

FEATURES AND SPECIFICATIONS

Features and Benefits

- Up to 185 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

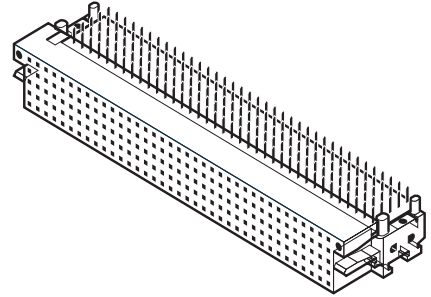
Housing: Polycarbonate, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Performance level 1, 2 per IEC 1076-4-100
 PCB Thickness: 1.60 to 2.00mm (.063 TO .079")
 Operating Temperature: -55 to +125°C



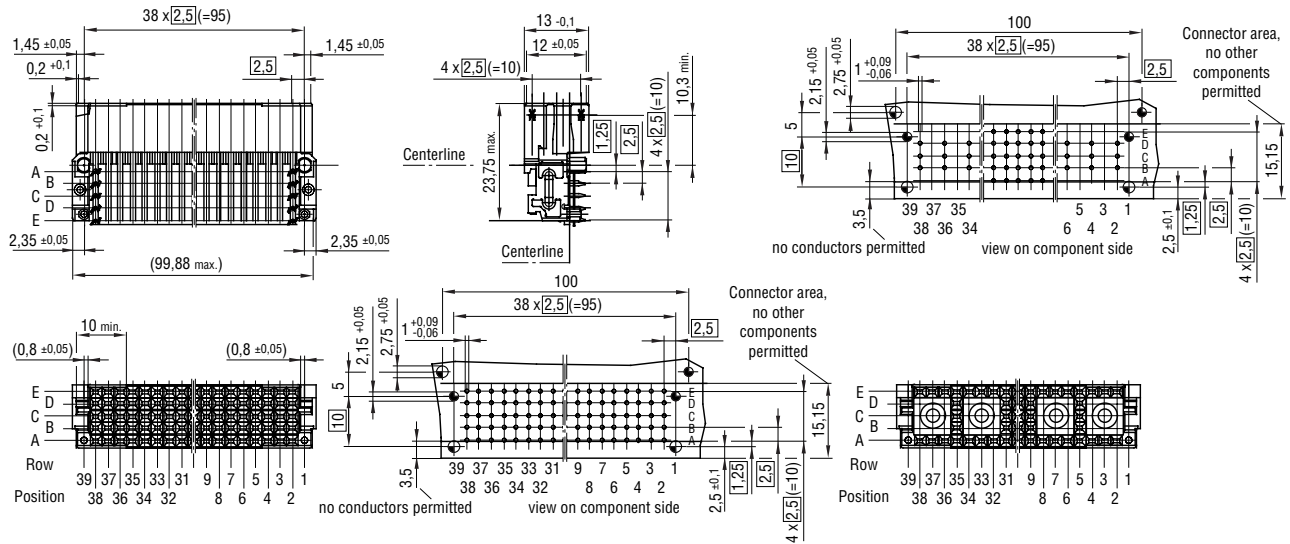
**2.50mm (.098") Pitch
 Omnigrid®
 Board-to-Board
 Receptacle**

85104

Female, 4 SU + Power



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Arrangement	Order No.							
	G1/0	Power 3 + 7 G1/0	Power 33 + 37 G1/0	Power 3+7+33+37 G1/0	G2/0	Power 3 + 7 G2/0	Power 33 + 37 G2/0	Power 3+7+33+37 G2/0
1	85104-0000	85124-0000	85124-0206	85124-0402	85104-0012	85124-0012	85124-0218	85124-0414
2	85104-0024				85104-0036			
3	85104-0048				85104-0050			
4	85104-0062				85104-0074			
5	85104-0086				85104-0098			
6	85104-0103				85104-0115			
7	85104-0127				85104-0139			

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.