

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0353171420](#)
Status: **Active**
Overview: [minifit_jr](#)
Description: 4.20mm (.165") Pitch Mini-Fit® Header, Dual Row, Vertical, 14 Circuits, PA Polyamide (Nylon) 6/6 94V-2, White

Documents:

3D Model	Product Specification PS-35317-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

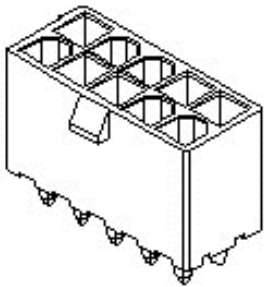
General

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)	14
Circuits (maximum)	14
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

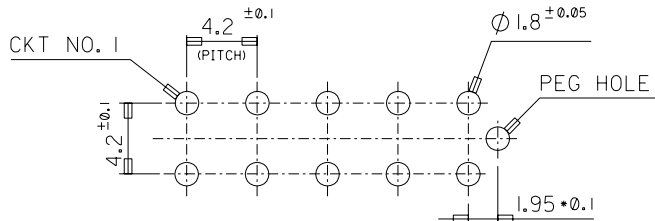
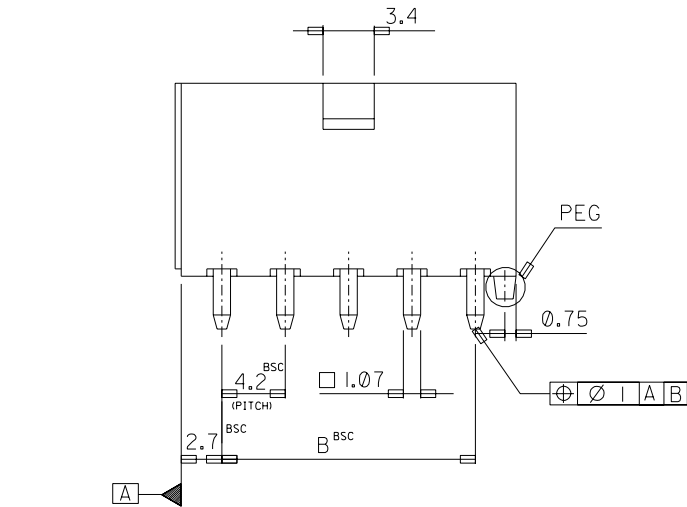
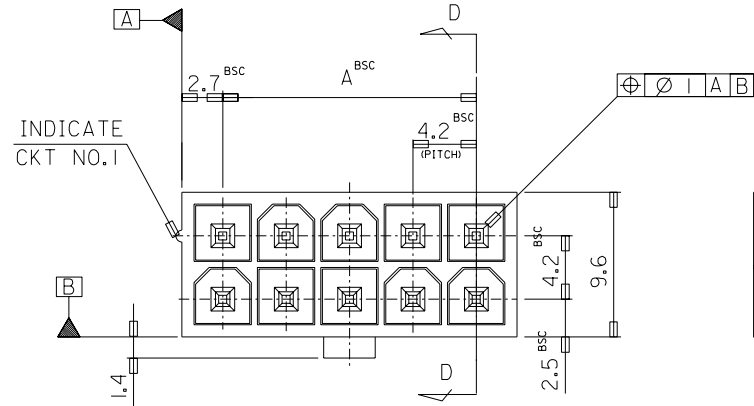
Material Info

Reference - Drawing Numbers

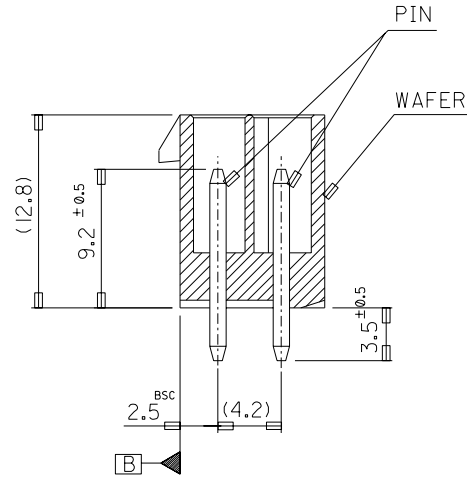
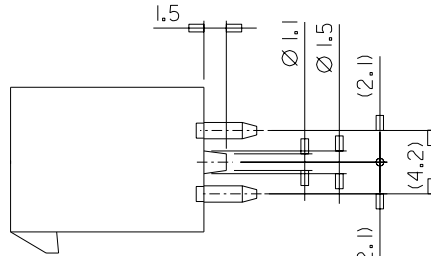
Packaging Specification	PK-35317-001
Product Specification	PS-35317-001
Sales Drawing	SD-35317-***0, SD-35317-001

