

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0015060045](#)
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-2, 4 Circuits

Documents:

3D Model	Product Specification PS-5556-002 (PDF)
Drawing (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.
MolexKits	Yes
Overview	minifit_bmi
Product Name	Mini-Fit BMI™

Physical

Circuits (maximum)	4
Color - Resin	Natural
Flammability	94V-2
Gender	Male
Glow-Wire Compliant	No
Lock to Mating Part	None
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

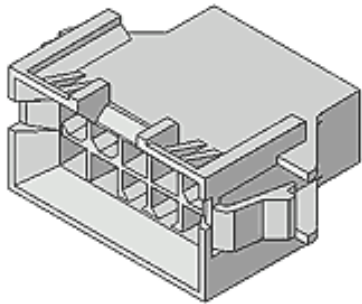
Current - Maximum per Contact	13A
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Material Info

Old Part Number	42475-0411
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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
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

[42475Series](#)

Mates With

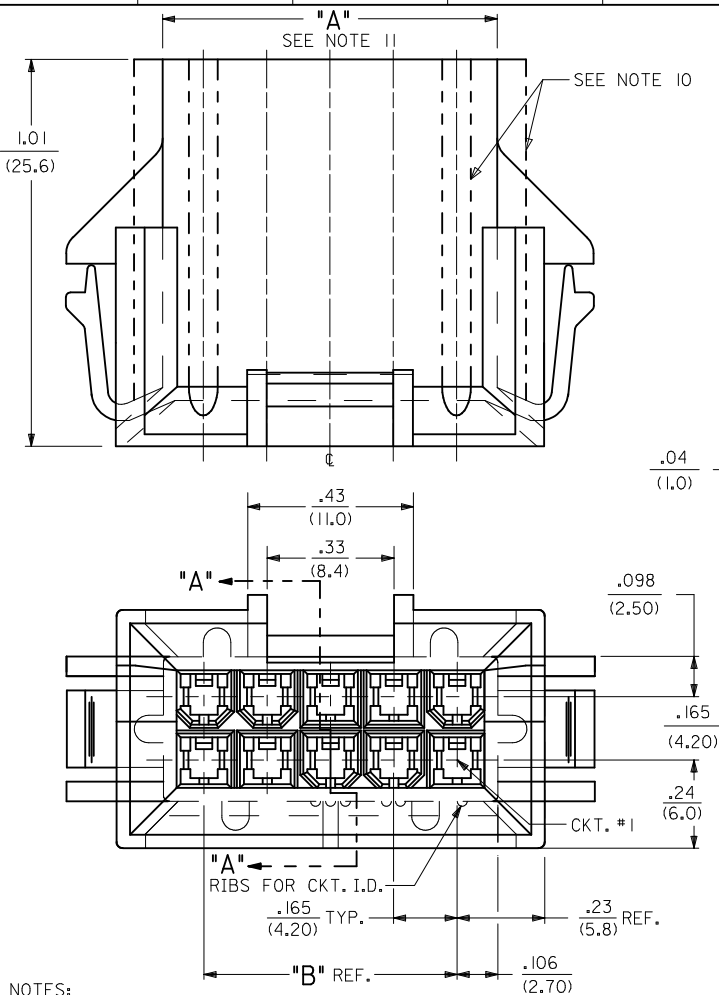
[15-06-0040](#) Mini-Fit BMI Panel Mount Receptacle, [42385](#) Mini-Fit BMI 4 Circuit, UL 94V-2 Vertical Receptacle Headers, [44475-0411](#) Mini-Fit BMI HCS Vertical Receptacle Header

Use With

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

This document was generated on 05/27/2010

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NOTES:

