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MATERIAL AND FINISH

Insulator: Glass filled Polyester, color black,
UL-94V-0 rated

Shield: 0.25mm thick Brass, Tin-Lead plated

Contacts: 0.35mm thick Phosphor Bronze, Gold
plated (see chart), 150µin of Tin-Lead min. over 50µin
of Nickel on solder tails

MECHANICAL SPECIFICATIONS:

Durability: 750 cycles min.

ELECTRICAL SPECIFICATIONS:

Rated current: 1.0 A

Rated voltage: 150 VAC rms.

Contact resistance: 40 mohms max.

Insulation resistance: 1000 Mohm min. at 500 VDC

Dielectric withstanding voltage: 1000 VAC rms 60Hz
for one minute.

ENVIRONMENTAL:

Storage temperature: -40°C to +85°C

Operating temperature: 0°C to +70°C

Mates with modular plug conforming to FCC part 68,
subpart F.

Category 5 characteristic:

Frequency	Near-End Cross Talk dB, MIN.	Return Loss dB, MIN.	Attenuation dB, MAX.
1.0 MHZ	65	23	0.1
4.0 MHZ	65	23	0.1
8.0 MHZ	62	23	0.1
10.0 MHZ	60	23	0.1
16.0 MHZ	56	23	0.2
20.0 MHZ	54	23	0.2
25.0 MHZ	52	14	0.2
31.25 MHZ	50	14	0.2
62.5 MHZ	44	14	0.3
100.0 MHZ	40	14	0.4

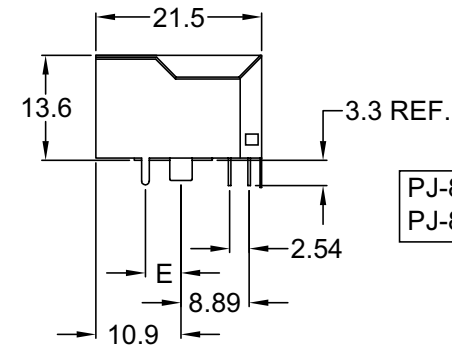
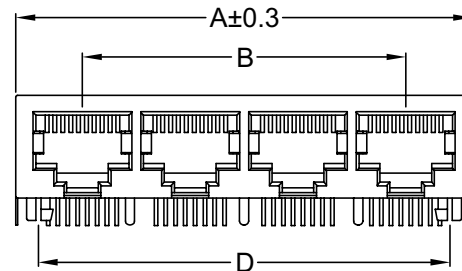
NOTES:

1. REPLACE 1st X IN P/N WITH NUMBER OF PORTS.
2. ADDITIONAL SHIELD OPTIONS AVAILABLE UPON REQUEST.

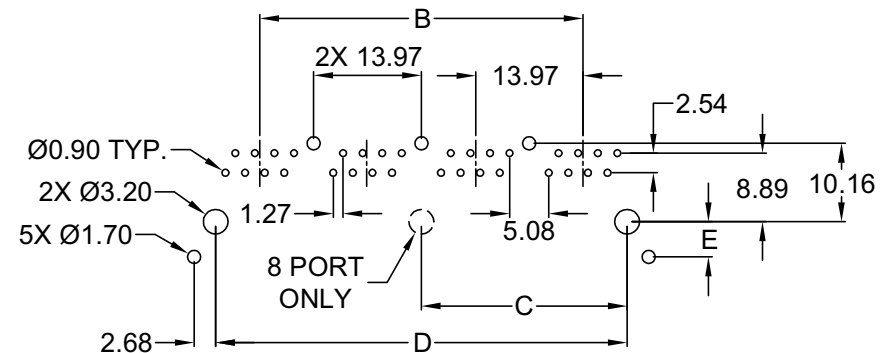
No. of
Ports

Dimensions

	A	B	C	D
2	31.2	13.97	----	25.40
4	59.2	41.91	----	53.34
6	87.1	69.85	----	81.28
8	114.7	97.79	54.61	109.22



PJ-8P8C-XS-5021BX (E = 4.57)
PJ-8P8C-XS-5023BX (E = 3.68)



RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

TOLERANCE
UNLESS OTHERWISE SPECIFIED

X ± 1
X.X ± 0.4
X.XX ± 0.20

Power Dynamics, Inc.

Phone: 973 560-0019 Whippany, New Jersey Fax: 973 560-0076

PART: CAT. 5 TELEPHONE JACK; 8P8C; SHIELDED
2-8 PORTS; SIDE ENTRY; PCB MOUNT - 5 GND TABS

PART #: **PJ-8P8C-XS-50XXBX** SHEET 1 of 1

SIZE: A ALL DIMENSIONS FOR REFERENCE ONLY
SCALE: NTS DIMENSIONS ARE IN MILLIMETERS REV:

REVISIONS

CHNG CHECK APPR

CHANGE

REV DATE

P/N	PLATING
PJ-8P8C-XS-50XXB	6 µ" OF GOLD
PJ-8P8C-XS-50XXB2	15 µ" OF GOLD
PJ-8P8C-XS-50XXB4	30 µ" OF GOLD
PJ-8P8C-XS-50XXB4	50 µ" OF GOLD

DRAWN BY	GQ	DATE:	07/16/02
CHECK BY	TD	DATE:	07/18/02
APPR BY	PB	DATE:	07/18/02

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