

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0353172420

Status:

Active

Overview:

[minifit_jr](#)

Description:

4.20mm (.165") Pitch Mini-Fit® Header, Dual Row, Vertical, 24 Circuits, PA Polyamide (Nylon) 6/6 94V-2, White

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-35317-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

35317

Application

Wire-to-Board

Comments

Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS™ Crimp Terminal Crimped to to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.

Overview

[minifit_jr](#)

Product Name

Mini-Fit®

Physical

Breakaway

No

Circuits (Loaded)

24

Circuits (maximum)

24

Color - Resin

Natural

Durability (mating cycles max)

30

First Mate / Last Break

No

Flammability

94V-2

Glow-Wire Compliant

No

Guide to Mating Part

No

Keying to Mating Part

None

Lock to Mating Part

Yes

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

Nylon

Number of Rows

2

Orientation

Vertical

PC Tail Length (in)

0.138 In

PC Tail Length (mm)

3.50 mm

PCB Locator

Yes

PCB Retention

None

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.60 mm

Packaging Type

Bag

Pitch - Mating Interface (in)

0.165 In

Pitch - Mating Interface (mm)

4.20 mm

Polarized to PCB

No

Shrouded

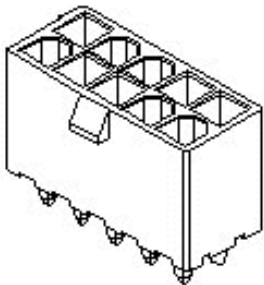
Partial

Stackable

No

Surface Mount Compatible (SMC)

No



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
[35317Series](#)

Mates With
[5557](#) Mini-Fit Jr.™ Receptacle Housing

Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13A
Voltage - Maximum	250V

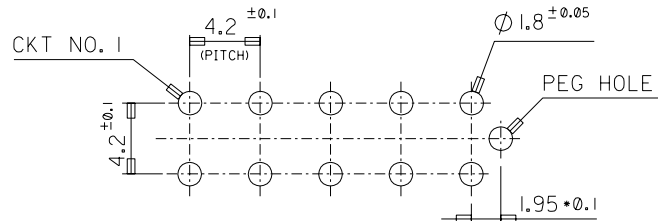
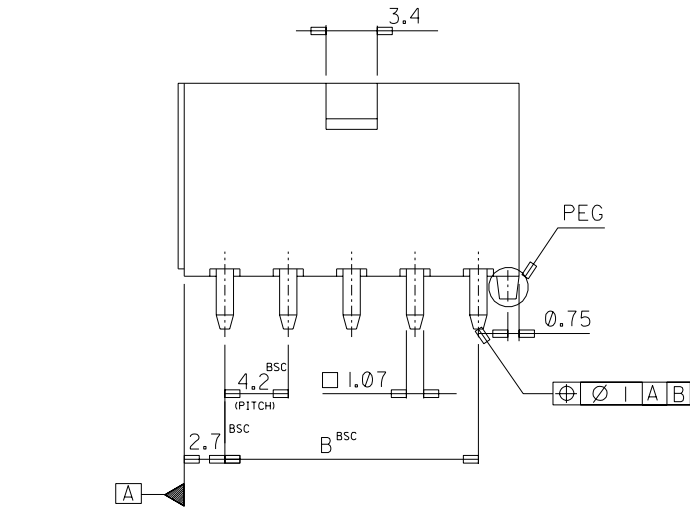
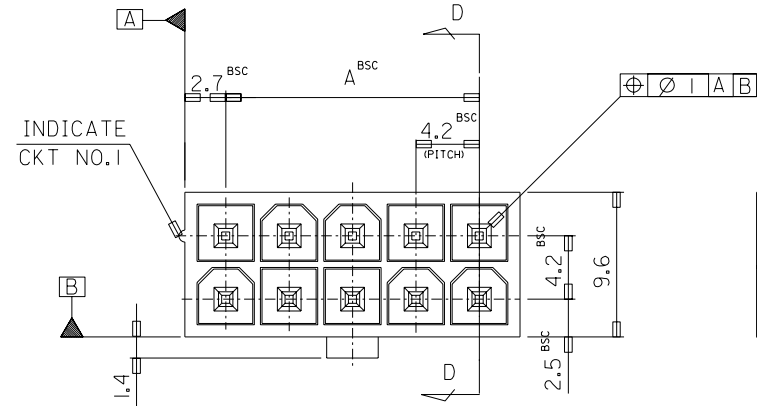
Material Info

