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Part Number: [0015060186](#)
Status: **Active**
Overview: [minifit_bmi](#)
Description: 4.20mm (.165") Pitch Mini-Fit BMI™ Plug Housing, Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 18 Circuits

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

[Product Specification PS-5556-002 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family Crimp Housings
Series [42475](#)
Comments Current = 13A max. per circuit when header is mated to a receptacle loaded with [45750](#) series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.

Overview [minifit_bmi](#)
Product Name Mini-Fit BMI™

Physical

Circuits (maximum) 18
Color - Resin Natural
Flammability 94V-0
Gender Male
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Resin Nylon
Number of Rows 2
Packaging Type Bag
Panel Mount Yes
Pitch - Mating Interface (in) 0.165 In
Pitch - Mating Interface (mm) 4.20 mm
Polarized to Mating Part Yes
Stackable No
Temperature Range - Operating -40°C to +105°C

Electrical

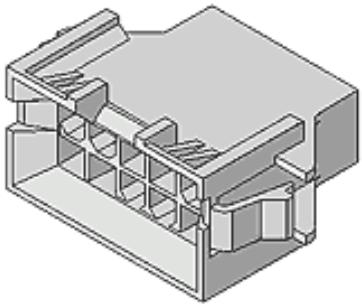
Current - Maximum per Contact 13A

Material Info

Old Part Number 42475-1821

Reference - Drawing Numbers

Packaging Specification PK-42474-001
Product Specification PS-5556-002
Sales Drawing SD-42475-***1
Test Summary TS-5556-002



Series

image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free

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

[42475Series](#)

Mates With

[15-06-0181](#) Mini-Fit BMI Panel Mount Receptacle, [42385](#) Mini-Fit BMI 18 Circuit, UL 94V-0 Vertical Receptacle Headers, [44475-1821](#) Mini-Fit BMI HCS Vertical Receptacle Header, [39-01-2185](#) Mini-Fit Jr. Receptacle, [44516-0009](#) Mini-Fit BMI Slide-N-Lock Panel Mount Receptacle

Use With

[46012](#) Mini-Fit Plus HCS™ Crimp Terminal, [5558](#) Mini-Fit™ Crimp Terminal

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13		12		11		10		9		8		7		6		5		4		3		2		1																											
J	PART NUMBER	ENG. NUMBER	CKT. SIZE	MATERIAL (SEE NOTE 1.)		PART NUMBER	CKT. SIZE	MATERIAL (SEE NOTE 1.)		MOUNTING EAR TYPE		CKT. SIZE	DESIGN A, DESIGN B (SEE SHEET I)	42475-**-2I, 5558-GS*		42474-**-2I, 5556-PBGS*P		94V-0		PHOS. BRZ.	GOLD	J																													
	NOT TOOLED		42475-021I	2	I	NOT TOOLED		2	3	2				N/A		42475-**-1I, 5558-GS*		42474-**-1I, 5556-PBGS*P					94V-2																												
	I5-06-0045		42475-041I	4		42475-043I		4		2				N/A		42475-**-2I, 5558-GS*		42474-**-2I, 5556-GS*P		94V-0			BRASS	GOLD																											
	I5-06-0065		42475-061I	6		42475-063I		6		4				B		42475-**-1I, 5558-GS*		42474-**-1I, 5556-GS*P		94V-2																															
I	I5-06-0085		42475-081I	8		42475-083I		8		6		B		42475-**-2I, 5558-PBS*		42474-**-2I, 5556-PBS*P		94V-0		PHOS. BRZ.	TIN	I																													
	I5-06-0105		42475-101I	10		42475-103I		10		8		A		42475-**-1I, 5558-PBS*		42474-**-1I, 5556-PBS*P		94V-2																																	
	NOT TOOLED		42475-121I	12		NOT TOOLED		12		10		B		42475-**-2I, 5558-GS*		A-42385-**-D2		94V-0		BRASS	GOLD																														
	I5-06-0145		42475-141I	14		42475-143I		14		12		N/A		42475-**-1I, 5558-GS*		A-42385-**-C2		94V-2																																	
H	NOT TOOLED		42475-161I	16		NOT TOOLED		16		14		B		42475-**-2I, 5558-GS*		A-42385-**-B2		94V-0		PHOS. BRZ.	TIN	H																													
	I5-06-0185		42475-181I	18		42475-183I		18		16		N/A		42475-**-1I, 5558-GS*		A-42385-**-A2		94V-2																																	
	I5-06-0205		42475-201I	20		42475-203I		20		18		A & B		42475-**-2I, 5558-PBS*		A-42385-**-D1		94V-0		BRASS	TIN																														
	NOT TOOLED		42475-221I	22		NOT TOOLED		22		20		A		42475-**-1I, 5558-PBS*		A-42385-**-C1		94V-2																																	
G	I5-06-0245		42475-241I	24	I	42475-243I		24	3	22		N/A		42475-**-2I, 5558-S*		A-42385-**-B1		94V-0		BRASS	TIN	G																													
									24		B		PLUG HOUSING/ MALE TERMINAL		MATING CONNECTOR		HSG. MAT'L.		TERM. MAT'L.				PLATING																												
	NOT TOOLED		42475-022I	2	2	NOT TOOLED		2	4																																										
	I5-06-0046		42475-042I	4		42475-044I		4																																											
F	I5-06-0066		42475-062I	6		42475-064I		6																F																											
	50-36-2323		42475-082I	8		42475-084I		8																																											
	I5-06-0106		42475-102I	10		42475-104I		10																																											
	NOT TOOLED		42475-122I	12		NOT TOOLED		12																																											
E	I5-06-0146		42475-142I	14		42475-144I		14																E																											
	NOT TOOLED		42475-162I	16		NOT TOOLED		16																																											
	I5-06-0186		42475-182I	18		42475-184I		18																																											
	I5-06-0206		42475-202I	20		42475-204I		20																																											
D	NOT TOOLED		42475-222I	22		NOT TOOLED		22																D																											
	I5-06-0246		42475-242I	24	2	42475-244I		24	4																																										
LEGEND: 42475 - ** * I BASE NUMBER CIRCUIT SIZE MATERIAL (SEE NOTE 1.)																																																			
ADD -0641 EC NO: UCP2010-3048 DRWN:JAGUILAR 2010/05/28 CHKD:JBELL 2010/05/28 APPR:FSMITH 2010/06/11 REV DESCRIPTION QUALITY SYMBOLS GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE MATERIAL NO. SEE CHART DOCUMENT NO. SD-42475-***1 SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION MOLEX MOLEX INCORPORATED SHEET NO. 4 OF 4																																																			
1b_frame_C_P_ME_T Rev. F 2009/06/18		12		11		10		9		8		7		6		5		4		3		2		1																											