

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0681450815

Status:

Active

Description:

2.50mm (.098") Pitch Wire-to-Board Header, 1.02mm (.040") Tab Type, Vertical, 8 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

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

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

8

8

Gray

No

No

No

None

Yes

Brass

Tin

Tin

Polyester

2

Vertical

0.146 In

3.70 mm

No

Yes

Tray

0.098 In

2.50 mm

0.098 In

2.50 mm

32

0.80

32

0.80

Yes

No

Closed Ends

No

No

-30°C to +85°C

Through Hole

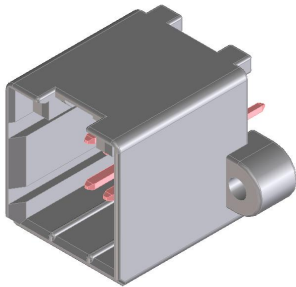
Electrical

Current - Maximum per Contact

Voltage - Maximum

5A

13V



Series
image - Reference only

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

68508 Crimp Housing

Material Info

Reference - Drawing Numbers

Product Specification	PS-68145-002
Sales Drawing	SD-68145-208

This document was generated on 04/07/2010

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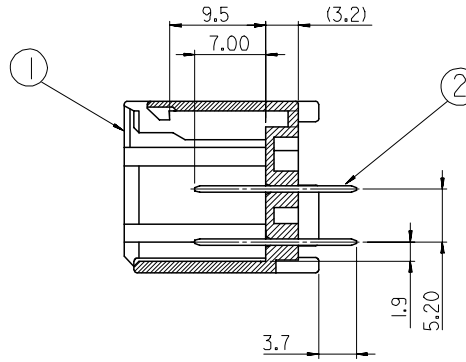
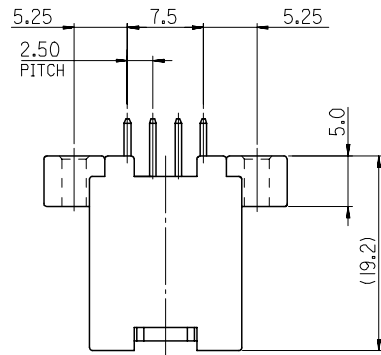
DWG. NO. SD-68145-208

SIMILAR ITEM

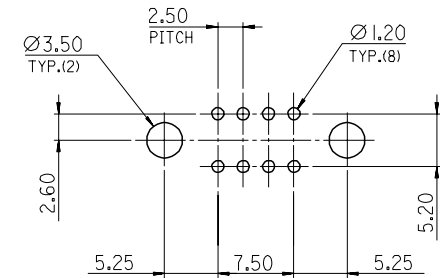
PROJECT NO.

C

B

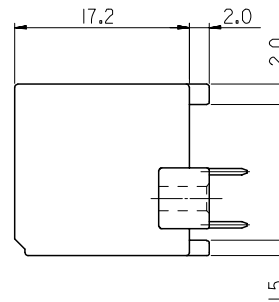
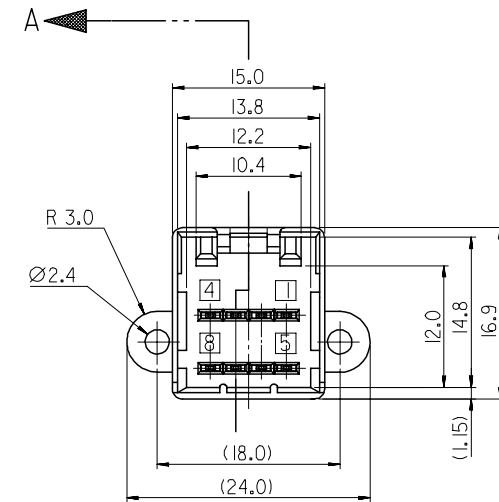
DO NOT SCALE DRAWING
DIMENSION IN METRIC

SECTION A-A



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

NO.	PART NO.	COLOR
1	68145-0811	BLACK
2	68145-0815	GRAY
3	68145-0816	WHITE



NOTES

1. APPLICABLE FEMALE HOUSING : 68508-081*

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

ADDED OF PART ECN NO.KOR2006-0147 DRWN:EO.KIM 06/06/01 CHK:BC.YOON 06/06/01 APPR:SH.CHOI 06/06/01	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	☐ mm ☐ INCH ☒ mm ONLY	REVISE ON CAD ONLY	
		mm INCH		DRAWN BY & DATE B.C.YOON 02/08/05		TITLE: .040 WIRE TO BOARD CONNECTOR 8P HEADER ASS'Y (VTL)			
		4 PLACES ±0. ±		CHECKED BY & DATE Y.SIK.KIM 02/08/05					
		3 PLACES ±0. ±		APPROVED BY & DATE C.W.LEE 02/08/05		MOLEX INCORPORATED			
		2 PLACES ±0.25 ±		CAD FILENAME S681458C.DGN					MATERIAL NO. SEE TABLE
B	REV	1 PLACE ±0.30 ±		ANGULAR: ± 1 °					
		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.					