

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0431782002**
Status: **Active**
Overview: Sabre™ Power Connector
Description: Sabre™ Crimp Terminal, Male, 14-16 AWG or double 18-20 AWG, 4.57mm Max. Insulation Diameter, Reel Packaged, Tin (Sn) Plated Brass Contact

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-44441-9999 \(PDF\)](#) [Product Literature \(PDF\)](#)

General

| | |
|-----------------------------|--|
| Product Family | Crimp Terminals |
| Series | 43178 |
| Application | Power |
| Comments | For double crimping of 18-20 AWG wire in a side-by-side orientation. |
| Crimp Quality Equipment | Yes |
| MolexKits | Yes |
| Overview | Sabre™ Power Connector |
| Product Literature Order No | 987650-5662 |
| Product Name | Sabre™ |
| UPC | 800754378390 |

Physical

| | |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 25 |
| Gender | Male |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Net Weight | 0.565/g |
| Packaging Type | Reel |
| Plating min - Mating | 0.508µm |
| Plating min - Termination | 0.508µm |
| Termination Interface: Style | Crimp or Compression |
| Wire Insulation Diameter | 4.57mm max. |
| Wire Size AWG | 14, 16, 18+18, 20+20 |
| Wire Size mm ² | N/A |

Electrical

| | |
|-------------------------------|-------|
| Current - Maximum per Contact | 18.0A |
| Voltage - Maximum | 600V |

Solder Process Data

| | |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

Material Info

Reference - Drawing Numbers

| | |
|-----------------------|-------------------------------|
| Product Specification | PS-44441-9999, RPSX-44441-001 |
| Sales Drawing | SD-43178-2*** |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2015 June 15): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

[43178](#) Series

Mates With

[43375](#) Female Crimp Terminals

Use With

[43680](#) Plug Housings

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 #

FineAdjust™
Applicator for Male
Flat Blade Crimp
Terminals

[0639013200](#)

| | |
|--|-------------------|
| Terminator Die - Doubles | <u>0638404100</u> |
| T2 Terminator for Male Flat Blade Crimp Terminal | <u>0639113200</u> |
| Hand Crimp Tool for Male Flat Blade Crimp Terminals | <u>0638233100</u> |
| Modular Crimp Head For Hand Crimp Tool for Sabre Male Flat Blade Crimp Terminals | <u>0638233170</u> |
| Manual Activation and Deactivation Tool | <u>0638130600</u> |
| Modular Crimp Head for the Battery 638160200 and Air 638160100 Tools | <u>0638233270</u> |
| Terminator Die - side by Side Insulation | <u>0638404300</u> |
| Tool Kit For Battery Powered Crimp Tool | <u>0638112170</u> |
| Manual Extraction Tool | <u>0638130800</u> |
| Hand Crimp Tool for Male Flat Blade Crimp Terminals | <u>0638233200</u> |
| Terminator Die - Full Radius Insulation & Doubles | <u>0638404200</u> |
| Mini-Mac™ Applicator, For Standard "B" Style Insulation Crimps | <u>0638919100</u> |
| FineAdjust™ Applicator for Male Flat Blade Crimp Terminals | <u>0639013100</u> |

This document was generated on 11/04/2015

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION