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Part Number:

0366330021

Status:

Active

Overview:

minifit_jr

Description:

4.20mm (.165") Mini-Fit Jr.™ Header, Right Angle, Nylon, without Mounting Flange, 10 Circuits, Tin (Sn) over Nickel (Ni) Plating, Lead free

Documents:

Drawing (PDF)

Product Specification PS-87427-0001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

PCB Headers

87427

Wire-to-Board

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

Overview

Product Name

minifit_jr

Mini-Fit Jr.™

Physical

Breakaway

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Temperature Range - Operating

No

10

Beige

30

No

No

Yes

Brass

Tin

Tin

Nylon

2

Right Angle

0.130 In

3.30 mm

No

None

0.062 In

1.60 mm

Tray

0.165 In

4.20 mm

0.165 In

4.20 mm

100

2.54

100

2.54

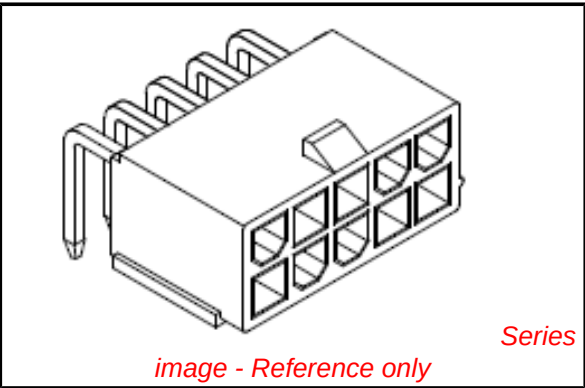
Yes

No

Fully

No

-40°C to +105°C



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

87427Series

Mates With

5557 Mini-Fit Jr.™ Receptacle Housing

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

13A

Voltage - Maximum

600V

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-87427-001

Product Specification

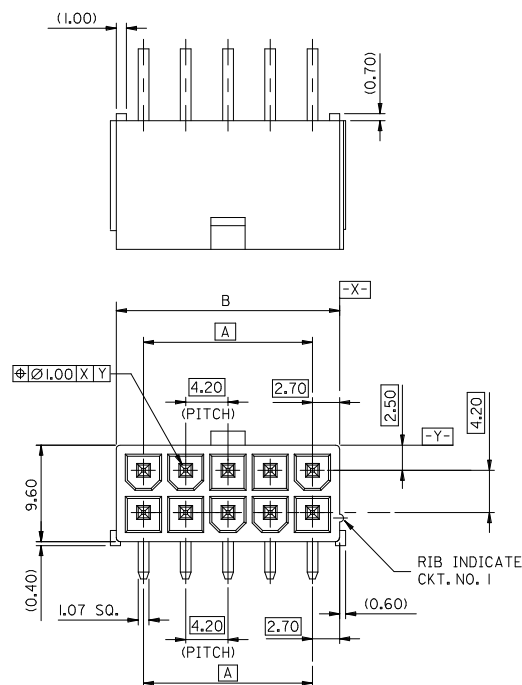
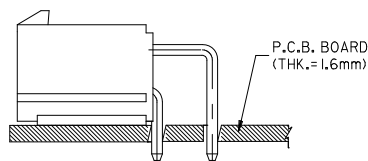
PS-87427-0001

Sales Drawing

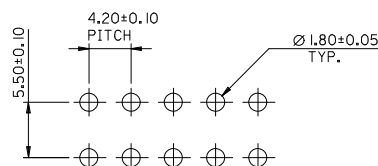
SD-87427-**0*

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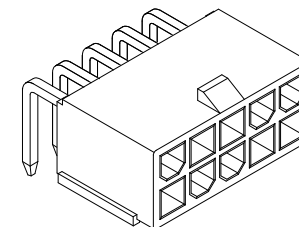
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RECOMMENDED INSTALLATION PATTERN



RECOMMENDED P.C.B. LAYOUT



ISOMETRIC VIEW

LEGEND

87427-****

CKT. SIZE
(SEE SHEET 2).