- 1) MATERIAL:
 - 1 = NYLON (PA6/6), UNFILLED, UL94 V-2, COLOR: NATURAL
 - 2 = NYLON (PA6/6), UNFILLED, UL94 V-0, COLOR: NATURAL
 - 3 = NYLON (PA6/6), UNFILLED, UL94 V-2, COLOR: BLACK
 - 4 = NYLON (PA6/6), UNFILLED, UL94 V-0, COLOR: BLACK
- 2) FINISH NOT APPLICABLE.
- 3) THIS PART CONFORMS TO MOLEX PRODUCT SPEC. NO. PS-5556-002.
- 4) PACKAGING: PK-42474-001
- 5) 6-24 CKT. PARTS MATE WITH MOLEX RECEPTACLES 5557, 42385 AND 42474. 2 AND 4 CKT. PARTS MATE WITH 42385 AND 42474 ONLY.
- 6) PART IS FOR USE WITH MALE TERMINAL #5558.
- 7) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.
- 8) PANEL CUT-OUT TO BE PUNCHED IN THE SAME DIRECTION AS CONNECTOR INSERTION.
- 9) PARTS MANUFACTURED AFTER 95/12/31 MAY HAVE MOUNTING EAR DESIGN "B" PARTS WITH MOUNTING EAR DESIGN "A" WILL BE OBSOLETE AS TOOL LIFE DICTATES. IN SOME CASES, PARTS MAY BE AVAILABLE WITH BOTH MOUNTING EAR DESIGNS. SEE CHART ON SHEET 4 FOR SPECIFIC EAR DESIGN AVAILABILITY.

- 10) FOR MANUFACTURING EASE PARTS MAY HAVE OPTIONAL EJECTOR RIBS. SEE SHT.3 FOR LOCATION.
- 11) DIMENSION DOES NOT INCLUDE EJECTOR RIBS (SEE PAGE #3 FOR PARTS WITH RIBS, RIB DIMENSIONS AND LOCATION).
- 12) IF THIS PRODUCT IS STORED IN AN ENVIRONMENT WITH A RELATIVE HUMIDITY OF LESS THAN 50%, MOISTURE MUST BE ADDED. REFER TO TECHNICAL ADVISORY AS-45499-001 FOR INSTRUCTIONS.
- 13) INTERIOR RIB LOCATION MAY VARY.

42475-***I
MOUNTING EAR DESIGN "A"
(SEE NOTE 9)

42475-***I
MOUNTING EAR DESIGN "B"
(SEE NOTE 9)

