

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0681450821

Status:

Active

Description:

2.50mm (.098") Pitch Wire-to-Board Header, 1.02mm (.040") Tab Type, Right Angle, 8 Circuits, Black

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

8

8

Black

50

No

No

No

No

None

Yes

Brass

Tin

Tin

Polyester

2

Right Angle

0.157 In

4.00 mm

No

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

Yes

Closed Ends

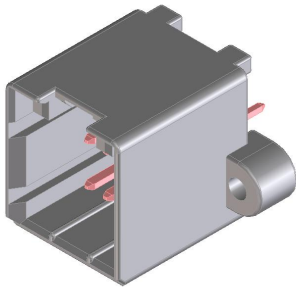
No

No

-30°C to +85°C

Through Hole

Electrical



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

Current - Maximum per Contact	5A
Voltage - Maximum	13V DC (RMS)

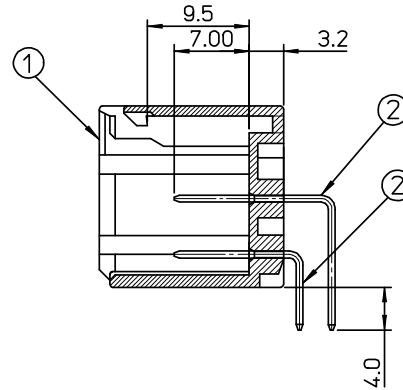
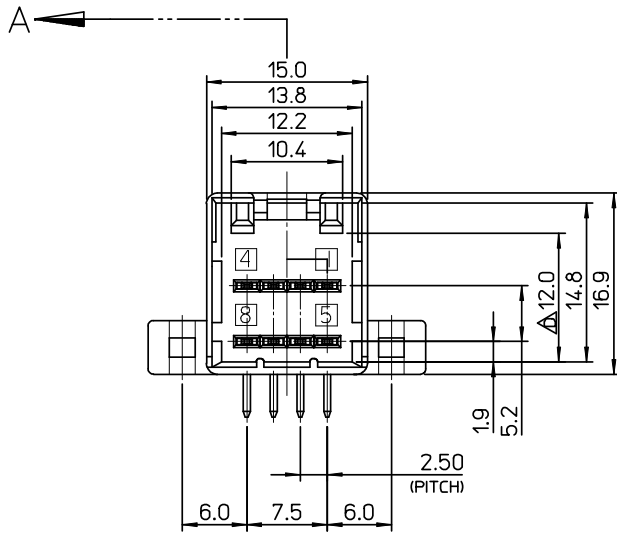
Material Info

Reference - Drawing Numbers

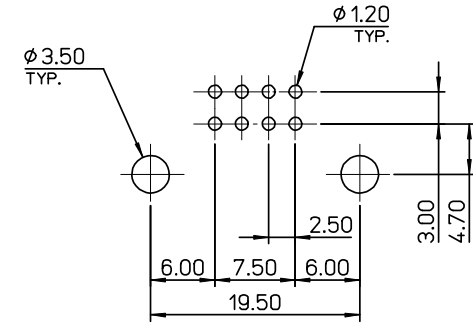
Product Specification	PS-68145-002
Sales Drawing	SD-68145-308

This document was generated on 04/07/2010

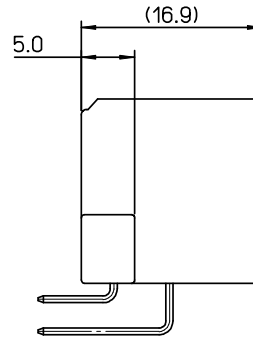
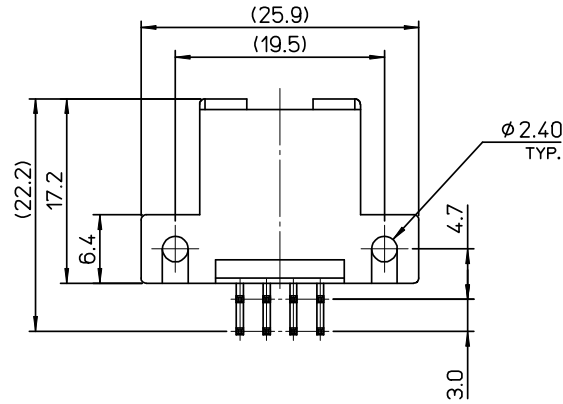
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



SECTION A-A



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



NOTES

1. APPLICABLE FEMALE HOUSING : 68508-081*

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

NO.	ENG NO.	MATERIAL NO.	REMARK
1	68145-0821	681450821	BLACK
2	68145-0825	681450825	GRAY
3	68145-0826	681450826	WHITE

REV	DESCRIPTION
1	REVISED
2	EC NO: KOR2008-0116
3	DRW:NEOKIM 2008/01/31
4	CHKD:BCYOON 2008/02/14
5	APPR:YUNSIKKIM 2008/02/14

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.30	± ---
ANGULAR ± 1 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	2:1	METRIC	
DRAWN BY	DATE	TITLE	
BCYOON	2002/08/05		
CHECKED BY	DATE	MOLEX INCORPORATED	
YSIKKIM	2002/08/05		
APPROVED BY	DATE	SD-68145-308	
CWLEE	2002/08/05		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
SEE TABLE	SD-68145-308		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
