

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

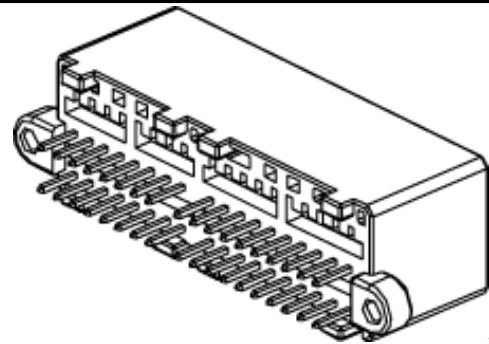
0681451625

Status:

Active

Description:

1.02mm (.040") Pitch Wire-to-Board Header, 1.02mm (.040") Tab Type, Vertical, 16 Circuits, Black



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-68145-002 \(PDF\)](#)
- [Product Specification PS-68145-005 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	68145
Application	Wire-to-Board
Product Name	N/A

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Gray
Durability (mating cycles max)	50
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.157 In
PC Tail Length (mm)	4.00 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Plating min: Mating (µin)	32
Plating min: Mating (µm)	0.8
Plating min: Termination (µin)	32
Plating min: Termination (µm)	0.8
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-30°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	5A
Voltage - Maximum	13V

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

35563 Crimp Housing

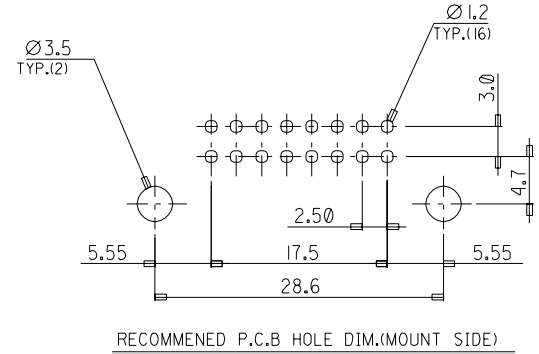
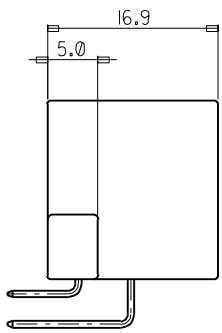
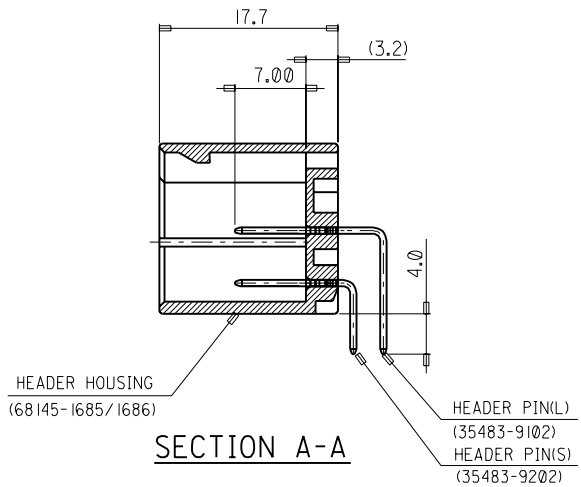
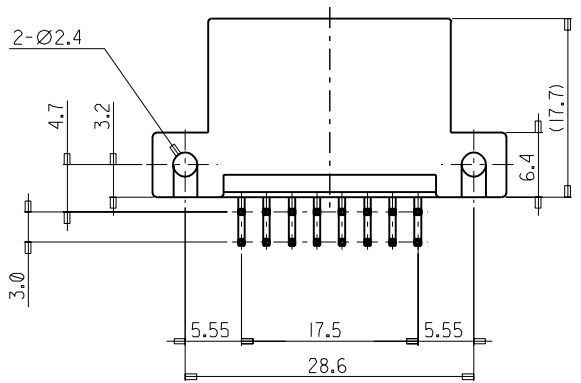
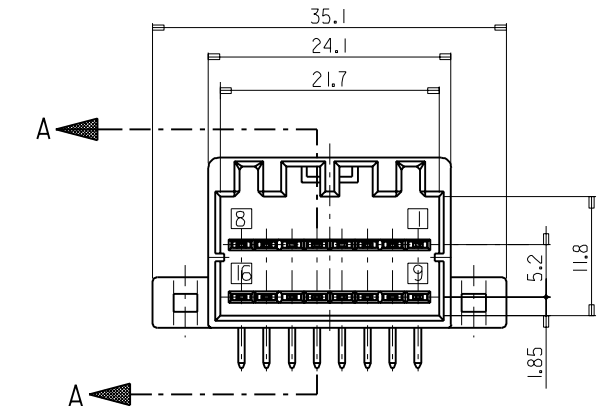
Material Info

Reference - Drawing Numbers

Product Specification	PS-68145-002, PS-68145-005
Sales Drawing	SD-68145-005

This document was generated on 04/07/2010

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- NOTES
- 1.APPLICABLE FEMALE HOUSING : 35563-1615
 - 2.MATERIAL:HOUSING-POLYESTER (PBT),G/F 15%
TERMINAL-BRASS, FINISH-TIN PLATING

NO.	PART NO.	PART NAME	MATERIAL	COLOR	REMARK
1	68145-1625	.040 W/B 16P HEADER ASS'Y	PBT, G/F 15%	GRAY	
2	68145-1626	.040 W/B 16P HEADER ASS'Y	PBT, G/F 15%	WHITE	

NEW RELEASED
EC NO. KOR2002-0072
DRWN: B.C.YOON '02.2.6
CHK: Y.SIK.KIM
APPR: C.W.LEE

A

DESCRIPTION
REV

QUALITY SYMBOLS
MAJOR
CRITICAL

GENERAL TOLERANCES:
(UNLESS SPECIFIED)
mm INCH
4 PLACES ±0. INCH
3 PLACES ±0. INCH
2 PLACES ±0.20 INCH
1 PLACE ±0.30 INCH
ANGULAR: ± 1 °
DRAFT WHERE APPLICABLE MUST
REMAIN WITHIN DIMENSIONS

SCALE
2:1
DESIGN UNITS
mm INCH
THIRD ANGLE
PROJECTION
DRAWN BY & DATE
Y.SIK.KIM 99.04.29
CHECKED BY & DATE
B.K.CHOI 99.04.29
APPROVED BY & DATE
C.W.LEE 99.04.30
CAD FILENAME
s6814525.dgn

TITLE:
040 W/B 16P HEADER ASS'Y(R/A)
MOLEX MOLEX INCORPORATED
MATERIAL NO.
681451625
DRAWING NO.
SD-68145-005
SHEET NO.
1 OF 1
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.
SIZE
B

DIMENSIONS:
mm INCH
mm ONLY
SHT
REV
REVISE ON
CAD ONLY