

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0440670403](#)
Status: **Active**
Overview: [microfit_30](#)
Description: 3.00mm (.118") Pitch Micro-Fit 3.0™ Wire-to-Board Header, Dual Row, Vertical for up to 3.56mm (.140") Thick PCB, 4 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating

Documents:

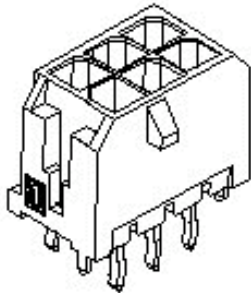
3D Model	Product Specification PS-43045 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	44067
Application	Wire-to-Board
Comments	High Temperature, Polarization Key to PCB
Overview	microfit_30
Product Name	Micro-Fit 3.0™

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.158 In
PC Tail Length (mm)	4.01 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.140 In
PCB Thickness Recommended (mm)	3.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Pitch - Term. Interface (in)	0.118 In
Pitch - Term. Interface (mm)	3.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Kinked Pin



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

**Contains SVHC: No
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

[44067Series](#)

Mates With

[43025](#) Micro-Fit™ Header

Electrical

Current - Maximum per Contact	5A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

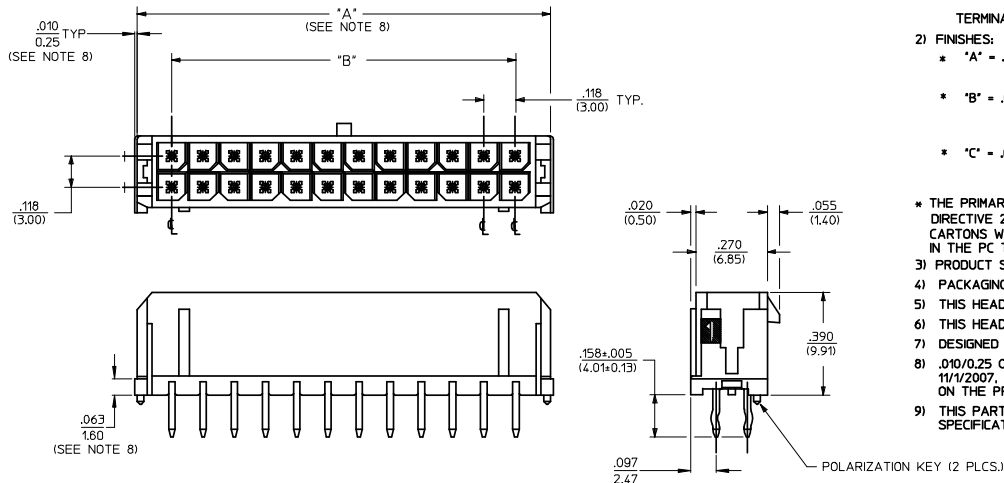
Packaging Specification	PK-70873-0314
Product Specification	PS-43045
Sales Drawing	SD-44067-001
Test Summary	TS-43045-002

This document was generated on 05/24/2010

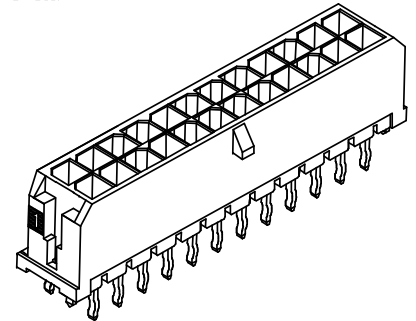
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ASSEMBLY ITEM NUMBER	PART CHARACTERISTICS FOR VERTICAL	
	NUMBER OF POSITION	PLATING OPTION
44067-0201	02	A
44067-0202	02	B
44067-0203	02	C
44067-0401	04	A
44067-0402	04	B
44067-0403	04	C
44067-0601	06	A
44067-0602	06	B
44067-0603	06	C
44067-0801	08	A
44067-0802	08	B
44067-0803	08	C
44067-1001	10	A
44067-1002	10	B
44067-1003	10	C
44067-1201	12	A
44067-1202	12	B
44067-1203	12	C
44067-1401	14	A
44067-1402	14	B
44067-1403	14	C
44067-1601	16	A
44067-1602	16	B
44067-1603	16	C
44067-1801	18	A
44067-1802	18	B
44067-1803	18	C
44067-2001	20	A
44067-2002	20	B
44067-2003	20	C
44067-2201	22	A
44067-2202	22	B
44067-2203	22	C
44067-2401	24	A
44067-2402	24	B
44067-2403	24	C

