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Part Number: [0436400900](#)
Status: **Active**
Overview: [microfit_30](#)
Description: 3.00mm (.118") Pitch Micro-Fit 3.0™ Plug Housing, Single Row, with Panel Mount Ears, 9 Circuits

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

[Product Specification PS-43650 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	Crimp Housings
Series	43640
Overview	microfit_30
Product Literature Order No	USA-106
Product Name	Micro-Fit 3.0™

Physical

Circuits (maximum)	9
Color - Resin	Black
Flammability	94V-0
Gender	Male
Glow-Wire Compliant	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Polyester
Number of Rows	1
Packaging Type	Bag
Panel Mount	Yes
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Polarized to Mating Part	No
Stackable	No
Temperature Range - Operating	-40°C to +105°C

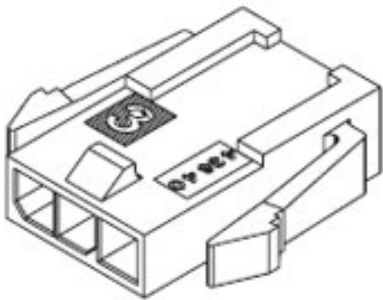
Electrical

Current - Maximum per Contact	5A
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Material Info

Reference - Drawing Numbers

Product Specification	PS-43650
Sales Drawing	SD-43640-****



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Not Reviewed**
**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
[43640Series](#)

Mates With
Micro-Fit 3.0™ Receptacle Housing [43645](#)

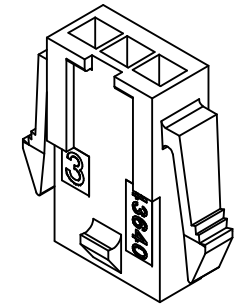
Use With
Micro-Fit 3.0™ Crimp Terminal [43031](#)

X-CONTACT FACTORY	ASSEMBLY ITEM NUMBER	PART CHARACTERISTICS
		NUMBER OF POSITION
	43640-0200	02
	43640-0300	03
	43640-0400	04
	43640-0500	05
	43640-0600	06
X	43640-0700	07
X	43640-0800	08
X	43640-0900	09
X	43640-1000	10
X	43640-1100	11
X	43640-1200	12

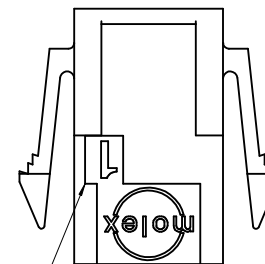
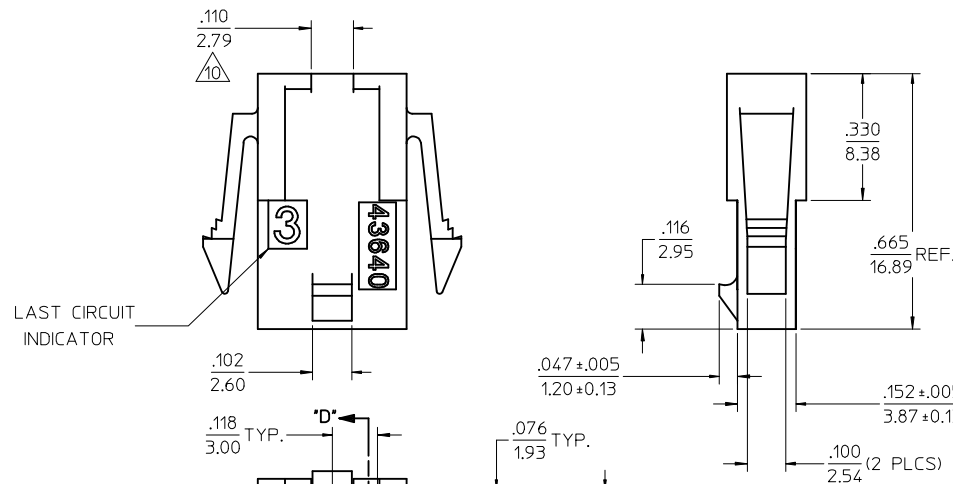
CKT. NO.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"
2	.270/6.85	.118/3.00	.284/7.21	.429/10.90
3	.388/9.85	.236/6.00	.402/10.21	.547/13.89
4	.506/12.85	.354/9.00	.520/13.21	.665/16.89
5	.624/15.85	.472/12.00	.638/16.21	.783/19.89
6	.742/18.85	.591/15.00	.756/19.21	.901/22.89
7	.860/21.85	.709/18.00	.874/22.20	1.019/25.88
8	.978/24.85	.827/21.00	.992/25.20	1.137/28.88
9	1.096/27.85	.945/24.00	1.110/28.20	1.255/31.88
10	1.215/30.85	1.063/27.00	1.229/31.22	1.373/34.87
11	1.333/33.85	1.181/30.00	1.347/34.22	1.491/37.87
12	1.451/36.85	1.299/33.00	1.465/37.22	1.609/40.87

