

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0430451283

Status:

Active

Overview:

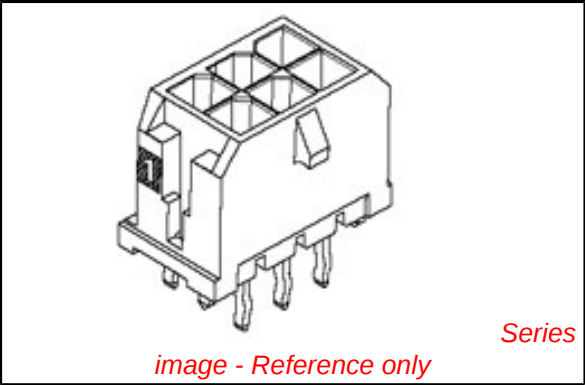
microfit_30

Description:

3.00mm (.118") Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Dual Row, Vertical, with PCB Polarizing Peg, 12 Circuits, Glow Wire Compatible

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

Agency Certification	
CSA	LR19980
TUV	R72081037
UL	E29179
General	
Product Family	PCB Headers
Series	43045
Application	Wire-to-Board
Overview	microfit_30
Product Name	Micro-Fit 3.0™
Physical	
Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
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
Electrical	
Current - Maximum per Contact	5A
Voltage - Maximum	250V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	30



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

43045Series

Mates With

43025

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

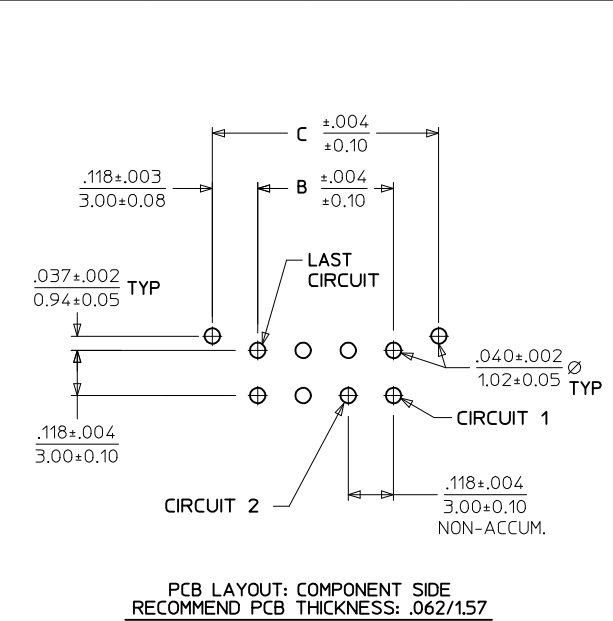
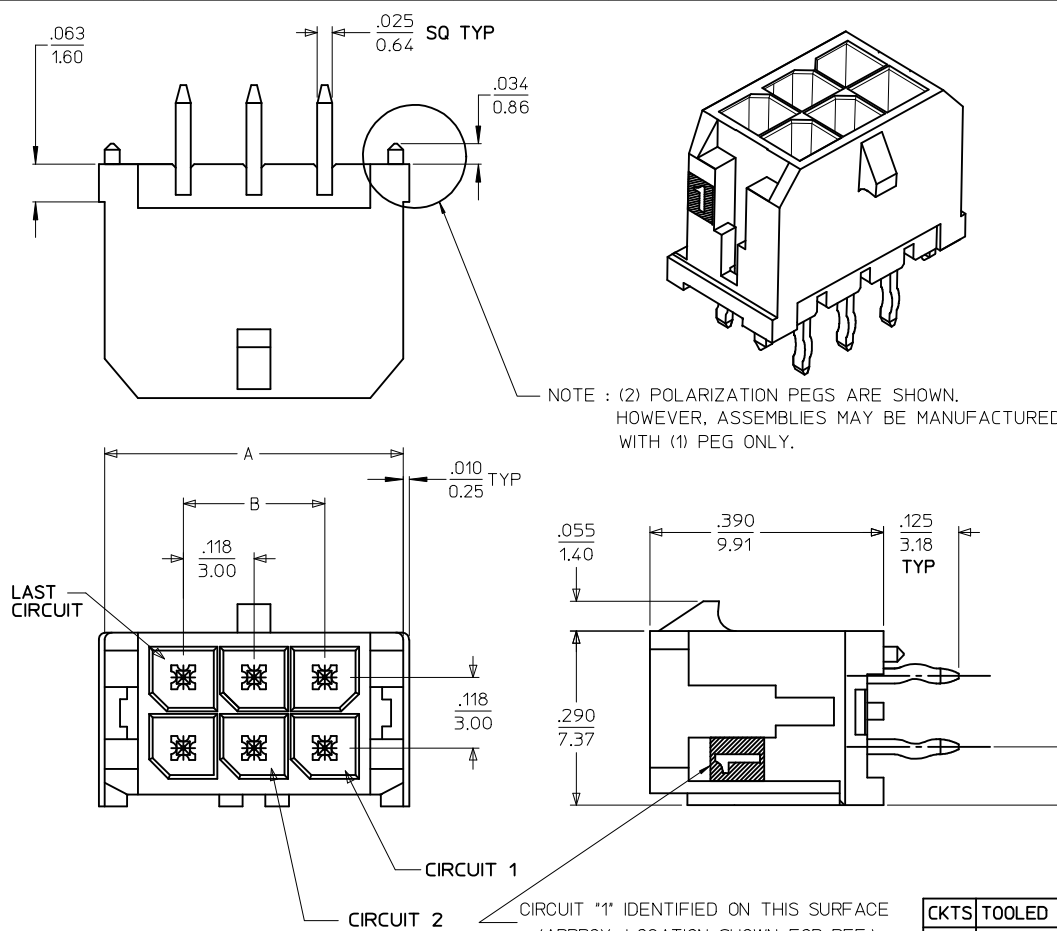
Material Info

