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Part Number: [0441331600](#)
Status: **Active**
Overview: [microfit_30](#)
Description: 3.00mm (.118") Micro-Fit 3.0 BMI™ Receptacle Housing, Dual Row, Panel Mount, 16 Circuits, PBT Polyester, UL 94V-0

Documents:

[3D Model](#) [Product Specification PS-44300-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
TUV R72081037
UL E29179

General

Product Family Crimp Housings
Series [44133](#)
Overview [microfit_30](#)
Product Literature Order No USA-106
Product Name Micro-Fit 3.0 BMI™

Physical

Circuits (maximum) 16
Color - Resin Black
Flammability 94V-0
Gender Female
Glow-Wire Compliant No
Lock to Mating Part None
Material - Resin Polyester
Number of Rows 2
Packaging Type Bag
Panel Mount Yes
Pitch - Mating Interface (in) 0.118 In
Pitch - Mating Interface (mm) 3.00 mm
Polarized to Mating Part Yes
Stackable No
Temperature Range - Operating -40°C to +105°C

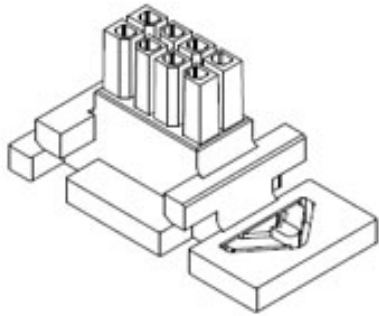
Electrical

Current - Maximum per Contact 5A

Material Info

Reference - Drawing Numbers

Application Specification AS-44133-001
Packaging Specification PK-44133-002
Product Specification PS-44300-001, RPS-44300-001
Sales Drawing SD-44133-001



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

[44133Series](#)

Mates With

[44300-1600](#) Panel Mount Plug, [44432](#)
Micro-Fit 3.0 BMI Vertical 16 Circuit
Headers, [44428](#) Micro-Fit 3.0 BMI Right
Angle 16 Circuit Headers, [45280](#) Micro-Fit
3.0 BMI CPI™ Vertical 16 Circuit Headers

