molex

Part Number : 431784002

Series Number : 43178

Product Category : Crimp Terminals

Product Description : Sabre Crimp Terminal, Male, 20-18 AWG, 2.50-2.85mm max. Insulation Diameter, Reel Packaged, Tin (Sn) Plated Brass Contact

Status : Active

Documents & Resources

Drawings
Drawing 431784002_sd.pdf
Packaging Design Drawing 431780000-PK-000.pdf

Specifications
Product Specification PS-44441-9999-001.pdf
Test Summary 444410000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	♻
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements
- Eu RoHS

- REACH SVHC

- Low-Halogen

Multiple Part Industry Compliance Documents
- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

Part Details

General

Status	Active
Category	Crimp Terminals
Series	43178
Description	Sabre Crimp Terminal, Male, 20-18 AWG, 2.50-2.85mm max. Insulation Diameter, Reel Packaged, Tin (Sn) Plated Brass Contact
Application	Power, Wire-to-Wire
Product Family	Sabre Power Connector
Product Name	Sabre
UPC	884982063945

Electrical

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

Physical

Durability (mating cycles max)	25
Gender	Male
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.550/g
Packaging Type	Reel
Plating min - Mating	0.508µm
Plating min - Termination	0.508µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	2.50-2.85mm
Wire Size (AWG)	18, 20
Wire Size mm²	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
Sabre Female Crimp Terminals	43375

Use with Part(s)

Description	Part Number
Sabre Plug Crimp Housings	43680

Application Tooling

Global

Description	Part Number
Manual Activation and Deactivation Tool	638130600
Manual Extraction Tool	638130800
Hand Crimp Tool for Crimp Terminals	638233300
FineAdjust Applicator for Male Flat Blade Crimp Terminals	639013300
T2 Terminator	639113300

This document was generated on Sep 16, 2024