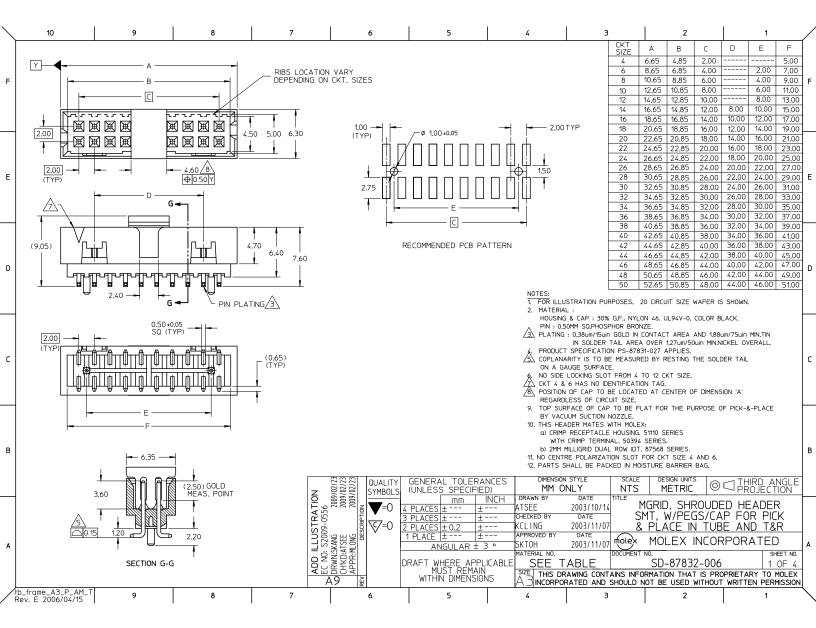


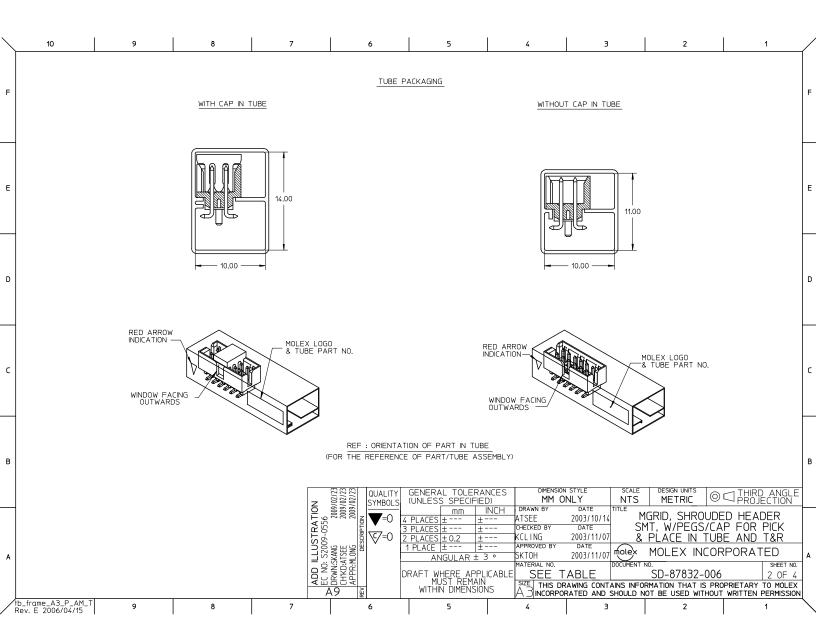
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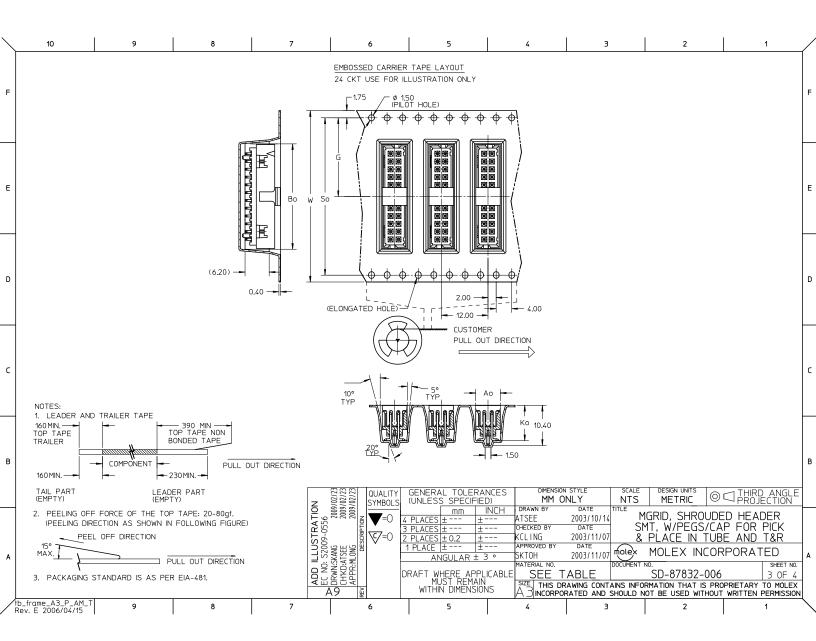
| | | WWW.MOLEX.COM FOR EATEST FART | | | | | | | |
|--------------------------------|--|---|---|--|--|--|--|--|--|
| Part Number: | 0878321420 | | | | | | | | |
| Status: | Active | | | | | | | | |
| Overview: | | | WWWWWWWWWWWWWWWWWWWW | | | | | | |
| Description: | <u>milligrid</u> 2.00mm (070") Bitch Milli (| Grid™ Header, Surface Mount, Vertical, Shrouded, Lead- | | | | | | | |
| Description. | | 5µ") Gold (Au) Plating, with Locking Windows and Centre | | | | | | | |
| | Polarization Slot, PCB Loca | | | | | | | | |
| | | | | | | | | | |
| Documents: | | | I EANIN I | | | | | | |
| 3D Model | | Product Specification PS-87831-027 (PDF) | The second se | | | | | | |
| Drawing (PDF) | | RoHS Certificate of Compliance (PDF) | Series | | | | | | |
| <u>Brawnig († Brij</u> | | | image - Reference only | | | | | | |
| Agency Certific | ation | | | | | | | | |
| CSA | ation | LR19980 | EU RoHS China RoHS | | | | | | |
| UL | | E29179 | ELV and RoHS | | | | | | |
| | | 223175 | Compliant | | | | | | |
| General | | | REACH SVHC | | | | | | |
| Product Family | | PCB Headers | Contains SVHC: No | | | | | | |
| Series | | 87832 | Halogen-Free | | | | | | |
| Application | | Wire-to-Board | Status | | | | | | |
| Comments | | Contact Molex for application in automotive industry | Not Reviewed | | | | | | |
| MolexKits | | Yes | Need more information on product | | | | | | |
| Overview | | <u>milligrid</u> | environmental compliance? | | | | | | |
| Product Name | | Milli-Grid™ | | | | | | | |
| Dhundaal | | | Email productcompliance@molex.com | | | | | | |
| Physical | | | For a multiple part number RoHS Certificate of | | | | | | |
| Breakaway | | No | Compliance, <u>click here</u> | | | | | | |
| Circuits (Loaded) | | 14 | Please visit the Contact Us section for any | | | | | | |
| Circuits (maximum) | | 14 | non-product compliance questions. | | | | | | |
| Color - Resin | | Black | | | | | | | |
| First Mate / Last Bre | ak | No 94V-0 | | | | | | | |
| Glow-Wire Complia | at | 94V-0 No | | | | | | | |
| Guide to Mating Par | | No | Search Parts in this Series | | | | | | |
| Keying to Mating Pa | | Yes | 87832Series | | | | | | |
| Lock to Mating Part | | Yes | | | | | | | |
| Material - Metal | | Phosphor Bronze | Mates With | | | | | | |
| Material - Plating Material | ating | Gold | 50394 Wire-to-Board Terminals. 51110 | | | | | | |