Use With

[43030](#) Crimp Terminal

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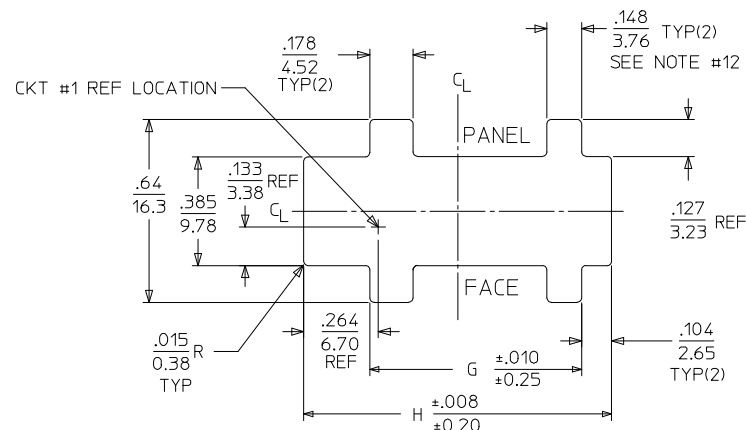
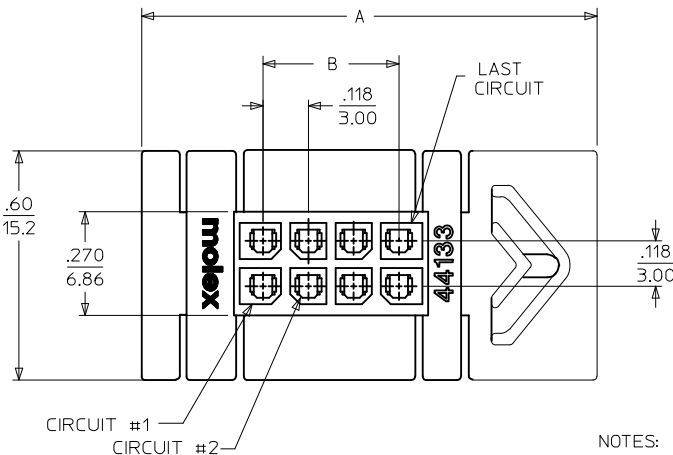
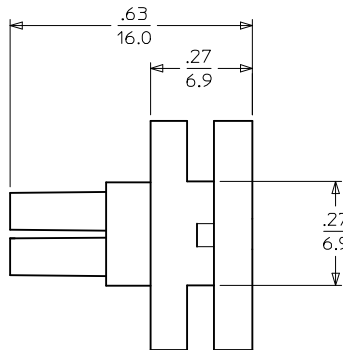
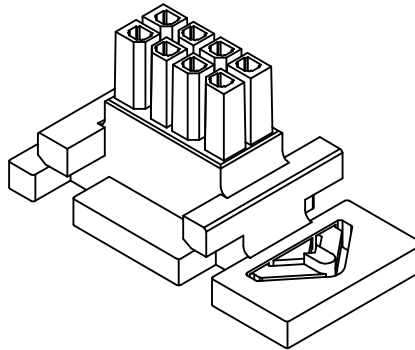
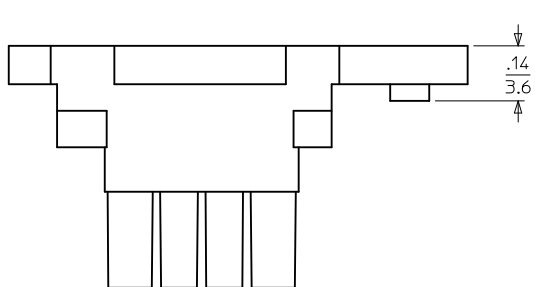
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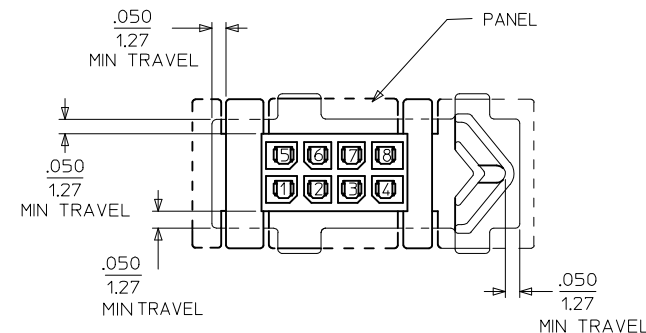
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B

A



RECOMMENDED PANEL CUT-OUT
(SEE NOTE #7, #9, & #12)



RECEPTACLE SHOWN MOUNTED IN PANEL

NOTES:

1. MATERIAL: UNFILLED POLYESTER (PBT), UL94V-0, COLOR: BLACK
2. FINISH: N/A
3. PRODUCT SPECIFICATION: PS-44300-001
4. PACKAGING SPECIFICATION: TRAY PACKED PER PK-44133-002
5. THIS RECEPTACLE MATES WITH MOLEX BMI PLUG 44300, MOLEX BMI VERTICAL PCB HEADER 44432, MOLEX BMI RIGHT ANGLE PCB HEADER 44428, & MOLEX BMI CPI VERTICAL PCB HEADER 45280. (MOLEX DRAWINGS SD-44300-001, SD-44428-001, SD-44432-001, & SD-45280-001)
6. THIS RECEPTACLE TO BE USED WITH MOLEX FEMALE CRIMP TERMINALS ONLY. (MOLEX DRAWING SD-43030-****)
SEE APPLICATION SPECIFICATION AS-44133-001 FOR TERMINAL ORIENTATION IN HOUSING.
7. THIS RECEPTACLE IS DESIGNED FOR USE WITH .062/1.57 MAX. TO .050/1.27 MINIMUM THICK PANELS.
8. DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN THE TOTAL TOLERANCE.
9. WHEN MATING WITH 44300 SERIES, THE PANEL CUT-OUT CENTERLINES OF DIM "H" AND .385/9.78 MUST ALIGN WITH POINT "M" DEFINED BY MOLEX DRAWING SD-44300-001.
10. MOLEX RECOMMENDS THE USE OF MICRO-FIT TEST PLUG (SERIES 44242) WHENEVER CONTINUITY TESTING IS PERFORMED. TEST PLUGS MUST NOT BE USED TO MAKE OR BREAK UNDER LOAD. MOLEX DOES NOT RECOMMEND USING STANDARD MATING COMPONENTS (SERIES 44428, 44432, 44300 OR 45280) FOR HARNESS TESTING PURPOSES.
11. PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002. SOME HOUSINGS MAY HAVE A SMALL GATE BLEMISH NEAR THE GATE LOCATION THAT DOES NOT AFFECT FUNCTIONALITY. HOUSINGS MAY EXHIBIT A SURFACE IMPERFECTION KNOWN AS 'SINK MARKS' UP TO .024/(0.60) MAX. THIS IS A COSMETIC DEFECT AND DOES NOT EFFECT FUNCTION OF THE CONNECTOR.
12. THE WIDTH OF THE NARROW SLOTS SHOULD BE .114-.129/2.90-3.28 (MIN-MAX) IF KEYING OF THE CONNECTOR TO THE CUT-OUT IS DESIRED.

