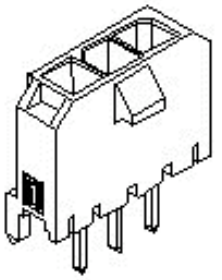
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Part Number: 0436501029
Status: Active
Overview: microfit_30
Description: 3.00mm (.118") Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Vertical, with PCB Polarizing Peg, 10 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, Glow Wire Compatible



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Packaging Specification (PDF)
- Product Specification PS-43650 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	PCB Headers
Series	43650
Application	Wire-to-Board
Comments	High Temperature|Square Pin|Solder Type
Overview	microfit_30
Product Literature Order No	USA-106
Product Name	Micro-Fit 3.0™

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	Yes
Lock to Mating Part	Yes
Mated Height (in)	0.680 In
Mated Height (mm)	17.27 mm
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.125 In
PC Tail Length (mm)	3.18 mm
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: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5

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
43650Series

Mates With
43645 Micro-Fit 3.0™ Receptacle Housing

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

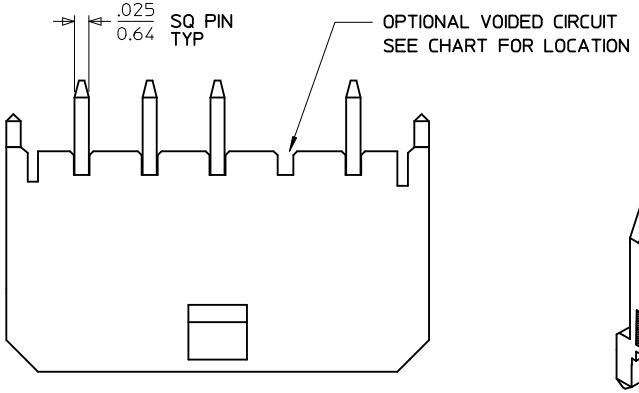
Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

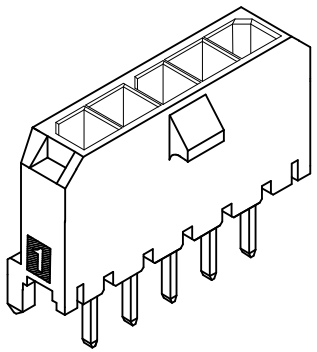
Material Info

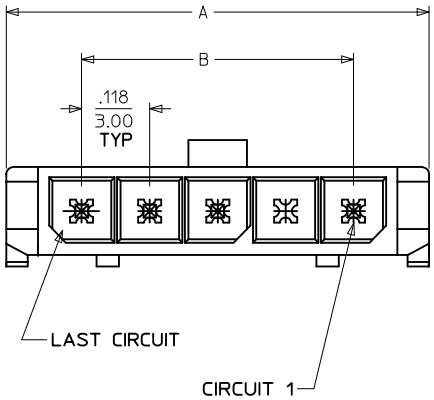
Reference - Drawing Numbers

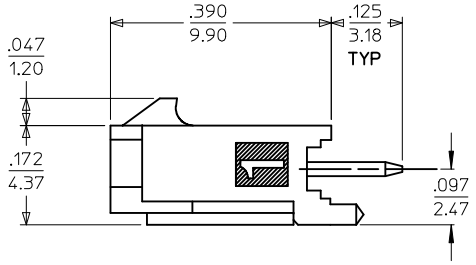
Packaging Specification	PK-70873-0811
Product Specification	PS-43650
Sales Drawing	SD-43650-010
Test Summary	TS-43045-002

