

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0449140201
Status: Active
Overview: microfit_30
Description: 3.00mm (.118") Pitch Micro-Fit 3.0 CPI™ Header, Compliant Pin Interface, Dual Row, Vertical, 2 Circuits, Tin (Sn) Plating, Glow Wire Compatible

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-43045 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

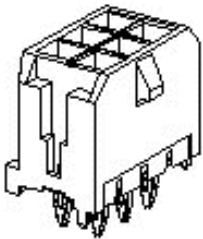
CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	PCB Headers
Series	44914
Application	Wire-to-Board
Application Tooling Part Link	622008400
Comments	Glow Wire Equivalent Part Number 449140201 . High Temperature, Square Pin
Overview	microfit_30
Product Literature Order No	USA-106
Product Name	Micro-Fit 3.0 CPI™

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin



Series

image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
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
44914Series

Mates With
43025-0200

Application Tooling | FAQ
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.
Global

Description	Product #
Micro-Fit™	0622008400
Compliant Pin	
Insertion Flat Rock	
Tool	

Electrical

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

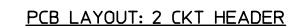
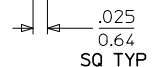
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0314
Product Specification	PS-43045, RPS-43045-003, RPS-43045-004
Sales Drawing	SD-44914-001

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CKTS	A (SEE NOTE 7)	B	C
02	<u>.262</u> 6.65	NA	<u>.236</u> 6.00
04	<u>.380</u> 9.65	<u>.118</u> 3.00	<u>.354</u> 9.00
06	<u>.498</u> 12.65	<u>.236</u> 6.00	<u>.472</u> 12.00
08	<u>.616</u> 15.65	<u>.354</u> 9.00	<u>.591</u> 15.00
10	<u>.734</u> 18.65	<u>.472</u> 12.00	<u>.709</u> 18.00
12	<u>.852</u> 21.65	<u>.591</u> 15.00	<u>.827</u> 21.00
14	<u>.970</u> 24.65	<u>.709</u> 18.00	<u>.945</u> 24.00
16	<u>1.088</u> 27.65	<u>.827</u> 21.00	<u>1.063</u> 27.00
18	<u>1.206</u> 30.65	<u>.945</u> 24.00	<u>1.181</u> 30.00
20	<u>1.325</u> 33.65	<u>1.063</u> 27.00	<u>1.299</u> 33.00
22	<u>1.443</u> 36.65	<u>1.181</u> 30.00	<u>1.417</u> 36.00
24	<u>1.561</u> 39.65	<u>1.299</u> 33.00	<u>1.535</u> 39.00

1. HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER, UL94V-0, COLOR: BLACK
TERMINAL MATERIAL: MODIFIED TIN/BRASS ALLOY

2. FINISH: A = .000200/(0.0051) MIN. TIN OVER .000050/(0.0013) MIN. NICKEL PLATE.
B = .000015/(0.00038) MINIMUM GOLD IN SELECTIVE AREA,
.000060/(0.00152) MINIMUM TIN/LEAD (90/10) ON PCB TAILS,
BOTH OVER .000050/(0.00127) MINIMUM NICKEL PLATE.
C = .000030/(0.00076) MINIMUM GOLD IN SELECTIVE AREA,
.000060/(0.00152) MINIMUM TIN/LEAD (90/10) ON PCB TAILS,
BOTH OVER .000050/(0.00127) MINIMUM NICKEL PLATE.

3. PRODUCT SPECIFICATION: PS-43045
4. TRAY PACKAGED: SEE MOLEX DRAWING PK-70873-0314
5. MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43025
6. HEADER INSTALLATION REQUIRES A MINIMUM FORCE OF 24LBS/(107 N)
PER CIRCUIT DISTRIBUTED EQUALLY ACROSS THE ENTIRE HOUSING SURFACE.
7. .010/0.25 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.
8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION
PS-45499-002.

ADD. 097 DIM. NOTE 8	EC NO: UCP2008-0324	DRWN:KIPPER	2007/12/19	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		CH'KD:SSOUSEK	2007/12/20				IN/MM	---	METRIC		
	APPR:FSMITH	2007/12/21									