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Part Number:

0505978000

Status:

Active

Overview:

CP Wire-to-Board and Wire-to-Wire Connector Systems

Description:

CP-6.5 Wire-to-Board Crimp Terminal, Female, 16-22 AWG, Reel

Documents:

Drawing (PDF)

Product Specification PS-51138-002-001 (PDF)

Product Specification PS-51142-002-001 (PDF)

Product Specification PS-51142-003-001 (PDF)

Packaging Specification 505979200-200 (PDF)

Datasheet (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Crimp Terminals
Series	50597
Application	Power, Wire-to-Board
Comments	See Product Specification for maximum current rating by circuit size and wire AWG
Crimp Quality Equipment	Yes
Overview	CP Wire-to-Board and Wire-to-Wire Connector Systems
Packaging Alternative	505978100 (Loose)
Product Name	CP-6.5
UPC	800754370578
Physical	
Durability (mating cycles max)	30
Gender	Female
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	270.200/mg
Packaging Type	Reel
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	2.00-3.30mm
Wire Size AWG	16, 18, 20, 22
Wire Size mm²	N/A

Electrical	
Current - Maximum per Contact	10.0A
Voltage - Maximum	600V AC (RMS)/DC

Material Info

Reference - Drawing Numbers	
Crimp Specification	CS-50597~50599-001
Packaging Specification	505979200-200
Product Specification	PS-51138-002-001, PS-51142-002-001, PS-51142-003-001
Sales Drawing	505970000-SD-000, SD-50597-8X00-011



Series image - Reference only

EU ELV Not Relevant	
EU RoHS Compliant REACH SVHC Not Contained Per - D(2020)9139-DC (19 Jan 2021) Halogen-Free Status Low-Halogen For more information, please visit Contact US	China RoHS China ROHS ELV RoHS Phthalates
	Green Image Not Relevant Not Contained

Search Parts in this Series
50597 Series

Use With
CP-6.5 Receptacle Housing [151049](#)

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 #
Extraction and Activation Tool	638132700
Hand Crimp Tool 3.96mm Pitch Wire-to-Wire and 6.50mm Pitch Wire-to-BoardCrimp Terminals, 16-18 AWG	638197500
Hand Crimp Tool for 3.96mm Pitch Wire-	638197600

to-Wire and 6.50mm
Pitch Wire-to-Board
Crimp Terminals,
16-20 AWG
Hand Crimp Tool for [638197700](#)
3.96mm Pitch Wire-
to-Wire and 6.50mm
Pitch Wire-to-Board
Crimp Terminals,
16-18 and 22 AWG
Fine Adjust [639012200](#)
Applicator for 3.96
Wire-to-Wire and
Wire-to-Board Crimp
Terminal
FineAdjust Applicator[639012300](#)
for 3.96 Wire-to-Wire
and Wire-to-Board
Crimp Terminal
T2 Terminator for [639112200](#)
3.96mm Wire-to-Wire
and Wire-to-Board
Crimp Terminal
T2 Terminator for [639112300](#)
3.96mm Wire-to-Wire
and Wire-to-Board
Crimp Terminal

Japan	
Description	Product #
S-1 Applicator for CP-6.5 Terminals, 16-18 AWG, UL1007 Wires	573473700
S-1 Applicator for CP-6.5 Terminals, 16-22 AWG, UL1015 Wires	573473710
S-1 Applicator for CP-6.5 Terminals, 16-22 AWG, with Retainer, UL1007 and UL1015 Wires	573473720
Extraction Tool	573476000