CKT. SIZE	MATERIAL NUMBER	DIM "A"	DIM "B"	DIM "G"	DIM "H"
04	44133-0400	$\frac{.97}{24.6}$	$\frac{.118}{3.00}$	$\frac{.530}{13.46}$	$\frac{.870}{22.10}$
06	44133-0600	$\frac{1.09}{27.7}$	$\frac{.236}{6.00}$	$\frac{.648}{16.46}$	$\frac{.988}{25.10}$
08	44133-0800	$\frac{1.21}{30.7}$	$\frac{.354}{9.00}$	$\frac{.766}{19.46}$	$\frac{1.106}{28.10}$
10	44133-1000	$\frac{1.33}{33.8}$	$\frac{.472}{12.00}$	$\frac{.884}{22.46}$	$\frac{1.224}{31.10}$
12	44133-1200	$\frac{1.45}{36.8}$	$\frac{.591}{15.00}$	$\frac{1.002}{25.46}$	$\frac{1.343}{34.10}$
14	44133-1400	$\frac{1.57}{39.9}$	$\frac{.709}{18.00}$	$\frac{1.120}{28.46}$	$\frac{1.461}{37.10}$
16	44133-1600	$\frac{1.69}{42.9}$	$\frac{.827}{21.00}$	$\frac{1.239}{31.46}$	$\frac{1.579}{40.10}$
18	44133-1800	$\frac{1.81}{46.0}$	$\frac{.945}{24.00}$	$\frac{1.357}{34.46}$	$\frac{1.697}{43.10}$
20	44133-2000	$\frac{1.93}{49.0}$	$\frac{1.063}{27.00}$	$\frac{1.475}{37.46}$	$\frac{1.815}{46.10}$
22	44133-2200	$\frac{2.04}{51.8}$	$\frac{1.181}{30.00}$	$\frac{1.593}{40.46}$	$\frac{1.933}{49.10}$
24	44133-2400	$\frac{2.16}{54.9}$	$\frac{1.299}{33.00}$	$\frac{1.711}{43.46}$	$\frac{2.051}{52.10}$

COSMETIC SPEC. EC NO: UCP2009-2841 DRAWN:SSOUSEK 2009/05/26 CHKD:MKIPPER 2009/05/28 APPR:FSM/LTH 2009/05/28	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY SOMMER	DATE 1998/09/30	TITLE MICRO-FIT (3.0) BMI FLOATING PANEL RECEPTACLE, 4-24 CIRCUIT			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± .010	SOMMER	1998/09/30				
			2 PLACES	± 0.25	± .014	APPROVED BY	DATE				
			1 PLACE	± 0.35	± ---	EDGLEY	1998/09/30				
			ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO. 1 OF 1	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-44133-001			
						SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					