D Sub

Plug Connector, Discrete Wire Termination

DDM Series



- IDC contact with integral wire strain relief
- #20-30 AWG discrete wire capability
- Tin plated steel shells for electrical grounding and shielding capability

Date Modified: February 11, 2002

TS-1057-01 Sheet 1 of 3

Physical

Insulation

Material: Thermoplastic Glass Filled Polyester

Flammability: UL 94V-0 Color: Black

Contact

Material: Copper Alloy

Plating

Underplate: 50 μ" (1.27 μm) Nickel — QQ-N-290, Class 2

Wiping Area: Gold — MIL-G-45204, Type II, Grade C (See ordering information)

ShellMaterial: Steel
Plating: Tin

Wire Accommodation: See ordering Information

Marking: Contact Position Numbers

Electrical

Current Rating: 20 AWG-7.0 Amps / 22 AWG-5.3 Amps Cable Rating: 115°C minimum

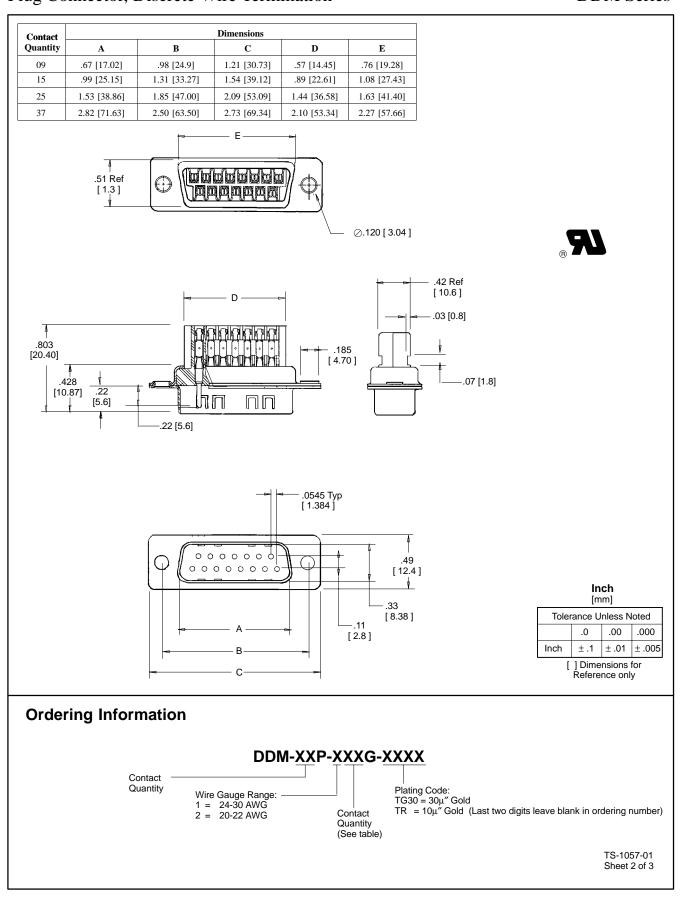
24 AWG-4.0 Amps / 26 AWG-2.9 Amps Cable Rating: 80°C minimum 28 AWG-2.0 Amps / 30 AWG-1.0 Amps Cable Rating: 80°C minimum

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

Environmental

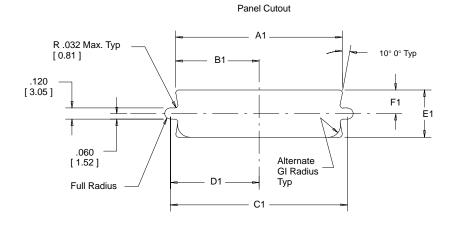
Temperature Rating: -65° to $+105^{\circ}$

UL File No.: E68080



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]	.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	.12 [3.1]	
	15	1.13 [28.7]	.57 [14.5]	1.31 [33.3]	.66 [16.8]				
	25	1.67 [42.4]	.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]				

^{*} Front Mount—The connector is mounted in front of the panel. Rear Mount—The connector is mounted behind the panel.



Tooling required to assemble the DDM socket and Plug connector						
Bench Termination Method	Manual Arbor Press	CT-20				
	Tooling Nest	DDM-MTT-1				
	Platten	DDM-MTT-1P				
Hand Termination Method	Ratcheting hand tool	DDM-HTT-R1				

TS-1057-01 Sheet 3 of 3