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Part Number: [0353181820](#)
Status: **Active**
Overview: [minifit_jr](#)
Description: 4.20mm (.165") Pitch Mini-Fit® Header, Dual Row, Right Angle, 18 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

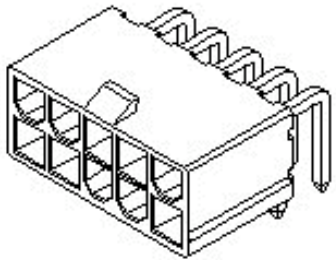
General

Product Family	PCB Headers
Series	35318
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)	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	Right Angle
PC Tail Length (in)	0.157 In
PC Tail Length (mm)	4.00 mm
PCB Locator	No
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
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5



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.

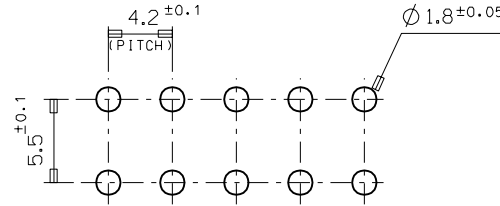
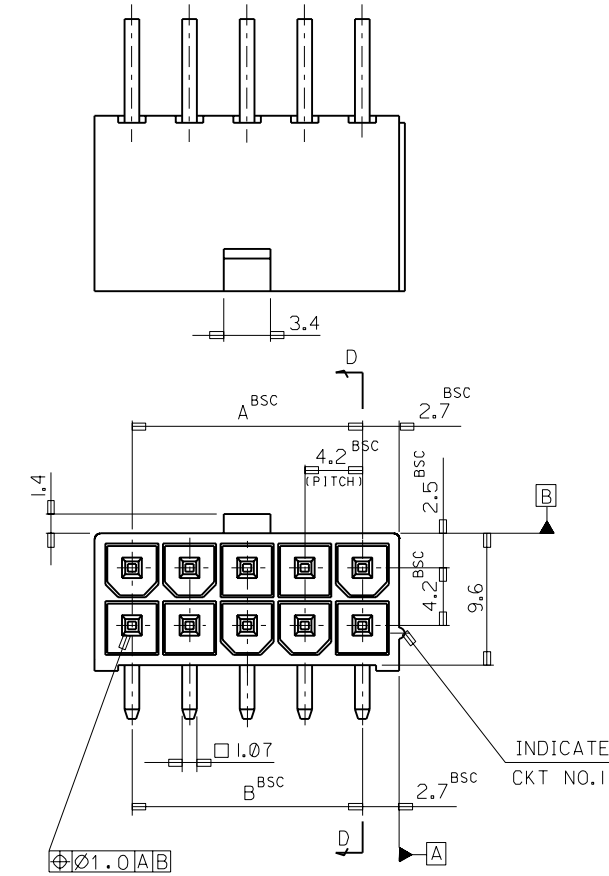
Search Parts in this Series
[35318Series](#)

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

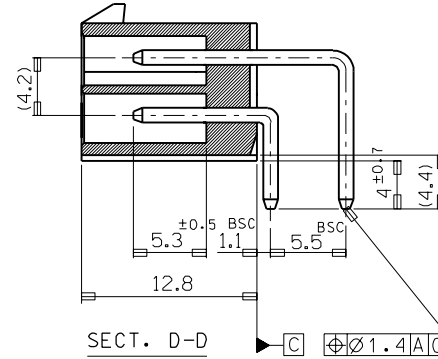
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	13A
Voltage - Maximum	250V
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-35318-001
Product Specification	PS-35317-001
Sales Drawing	SD-35318-****

This document was generated on 05/24/2010

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RECOMMENDED P.C. BOARD PATTERN



NOTES

1. WHEN MATED WITH 5557-NR, 5557-NR-210 TO BE SURELY LOCKED.
2. MATERIAL: WAFER — NYLON66 UL94V-0
 NYLON66 UL94V-2
 PIN — BRASS (TIN PLATED)

LEGEND

35318 - ** * *
 Ø: NATURAL
 I: BLACK
 I: NYLON66 UL94V-0
 2: NYLON66 UL94V-2
 CKT

46.2	46.2	35318 -24**	24
42.0	42.0	-22**	22
37.8	37.8	-20**	20
33.6	33.6	-18**	18
29.4	29.4	-16**	16
25.2	25.2	-14**	14
21.0	21.0	-12**	12
16.8	16.8	-10**	10
12.6	12.6	-08**	8
8.4	8.4	-06**	6
4.2	4.2	35318 -04**	4
A	B	ENG. NO.	CIRCUIT

				MATERIAL		moLEX MOLEX-KOREA CO., LTD.	
B	REVISED	96-022	96/2/26	GENERAL TOLERANCE DIMENSION : ± 0.3 ANGLE : $\pm 1^\circ$		DRAWN BY D. J. KIM	CHK'D BY
A	NEW RELEASED	94-074	94/12/20	DIMENSION CLASSIFICATION ▽: CRITICAL ▼: MAJOR (): REFERENCE		APP'D BY	SCALE 3/1
1	REVISED	94-017	94/9/7	ASS'Y PART		TITLE: NEW MINI FIT CONN. R/A WAFER ASS'Y	
0	PRE-RELEASED		93/5/1	DESCRIPTION		SHEET	
LTR	REVISION RECORD	ECN	DATE	ENG. NO.		REV B	
REVISE ONLY ON CAD SYSTEM						ENG. NO. SD-35318-****	