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Part Number: 0878321220

Status: Active Overview: milligrid

2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-**Description:**

free, 12 Circuits, 0.38µm (15µ") Gold (Au) Plating, without Locking Window, with Centre

Polarization Slot, PCB Locator, Tube

Documents:

3D Model Product Specification PS-87831-027 (PDF) Drawing (PDF) RoHS Certificate of Compliance (PDF)

Agency Certification

CSA LR19980 UL E29179

General

PCB Headers Product Family Series 87832 Wire-to-Board Application

Contact Molex for application in automotive industry Comments

Overview milliarid Milli-Grid™ **Product Name**

Physical

Breakaway No Circuits (Loaded) 12 Circuits (maximum) 12 Color - Resin Black First Mate / Last Break No 94V-0 Flammability Glow-Wire Compliant No Guide to Mating Part No Keying to Mating Part Yes Lock to Mating Part Nο

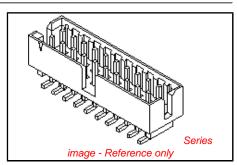
Material - Metal Phosphor Bronze

Material - Plating Mating Gold Material - Plating Termination Tin Material - Resin Nylon Number of Rows Orientation Vertical **PCB** Locator Yes **PCB** Retention None Packaging Type Tube Pitch - Mating Interface (in) 0.079 In Pitch - Mating Interface (mm) 2.00 mm Pitch - Term. Interface (in) 0.079 In Pitch - Term. Interface (mm) 2.00 mm Plating min: Mating (µin) 15 Plating min: Mating (µm) 0.38 Plating min: Termination (µin) 75 Plating min: Termination (µm) 1.88

Side Slots (2) Polarized to Mating Part Polarized to PCB No

Shrouded Fully Stackable

Temperature Range - Operating -55°C to +105°C



China RoHS

EU RoHS ELV and RoHS Compliant **REACH SVHC**

Contains SVHC: No Halogen-Free **Status**

Not Halogen-Free

Need more information on product environmental compliance?

Email productcompliance@molex.com For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series

87832 Series

Mates With

50394 Wire-to-Board Terminals. 51110 Wire-to-Board Crimp Housing. 87568 Wireto-Board IDT Housings. 79107 Board-to-Board Top Entry Through Hole Receptacle. 79108 Board-to-Board FFC/FPC Top Entry Through Hole Receptacle. L

Termination Interface: Style Surface Mount

Electrical

2A Current - Maximum per Contact 125V Voltage - Maximum

Solder Process Data

Duration at Max. Process Temperature (seconds) 10

Reflow Capable (SMT only)

Lead-free Process Capability
Max. Cycles at Max. Process Temperature Process Temperature max. C 260

