FEATURES AND SPECIFICATIONS

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

85102

Female, 2 SU

Features and Benefits

- Up to 85 contacts
- Selective loading available
- Versions available to meet Bellcore 1217 requirements
- V-press fit termination

Electrical

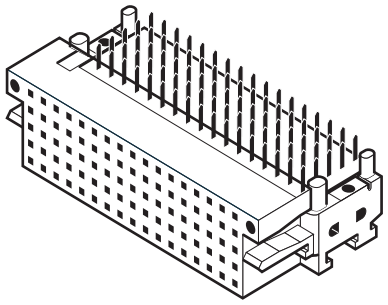
Working Voltage: 750Vrms (fully loaded)
Current: 1.5A max. (fully loaded)
Contact Resistance: 30mΩ max.
Dielectric Withstanding Voltage: 1000V
Insulation Resistance: 10^6 MΩ min.

Mechanical

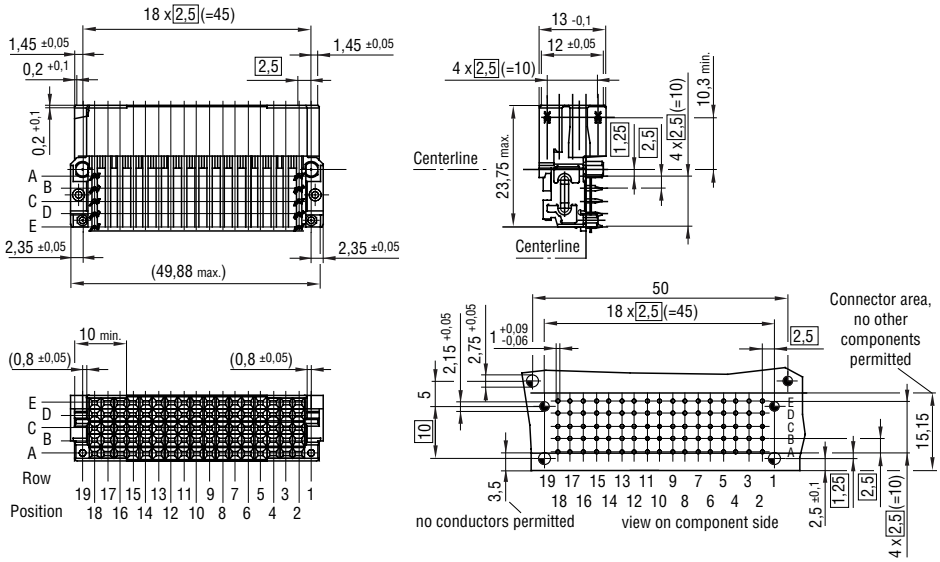
Insertion Force to PCB: 160N (35.97 lb) max.
Mating Force: 1N (.22 lb) max.
Unmating Force: 0.6N (.13 lb) min.
Durability: PL 1—500 cycles
PL 2—250 cycles

Physical

Housing: Polycarbonate, UL 94V-0
Contact: Phosphor Bronze
Plating: 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	Order No.	
	G1/0	G2/0
1	85102-0000	85102-0012
2	85102-0024	85102-0036
3	85102-0048	85102-0050
4	85102-0062	85102-0074
5	85102-0086	85102-0098
6	85102-0103	85102-0115
7	85102-0127	85102-0139

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.