NOTES:

1. HOUSING MATERIAL: UNFILLED POLYESTER, RATED UL94V-0
COLOR IS BLACK
2. FINISH: NONE
3. PRODUCT SPECIFICATION: PS-43650
4. PACKAGING SPECIFICATION: NONE
5. THIS HOUSING MATES WITH MICRO-FIT RECEPTACLE #43645-****.
6. THIS HOUSING IS DESIGNED IN METRIC
7. THIS HOUSING TO BE USED WITH MOLEX MALE TERMINAL #43031-****.
8. PLUG DESIGNED FOR .062/1.57 TO .090/2.30 THICK STAMPED
PANEL OR P.C.BOARD.
9. SEE SECTION "D"- "D" FOR TERMINAL ORIENTATION IN HOUSING.
10. THIS DIMENSION APPLIES TO PLUG CKT. SIZES 2 THRU 12 ONLY.
11. SEE SHEET 2 FOR PLUG WITHOUT PANEL MOUNTS.
12. PANEL MOUNT FEATURES MUST LOCK ON SIDE OPPOSITE PUNCH
SIDE FOR OPTIMUM RETENTION.
13. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.



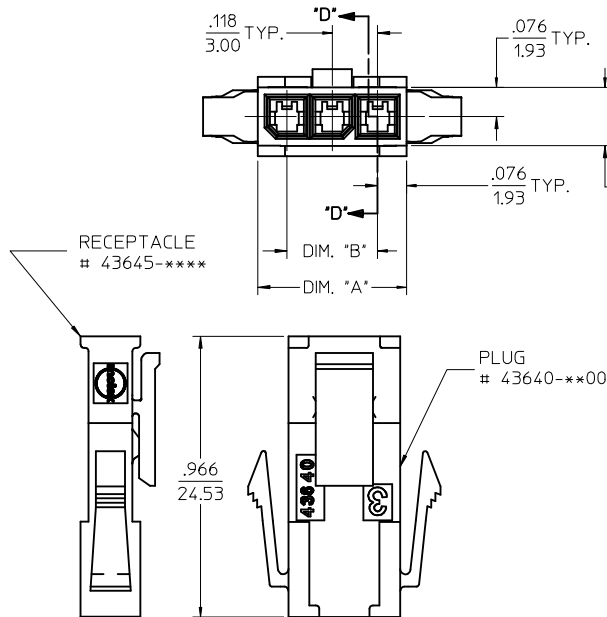
PLUG WITH
PANEL MOUNTS



FIRST CIRCUIT
INDICATOR

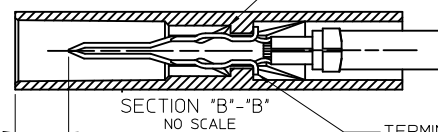
TERMINAL LOCKING TABS MUST BE FULLY SEATED
TO HOUSING BEFORE MATING WITH OTHER HALF
OF CONNECTOR SYSTEM.

RECOMMENDED PANEL CUT-OUT



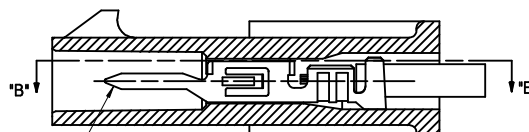
RECEPTACLE
43645-****

PLUG
43640-****

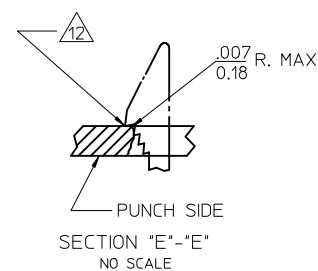


SECTION "B"- "B"
NO SCALE

TERMINAL STOPS



SECTION "D"- "D"
WITH TERMINAL
NO SCALE



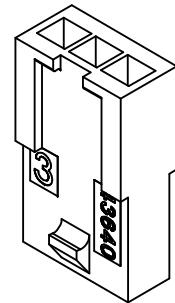
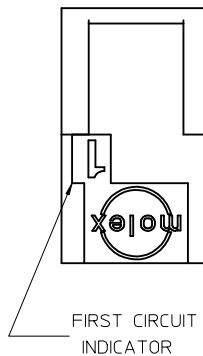
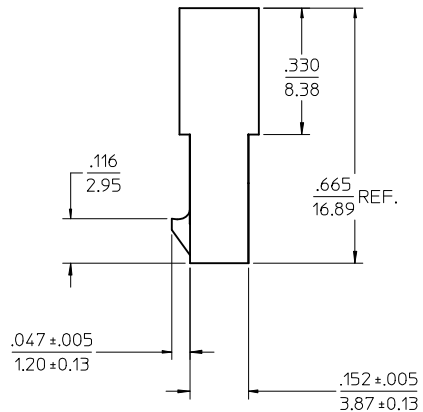
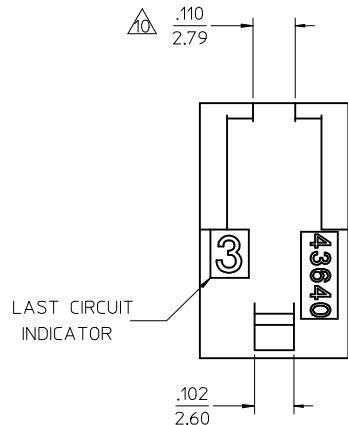
PUNCH SIDE
SECTION "E"- "E"
NO SCALE