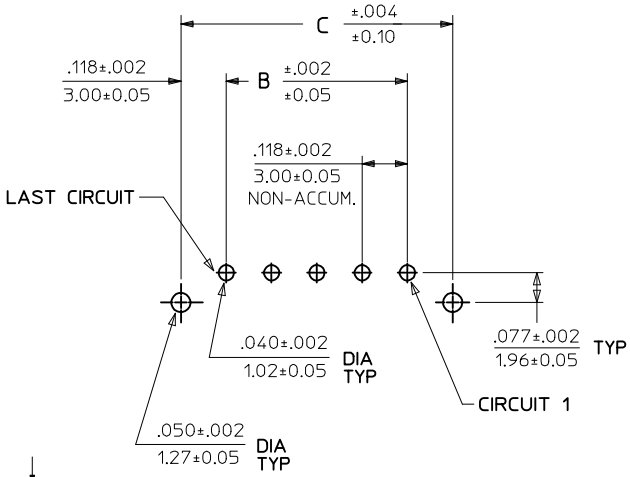
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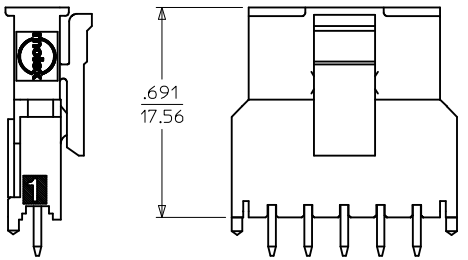




PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: .062/1.57

CKTS	A	B	C
2	.380 / 9.65	.118 / 3.00	.354 / 9.00
3	.498 / 12.65	.236 / 6.00	.472 / 12.00
4	.616 / 15.65	.354 / 9.00	.591 / 15.00
5	.734 / 18.64	.472 / 12.00	.709 / 18.00
6	.852 / 21.64	.591 / 15.00	.827 / 21.00
7	.970 / 24.64	.709 / 18.00	.945 / 24.00
8	1.088 / 27.64	.827 / 21.00	1.063 / 27.00
9	1.206 / 30.63	.945 / 24.00	1.181 / 30.00
10	1.325 / 33.66	1.063 / 27.00	1.299 / 33.00
11	1.443 / 36.65	1.181 / 30.00	1.417 / 36.00
12	1.561 / 39.65	1.299 / 33.00	1.535 / 39.00

CKTS	FINISH A MATERIAL NO:	VOID CKTS	FINISH B MATERIAL NO:	VOID CKTS	FINISH C MATERIAL NO:	VOID CKTS
02	43650-0227		43650-0228		43650-0229	
03	43650-0327		43650-0328		43650-0329	
04	43650-0427		43650-0428		43650-0429	
05	43650-0527		43650-0528		43650-0529	
06	43650-0627		43650-0628		43650-0629	
07	43650-0727		43650-0728		43650-0729	
08	43650-0827		43650-0828		43650-0829	
09	43650-0927		43650-0928		43650-0929	
10	43650-1027		43650-1028		43650-1029	
11	43650-1127		43650-1128		43650-1129	
12	43650-1227		43650-1228		43650-1229	
04	43650-0451	2,3				
05	43650-0551	2,3,4				
06			43650-0652	2,3,4,5		



MATED MICRO FIT CONNECTORS

NOTES:

1. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, GLASS FILLED, UL94V-0, COLOR: BLACK
   TERMINAL MATERIAL: BRASS ALLOY
2. FINISH:
   A = .000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL
   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) NICKEL OVERALL
   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) NICKEL OVERALL
   * THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC." CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN/LEAD IN THE PC TAIL AREA.
3. PRODUCT SPECIFICATION: PS-43650
4. TRAY PACKAGED : SEE MOLEX DRAWING PK-70873-0811
5. MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43645
6. PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

ADD VOID PARTS
EC NO: UCP2010-0036 2009/07/13
DRWN:SSOUSEK 2009/07/13
CHKD: JBELL
APPR:FSMITH 2009/07/14
DESCRIPTION
D1
REV

QUALITY SYMBOLS
▼=0
▽C=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
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SAMIEC DATE: 2000/07/07
CHECKED BY: MUELLER DATE: 2000/07/07
APPROVED BY: EDGLEY DATE: 2000/07/07

TITLE: MICRO FIT (3.0) SINGLE ROW / VERTICAL THRU HOLE / PEGS / TRAY

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-43650-010
SHEET NO.: 1 OF 1

SIZE C

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