| Material - Plating Termination | | Tin | Wire-to-Board Crimp Housing. 87568 Wire- | | | | | | |
| Material - Resin | | Nylon | to-Board IDT Housings. 79107 Board-to- | | | | | | |
| Number of Rows | | 2 | Board Top Entry Through Hole Receptacle. | | | | | | |
| Orientation | | Vertical | 79108 Board-to-Board FFC/FPC Top Entry | | | | | | |
| PCB Locator | | Yes | Through Hole Receptacle. L | | | | | | |
| PCB Retention | | None | · | | | | | | |
| Packaging Type | | Tube | | | | | | | |
| Pitch - Mating Interf | | 0.079 ln | | | | | | | |
| Pitch - Mating Interf | | 2.00 mm | | | | | | | |
| Pitch - Term. Interfa | | 0.079 ln | | | | | | | |
| Pitch - Term. Interfa | | 2.00 mm | | | | | | | |
| Plating min: Mating | | 15 | | | | | | | |
| Plating min: Mating | | 0.38 | | | | | | | |
| Plating min: Termin | | 75 | | | | | | | |
| Plating min: Termina | | 1.88 Side Clate (2) | | | | | | | |
| Polarized to Mating | Pan | Side Slots (2) | | | | | | | |
| Polarized to PCB | | No | | | | | | | |
| Shrouded | | Fully | | | | | | | |
| Stackable | | No | | | | | | | |
| | | | | | | | | | |

| Temperature Range - Operating Termination Interface: Style | -55℃ to +105℃ Surface Mount |
|--|--|
| 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 | 10 Reflow Capable (SMT only) 1 260 |
| Material Info | |
| Reference - Drawing Numbers Product Specification Sales Drawing | PS-87831-027 SD-87832-006 |
| | Termination Interface: Style Electrical Current - Maximum per Contact Voltage - Maximum Solder Process Data Duration at Max. Process Temperature (seconds) Lead-free Process Capability Max. Cycles at Max. Process Temperature Process Temperature max. C Material Info Reference - Drawing Numbers Product Specification |

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| \setminus | 10 | 9 | 8 | 7 | 6 | | 5 | 4 | 3 | | | 2 | | | 1 | | |
|-------------|--|---|---|---------------------------|--|------------------|---|---|---|----------|---------|---------|-------------------------|--------------------------------|---------------------------------|----------------------------|---|
| | | | | | | OPTION | P/N W/O CAP | P/N W/CAP | P/N W/CAP | СКТ | | | DIME | NSION | | | |
| | | | | | | 빌린 | IN TUBE | IN TUBE | IN TAPE & REEL | SIZE | W | G | Во | So | Ao | Ko | 1 |
| | | | | | ſ | NO | 87832-0420 | 87832-0422 | 87832-5122 | 4 | 16.00 | 7.50 | 7.15 | | 6.40 | 9.30 | |
| F | | | | | ER TO PART | YES | 87832-0620 | 87832-0622 | 87832-5222 | 6 | 24.00 | 11.50 | 9.15 | | 6.40 | 9,30 | F |