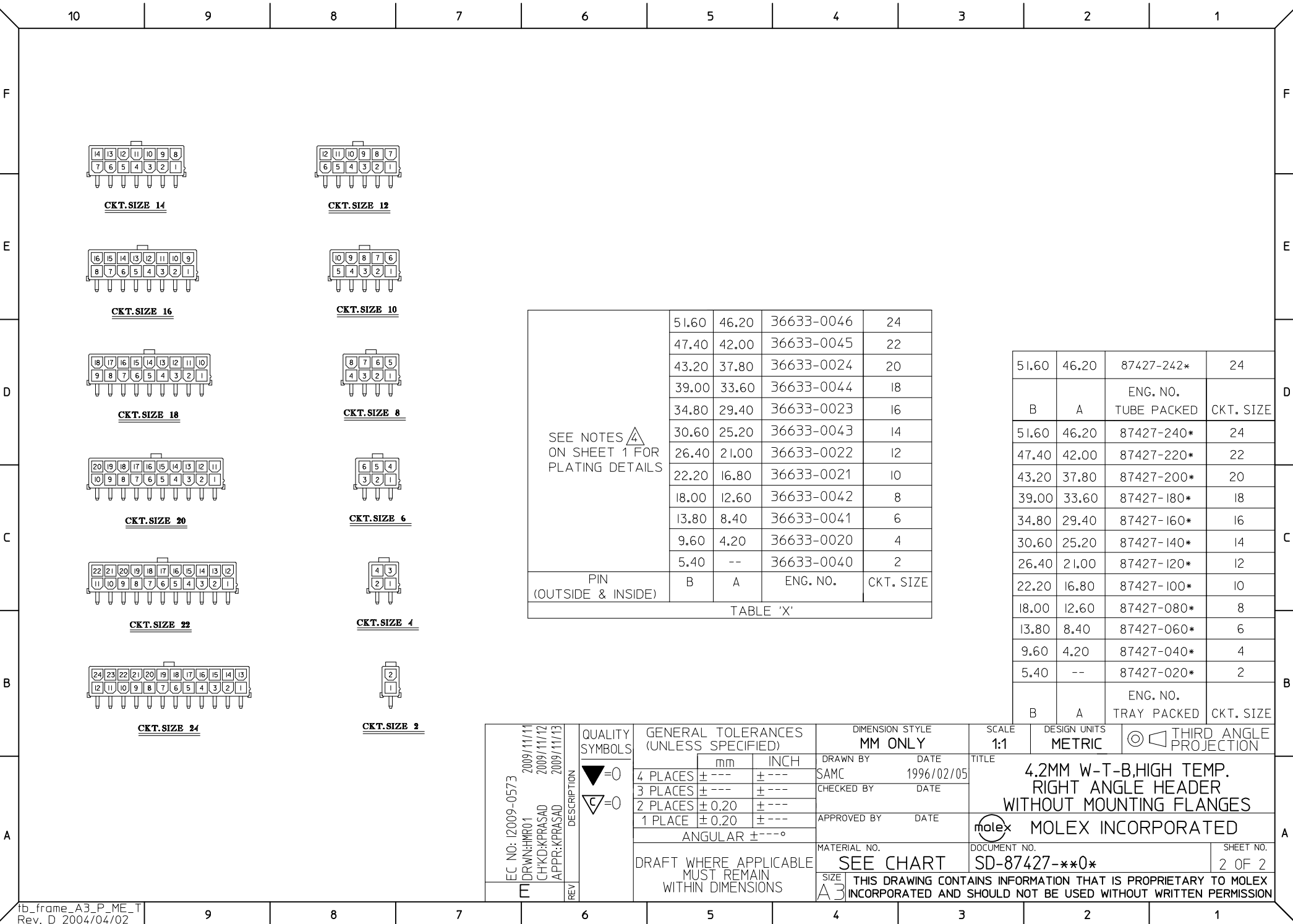
PLATING OPTIONS
2 = NOTE 2
3 = NOTE 3

PACKAGING OPTIONS
0 = TRAY PACKED
2 = TUBE PACKED

NOTES

- MATERIAL - HEADER : NYLON 46, UL94V-0, COLOR BEIGE
PIN : BRASS (1.07 SQUARE)
- PLATING OF PIN
TIN 2.54um MIN. OVER NICKEL 1.27um MIN.
- PLATING OF PIN
TIN 4-10um OVER COPPER 2-8um.
- PLATING OF PIN
TIN 2.54um MIN. OVER NICKEL 1.27um MIN. WITH MATT FINISH.
- PART NUMBERS 36633-0020 TO 36633-0024 & 36633-0040 TO 36633-0046 INCLUDED AS SHOWN IN TABLE 'X'.

CORRECT TOLERANCE EC NO: UCP2010-0395 T DRWN: JAGUILAR CHKD: EDMUD APPR: FSMITH	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY STEVEN	DATE 1995/02/27	TITLE 4.2MM W-T-B HIGH TEMP. RIGHT ANGLE HEADER WITHOUT MOUNTING FLANGES				
			4 PLACES	± ---	± ---	CHECKED BY EDMUD	DATE 1995/03/01					
			3 PLACES	± ---	± ---	APPROVED BY FSMITH	DATE 2010/04/09			molex MOLEX INCORPORATED		
			2 PLACES	± 0.20	± ---	MATERIAL NO. SEE CHART					DOCUMENT NO. SD-87427-**0*	SHEET NO. 1 OF 2
			1 PLACE	± 0.20	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
ANGULAR	± ---°											
REV					SIZE A 3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



SEE NOTES  ON SHEET 1 FOR PLATING DETAILS	51.60	46.20	36633-0046	24
	47.40	42.00	36633-0045	22
	43.20	37.80	36633-0024	20
