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**Part Number:** [15-24-7244](#)  
**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 2.54µm Tin (Sn), UL 94V-2, 24 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**

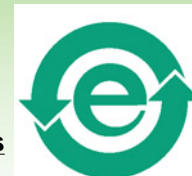
Product Family	PCB Receptacles
Series	42385
Application	Board-to-Board, Power
Comments	Solder Type With Pegs
Overview	<a href="#">Mini-Fit® Blind Mate Interface (BMI) Connectors</a>
Product Name	Mini-Fit® BMI
UPC	800754910781

**Physical**

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-2
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	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	4.843/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.20mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

**EU RoHS** **China RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Low-Halogen Status**  
**Low-Halogen**



**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

**Electrical**

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	42385-24C1
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**Reference - Drawing Numbers**

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

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