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2-5120527-2 Product Details

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1 mm Free Height (IEEE 1386)

1FHP,84,30A/S,R,N,S10,12,13,15

2-5120527-2

TE Internal Number: 2-5120527-2

Product Highlights [View All](#)

- Connector Style = Plug
- 84 Positions
- Stack Height = 10.00 mm, 12.00 mm, 13.00 mm, 15.00 mm
- With PCB Mount Retention
- With PCB Mount Alignment

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Please Note:

Use the Product Drawing for all design activity

Product Type Features

PCB Mount Retention	With
PCB Mount Alignment	With
Product Type	Connector
Connector Type	Connector Assembly
Product Line	1mm FH
CSA File Number	LR7189
PCB Mount Retention Type	Locating Post(s)
PCB Mounting Orientation	Vertical
PCB Mount Alignment Type	Locating Post(s)

Electrical Characteristics

Contact - Rated Current (A)	0.8
Operating Voltage Reference	AC/DC
Operating Voltage (VAC)	250
Operating Voltage (VDC)	250

Termination Features

Termination Method to PC Board	Surface Mount
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Housing Features

Connector Style	Plug
Centerline (mm [in])	1.00 [0.039]
Housing Color	Black
Mating Alignment	Without
Housing Material	Thermoplastic

Configuration Features

Number of Positions	84
Number of Columns	42
Number of Rows	2
Differential Signaling	Yes
Tail Orientation	In-line

Industry Standards

RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Reflow solder capable to 245°C, Reflow solder capable to 260°C
RoHS/ELV Compliance History	Always was RoHS compliant

Dimensions		Industry Standard	
Stack Height (mm [in])	13.00 [0.512], 12.00 [0.472], 15.00 [0.591], 10.00 [0.394]	Industry Standard	IEEE 1386 Mezzanine Connector
Tail Length (mm [in])	2.05 [0.081]	Agency/Standard	UL, CSA
Length (X-Axis) (mm [in])	44.22 [1.740]	UL Rating	Listed
Width (Z-Axis) (mm [in])	6.04 [0.238]	UL File Number	E28476
Profile Height (Y-Axis) (mm [in])	8.38 [0.329]	UL Flammability Rating	UL 94V-0
		CSA Certified	Yes
Body Features		Environmental	
Mating Retention	Without	Operating Temperature (°C [°F])	-55 - +110 [-67 - +230]
Contact Features		Conditions for Usage	
Contact Base Material	Phosphor Bronze	Applies To	Printed Circuit Board
Contact Plating, Mating Area, Material	Gold	Board-to-Board Configuration	Mezzanine
Contact Plating, Mating Area, Thickness (µm [µin])	0.76 [29.92]	Operation/Application	
Contact Plating, Termination Area, Material	Matte Tin	Pick and Place Cover	Without
Contact Plating, Termination Area, Thickness (µm [µin])	3.81 [150]	Application Use	Board-to-Board
Underplate Material	Nickel	Contact Transmits (Typical Application)	Signal (Data)
Underplate Material Thickness (µm [µin])	1.27 [50.000]	Packaging Features	
Contact Design	Single Beam	Packaging Method	Tape & Reel
Pitch (mm [in])	16.00 [0.630]	Other	
		Brand	AMP

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