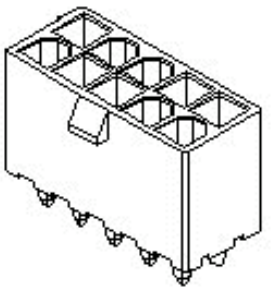
This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0353171820
Status: Active
Overview: minifit_jr
Description: 4.20mm (.165") Pitch Mini-Fit® Header, Dual Row, Vertical, 18 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)



Series image - Reference only

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 Crimpted 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)	18
Circuits (maximum)	18
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

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

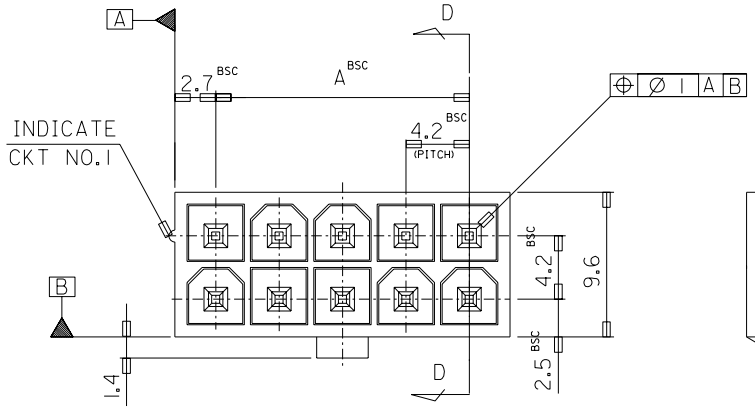
Reference - Drawing Numbers

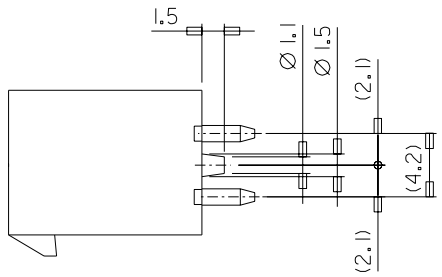
Packaging Specification	PK-35317-001
Product Specification	PS-35317-001
Sales Drawing	SD-35317-***0, SD-35317-001

This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

PROJECT NO. | SIMILAR ITEM | EDP NO. 35317-***0 | ENG. NO SD-35317-***0





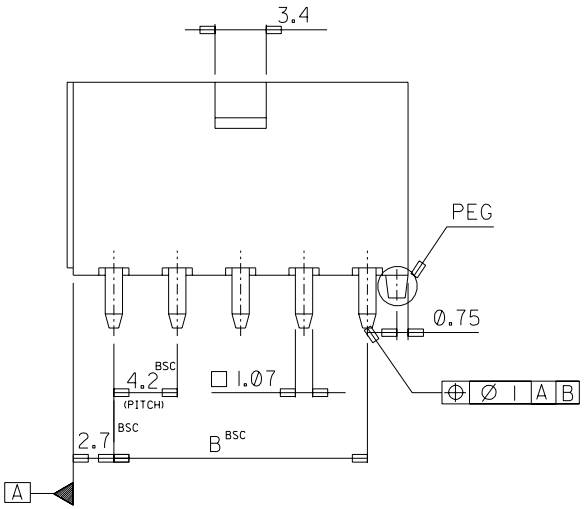
NOTES

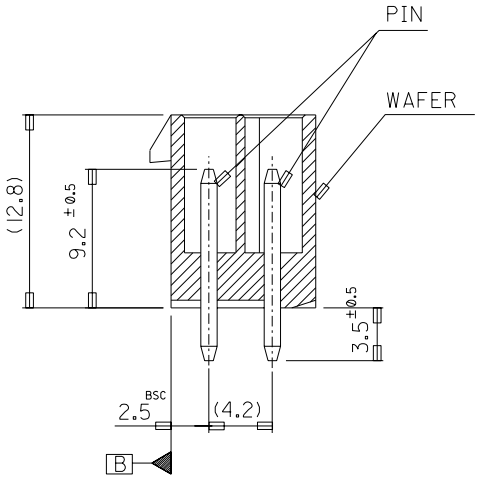
1. WHEN MATED WITH 5557-NR
   TO BE SURELY LOCKED.
2. MATERIAL: WAFER — NYLON66 UL94V-0
   NYLON66 UL94V-2
   PIN —— BRASS(TIN PLATED)

LEGEND

35317 - ** * 0

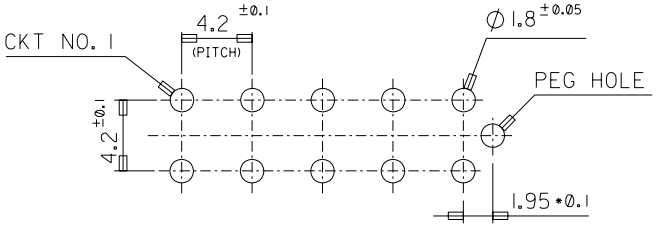
- CKT
- *: 1:NYLON66 UL94V-0
  2:NYLON66 UL94V-2
  3:NYLON66 UL94V-0, WITH PEG
  4:NYLON66 UL94V-2, WITH PEG





SECT.D-D

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



RECOMMENDED P.C.BOARD PATTERN

LTR	REVISION RECORD	ECN	DATE
B	REVISED	00-071	00/09/18
A	NEW RELEASED	94-074	94/12/20
2	REVISED	94-054	94/11/4
1	REVISED	94-017	94/9/7
0	PRE-RELEASED		93/5/1

REVISE ONLY ON CAD SYSTEM

MATERIAL

GENERAL TOLERANCE
DIMENSION : ± 0.3
ANGLE : ± 1°

DIMENSION CLASSIFICATION
▽ : CRITICAL ▼ : MAJOR
( ) : REFERENCE

ASS'Y PART
DESCRIPTION | ENG. NO.

molex MOLEX-KOREA CO.,LTD.