MATED MICRO-FIT CONNECTOR

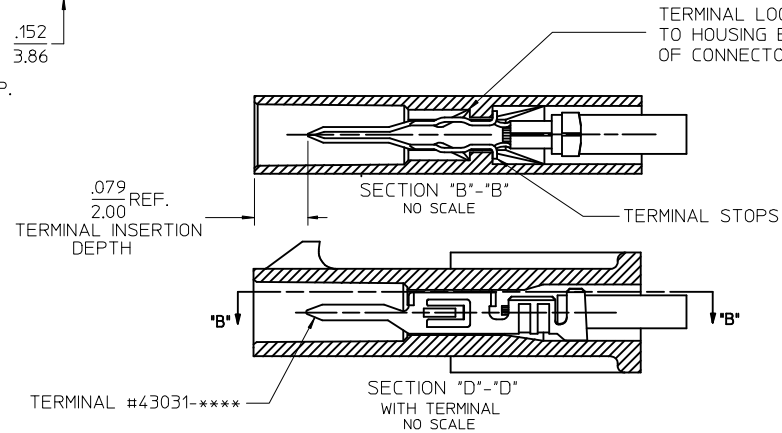
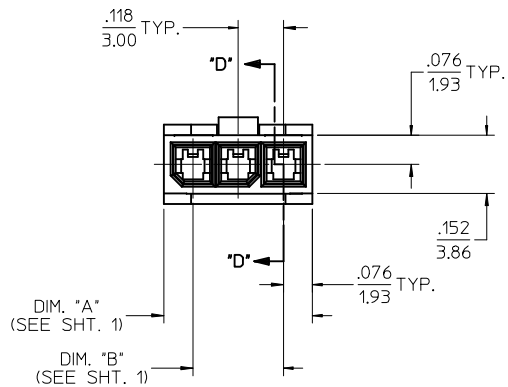
UPDATED ISO VIEW EC NO: UCP2010-0138 DRWN:TBRENS CHKD:SSOUSEK APPR:FSMITH 2009/07/22 2009/07/22 2009/07/23	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± .010 ± .010 3 PLACES ± .010 ± .010 2 PLACES ± .010 ± .010 1 PLACE ± .010 ± .010 ANGULAR ± 5 °	DIMENSION STYLE IN/MM DRAWN BY DATE AFG 1996/01/19 CHECKED BY DATE BAP 1996/01/19 APPROVED BY DATE RJF 1996/01/19	SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MICRO-FIT (3.0) IN-LINE 2 THRU 12 CIRCUIT PLUG W/ OPTIONAL PANEL MOUNTS MOLEX INCORPORATED	DOCUMENT NO. SD-43640-****	SHEET NO. 1 OF 2

13 12 11 10 9 8 7 6 5 4 3 2 1

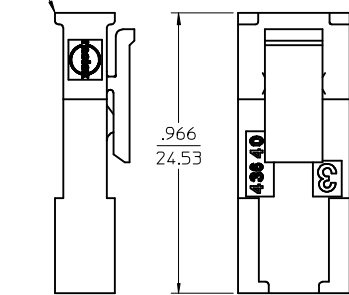
X-CONTACT FACTORY	ASSEMBLY ITEM NUMBER	PART CHARACTERISTICS	
		NUMBER OF POSITION	
	43640-0201	02	
	43640-0301	03	
	43640-0401	04	
	43640-0501	05	
I	43640-0601	06	
X	43640-0701	07	
X	43640-0801	08	
X	43640-0901	09	
X	43640-1001	10	
X	43640-1101	11	
H	X 43640-1201	12	



PLUG WITHOUT
PANEL MOUNTS



RECEPTACLE
43645-****



MATED MICRO-FIT CONNECTOR

PLUG # 43640-***01

UPDATED ISO VIEW EC NO: UCP2010-0138 DRWN:IRBENES 2009/07/22 CHKD:SSOUSEK 2009/07/22 APPR:FSMLTH 2009/07/23 F1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
						DRAWN BY DATE		TITLE MICRO-FIT (3.0) IN-LINE 2 THRU 12 CIRCUIT PLUG W/ OPTIONAL PANEL MOUNTS				
						CHECKED BY DATE						
						APPROVED BY DATE						
			ANGULAR ± 5 °			RJF 1996/01/19		MATERIAL NO. DOCUMENT NO. SHEET NO. SEE CHART SD-43640-**** 2 OF 2				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						