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Part Number: **5019205001**
Status: **Active**
Overview: slimstack_050mm_020_pitch
Description: 0.50mm (.020") Pitch SlimStack™ Board-to-Board Plug, SMT, Dual Row, Vertical Stacking, 4.00mm (.157") Stack Height, Without Solder Tabs, 50 Circuits

Documents:

[3D Model](#) [Product Specification PS-52991-009 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	<u>501920</u>
Application	Board-to-Board
Overview	<u>slimstack_050mm_020_pitch</u>
Product Name	SlimStack™

Physical

Breakaway	No
Circuits (Loaded)	40
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height (in)	0.157 In
Mated Height (mm)	4.00 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

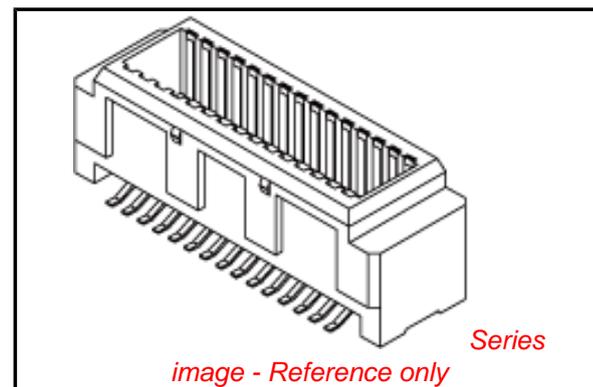
Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-52991-009, RPS-52991-018
Sales Drawing	SD-501920-002, SD-501920-003



EU RoHS

ELV and RoHS Compliant
REACH SVHC
 Not Reviewed
Halogen-Free
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

[501920Series](#)

Mates With

SlimStack™ Receptacle [52991](#) , [54167](#)

This document was generated on 05/26/2010

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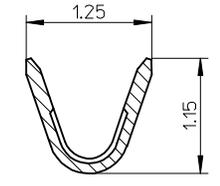
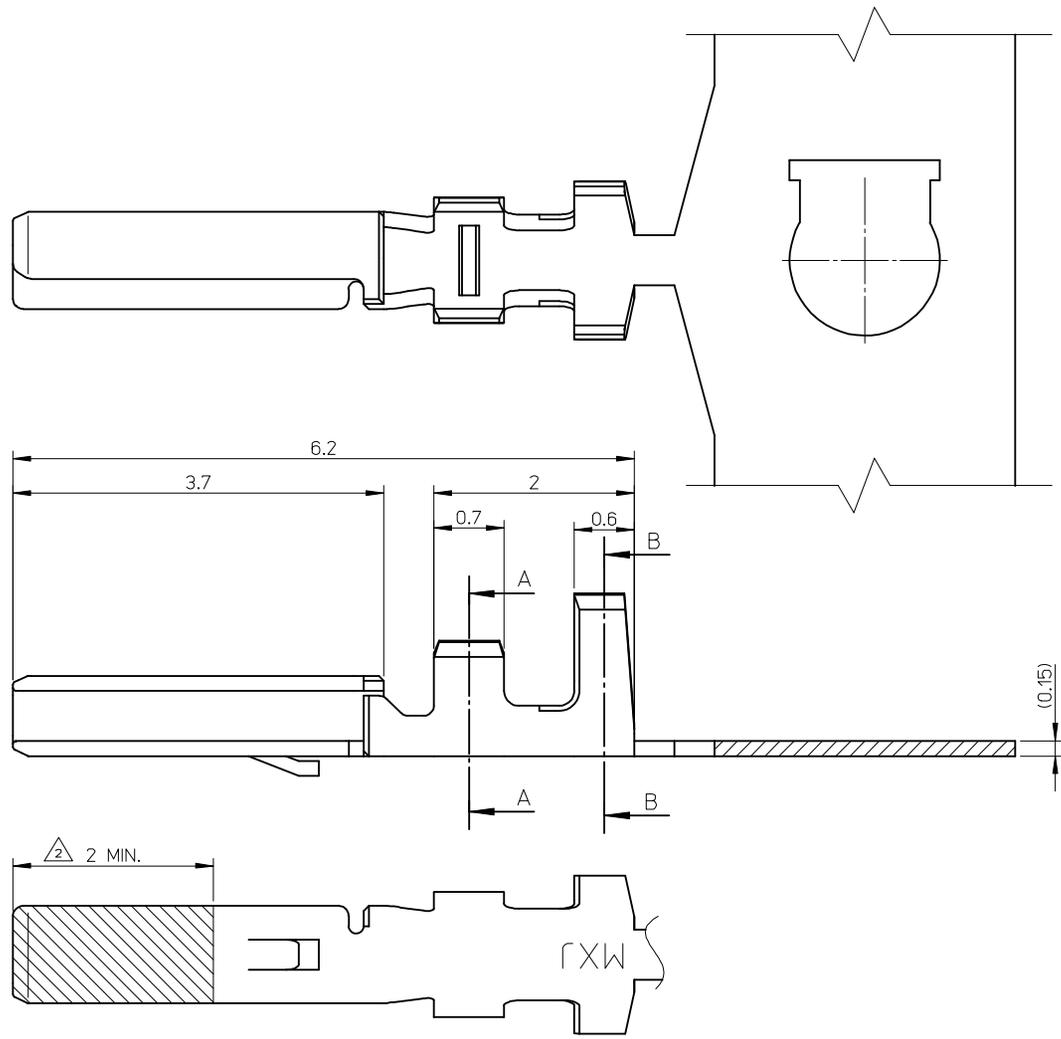
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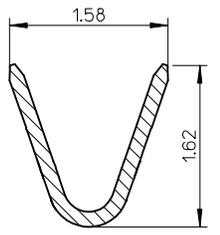
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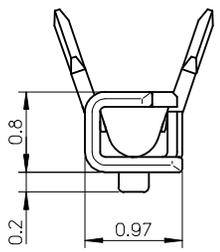
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SECTION A-A