Reference - Drawing Numbers

Application Specification	AS-43555-001
Packaging Specification	PK-70873-09**
Product Specification	PS-43045
Sales Drawing	SD-43045-030
Test Summary	TS-43045-001

This document was generated on 05/24/2010

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CKTS	A	B	C
02	.262 6.65	NA	.236 6.00
04	.380 9.65	.118 3.00	.354 9.00
06	.498 12.65	.236 6.00	.472 12.00
08	.616 15.65	.354 9.00	.591 15.00
10	.734 18.65	.472 12.00	.709 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

NOTES:

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

2. FINISH: 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.

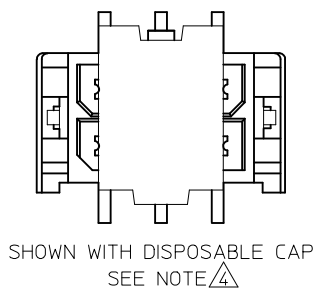
3. PRODUCT SPECIFICATION: PS-43045

4. PACKAGING: TAPE & REEL (WITH DISPOSABLE CAPS) PER PK-70873-09**.

5. MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43025

6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

CKTS	TOOLED	FINISH A MATERIAL NO:	FINISH B MATERIAL NO:	FINISH C MATERIAL NO:
02	NO	43045-0283	43045-0284	43045-0285
04	NO	43045-0483	43045-0484	43045-0485
06	NO	43045-0683	43045-0684	43045-0685
08	NO	43045-0883	43045-0884	43045-0885
10	NO	43045-1083	43045-1084	43045-1085
12	YES	43045-1283	43045-1284	43045-1285
14	NO	43045-1483	43045-1484	43045-1485
16	NO	43045-1683	43045-1684	43045-1685
18	NO	43045-1883	43045-1884	43045-1885
20	NO	43045-2083	43045-2084	43045-2085
22	NO	43045-2283	43045-2284	43045-2285
24	NO	43045-2483	43045-2484	43045-2485



INITIAL RELEASE
EC NO: UCP2009-1474
DRWN:SSOUSEK 2009/03/07
CHKD:SSOUSEK 2009/03/13
APPR:FSM1TH 2009/03/16

DESCRIPTION

REV
A

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .010
2 PLACES ± 0.25 ± .014
1 PLACE ± 0.36 ± ---
ANGULAR ± 1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM

DRAWN BY
TRBENES

CHECKED BY
SSOUSEK

APPROVED BY
FSM1TH

MATERIAL NO.
SEE CHART

SIZE
C

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
MICRO FIT (3.0)
DUAL ROW VERTICAL THRU
HOLE HDR TAPE & REEL
MOLEX INCORPORATED

DOCUMENT NO.
SD-43045-030

SHEET NO.
1 OF 1

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