



Part Number : [765460003](#)

Product Description : 2.54mm, 3.00mm Pitch
EXTreme Ten60Power Vertical Plug Assembly,
20 Signal Circuits, 10 Power Circuits

Series Number : 76546

Status : Active

Product Category : Board-to-Board
Connectors

Documents & Resources

Drawings

[Drawing 765460003_sd.pdf](#)

[Packaging Design Drawing PK-76546-002-001.pdf](#)

3D Models and Design Files

[3D Model 765460003_stp.zip](#)


Specifications

[Application Specification AS-46436-100-001.pdf](#)

[Product Specification PS-46436-100-001.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(2023)3788-DC (14 Jun 2023)
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)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	76546
Description	2.54mm, 3.00mm Pitch EXTreme Ten60Power Vertical Plug Assembly, 20 Signal Circuits, 10 Power Circuits
Application	Board-to-Board
Comments	Short Power: P1P5, P10 Short Signal: S6-S10, S16-S20
Component Type	PCB Header
Product Family	EXTreme Ten60 High-Power Connectors
Product Name	EXTreme Ten60Power
UPC	884982253766

Agency

CSA	LR19980
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Electrical

Current - Maximum per Contact	2.5A, 60.0A
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Physical

Breakaway	No
Circuits (Loaded)	30
Circuits (maximum)	30
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	Yes
Flammability	94V-0
Glow-Wire Capable	No

Guide to Mating Part	Side, Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	33.530/g
Number of Rows	10, 2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.25mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.58mm
Pitch - Mating Interface	2.54mm, 3.00mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	10p - 20s
Termination Interface Style	Solder or Weld, Through Hole

Solder Process Data

Max-Duration	40
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260