

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0681451221

Status:

Active

Description:

2.50mm (.098") Pitch Wire-to-Board Header, 1.02mm (.040") Tab Type, Vertical, 12 Circuits, Gray

Documents:

3D Model

Drawing (PDF)

Product Specification PS-68145-002 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Product Name

PCB Headers

68145

Wire-to-Board

N/A

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

No

12

12

Black

50

No

No

No

None

Yes

Brass

Tin

Tin

Polyester

2

Vertical

0.157 In

4.00 mm

Yes

Yes

0.047 In

1.20 mm

Tray

0.098 In

2.50 mm

0.098 In

2.50 mm

32

0.8

32

0.8

Yes

No

Closed Ends

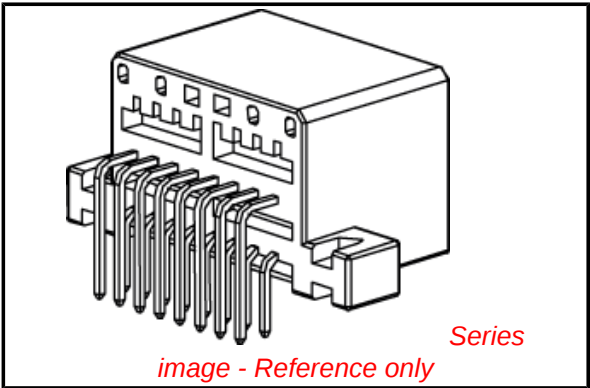
No

No

-30°C to +85°C

Through Hole

Electrical



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free

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

68145Series

Mates With

64002 Crimp Housing. 35563 Crimp Housing

Current - Maximum per Contact

5A

Voltage - Maximum

13V DC (RMS)

Material Info

Reference - Drawing Numbers

Product Specification

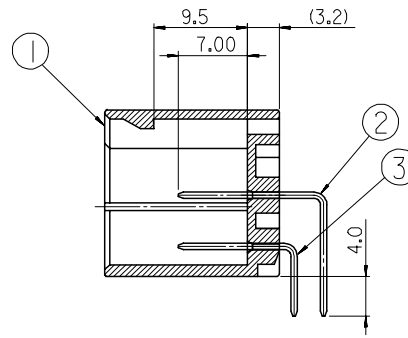
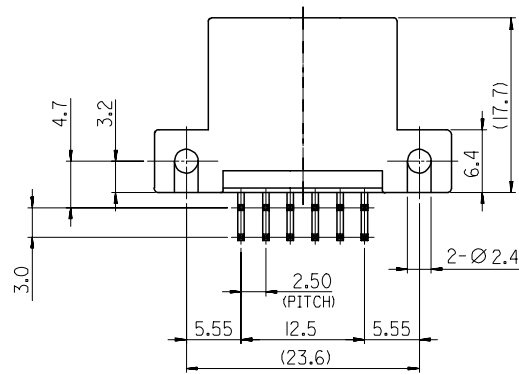
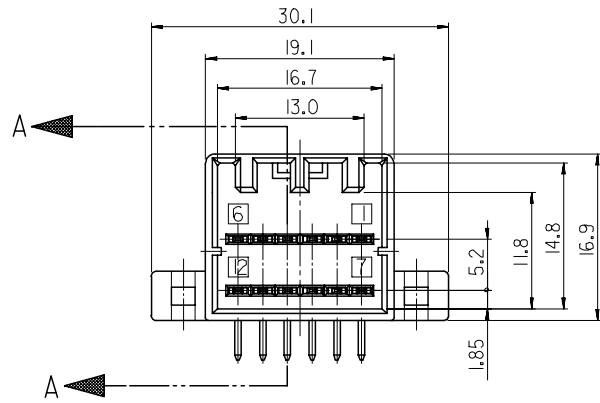
PS-68145-002

Sales Drawing

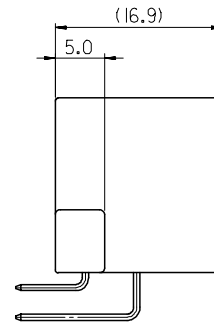
SD-68145-312

This document was generated on 04/07/2010

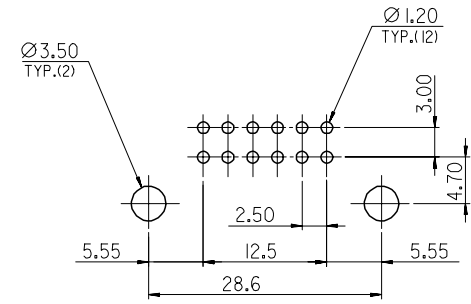
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SECTION A-A



NO.	PART NO.	COLOR
1	68145-1221	BLACK
2	68145-1225	GRAY
3	68145-1226	WHITE



RECOMMENED P.C.B HOLE DIM.(MOUNT SIDE)

NOTES

1. APPLICABLE FEMALE HOUSING : 64002-121*

NO.	DESCRIPTION	MATERIAL	REMARK
①	HOUSING	PBT, G/F 15%	UL94HB
②	PIN(L)	BRASS	PRE-TIN PLATED
③	PIN(S)		

ADDED OF PART EC NO. KOR2006-0147 DRWN:EOKIM 06/06/01 CHK+BC.YOON 06/06/01 APPR:SHI-CHOI 06/06/01	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm INCH mm	☒ mm ONLY	REVISE ON CAD ONLY	
		MAJOR 			DRAWN BY & DATE B.C.YOON 02/07/12		TITLE: .040 WIRE TO BOARD CONNECTOR 12P HEADER ASS'Y-R/A(HZT)				
		CRITICAL 			CHECKED BY & DATE Y.SIK.KIM 02/07/12						
				APPROVED BY & DATE C.W.LEE 02/07/12		MOLEX INCORPORATED					
				CAD FILENAME S6814512D.DGN						MATERIAL NO. SEE TABLE	
B	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					SIZE B