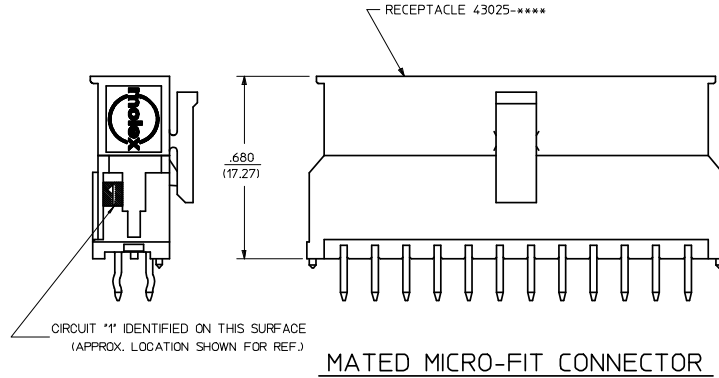
CKT. NO.	DIM. "A" (SEE NOTE 8)	DIM. "B" (SEE NOTE 8)	DIM. "C" (SEE NOTE 8)
2	.262/(6.65)	NA	SEE LAYOUT
4	.380/(9.65)	.118/(3.00)	SEE LAYOUT
6	.498/(12.65)	.236/(6.00)	.472/(12.00)
8	.616/(15.65)	.354/(9.00)	.590/(15.00)
10	.734/(18.65)	.472/(12.00)	.708/(18.00)
12	.852/(21.65)	.591/(15.00)	.827/(21.00)
14	.970/(24.65)	.709/(18.00)	.945/(24.00)
16	1.088/(27.65)	.827/(21.00)	1.063/(27.00)
18	1.206/(30.65)	.945/(24.00)	1.181/(30.00)
20	1.325/(33.65)	1.063/(27.00)	1.299/(33.00)
22	1.443/(36.65)	1.181/(30.00)	1.417/(36.00)
24	1.561/(39.65)	1.299/(33.00)	1.535/(39.00)



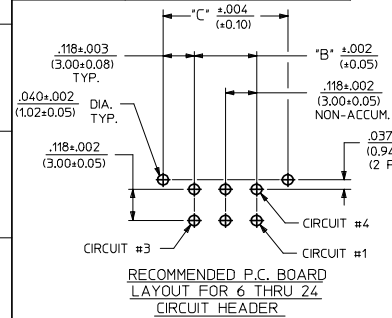
VERTICAL O.T.R. THRU HOLE
(LONGER P.C. TAIL LENGTH)



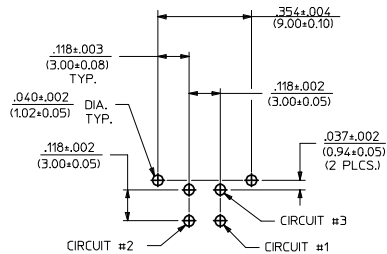
VERTICAL KINKED
THRU HOLE HEADER
ISO VIEW



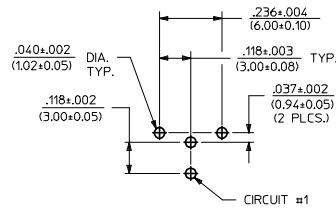
MATED MICRO-FIT CONNECTOR



RECOMMENDED P.C. BOARD
LAYOUT FOR 6 THRU 24
CIRCUIT HEADER



RECOMMENDED P.C. BOARD
LAYOUT FOR 4 CIRCUIT
HEADER



RECOMMENDED P.C. BOARD
LAYOUT FOR 2 CIRCUIT
HEADER

NOTES:

- 1) MATERIAL:
HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED
UL94V-0, COLOR - BLACK
TERMINAL - BRASS ALLOY
- 2) FINISHES:
 - * "A" - .000100/(0.00254) MIN. TIN OVER
.000050/(0.00127) MIN. NICKEL PLATE.
 - * "B" - .000015/(0.00038) MIN. SELECT GOLD IN CONTACT AREA,
.000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS,
BOTH OVER .000050/(0.00127) MIN. NICKEL PLATE.
 - * "C" - .000030/(0.00076) MIN. SELECT GOLD IN CONTACT AREA,
.000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS,
BOTH OVER .000050/(0.00127) MIN. NICKEL PLATE.
- * THE PRIMARY SHIPPING CARTON WILL BE LABELED, "COMPLIANT TO RoHS
DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC", AND
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD
IN THE PC TAIL.
- 3) PRODUCT SPECIFICATION: PS-43045.
- 4) PACKAGING SPECIFICATIONS ARE SHOWN ON DRAWING #PK-70873-0314.
- 5) THIS HEADER MATES WITH MICRO-FIT RECEPTACLE #43025-****.
- 6) THIS HEADER IS DESIGNED IN METRIC.
- 7) DESIGNED FOR .140/(3.56) MAX. THICK P.C. BOARDS.
- 8) .010/.025 OFFSETS ARE PRESENT ON ALL PARTS MANUFACTURED AFTER
11/1/2007, AND ON PARTS PRIOR TO 11/1/2007 THAT CONTAIN A GREEN DOT
ON THE PRIMARY SHIPPING CARTON LABEL.
- 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.

9			ADD .097 DIM. NOTE		1		REV		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE				SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: UCP/2008-0324			DRAWN BY: J. GUZIK		2007/12/19		1				▽=0		mm				IN/MM				4:1		METRIC		MICRO-FIT(3.0)	
2007/12/20			CHECKED BY: J. GUZIK		2007/12/20		1				▽=0		4 PLACES ± --- ± ---				DATE 1997/12/25						2-24 CKT. VERTICAL			
							1						3 PLACES ± .025 ± .010				DATE 1997/12/25									
							1						2 PLACES ± .025 ± .014				DATE 1997/12/25									
							1						1 PLACE ± .036 ± ---				DATE 1997/12/25									
													ANGULAR ±1/2°				MOLEX MOLEX INCORPORATED									
													DRAFT WHERE APPLICABLE				SEE CHART									
													MUST REMAIN				SD-44067-001									
													WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX									
																	INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									