

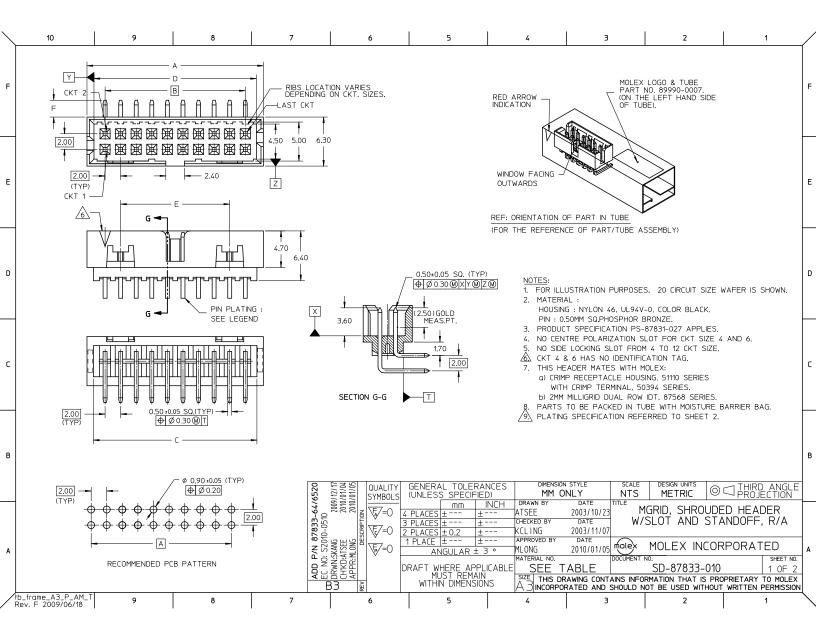
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	<u>78331620</u> tive	A A A A A A A A A A A A A A A A A A A
Circ	<u>grid</u> mm (.079") Pitch Milli-Grid™ Header, Right Angle, Shi uits, 0.38μm (15μ") Gold (Au) Plating, without PCB Loc ter Polarization Slot, Tube	
Documents: <u>3D Model</u> Drawing (PDF)	Product Specification PS- RoHS Certificate of Comp	-87831-027 (PDF)
Agency Certification		
CSA	LR19980	EU RoHS China RoHS
UL	E29179	ELV and RoHS
General Product Family	PCB Headers	Compliant REACH SVHC Contains SVHC: No Halogen-Free
Series Application	<u>87833</u> Wire-to-Board	Status
Comments	Contact Molex for application	
Overview	milligrid	Need more information on product
Product Name	Milli-Grid™	environmental compliance?
Physical		Email productcompliance@molex.com
Breakaway	No	For a multiple part number RoHS Certificate
Circuits (Loaded)	16	Compliance, <u>click here</u>
Circuits (maximum)	16	Diagon visit the Contact Lie contine for any
Color - Resin	Black	Please visit the <u>Contact Us</u> section for any non-product compliance questions.
First Mate / Last Break	No	non-product compliance questions.
Flammability	94V-0	
Glow-Wire Compliant	No	
Guide to Mating Part Keying to Mating Part	No Yes	Search Parts in this Series
Lock to Mating Part	Yes	87833Series
Material - Metal	Phosphor Bronze	
Material - Plating Mating	Gold	Mates With
Material - Plating Terminati		50394 Wire-to-Board Terminals. 51110
Material - Resin	Nylon	Wire-to-Board Crimp Housing. 87568 Wire-
Number of Rows	2	to-Board IDT Housings. 79107 Board-to-
Orientation	Right Angle	Board Top Entry Through Hole Receptacle
PC Tail Length (in)	0.085 In	79108 Board-to-Board FFC/FPC Top Entry
PC Tail Length (mm)	2.16 mm	Through Hole Receptacle. L
PCB Locator	No	
PCB Retention PCB Thickness Recommer	ded (in) 0.062 In	
PCB Thickness Recommer		
Packaging Type	Tube	
Pitch - Mating Interface (in)	0.079 In	
Pitch - Mating Interface (mr		
Pitch - Term. Interface (in)	0.079 In	
Pitch - Term. Interface (mm		
Plating min: Mating (µin)	15	
Plating min: Mating (µm)	0.38	
Plating min: Termination (µ		
Plating min: Termination (µ Polarized to Mating Part	n) 1.88 Side Slots (2)	
i Ganzeu to Mating Fall		

Polarized to PCB Shrouded Stackable Surface Mount Compatible (SMC) Temperature Range - Operating Termination Interface: Style	No Fully No Yes -55°C to +105°C Through Hole
Electrical Current - Maximum per Contact Voltage - Maximum	2A 125V
Solder Process Data Duration at Max. Process Temperature (seconds) Lead-free Process Capability Max. Cycles at Max. Process Temperature Process Temperature max. C	11 SMC & Wave Capable (TH only) 1 265
Material Info	
Reference - Drawing Numbers Product Specification Sales Drawing	PS-87831-027 SD-87833-010

