



Meets the requirements of

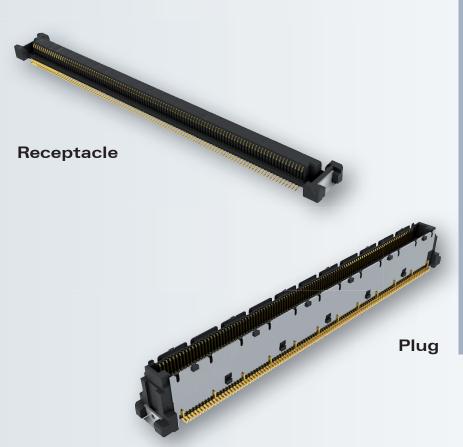


Technical Specifications

ept's Colibri connector is a shielded, 2-row, SMT interconnect system in 0.5 mm pitch.

Both connectors, Plug and Receptacle, are available with 8 mm stacking height and 220 pins. They are designed to meet requirements according to specifications not only of PICMG COM Express®, but also of SFF-SIG Core Express®.

Additional versions with flexible pin count as well as multiple stack heights will be available consecutively.



Key Features

- of PICMG COM Express®

Applications

- Board-to-Board

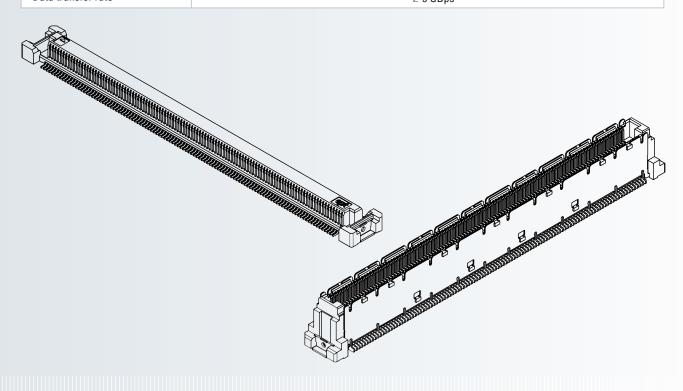
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Technical Specifications

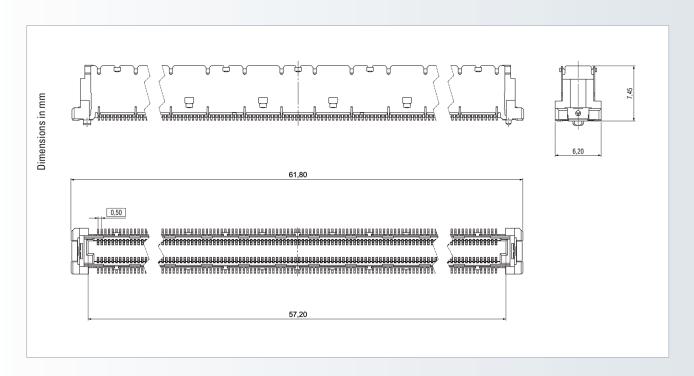
Technical Specifications

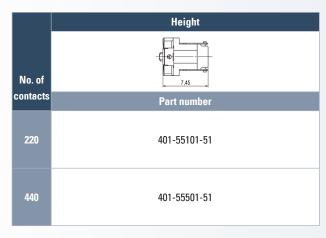
Technical specifications	0.5 mm SMT Board-to-Board Connector System		
	Plug	Receptacle	
Specification	PICMG® COM.0		
Operating temperature range	− 40 °C to + 85 °C		
Current carrying capacity	max. 0.5 A		
Operational voltage	50 VAC		
Contact resistance	max. 75 mΩ		
Insulation resistance	>100 MΩ		
Dielectrical withstanding voltage	200 VAC		
Durability	30 cycles		
Engaging force per pin	max. 0.9 N		
Seperating force per pin	min. 0.1 N		
Insulator material	LCP, UL 94 V-0		
Contact	Copper alloy		
Environment/approvals	RoHS compliant/UL 94 V-0		
Soldering temperature	260 °C per J-STD-020		
Coplanarity	max. 0.1 mm		
Data transfer rate	≥ 5 GBps		





Plug

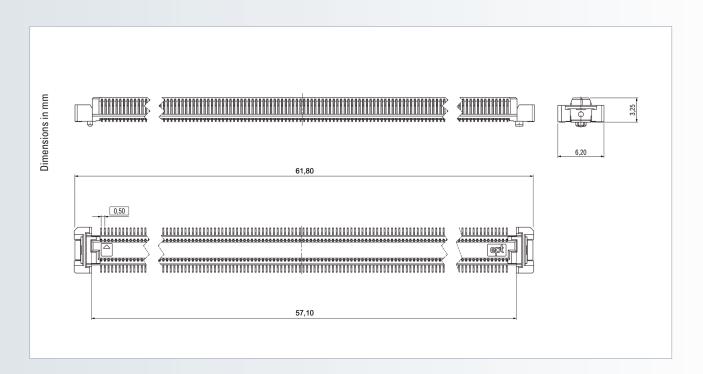




Options	On request	Note
- Pick & place cap for 220 contacts version	Other contact numbersOther stack heights	 For detailed information see customer drawing



Receptacle



	Height		
No. of	3,25		
contacts	Part number		
220	402-51101-51		
440	402-51501-51		

Options	On request	Note
- Pick & place cap for 220 contacts version	Other contact numbers Other stack heights	For detailed information see customer drawing



Good connections bear a name: ept

If you are looking for a supplier of **electronic connection technology** with innovative product ideas and superior processing technology, there's no getting around ept.

We offer you comprehensive fully integrated manufacturing solutions, with our wide range of connectors and processing technology from a single source.

As an independent family business with decades of experience, we can offer **technical expertise** and the **highest quality standard**. ept combines creativity and precision, when it comes to your **individual product applications and process solutions**.

At our locations in Germany (Peiting, Buching, Augsburg), the Czech Republic, the USA and China and in our international sales network, more than **700 employees worldwide** are responsible for top-notch **development**, **production and service work**.

We are looking forward to working with you.

Your ept team

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