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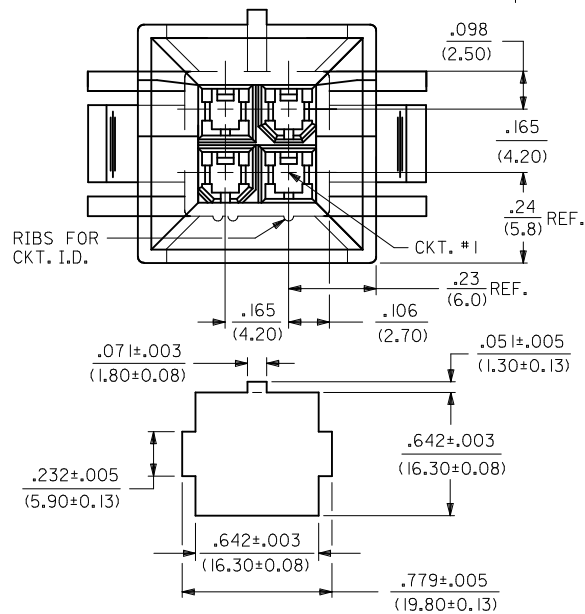
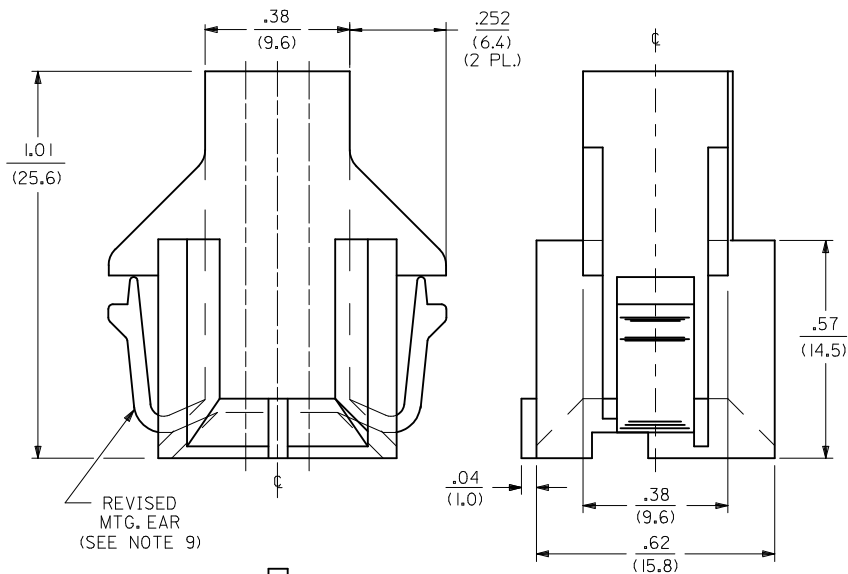
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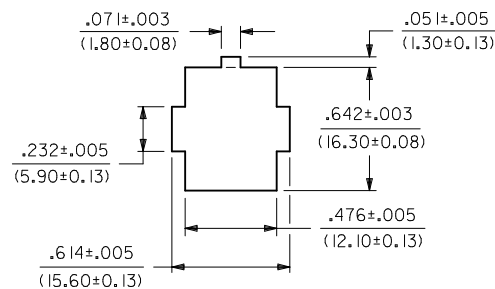
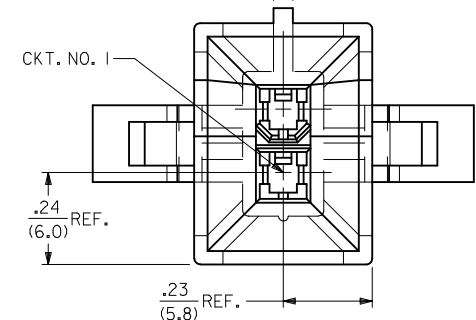
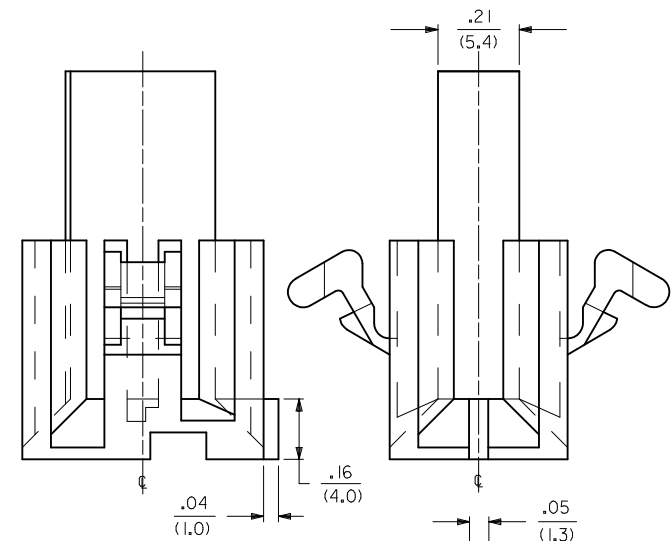
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RECOMMENDED CUT-OUT FOR .063/(1.60)
MAX. THICK P.C. BOARD. (4 CKT'S.)
SCALE: 2X

4 CKT.



RECOMMENDED CUT-OUT FOR .063/(1.60)
MAX. THICK P.C. BOARD. #1 (2 CKT'S.)