| | | | | 87832-**08 | FOR CENTER { | YES | 87832-0820 | 87832-0822 | 87832-5322 | 8 | 24.00 | 11.50 | 11.05 | | 6.40 | 9.30 | |
| | | | | LOCKING | SECT OF HOM. | YES | 87832-1020 | 87832-1022 | 87832-5422 | 10 | 24.00 | 11.50 | 13.05 | | 6.40 | 9.30 | |
| | | | | | L | YES | 87832-1220 | 87832-1222 | 87832-5522 | 12 | | 14.20 | | 28.40 | 6.85 | 9.30 | |
| | | | | | | YES | 87832-1420 | 87832-1422 | 87832-5622 | 14 | | 14.20 | | 28.40 | 6.40 | 9.30 | |
| | | | | | | YES | 87832-1620 | 87832-1622 | 87832-5722 | 16 | 32.00 | 14.20 | | 28.40 | 6.40 | 9.30 | |
| | | | | | | YES YES | 87832-1820 87832-2020 | 87832-1822 87832-2022 | 87832-5822 87832-5922 | 18 20 | | | 21.05 | 40.40 | 6.40 | 9.30 | |
| | | | | | | YES | 87832-2220 | 87832-2222 | 87832-6022 | 20 | | 20.20 | 23.05 25.05 | 40.40 | 6.40 6.40 | 9.30 9.30 | |
| | | | | | | YES | 87832-2420 | 87832-2422 | 87832-6122 | 24 | | 20.20 | 27.05 | 40.40 | 6.40 | 9.30 | |
| Е | | | | | | YES | 87832-2620 | 87832-2622 | 87832-6222 | 26 | 44.00 | 20.20 | | 40.40 | 6.40 | 9.30 | Е |
| | | | | | | YES | 87832-2820 | 87832-2822 | 87832-6322 | 28 | | 26.20 | 31.05 | 52.40 | 6,40 | 9.30 | |
| | | | | | | YES | 87832-3020 | 87832-3022 | 87832-6422 | 30 | | 26.20 | | 52.40 | 6.40 | 9.30 | |
| | | | | | | YES | 87832-3220 | 87832-3222 | | 32 | | | | | | | |
| | | | | | | 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 | | | | | | | |
| | | | | | | YES | 87832-3820 | 87832-3822 | | 38 | | | | | | | |
| | | | | | | YES | 87832-4020 | 87832-4022 | 87832-6922 | 40 | | 26.20 | 43.05 | 52.40 | 6.40 | 9.30 | |
| D | | | | | | YES YES | 87832-4220 87832-4420 | 87832-4222 87832-4422 | | 42 | | | | | | | D |
| U | | | | | | YES | 87832-4620 | 87832-4622 | 87832-7122 | 44 | | 26.20 | 46.80 47.05 | 52.40 52.40 | 6.40 6.40 | 9.30 | |
| | | | | | | YES | 87832-4820 | 87832-4822 | 87832-7222 | 46 | | 26.20 | 47.05 | 52.40 | 0.40 | 9.30 | |
| | | | | | | YES | 87832-5020 | 87832-5022 | 87832-7422 | 50 | 72.00 | | | | | 9.30 | |
| | | | | | | | 07052 5020 | 07052 5022 | 0/052-/422 | 1.20 | 72.00 | J4.201 | 10.00 | 00.40 | 0.40 | 9.00 | |
| с | | | | | | | | | | | | | | | | | с |
| в | | | | | SSS autor | | ERAL TOLERAN | | | SCAL | | | s (© | | | NGLE | В |
| | | | | z | SYMBOL: | | ESS SPECIFIED | ., | 1 ONLY | NTS | 5 M | ETRIC | | ' S PF | HRD A ROJEC | FION - | |
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| | b_frame_A3_P_AM_T | - | | 1 | | · · · | | | | | | | WITHUU | | | 1112210N | |
| | D_TFAME_A3_P_AM_T Rev. E 2006/04/15 | 9 | 8 | 7 | 6 | | 5 | 4 | 3 | | | 2 | | | 1 | | / |