Reference - Drawing Numbers

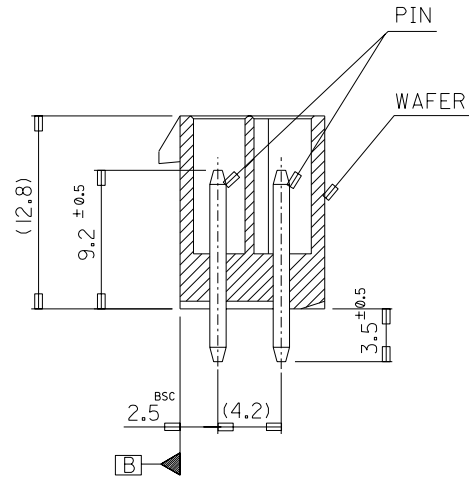
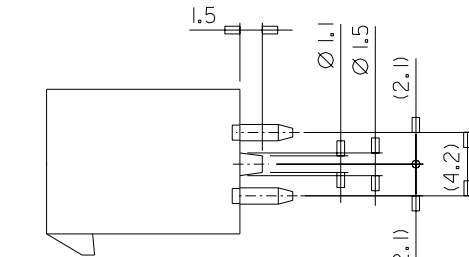
Packaging Specification	PK-35317-001
Product Specification	PS-35317-001
Sales Drawing	SD-35317-***0, SD-35317-001

This document was generated on 05/24/2010

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RECOMMENDED P.C.BOARD PATTERN



SECT.D-D

NOTES

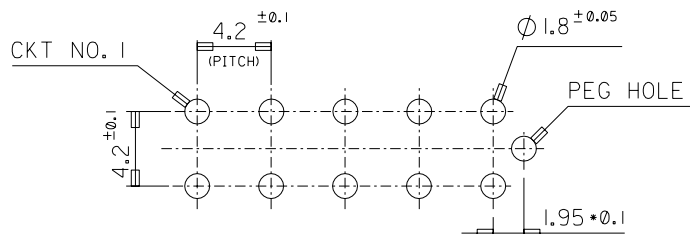
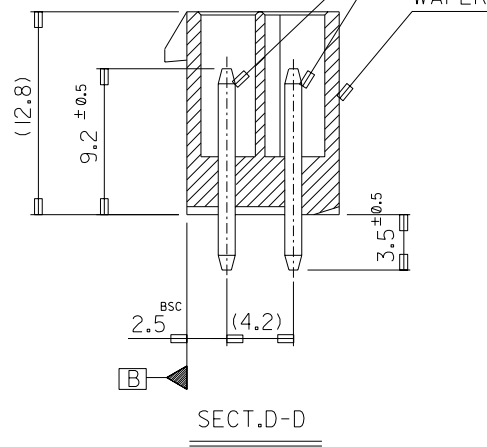
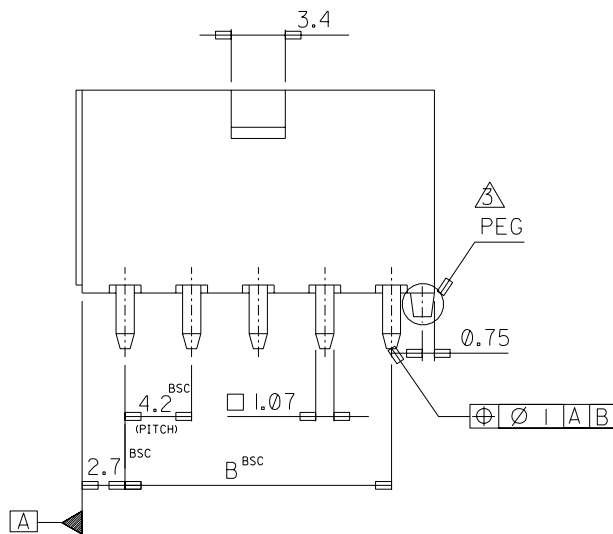
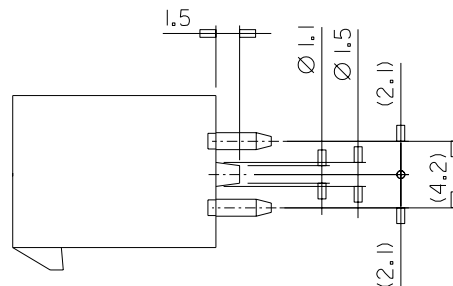
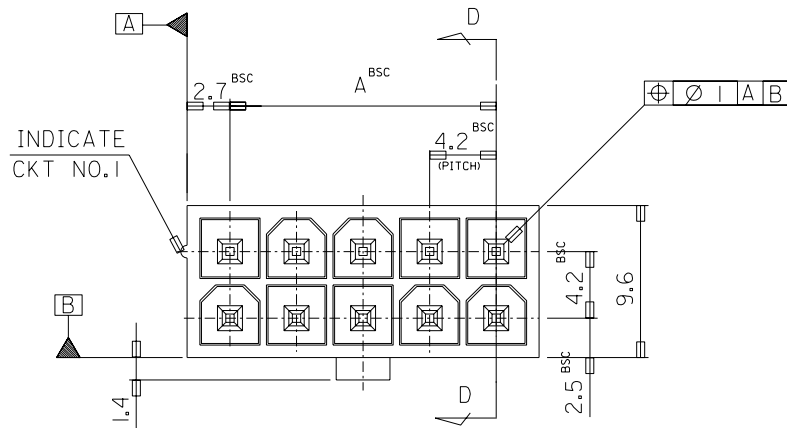
1. WHEN MATED WITH 5557-NR TO BE SURELY LOCKED.
2. MATERIAL: WAFER — NYLON66 UL94V-0
NYLON66 UL94V-2
PIN — BRASS(TIN PLATED)