	39.00	33.60	36633-0044	18
	34.80	29.40	36633-0023	16
	30.60	25.20	36633-0043	14
	26.40	21.00	36633-0022	12
	22.20	16.80	36633-0021	10
	18.00	12.60	36633-0042	8
	13.80	8.40	36633-0041	6
	9.60	4.20	36633-0020	4
	5.40	--	36633-0040	2
PIN (OUTSIDE & INSIDE)	B	A	ENG. NO.	CKT. SIZE

TABLE 'X'

51.60	46.20	87427-242*	24
B	A	ENG. NO. TUBE PACKED	CKT. SIZE
51.60	46.20	87427-240*	24
47.40	42.00	87427-220*	22
43.20	37.80	87427-200*	20
39.00	33.60	87427-180*	18
34.80	29.40	87427-160*	16
30.60	25.20	87427-140*	14
26.40	21.00	87427-120*	12
22.20	16.80	87427-100*	10
18.00	12.60	87427-080*	8
13.80	8.40	87427-060*	6
9.60	4.20	87427-040*	4
5.40	--	87427-020*	2
B	A	ENG. NO. TRAY PACKED	CKT. SIZE

EC NO: I2009-0573

2009/11/11

DRWN:HM01

2009/11/12

CHKD:KPRASAD

2009/11/13

APPR:KPRASAD

REV

DESCRIPTION

QUALITY SYMBOLS

=0

=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±0.20	±---
1 PLACE	±0.20	±---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY	DATE
SAMC	1996/02/05
CHECKED BY	DATE
APPROVED BY	DATE

MATERIAL NO.

SEE CHART

SIZE

A3

SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

4.2MM W-T-B,HIGH TEMP.
RIGHT ANGLE HEADER
WITHOUT MOUNTING FLANGES

 MOLEX INCORPORATED

DOCUMENT NO.

SD-87427-**0*

SHEET NO.

2 OF 2

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