molex

Part Number : 02091117

Product Description : 2.36mm Diameter, Standard .093" Pin and Socket Crimp Terminal, Series 1381, Female, with Tin (Sn) Plated Brass Contact, 22-18 AWG, Reel

Series Number : 1381

Status : Active

Product Category : Crimp Terminals

Engineering Number : 1381-A(P901)

Packaging Alternative : 02091119 (Bag)

Documents & Resources

Drawings
Drawing_002091117_sd.pdf

Specifications
Product Specification_PS-43660-9999-001.pdf
Test Summary_11890000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
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	1381
Description	2.36mm Diameter, Standard .093" Pin and Socket Crimp Terminal, Series 1381, Female, with Tin (Sn) Plated Brass Contact, 22-18 AWG, Reel
Application	Power, Wire-to-Wire
Product Family	Standard .093" Pin and Socket Connectors
Product Name	Standard .093"
UPC	800753746312

Physical

Durability (mating cycles max)	25
Gender	Female
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	384.000/mg
Packaging Type	Reel
Plating min - Mating	0.508µm
Plating min - Termination	0.508µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.52-3.05mm
Wire Size (AWG)	18, 20, 22
Wire Size mm²	N/A

Solder Process Data

Lead-Free Process Capability	N/A

Use with Part(s)

Description	Part Number
Standard .093" Pin and Socket Dual Row Connector Housings	1261
Standard .093" Pin and Socket 3 Row Connector Housings	1292
Standard .093" Pin and Socket Single Row Connector Housings	1396
Standard .093" Pin and Socket Single Row Connector Housings	1490
Standard .093" Pin and Socket Single Row Connector Housings	1545
Standard .093" Pin and Socket Single Row Connector Housings	1619

Application Tooling

Global

Description	Part Number
Insertion Tool for Standard .093" Pin and Socket Terminals	11020003
Extraction Tool for Standard .093" Pin and Socket Terminals	11030006
Terminator Die	11402002
Extractor Tool for .093 and HCS-125 Product Series	638240200
Hand Crimp Tool for Standard .093" Pin and Socket Crimp Terminals, 18 AWG	638280900
Hand Crimp Tool for .093" Pin and Socket Crimp Terminals, 22 AWG	638281400
Hand Crimp Tool for Standard .093" Pin and Socket Crimp Terminals, 20 AWG	638281700
Mini-Mac Applicator for Standard .093" Pin and Socket Terminals, for 22-18 AWG Wire with Insulation Diameter no greater than 2.29mm MAX	638924000
Mini-Mac Applicator for Standard .093" Pin and Socket Terminals, for 22-18 AWG Wire with Insulation Diameter no greater than 3.05mm MAX	638927000