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Part Number: [0436500224](#)
Status: **Active**
Overview: [microfit_30](#)
Description: 3.00mm (.118") Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Vertical, with Solder Tab, 2 Circuits, Tin (Sn) Plating, Glow Wire Compatible

Documents:

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

Agency Certification

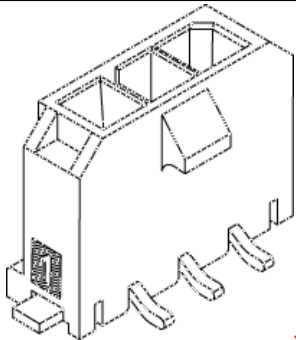
CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	PCB Headers
Series	43650
Application	Wire-to-Board
Comments	Glow Wire Equivalent Part Number 436500224 . 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)	2
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	Yes
Mated Height (in)	0.680 In
Mated Height (mm)	17.27 mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Plating min: Mating (µin)	100, 35
Plating min: Mating (µm)	0.88, 2.5
Plating min: Termination (µin)	100, 35
Plating min: Termination (µm)	0.88, 2.5
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°C



Series
image - Reference only

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	Surface Mount
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Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

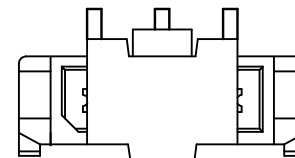
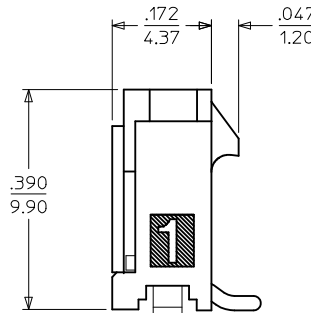
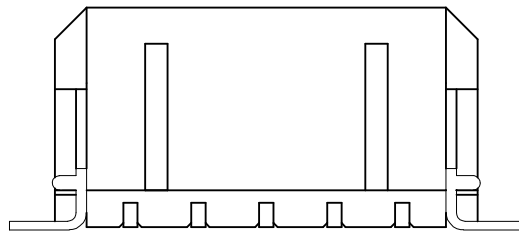
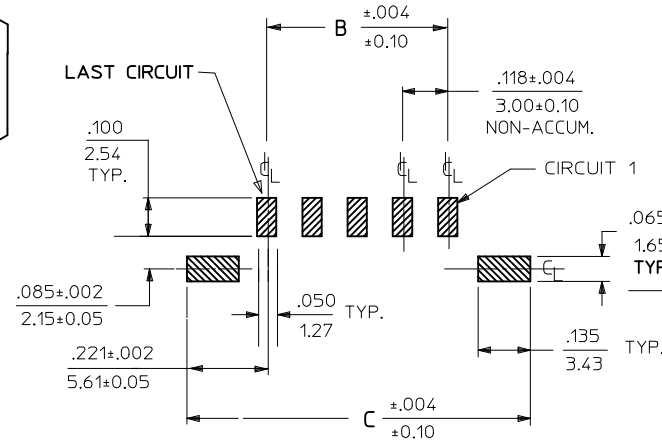
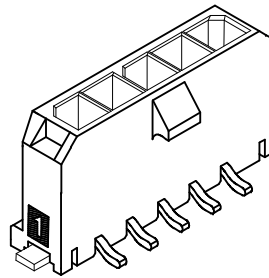
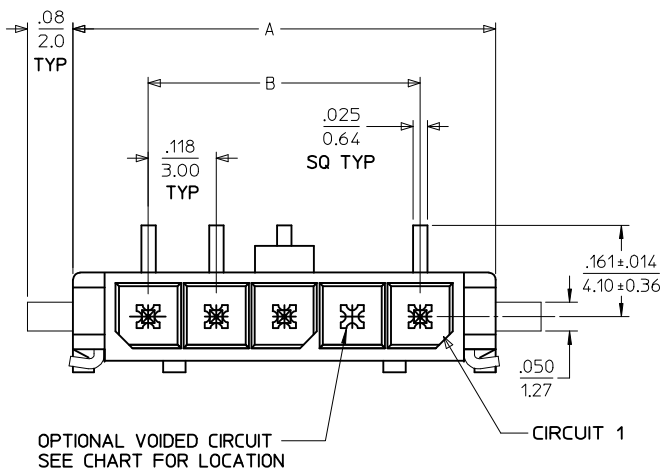
Material Info

Reference - Drawing Numbers

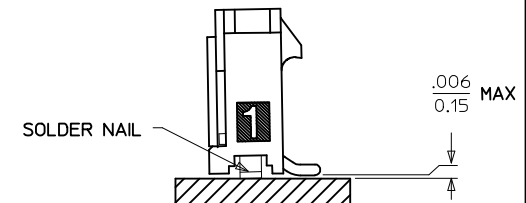
Packaging Specification	PK-70873-07**
Product Specification	PS-43650
Sales Drawing	SD-43650-009

This document was generated on 05/24/2010

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SHOWN WITH DISPOSABLE CAP
(FOR REMOVAL FROM TAPE & REEL PACKAGING)
SEE NOTE #4



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
* 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.
- PRODUCT SPECIFICATION: PS-43650
- TAPE AND REEL PACKAGED : SEE MOLEX DRAWING PK-70873-07**
- MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43645
- THE COPLANARITY DIMENSION IS ESTABLISHED BY PLACING THE ASSEMBLY ON A FLAT SURFACE. THE DISTANCE FROM THAT SURFACE TO THE BOTTOM OF ANY TERMINAL OR NAIL MUST NOT EXCEED .006/0.15
- PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

	FINISH A		VOID CKTS	FINISH B		VOID CKTS	FINISH C		VOID CKTS
CKTS	MATERIAL NO:			MATERIAL NO:			MATERIAL NO:		
02	43650-0224			43650-0225			43650-0226		
03	43650-0324			43650-0325			43650-0326		
04	43650-0424			43650-0425			43650-0426		
05	43650-0524			43650-0525			43650-0526		
06	43650-0624			43650-0625			43650-0626		
07	43650-0724			43650-0725			43650-0726		
08	43650-0824			43650-0825			43650-0826		
09	43650-0924			43650-0925			43650-0926		
10	43650-1024			43650-1025			43650-1026		
11	43650-1124			43650-1125			43650-1126		
12	43650-1224			43650-1225			43650-1226		
03	43650-0350			2					
06	43650-0650		3.5						

ADD VOID PARTS EC NO: UCP2009-3037 DRAWN:SSOUSEK CHKD:KMK IPPER APPR:FSM LTH	DESCRIPTION 2009/06/16 2009/06/17 2009/06/17	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY SAMIEC	DATE 2000/07/07	TITLE MICRO-FIT (3.0) SINGLE ROW/VERTICAL SMT/NAILS/REEL MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY MUELLER	DATE 2000/07/07			
			3 PLACES	± ---	± .010	APPROVED BY EDGLEY	DATE 2000/07/07			
			2 PLACES	± 0.25	± .014	DOCUMENT NO. SD-43650-009				
			1 PLACE	± 0.36	± ---					SHEET NO. 1 OF 1
			ANGULAR ±1/2°			MATERIAL NO. SEE CHART				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		