molex



Part Number : 39000021
Product Description : SPOX Crimp Terminal, 24-18 AWG, Phosphor Bronze, Reel
Series Number : 5194
Status : Active
Product Category : Crimp Terminals
Engineering Number : 5194PBT
Packaging Alternative : 39000022 (Bag)

Documents & Resources

Drawings

039000021_sd.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

51949200-200.pdf

PS-5195-005-001.pdf

Tooling Specifications

CS-5194-001.pdf

CS-5194(S)-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 47; 34
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Crimp Terminals
Series	5194
Description	SPOX Crimp Terminal, 24-18 AWG, Phosphor Bronze, Reel
Application	Signal
Product Name	SPOX
UPC	800754318242

Electrical

Current - Maximum per Contact	7.0A

Physical

Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min - Mating	0.889µm
Plating min - Termination	0.914µm

Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.30-3.20mm
Wire Size (AWG)	18, 20, 22, 24
Wire Size mm^2	N/A

Mates With / Use With

Use with Part(s)

Description	Part Number
SPOX 3.96mm Pitch Single Row Receptacle Housings	5195
SPOX 5.08mm Pitch Single Row Receptacle Housings	5197
SPOX 5.08mm Pitch Single Row Receptacle Housings	5198

Application Tooling

Global

Description	Part Number
PremiumGrade Hand Crimp Tool for SPOX Terminals, 24-18 AWG	638116500
Extraction and Activation Tool	638132700
FineAdjust Applicator for SPOX Crimp Terminal, Insulation Diameter OD 1.70-2.10mm, 24-18 AWG	639044600
FineAdjust Applicator for Insulation Diameter OD 2.20-2.60mm, 24-18 AWG	639045200
T2 Terminator for 3.96mm Pitch SPOX Crimp Terminal, 24-18 AWG	639145200

Japan

Description	Part Number

Hand Extraction Tool	11260100
S-1 Applicator for SPOX Terminals, 24-20 AWG	2023013700
S-1 Applicator for SPOX Terminals, 18 AWG	2023013710