

3M™ Pak 50 I/O Cable Plug

.050" Straight and Right Angle, Panel Mount

P50 Series



- Supports 28 or 30 AWG discrete or laminated wire cables
- Fully EMI shielded
- 20 to 100 position
- Mates to P50 series cable mount socket

Date Modified: May 15, 2003

TS-1155-01
Sheet 1 of 3

Physical

Insulation

Material: Glass filled Nylon
Flammability: UL 94V-0
Color: Black

Contact

Material: Phosphor Bronze

Plating

Underplating: Nickel
Wiping Area: See Ordering Information
Solder Tails: Tin Alloy over Nickel
Wire Accommodation: 28 or 30 AWG Stranded Cable

Electrical

Current Rating: 0.5 A
Insulation Resistance: 10^3 M Ω min. at 500 V DC
Withstanding Voltage: 650 V AC for 1 minute

Environmental

Temperature Rating: -55°C to +85°C

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.050" Straight and Right Angle, Panel Mount

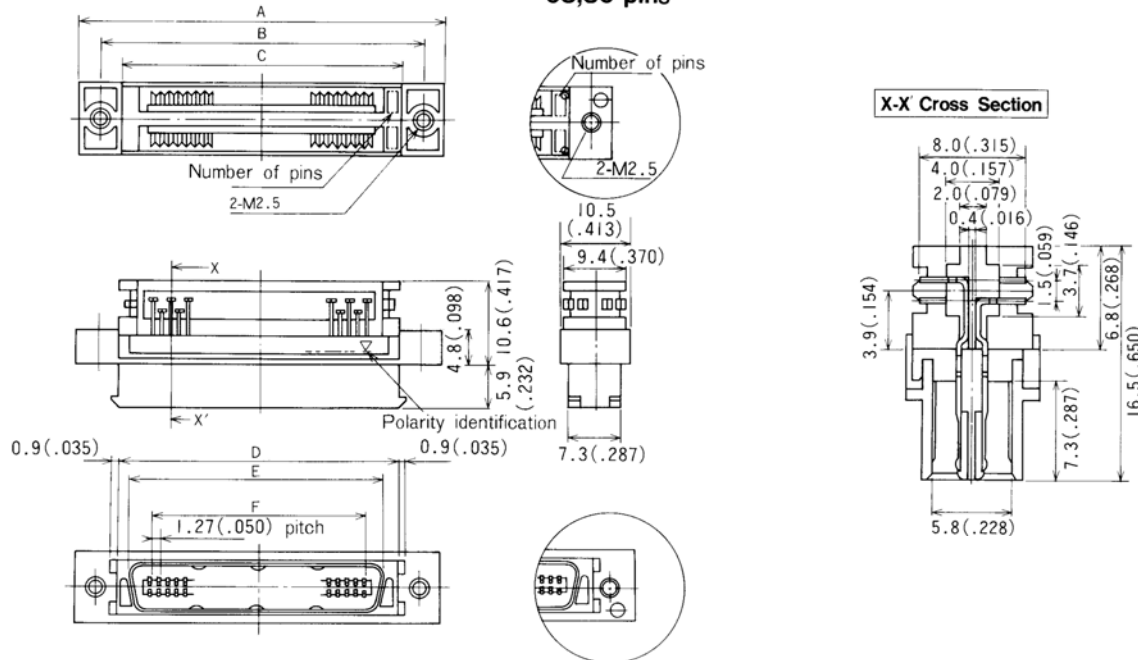
P50 Series

Product Table / Dimensions

Contact Quantity	A	B	C	D	E	F
20	33.40 [1.315]	27.40 [1.079]	20.75 [0.817]	21.60 [0.850]	16.73 [0.659]	13.13 [0.517]
28	38.48 [1.515]	32.48 [1.279]	25.83 [1.017]	26.68 [1.050]	21.81 [0.859]	18.21 [0.717]
34	42.29 [1.665]	36.29 [1.429]	29.64 [1.167]	30.49 [1.200]	25.62 [1.009]	22.02 [0.867]
50	52.45 [2.065]	46.45 [1.829]	39.80 [1.567]	40.65 [1.600]	35.78 [1.409]	32.18 [1.267]
60	58.80 [2.315]	52.80 [2.079]	46.15 [1.817]	47.00 [1.850]	42.13 [1.659]	38.53 [1.517]
68	63.88 [2.515]	57.88 [2.279]	51.23 [2.017]	52.08 [2.050]	47.21 [1.859]	43.61 [1.717]
80	71.50 [2.815]	65.50 [2.579]	58.85 [2.317]	59.70 [2.350]	54.83 [2.159]	51.23 [2.017]

