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**Part Number:** [15-24-7107](#)  
**Status:** **Active**  
**Overview:** Mini-Fit® Blind Mate Interface (BMI) Connectors  
**Description:** 4.20mm Pitch Mini-Fit® BMI Receptacle Header, Dual Row, Vertical, with Snap-In Plastic Pegs, Post 0.762µm Gold (Au), UL 94V-0, 10 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Test Summary TS-5556-002 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-5556-002 (PDF)</a>	



**Agency Certification**

CSA	LR19980
UL	E29179


**General**

Product Family	PCB Receptacles
Series	42385
Application	Board-to-Board, Power
Comments	Solder Type With Pegs
Overview	<a href="#">Mini-Fit® Blind Mate Interface (BMI) Connectors</a>
Product Name	Mini-Fit® BMI
UPC	884982458826

**Physical**

Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	2.079/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.00mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

**Electrical**

<b>EU RoHS</b> <b>ELV and RoHS</b> <b>Compliant</b> <b>REACH SVHC</b> Not Reviewed <b>Low-Halogen Status</b> <b>Low-Halogen</b>	<b>China RoHS</b> 
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**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**  
42385Series

**Mates With**  
42475 Panel Mount Plug, 42404 Vertical Header, 42440 Vertical Header, 43879 Vertical Header, 44068 Vertical Header

Current - Maximum per Contact	9A
Grounding to PCB	No
Voltage - Maximum	600V AC (RMS)/DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	240

**Material Info**

Old Part Number	A-42385-10D2
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**Reference - Drawing Numbers**

Product Specification	PS-5556-002
Sales Drawing	SDA-42385-*
Test Summary	TS-5556-002

This document was generated on 06/04/2013

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