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**Part Number:** [78453-2501](#)  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connectors and Cable Assemblies  
**Description:** Impact™ 5 Pair, Right Angle Power Header, Integrated Guide Module w/ESD clip, 2.00mm Pitch, Module 1: Blade A1 & A2, B1 & B2 Length 6.90mm; Press-Fit, LCP, Glass Filled UL94-V0, Black, Tray Packaging, Lead-Free, key orientation E

**Documents:**

[3D Model](#) [Product Specification PS-78213-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
 Series [78453](#)  
 Application Conventional, Coplanar  
 Application Tooling Documents TM-622018799  
 Component Type Power Header  
 Overview [Impact™ Backplane Connectors and Cable Assemblies](#)  
 Product Name Impact™  
 Style N/A  
 UPC 884982760424

**Physical**

Circuits (Loaded) 4  
 Circuits (maximum) 4  
 Color - Resin Black  
 Durability (mating cycles max) 200  
 First Mate / Last Break No  
 Flammability 94V-0  
 Guide to Mating Part Yes  
 Keying to Mating Part None  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 19.506/g  
 Number of Columns N/A  
 Number of Pairs 5  
 Number of Rows 2  
 Orientation Right Angle  
 PC Tail Length 2.50mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 5.20mm  
 Pitch - Termination Interface 2.00mm, 3.20mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 2.540µm  
 Polarized to PCB No  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -55°C to +85°C

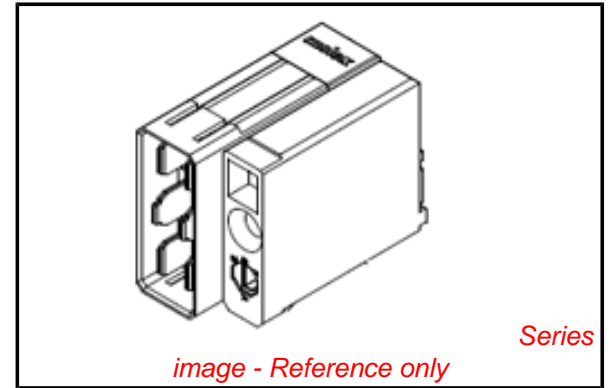


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[78453Series](#)

**Mates With**

[78216 Impact™ Vertical Receptacles](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

Description	Product #
Press-In Tool for Power Module Assembly	<a href="#">0622018668</a>

Termination Interface: Style

Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact

25A

Data Rate

N/A

Shield Type

N/A

Shielded

No

Voltage - Maximum

250V

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-78213-001

Sales Drawing

SD-78453-001

Symbol/Footprint Data

SYM-78453-2501

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