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							PART	PART CKT		DIMEI			ISION		A PL/	ATING	i i
							N0.	SIZE	LOCATION	А	В	C	D E	F		TION	i
						ſ	87833-04**	4	-	6.65	2.00	5.00	4.85 —				i i
F				PLS REFER TO F	PLS REFER TO PART	87833-06**	6	-	8.65	4.00	7.00	6.85 —	_				
				87833-**3* FOR CENTER	CENTER	87833-08**	8	-	10.65	6.00	9.00	8.85 —	_	19.20	OR 21	F	
					LOCKING SLOT OF	PTION.	87833-10**	10	-	12.65	8.00	11.00	10.85 —	_	12,20	011 21	i i
						l	87833-12**	12	-	14.65	10.00	13.00	12.85 —	_			i i
							87833-14**	14	-	16.65	12.00	15.00	14.85 8.	00			i i
							87833-16**	16	-	18.65	14.00	17.00	16.85 10	00	18,19,20) OR 21	l.
-							87833-18**	18	-	20.65	16.00	19.00		00			<u> </u>
							87833-20**	20	-	22.65	18.00	21.00		00			i i
						87833-22**	22	-	24.65	20.00	23.00		00			i i	
		PART NUMBER LE	GEND :				87833-24**	24	-	26.65	22.00	25.00		00			l.
		87833 - * * * *					87833-26**	26	-	28.65	24.00	27.00	26.85 20				l.
		· · · · · · · · · · · · · · · · · · ·					87833-28**	28	-	30.65	26.00	29.00		.00			E
	4		_				87833-30**	30	-	32.65	28.00	31.00	30.85 24				l.
	<u>_9</u>	PLATING OPTIONS					87833-32**	32		34.65	30.00	33.00		.00	19.20	OR 21	l l
			15uin PdNi WITH GOLD F				87833-34**	34	-		32.00	35.00					l
			75uin MIN.TIN IN SOLDER						-	36.65				.00 2.1			i i
-			50uin MIN. NICKEL OVER				87833-36**	36		38.65	34.00	37.00		.00			
			0,13um/2 – Suin GOLD IN				87833-38**	38	-	40.65	36.00	39.00	38.85 32				i
		1.88um/7	75uin MIN.TIN IN SOLDER	TAIL AREA OVER			87833-40**	40	-	42.65	38.00	41.00		.00			l l
		1.27um/5	50uin MIN. NICKEL OVER	ALL.			87833-42**	42	-	44.65	40.00	43.00	42.85 36				l l
		00/ 20 - 0.38um/	'15uin GOLD IN CONTACT	F AREA AND 1.88ur	n/75uin MIN.TIN IN		87833-44**	44	-	46.65	42.00	45.00	44.85 38				
		SOLDER	TAIL AREA OVER 1.27	um/50uin MIN. NICKE	EL OVERALL.		87833-46**	46	-	48.65	44.00	47.00		.00			D
		21 - 0.76um/3	30uin GOLD IN CONTACT	AREA AND 1.88un	1/75uin MIN,TIN IN		87833-48**	48	-	50.65	46.00	49.00		.00			l.
		SOLDER	TAIL AREA OVER 1.27	um/50uin MIN, NICKE	EL OVERALL.		87833-50**	50	-	52.65	48.00	51.00		.00			1
							87833-7000	34	21	36.65	32.00	35.00	34.85 28	.00	0	00	i i
							87833-5121	26	14	28.65	24.00	27.00	26.85 20	00	2	21	l l
							87833-5120	10	7	12.65	8.00	11.00	10.85 -	-			1
							87833-5520	40	21	42.65	38.00	41.00	40.85 34	00			l.
							87833-5620	20	14	22.65	18.00	21.00	20.85 14		1	20	l l
							87833-5720	24	13	26.65	22.00	25.00		00			
							87833-5820	14	1	16.65	12.00	15.00		20			c
							87833-63**	8	-	10.65	6.00	9,00	8.85 -				i C
												-			20 0	DR 21	l l
							87833-53**	14	-	16.65	12.00	15.00		00			l.
							87833-5420	34	-	36.65	32.00	35.00		.00			i i
4							87833-5920	4	-	6.65	2.00	5.00	4.85 —	_			-
							87833-6020	12	-	14.65	10.00	13.00	12.85 —	3.18	3		i
							87833-6120	16	-	18.65	14.00	17.00	16.85 10.	20		20	l
							87833-6220		-	20.65	16.00	19.00	18.85 12.	_			i i
								-	-								i
							87833-6420	6		8.65	4.00	7.00	0.05	-			в
							87833-6520	20	-	22.65	18.00	21.00	20.85 14.	00			1
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