DRAWN BY D.J.KIM | CHK'D BY
APP'D BY | SCALE 3/1

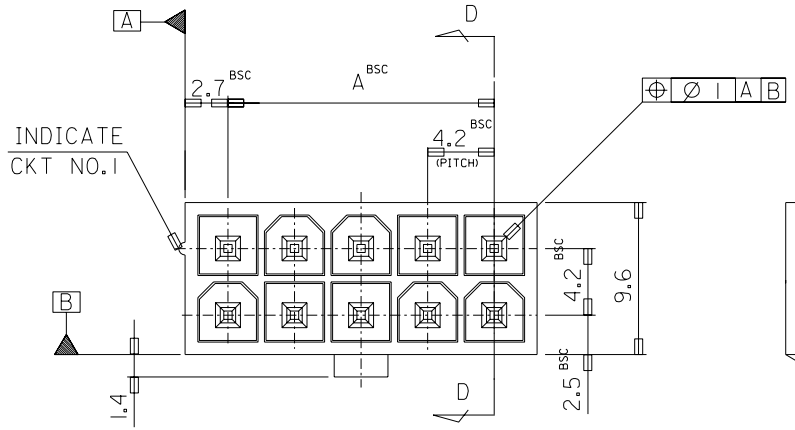
TITLE: NEW MINI FIT CONN. WAFER ASS'Y | SHEET

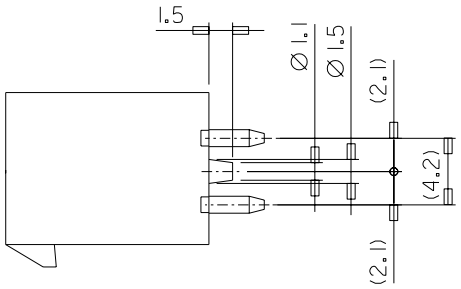
ENG. NO. SD-35317-***0 | REV A

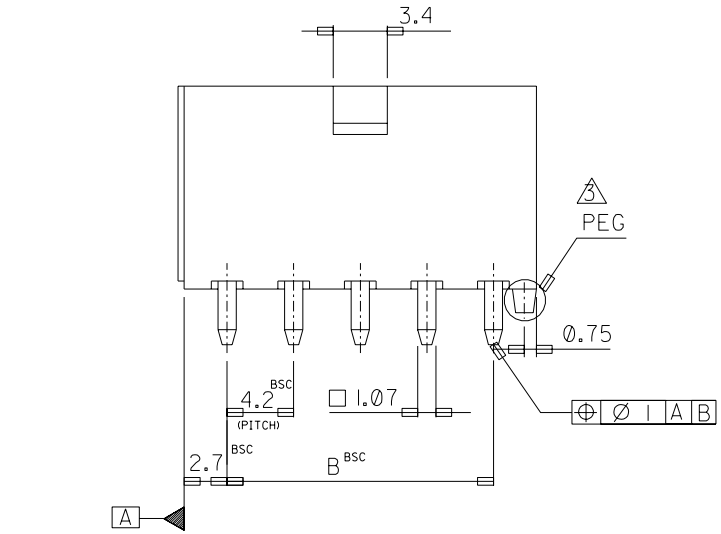
THIS DROWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(KOREA) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

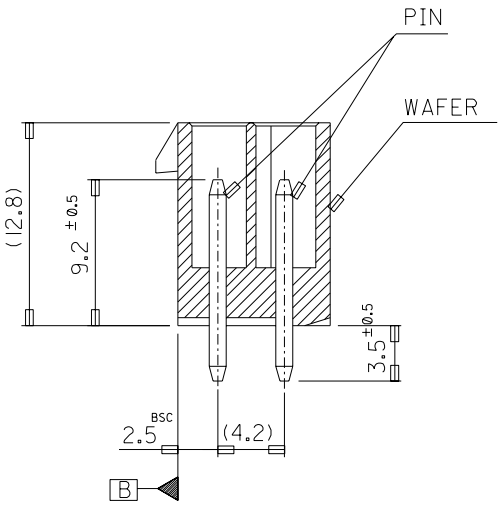
MX-A3(ANSI:290,420)

SD-35317-001

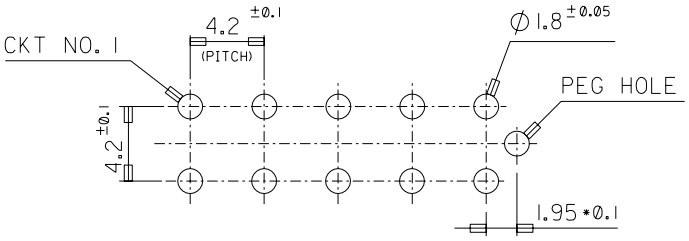








SECT.D-D



RECOMMENDED P.C.BOARD PATTERN

NOTES

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

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

LEGEND

35317 - ** * *

- COLOR - 0:NATURIAL, 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

A	Material No.	ENG. NO.	CIRCUIT
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

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

3:1

D.J.KIM 1993.05.01
J.K.OH
C.W.LEE

NEW MINIFIT CONN.
WAFER ASS'Y

SD35317.DGN SEE TABLE SD-35317-001 1/1

C