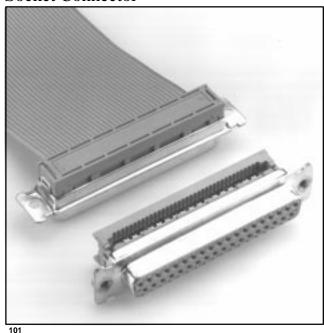
Socket Connector 899 Series



- Preassembled, one-piece body can reduce assembly time to one-third
- Available in 9, 15, 25 and 37 positions
- Accepts .050" flat ribbon and discrete wire, 26 and 28 AWG, solid and stranded cable
- Choice of preassembled open or closed covers
- Friction dimples give EMI/ESD protection
- Special locator plate reduces the risk of misalignment during assembly
- Fiber-free PVC blister packages of 25 speed loading of automated assembly equipment
- · Threaded inserts for built-in convenience
- Cable strain relief, hooking directly to the metal shell, available

TS-0484-06 Sheet 1 of 3

Date Modified: September 23, 1999

## **Physical**

Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact

Material: Phosphor Bronze

Plating

Underplate:  $50 \mu'' (1.27 \mu m)$  Nickel — QQ-N-290, Class 2

Wiping Area:  $15 \mu''$  (0.38  $\mu$ m) Gold — MIL-G-45204, Type II, Grade C

Shel

Material: Steel

Plating: Tin

**Strain Relief Material:** Stainless Steel .016 (0.40) Thick **Wire Accommodation:** 26 & 28 AWG Solid or Stranded

Marking: 3M Logo & Contact Position Numbers

## **Electrical**

**Current Rating:** 1 A

**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 500 VDC **Withstanding Voltage:** 1000 Vrms at Sea Level

## **Environmental**

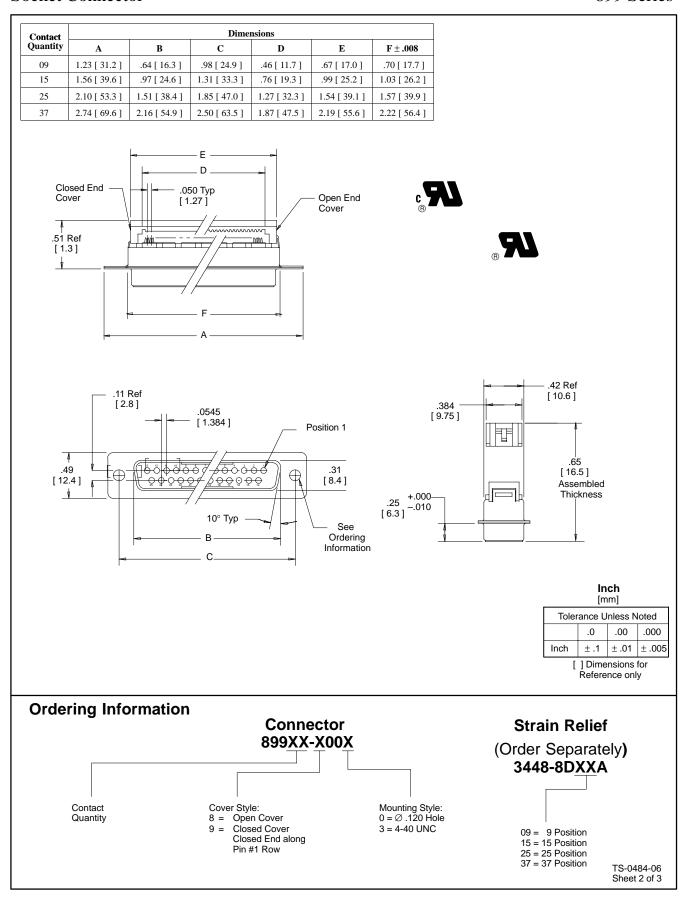
**Temperature Rating:**  $-55^{\circ}$  to  $+105^{\circ}$ 

UL File No.: E68080

**3M Interconnect Solutions Division** 

6801 River Place Blvd. Austin, TX 78726-9000 For technical, sales or ordering information call 800-225-5373

899 Series



Mounting Method*	Contact Quantity	Dimensions						
		A1	B1	C1	D1	E1	F1	G1
Front	9	.87 [ 22.0 ]	.44 [ 11.2 ]	.98 [ 24.9 ]	.49 [ 12.5 ]	.51 [13.0]	.26 [ 6.6 ]	.12 [3.1]
	15	1.20 [ 30.5 ]	.60 [ 15.2 ]	1.31 [ 33.3 ]	.66 [ 16.8 ]			
	25	1.74 [ 44.2 ]	0.87 [ 22.1 ]	1.85 [ 47.0 ]	.93 [ 23.6 ]			
	37	2.39 [ 60.7 ]	1.20 [ 30.5 ]	2.50 [ 63.5 ]	1.25 [ 31.8 ]			
Rear	9	0.81 [ 20.6 ]	.40 [ 10.2 ]	.98 [ 25.0 ]	.49 [ 12.5 ]	0.45	0.22 [ 5.8 ]	.12 [ 3.1 ]
	15	1.13 [ 28.7 ]	.57 [ 14.5 ]	1.31 [ 33.3 ]	0.66 [ 16.8 ]			
	25	1.67 [ 42.4 ]	0.84 [ 21.3 ]	1.85 [ 47.0 ]	.93 [ 23.6 ]			
	37	2.33 [ 59.2 ]	1.16 [ 29.5 ]	2.50 [ 63.5 ]	1.25 [ 31.8 ]			

<sup>\*</sup> Front Mount—The connector is mounted in front of the panel. Rear Mount—The connector is mounted behind the panel.

