

FEATURES AND SPECIFICATIONS

Features and Benefits

- Up to 35 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: 10⁶ MΩ min.

Mechanical

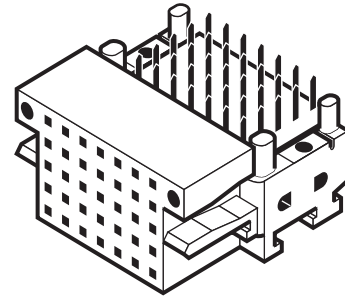
Insertion Force to PCB: 160N (35.97 lb) max.
 Mating Force: 1N (.22 lb) max.
 Unmating Force: 0.6N (.13 lb) min.
 Durability: PL 1—500 cycles
 PL 2—250 cycles

Physical

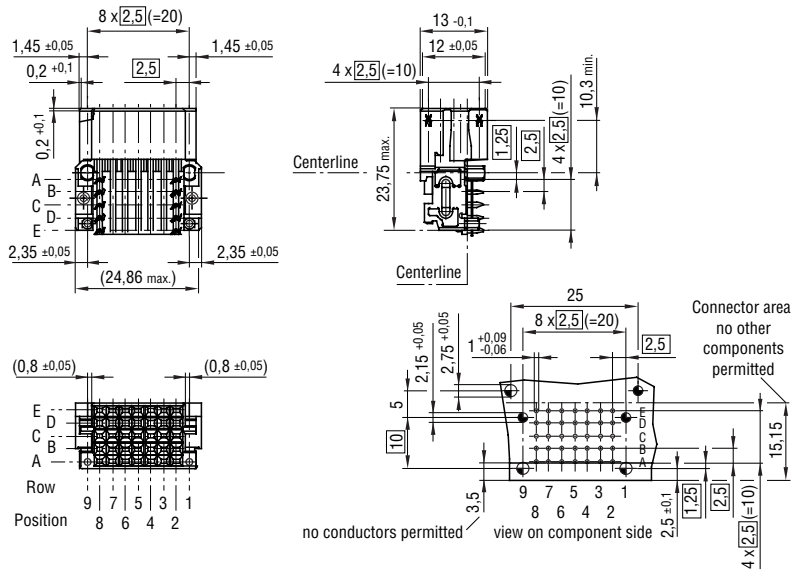
Housing: Polycarbonate, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Performance level 1, 2 per IEC 1076-4-100
 PCB Thickness: 1.60 to 2.00mm (.063 TO .079")
 Operating Temperature: -55 to +125°C

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

**85100
 Female, 1 SU**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Arrangement	Order No.	
	G1/0	G2/0
1	85100-0000	85100-0012
2	85100-0024	85100-0036
3	85100-0048	85100-0050
4	85100-0062	85100-0074
5	85100-0086	85100-0098
6	85100-0103	85100-0115
7	85100-0127	85100-0139

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.