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Part Number: [0523168019](#)
Status: **Obsolete**
Description: 1.27mm (.050") Pitch Wire-to-Board Shielded Plug, Dual Row, IDT, 80 Circuits, Lead-free

Documents:
[Drawing \(PDF\)](#)

Agency Certification

UL E29179

General

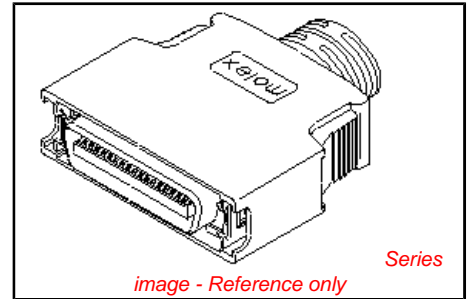
Product Family	I/O Connectors
Series	52316
Application	Wire-to-Board
Component Type	Plug
Product Name	Leaf Style Contact
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Gender	Plug
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
Orientation	N/A
PCB Locator	No
PCB Retention	N/A
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface	1.27mm (.050")
Pitch - Termination Interface	1.27mm (.050")
Plating min - Mating	0.762µm (30µ")
Plating min - Termination	1.016µm (40µ")
Polarized to Mating Part	Yes
Polarized to PCB	No
Ports	1
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	IDT or Pierce
Waterproof / Dustproof	No
Wire Insulation Diameter	0.58mm (.023") max.
Wire Size AWG	28

Electrical

Current - Maximum per Contact	1A
Shield Type	Full Shield
Shielded	Yes



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

52316Series

Mates With

52822 , 54122 , 52986

Voltage - Maximum

250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification

PS-52515-006, PS-52986-017, RPS-52986-032,

RPS-52986-033

Sales Drawing

SD-52316-002

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