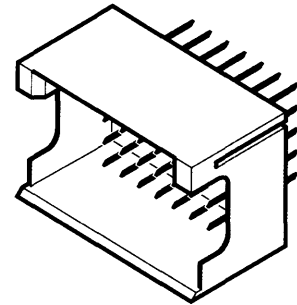




2.50mm (.098") Pitch Omnigrid® Board-to-Board Backplane Header

85101
Male, 1 SU



FEATURES AND SPECIFICATIONS

Features and Benefits

- Up to 35 contacts
- Selective loading available
- Rear plug pin lengths available
- First-make/last-break contacts
- Last-make/first-break contacts (Available at any position)
- C-pins

Electrical

Working Voltage: 750Vrms (fully loaded)
Current: 1.5A max. (fully loaded)
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 1000V
Insulation Resistance: 10⁶ MΩ min.

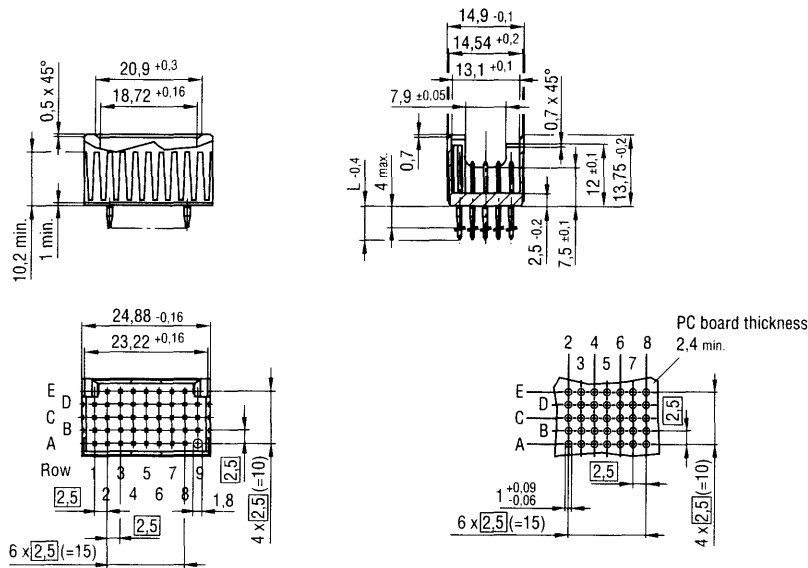
Mechanical

Insertion Force to PCB: 160N (35.97 lb) max.
Mating Force: 1N (.22 lb) max.
Unmating Force: 0.6N (.13 lb) min.
Durability: PL 1—500 cycles
PL 2—250 cycles

Physical

Housing: Polycarbonate, UL 94V-0
Contact: Phosphor Bronze
Plating: Gold performance level 1, 2 per IEC 1076-4-100
PCB Thickness: 1.60 to 2.00mm (.063 TO .079")
Operating Temperature: -55 to +125°C

CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

| Arrangement | Termination L | Order No. | | | |
|-------------|---------------|------------|------------|------------|------------|
| | | G1/0 | G1/1 | G2/0 | G2/2 |
| 1 | 6 | 85101-0012 | | 85101-0062 | |
| 1 | 14 | | 85101-0103 | | 85101-0139 |
| 1 | 17,75 | | 85101-0115 | | 85101-0141 |
| 2 | 6 | 85101-0177 | | 85101-0220 | |
| 2 | 14 | | 85101-0268 | | 85101-0294 |
| 2 | 17,75 | | 85101-0270 | | 85101-0309 |

Note: For contact plating codes (GX/X see Omnigrid Performance Page) For press-in insertion, please refer to tooling section. For other versions –tail length, plating, arrangements – please contact your local Molex office.