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Part Number: [0436500701](#)
Status: **Active**
Overview: [microfit_30](#)
Description: 3.00mm (.118") Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 7 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Glow Wire Compatible

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Packaging Specification \(PDF\)](#)
[Product Specification PS-43650 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

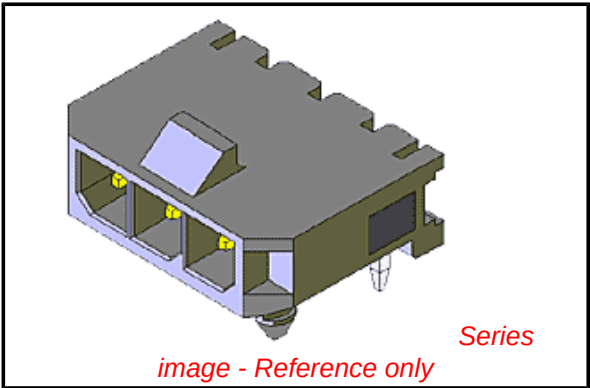
UL E29179

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) 7
Circuits (maximum) 7
Color - Resin Black
Durability (mating cycles max) 30
Flammability 94V-0
Glow-Wire Compliant Yes
Mated Height (in) 0.275 In
Mated Height (mm) 6.98 mm
Material - Metal Brass
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Right Angle
PCB Locator Yes
PCB Retention Yes
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) 15
Plating min: Mating (µm) 0.375
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



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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

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-70873-0321

Product Specification

PS-43650

Sales Drawing

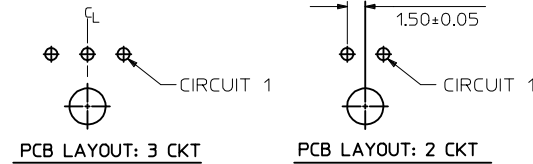
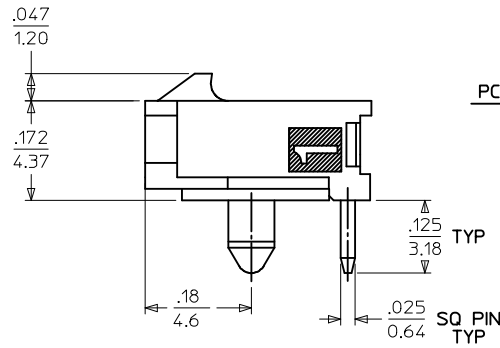
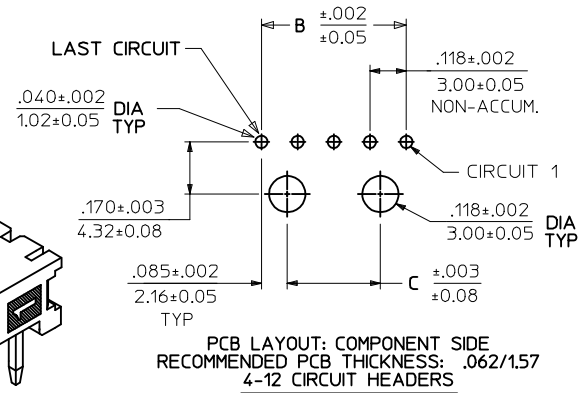
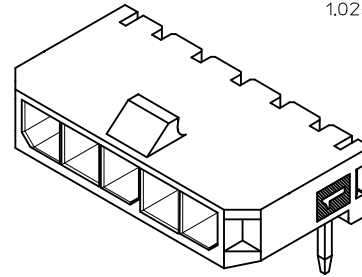
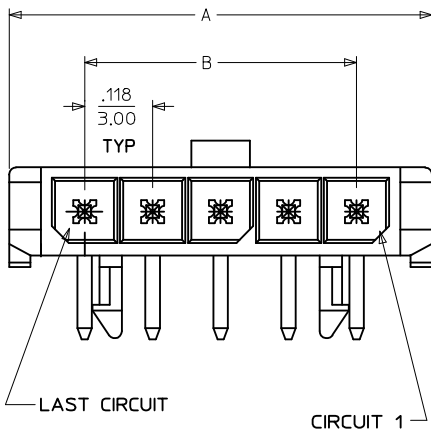
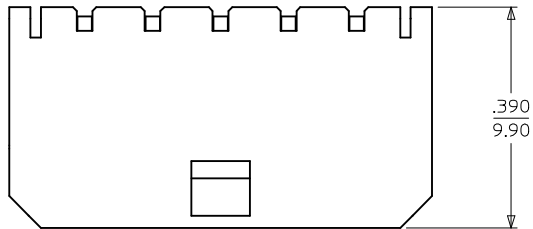
SD-43650-001

Test Summary

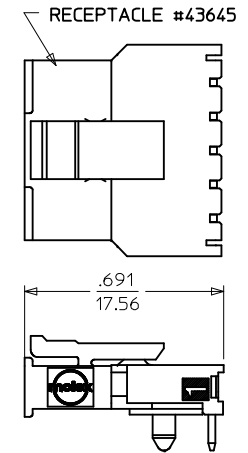
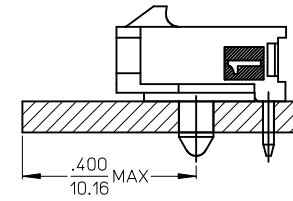
TS-43045-002

This document was generated on 05/26/2010

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LOCATION DETAIL (SEE NOTE #6)



MATED MICRO FIT CONNECTOR

NOTES:

- HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, GLASS FILLED, UL94V-0, COLOR - BLACK
TERMINAL MATERIAL: BRASS ALLOY
- 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
 - D = .000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL
- PRODUCT SPECIFICATION: PS-43650
- TRAY PACKAGED : SEE MOLEX DRAWING PK-70873-0321
- MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43645
- TO AVOID INTERFERENCE BETWEEN RECEPTACLE AND PCB, HEADER MUST BE PLACED WITHIN .400/(10.16) MAX. FROM EDGE OF PCB, AS SHOWN IN LOCATION DETAIL.
- PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

	FINISH A	FINISH B	FINISH C	FINISH D
CKTS	MATERIAL NO:	MATERIAL NO:	MATERIAL NO:	MATERIAL NO:
02	43650-0200	43650-0201	43650-0202	43650-0237
03	43650-0300	43650-0301	43650-0302	
04	43650-0400	43650-0401	43650-0402	
05	43650-0500	43650-0501	43650-0502	
06	43650-0600	43650-0601	43650-0602	
07	43650-0700	43650-0701	43650-0702	
08	43650-0800	43650-0801	43650-0802	
09	43650-0900	43650-0901	43650-0902	
10	43650-1000	43650-1001	43650-1002	
11	43650-1100	43650-1101	43650-1102	
12	43650-1200	43650-1201	43650-1202	

ADD MATTE FINISH EC NO: UCP2009-3156 2009/07/01 DRWN:SSOUSEK CHKD:MKIPPER 2009/07/02 APPR:FSMLTH 2009/07/02	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.35 ± --- ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE IN/MM DRAWN BY DATE SAMIEC 2000/07/07 CHECKED BY DATE MUELLER 2000/07/07 APPROVED BY DATE EDGLEY 2000/07/07	SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION	MICRO-FIT (3.0) SINGLE ROW / RIGHT ANGLE THRU HOLE / PEGS / TRAY	
					MOLEX INCORPORATED	
					DOCUMENT NO. SD-43650-001	
					SHEET NO. 1 OF 1	

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