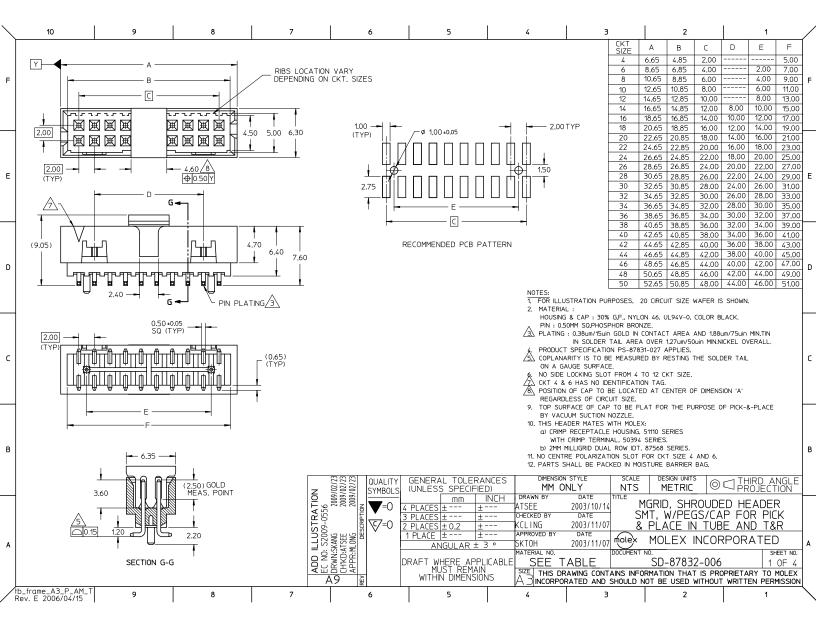
Material Info

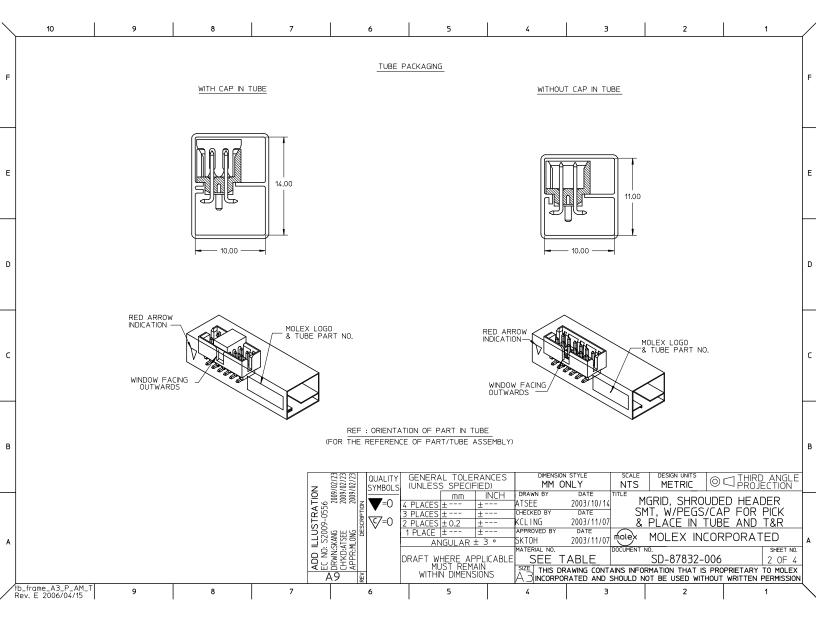
Reference - Drawing Numbers

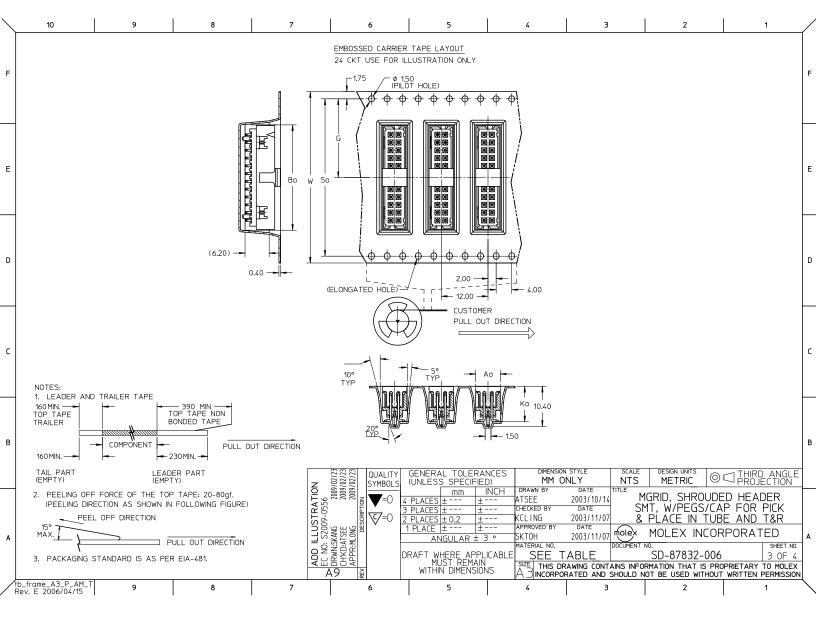
Product Specification PS-87831-027 Sales Drawing SD-87832-006

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				DIS DEED	ER TO PART	NO YES	87832-0420 87832-0620	87832-0422 87832-0622	87832-5122	4	16.00	7.50	7.15		6.40	9.30	F
				87832-**08	FOR CENTER 1	YES	87832-0820	87832-0822	87832-5222 87832-5322	8	24.00	11.50	9.15 11.05		6.40	9.30	
				LOCKING :	SLOT OPTION.	YES	87832-1020	87832-1022	87832-5422	10	24.00	11.50 11.50	13.05		6.40	9.30	1
						YES	87832-1220	87832-1222	87832-5522	12	32.00	14.20	15.15	28.40	6.85	9.30 9.30	1
					٦	YES	87832-1420	87832-1422	87832-5622	14	32.00		17.05	28.40	6.40	9.30	
					-	YES	87832-1620	87832-1622	87832-5722	16	32.00			28.40	6.40	9.30	
						YES	87832-1820	87832-1822	87832-5822	18	44.00		21.05	40.40	6.40	9.30	
						YES	87832-2020	87832-2022	87832-5922	20	44.00		23.05	40.40	6.40	9.30	1
_						YES	87832-2220	87832-2222	87832-6022	22	44.00		25.05	40.40	6.40	9.30	1
						YES	87832-2420	87832-2422	87832-6122	24	44.00		27.05	40.40	6.40	9.30	1 ₋ I
Ε						YES	87832-2620	87832-2622	87832-6222	26	44.00	20.20	29.05	40.40	6.40	9.30	E
						YES	87832-2820	87832-2822	87832-6322	28	56.00	26.20	31.05	52.40	6.40	9.30	1
						YES	87832-3020	87832-3022	87832-6422	30	56.00	26.20	33.05	52.40	6.40	9.30	
						YES	87832-3220	87832-3222		32							1
						YES	87832-3420	87832-3422	87832-6622	34	56.00	26.20	37.05	52.40	6.40	9.30	
						YES	87832-3620	87832-3622		36							
D						YES	87832-3820	87832-3822		38							
						YES	87832-4020	87832-4022	87832-6922	40	56.00	26.20	43.05	52.40	6.40	9.30	1
						YES	87832-4220	87832-4222		42							1
						YES	87832-4420	87832-4422	87832-7122	44	56.00	26.20	46.80	52.40	6.40	9.30	D
						YES	87832-4620	87832-4622	87832-7222	46	56.00		47.05	52.40	6.40	9.30	1
						YES	87832-4820	87832-4822		48							
						YES	87832-5020	87832-5022	87832-7422	50	72.00	34.20	53.05	68.40	6.40	9.30	
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