

Product Type Features	Row-to-Row Spacing (mm)	2.5
	Connector System	Board-to-Board
	Connector Style	Plug
	Board-to-Board Configuration	Vertical
	PCB Mounting Orientation	Vertical
	Shrouded	Partially Shrouded
	Product Type	Connector
	Applies To	Printed Circuit Board
	Connector Type	Header
	Make First / Break Last	No
	Module Type	Center
Configuration Features	Number of Positions	144
	Number of Rows	8
	Number of Columns	6
	Number of Pairs	48
	Number of Signal Positions	15
	Pairs per Column	8
	Stackable	Yes
Electrical Characteristics	Operating Voltage (VAC)	250
	Impedance ( $\Omega$ )	100
Signal Characteristics	Differential Impedance ( $\Omega$ )	100
	Differential Pairs per Column	8
	Differential Signaling	Yes
Contact Features	Contact Current Rating (A)	.5
	Contact Base Material	Copper Alloy
	Contact Style	Press-Fit
	Contact Design	Dual Beam
	Contact Mating Area Plating Material	Gold Flash
	Contact Termination Area Plating Thickness ( $\mu\text{m}$ )	.5
	Contact Type	Pin

	Contact Length	4.65 mm [ .183 in ]
	Contact Mating Area Plating Thickness (µm)	.08
	Contact Transmits (Typical)	Signal (Data)
	Contact Termination Area Plating Material	Tin
Termination Features	Termination Method to PC Board	Through Hole - Press-Fit
Mechanical Attachment	Mating Alignment	With
	Mating Alignment Type	Polarization
	PCB Mount Retention Type	Action/Compliant Tail
	PCB Mount Retention	With
	Guide Hardware	Without
	Mating Retention	Without
Housing Features	Centerline	4.5 mm [ .177 in ]
	Housing Color	Black
	End Wall Location	Open
	Housing Material	Thermoplastic
Dimensions	Height (mm)	11.3
	Length	27.4 mm [ 1.07 in ]
	Width	25.4 mm [ 1 in ]
	PCB Thickness (Recommended) (mm)	1
	PCB Hole Diameter (mm)	.344
	Tail Length	1.65 mm [ .065 in ]
Usage Conditions	Operating Temperature Range	-55 – 85 °C [ -67 – 185 °F ]
Operation/Application	For Use With	Receptacle Assembly
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tube
Product Compliance	Statement of Compliance PDF	

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