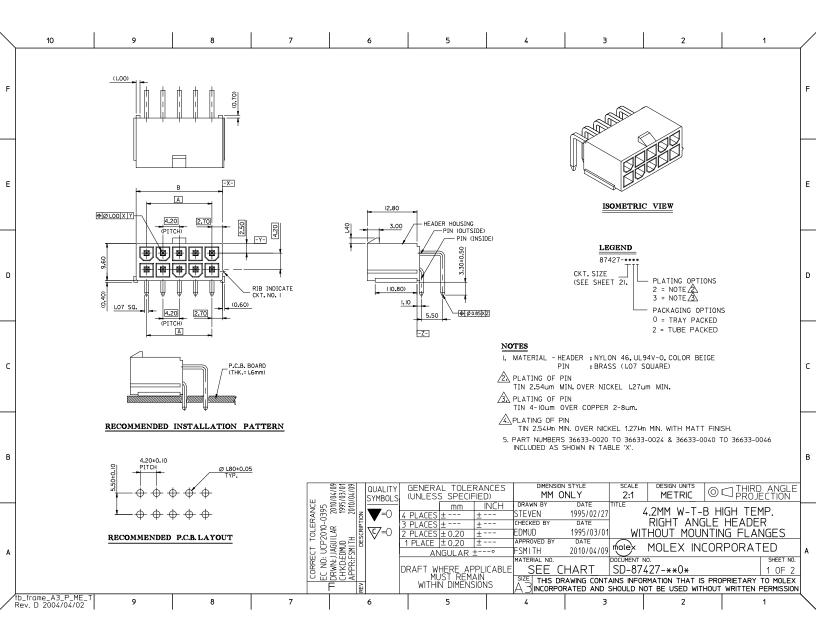


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Part Number: 08	74271802		
	tive		
Overview: mini			
		Header, Right Angle, Nylon, without Flange,18 Circuits,	
Tin	(Sn) over Nickel (Ni) Platir	ng, Glow Wire Compatible	
Documents:			
<u>3D Model</u>		Product Specification PS-87427-0001 (PDF)	
Drawing (PDF)		RoHS Certificate of Compliance (PDF)	
,			Series
Agency Certification			image - Reference only
CSA		LR19980	
UL		E29179	EU RoHS China RoHS
			ELV and RoHS
General			Compliant
Product Family		PCB Headers	REACH SVHC
Series		<u>87427</u>	Contains SVHC: No
Application		Wire-to-Board	Halogen-Free
Comments		Current = 13A max. per circuit when header is mated	Status
		to a receptacle loaded with <u>45750</u> Mini-Fit Plus HCS™	Not Halogen-Free
		Crimp Terminal Crimpted to to 16 AWG wire See	Need more information on product
		Molex product specification PS-45750-001 for additional	environmental compliance?
		current de-rating information.	
Overview		minifit jr	Email productcompliance@molex.com
Product Name		Mini-Fit Jr.™	For a multiple part number RoHS Certificate of
			Compliance, <u>click here</u>
Physical			
Breakaway		No	Please visit the Contact Us section for any
Circuits (Loaded)		18	non-product compliance questions.
Color - Resin		Beige	
Durability (mating cycles ma	ax)	30	
First Mate / Last Break	,	No	
Flammability		94V-0	Search Parts in this Series
Glow-Wire Compliant		Yes	87427Series
Lock to Mating Part		Yes	
Material - Metal		Brass	Mates With
Material - Plating Mating		Tin	5557 Mini-Fit Jr.™ Receptacle Housing
Material - Plating Terminatio	on	Tin	
Material - Resin		Nylon	
Number of Rows		2	
Orientation		 Right Angle	
PC Tail Length (in)		0.130 ln	
PC Tail Length (mm)		3.30 mm	
PCB Locator		No	
PCB Retention		None	
PCB Thickness Recommen	ded (in)	0.062 ln	
PCB Thickness Recommen		1.60 mm	
Packaging Type	· · /	Tray	
Pitch - Mating Interface (in)		0.165 ln	
Pitch - Mating Interface (mr	n)	4.20 mm	
Pitch - Term. Interface (in)	,	0.165 ln	
Pitch - Term. Interface (mm)	4.20 mm	
Plating min: Mating (µin)	,	101.6	
Plating min: Mating (µm)		2.54	
Plating min: Termination (µi	n)	101.6	
Plating min: Termination (µr		2.54	
i isang min. Termination (µi	•••	L.V.I	

Polarized to Mating Part Polarized to PCB Shrouded Stackable Surface Mount Compatible (SMC) Temperature Range - Operating Termination Interface: Style	Yes No Fully No -40°C to +105°C Through Hole
Electrical Current - Maximum per Contact Voltage - Maximum	13A 600V
Solder Process Data Duration at Max. Process Temperature (seconds) Lead-free Process Capability Max. Cycles at Max. Process Temperature Process Temperature max. C	30 SMC & Wave Capable (TH only) 2 240
Material Info	
Reference - Drawing Numbers Packaging Specification Product Specification Sales Drawing	PK-87427-001 PS-87427-0001 SD-87427-**0*

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	U090 [432] <u>1 U U</u> SIZE 14	E 0 8 7 6 5 4 3 2 1 U U U U U U CKT.SIZE 13 2 1 2													
		08876 54321 UUUU CKT.SIZE 10													E
	<u>5.812E 16</u>	(8)76(5)				51.60 47.40 43.20	46.20 42.00 37.80	36633-0046 36633-0045 36633-0024	24 22 20		51.60	46.20	87427-242 *	24	-
	6 5 4 3 2 1 } U U U U U <u>KT. SIZE 18</u>					39.00 34.80	33.60 29.40	36633-0044 36633-0023	18 16		в	A	ENG. NO. TUBE PACKED		
81 (91) 81 (91)	TE54321	<u> </u>			SEE NOTESA ON SHEET 1 F PLATING DETA	OR 26.40	25.20 21.00 16.80	36633-0043 36633-0022 36633-0021	14 12 10		51.60 47.40 43.20	46.20 42.00 37.80	87427-240* 87427-220* 87427-200*	24 22 20	-
<u>, </u>	CKT.SIZE 20					18.00 13.80 9.60	12.60 8.40 4.20	36633-0042 36633-0041 36633-0020	8 6 4		39.00 34.80 30.60	33.60 29.40 25.20	87427-180* 87427-160* 87427-140*	18 16 14	
	98765432 87654321 444			_	PIN (OUTSIDE & INSID	5.40 B	 A	36633-0040 ENG. NO.	2 CKT. SIZE		26.40 22.20	21.00 16.80	87427-120* 87427-100*	12 10	-
	CKT.SIZE 22	<u>CKT.SIZE 4</u>	=				TABL	E 'X'			18.00 13.80 9.60	12.60 8.40 4.20	87427-080* 87427-060* 87427-040*	8 6 4	_
200											5.40 B	 A	87427-020* ENG.NO. TRAY PACKED	2 CKT. SIZE	B
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tb_frame_A3_P_ME Rev. D 2004/04/02	- ^T 9	8	7	E	6	WITHIN			IS DRAWING ORPORATED	CONTAINS IN AND SHOULD 3		ON THAT E USED V 2	IS PROPRIETARY	TO MOLEX PERMISSION	Ĩ