SCALE: 2X

2 CKT.

CORRECTED 6.4 DIM. EC NO: UCP2010-2390 DRWN: JAGUILAR 2010/03/17 CHKD: J.BELL 2010/03/17 APPR: F.S.MITH 2010/03/17	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY GEP	DATE 1989/07/18	TITLE PLUG HOUSING B.M.I. 2-24 CIRCUITS MINI-FIT SERIES	
			4 PLACES	± ---	± ---	CHECKED BY R.J.F.	DATE 1989/07/18		
			3 PLACES	± ---	± .010	APPROVED BY F.S.MITH	DATE 2010/03/17		
			2 PLACES	± 0.25	± .015	MATERIAL NO. SEE SHEET 4	DOCUMENT NO. SD-42475-***1		
			1 PLACE	± 0.38	± ---	MOLEX MOLEX INCORPORATED			SHEET NO. 2 OF 4
S6	REV		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			

13		12		11		10		9		8		7		6		5		4		3		2		1	
J	PART NUMBER	ENG. NUMBER	CKT. SIZE	MATERIAL (SEE NOTE 1.)		NOT TOOLED	PART NUMBER	CKT. SIZE	MATERIAL (SEE NOTE 1.)		MOUNTING EAR TYPE		42475-***2I, 5558-GS*		42474-***2I, 5556-PBGS*P		94V-0		PHOS. BRZ.	GOLD					
									CKT. SIZE	DESIGN A, DESIGN B (SEE SHEET I)															
	NOT TOOLED	42475-02II	2	I				42475-043I	4	3		2	N/A												
	I5-06-0045	42475-04II	4	↑				42475-063I	6	↑		4	B												
	I5-06-0065	42475-06II	6					42475-083I	8			6	B												
I	I5-06-0085	42475-08II	8				42475-103I	10			8	A							PHOS. BRZ.	GOLD					
	I5-06-0105	42475-10II	10				NOT TOOLED	12			10	B													
	NOT TOOLED	42475-12II	12				42475-143I	14			12	N/A													
	I5-06-0145	42475-14II	14				NOT TOOLED	16			14	B													
	NOT TOOLED	42475-16II	16				42475-183I	18			16	N/A													
H	I5-06-0185	42475-18II	18				42475-203I	20			18	A & B							BRASS	TIN					
	I5-06-0205	42475-20II	20				NOT TOOLED	22	↓		20	A													
	NOT TOOLED	42475-22II	22	↓			42475-243I	24	3		22	N/A													
	I5-06-0245	42475-24II	24	I							24	B													
							NOT TOOLED	2	4																
G	NOT TOOLED	42475-022I	2	2		↑	42475-044I	4	↑										F						
	I5-06-0046	42475-042I	4				42475-064I	6																	
	I5-06-0066	42475-062I	6				42475-084I	8																	
	50-36-2323	42475-082I	8				42475-104I	10																	
	I5-06-0106	42475-102I	10				NOT TOOLED	12																	
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	NOT TOOLED	42475-162I	16				42475-184I	18																	
	I5-06-0186	42475-182I	18				42475-204I	20																	
	I5-06-0206	42475-202I	20				NOT TOOLED	22	↓																
D	NOT TOOLED	42475-222I	22	↓			42475-244I	24	4										D						
	I5-06-0246	42475-242I	24	2																					
LEGEND: 42475 - ** * I BASE NUMBER CIRCUIT SIZE MATERIAL (SEE NOTE 1.)																									
ADD -0641 EC NO: UCP2010-3048 DRWN:JAGUILAR CHKD:JBELL APPR:FSMITH 2010/05/28 2010/05/28 2010/06/11 REV DESCRIPTION QUALITY SYMBOLS GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE SCALE DESIGN UNITS THIRD ANGLE PROJECTION TITLE MATERIAL NO. DOCUMENT NO. SHEET NO. SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION S2 ↙=0 ↘=0 ↗=0 mm INCH 4 PLACES ± --- 3 PLACES ± --- 2 PLACES ± 0.25 1 PLACE ± 0.38 ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS IN/MM DRAWN BY CHECKED BY APPROVED BY RAS DATE DATE DATE 1989/07/18 1989/07/18 1989/07/18 MOLEX MOLEX INCORPORATED SD-42475-***1 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	