20,50 pins

28,34,60,
68,80 pins



Ordering Information

P50 - XXX - XXXX - XXXX

Contact Quantity
See Table

DDP = 28 AWG discrete wire
MDP = 28 AWG laminated wire
DDPC = 30 AWG discrete wire
MDPD = 30 AWG laminated wire

Plating Options:
TG = 10 μ" [0.25 μm] min. Gold
TG30 = 30 μ" [0.75 μm] min. Gold

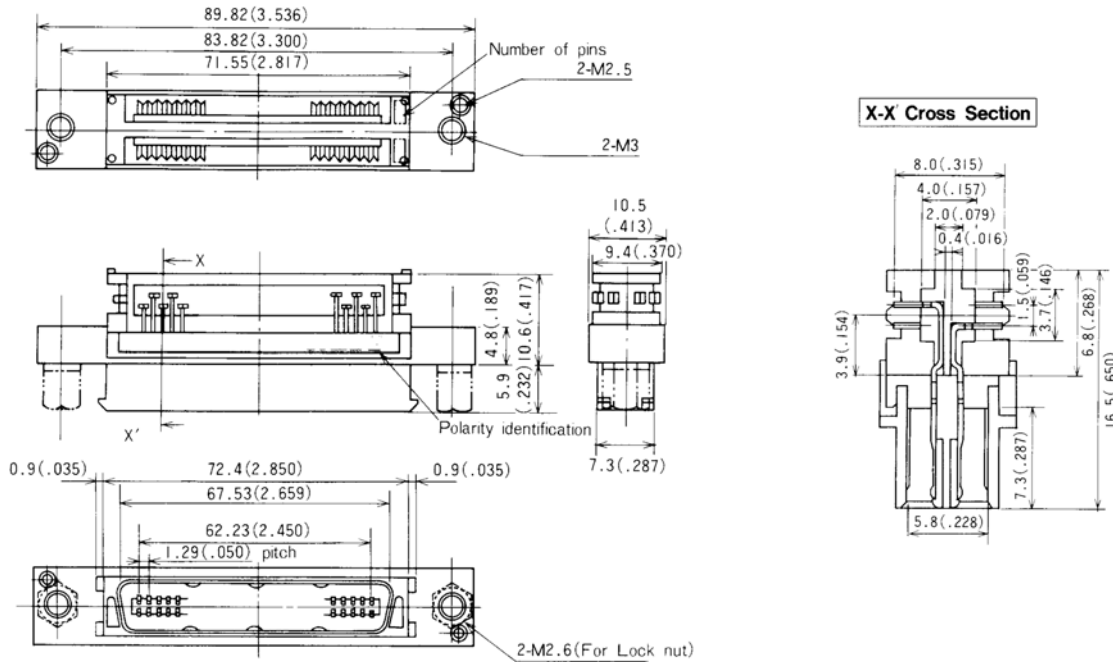
TS-1155-01
Sheet 2 of 3

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P50 Series

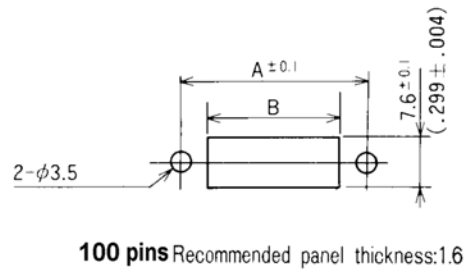
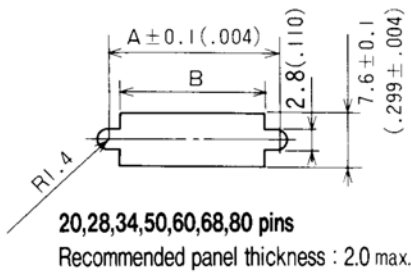
100 Pins Cable Plug



Dimension for Panel Cutout

Dimensions

Contact Quantity	A	B	Contact Quantity	A	B
20	27.40 [1.079]	24.40 [0.961]	60	52.80 [2.079]	49.80 [1.961]
28	32.48 [1.279]	29.48 [1.161]	68	57.88 [2.279]	54.88 [2.161]
34	36.29 [1.429]	33.29 [1.311]	80	65.50 [2.579]	62.50 [2.461]
50	46.45 [1.829]	43.45 [1.711]	100	83.82 [3.300]	75.20 [2.961]



TS-1155-01
Sheet 3 of 3

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