment	Internal components of MSD are not servicable.; HVIL: 2x integrated, internal.; Current rating based on fuse selection.

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