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Part Number: 0447691803
Status: Active
Overview: microfit_30
Description: 3.00mm (.118") Pitch Micro-Fit 3.0, BMI™ Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 0.8µm (30µ") Gold (Au) Selective, 18 Circuits

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

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	PCB Receptacles
Series	44769
Application	Board-to-Board, Wire-to-Board
Overview	microfit_30
Product Literature Order No	USA-106
Product Name	Micro-Fit 3.0 BMI™

Physical

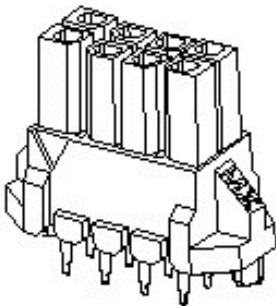
Circuits (Loaded)	18
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
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)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	No
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)	5
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Series

image - Reference only

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
44769Series

Mates With
44428 , 44300 , 44432

Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

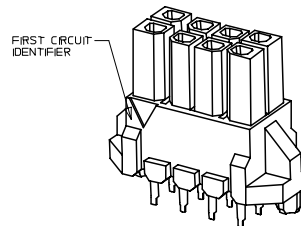
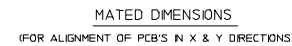
Reference - Drawing Numbers

Packaging Specification	PK-44769-001
Product Specification	PS-44300-001, RPS-44300-001
Sales Drawing	SD-44769-001

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		44769
MATERIAL NUMBER	NUMBER OF POSITIONS	PLATING OPTION
44769-0401	04	A
44769-0402	04	B
44769-0403	04	C
44769-0601	06	A
44769-0602	06	B
44769-0603	06	C
44769-0801	08	A
44769-0802	08	B
44769-0803	08	C
44769-1001	10	A
44769-1002	10	B
44769-1003	10	C
44769-1201	12	A
44769-1202	12	B
44769-1203	12	C
44769-1401	14	A
44769-1402	14	B
44769-1403	14	C
44769-1601	16	A
44769-1602	16	B
44769-1603	16	C
44769-1801	18	A
44769-1802	18	B
44769-1803	18	C
44769-2001	20	A
44769-2002	20	B
44769-2003	20	C
44769-2201	22	A
44769-2202	22	B
44769-2203	22	C
44769-2401	24	A
44769-2402	24	B
44769-2403	24	C



ADD MATING DIMENSIONS EC NO: UCP2005-2881 DRWN: JLOWE 2005/07/07 CHKD: SSOVSEK 2005/07/13 APPR: FSMITH 2005/07/15	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
		 -0  -0		mm	INCH	DIMENSION STYLE IN/MM		TITLE MICRO-FIT (3.0) BMI VERT. RECEPTACLE ASS'Y 4 - 24 CIRCUIT MOLEX MOLEX INCORPORATED MATERIAL NO. DOCUMENT NO. SHEET NO. SEE CHART SD-44769-001 1 OF 1		
			4 PLACES	± ---	± ---	DRAWN BY DATE				
			3 PLACES	± ---	± .010	BURLESON 2000/07/13				
			2 PLACES	± 0.25	± .014	CHECKED BY DATE				
	1 PLACE	± 0.35	± ---	MUELLER 2000/07/13	APPROVED BY DATE					
			ANGULAR ±1/2°		EDGLEY 2000/07/13					
			DRAFT WHERE APPLICABLE							
			MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					