This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



RECOMMENDED P.C. BOARD PATTERN



SECT. D-D

NOTES

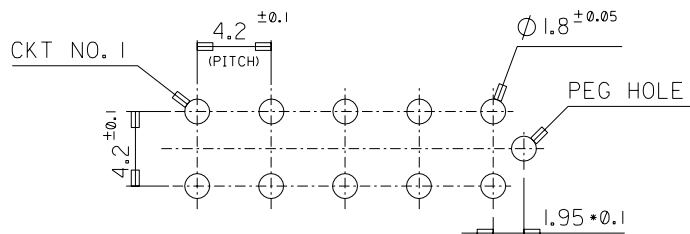
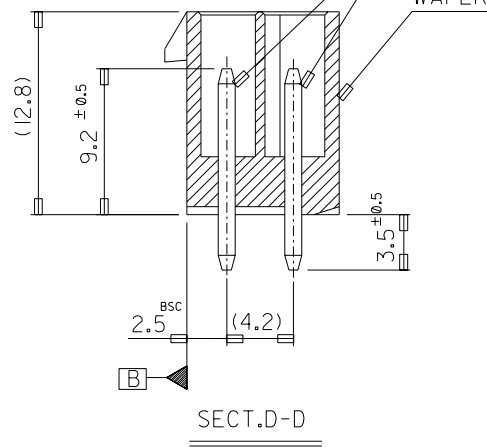
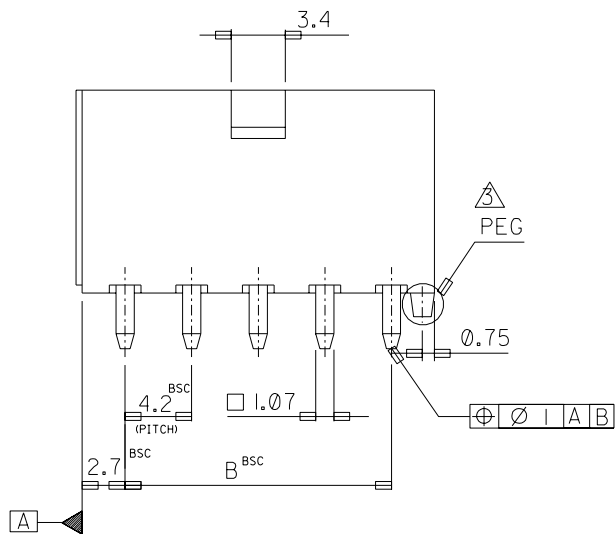
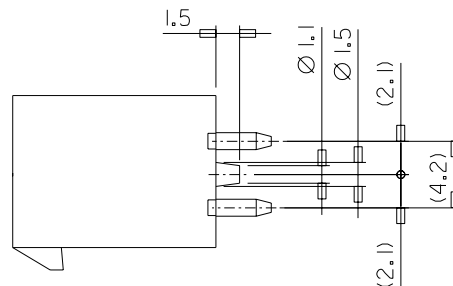
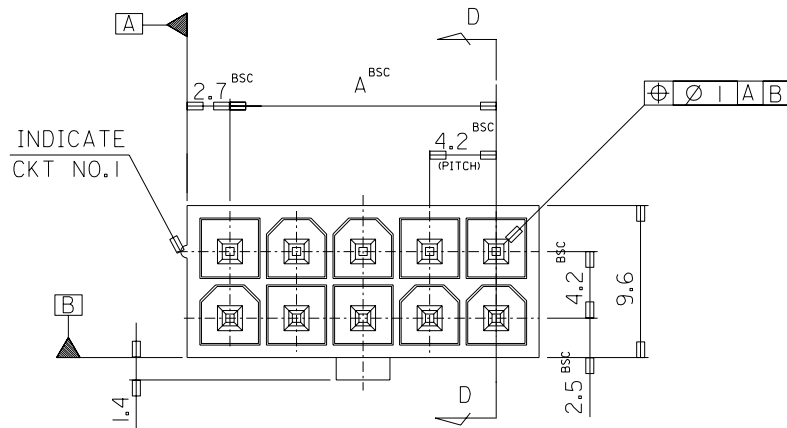
1. WHEN MATED WITH 5557-NR TO BE SURELY LOCKED.
2. MATERIAL: WAFER — NYLON66 UL94V-0
NYLON66 UL94V-2
PIN — BRASS (TIN PLATED)

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				MATERIAL		moLEX MOLEX-KOREA CO., LTD.	
A				GENERAL TOLERANCE		DRAWN BY	
2				DIMENSION : ± 0.3		D. J. KIM	
1				ANGLE : $\pm 1^\circ$		CHK'D BY	
0				DIMENSION CLASSIFICATION		APP'D BY	
LTR				∇ : CRITICAL $\blacktriangledown$: MAJOR		SCALE	
REVISE ONLY ON CAD SYSTEM				ASS'Y PART		TITLE:	
				DESCRIPTION ENG. NO.		NEW MINI FIT CONN. WAFER ASS'Y	
						ENG. NO.	
						SD-35317-****0	
						SHEET	
						REV 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