LEGEND

35317 - ** * 0
1: NYLON66 UL94V-0
2: NYLON66 UL94V-2
3: NYLON66 UL94V-0, WITH PEG
4: NYLON66 UL94V-2, WITH PEG
CKT

46.2	46.2	35317 -24*0	24
42.0	42.0	-22*0	22
37.8	37.8	-20*0	20
33.6	33.6	-18*0	18
29.4	29.4	-16*0	16
25.2	25.2	-14*0	14
21.0	21.0	-12*0	12
16.8	16.8	-10*0	10
12.6	12.6	-08*0	8
8.4	8.4	-06*0	6
4.2	4.2	35317 -04*0	4
A	B	ENG. NO.	CIRCUIT

B	REVISED	00-07100/09/18	MATERIAL	
A	NEW RELEASED	94-07494/12/20	GENERAL TOLERANCE	
2	REVISED	94-05494/11/4	DIMENSION : ± 0.3	
1	REVISED	94-01794/9/7	ANGLE : ± 1°	
0	PRE-RELEASED	93/5/1	DIMENSION CLASSIFICATION	
LTR	REVISION RECORD	ECN	▽ : CRITICAL ▼ : MAJOR () : REFERENCE	
REVISE ONLY ON CAD SYSTEM			ASS'Y PART	
			DESCRIPTION	ENG. NO.
			TITLE:	SHEET
			NEW MINI FIT CONN.	
			WAFER ASS'Y	
			ENG. NO.	REV
			SD-35317-****0	A



RECOMMENDED P.C.BOARD PATTERN

REVISED
KOR2003-0259
K.S.KIM 2003.5.23
J.K.OH
C.W.LEE

NOTES

1. WHEN MATED WITH 5557-NR
TO BE SURELY LOCKED.

2. MATERIAL: WAFER — NYLON66 UL94V-0
NYLON66 UL94V-2

PIN — BRASS (TIN PLATED)

MOLD PEG IS 35317-***3*, -***4* ONLY.

LEGEND

35317 - ** * *
COLOR - 0: NATURAL
1: BLACK
2: RED
3: YELLOW
4: BLUE
6: GREEN
7: BROWN
1: NYLON66 UL94V-0
2: NYLON66 UL94V-2
3: NYLON66 UL94V-0 (WITH PEG)
4: NYLON66 UL94V-2 (WITH PEG)
CKT

46.2	3531724**	35317 -24**	24
42.0	3531722**	-22**	22
37.8	3531720**	-20**	20
33.6	3531718**	-18**	18
29.4	3531716**	-16**	16
25.2	3531714**	-14**	14
21.0	3531712**	-12**	12
16.8	3531710**	-10**	10
12.6	3531708**	-08**	8
8.4	3531706**	-06**	6
4.2	3531704**	-04**	4
—	3531702**	35317 -02**	2
A	Material No.	ENG. NO.	CIRCUIT

3:1 X

D.J.KIM 1993.05.01

J.K.OH

C.W.LEE

NEW MINIFIT CONN.
WAFER ASS'Y