SECTION B-B



NOTES

- 適合ハウジング : 501929-****, 503110-****.
APPLICABLE HOUSING : 501929-****, 503110-****.
- 図示の斜線部の範囲は、接点部のため、傷、打痕、汚れなどを付けないようにして下さい。
PLEASE DON'T DAMAGE, DON'T DENT, AND DON'T MAKE IT DIRTY.
BECAUSE THE RANGE IN THE SHADED PORTION SHOWN IN FIGURE IS THE CONTACT AREA.
- ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT

φ0.8-1.0mm	AWG#26-28	501930-1100	連鎖状 CHAIN
絶縁被覆外径範囲 INS. RANGE	適用電線範囲 WIRE RANGE	製品番号 MATERIAL NO.	端子形状 FORM

部品 PART	材質 MATERIAL
ターミナル TERMINAL	銅合金 COPPER ALLOY
	金めっき (接点部) : 0.1 micro-meter MIN. GOLD (CONTACT AREA)
	錫めっき (圧着部) : 0.5 micro-meter MIN. TIN (TAIL AREA)
	ニッケルめっき (下地) : 1.0 micro-meter MIN. NICKEL (UNDER PLATING)

REVISED EC NO: J2009-0621 2008/09/09 DRW:KSETO CHK:D.SMARUYAMA APPR:S.ICHIKAWA 2008/09/09	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 20:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY T. MIYAZAKI	DATE 2006/03/13	TITLE 1.25 W/B CONN. DUAL PLUG TERMINAL			
		10 OVER 30 UNDER	±0.25	CHECKED BY K. ASAKAWA	DATE 2006/03/13	MATERIAL NO. SD-501930-001			
		30 OVER	±0.3	APPROVED BY S. ICHIKAWA	DATE 2006/03/13	SHEET NO. 1 OF 1			
ANGULAR ±3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
A		A3							