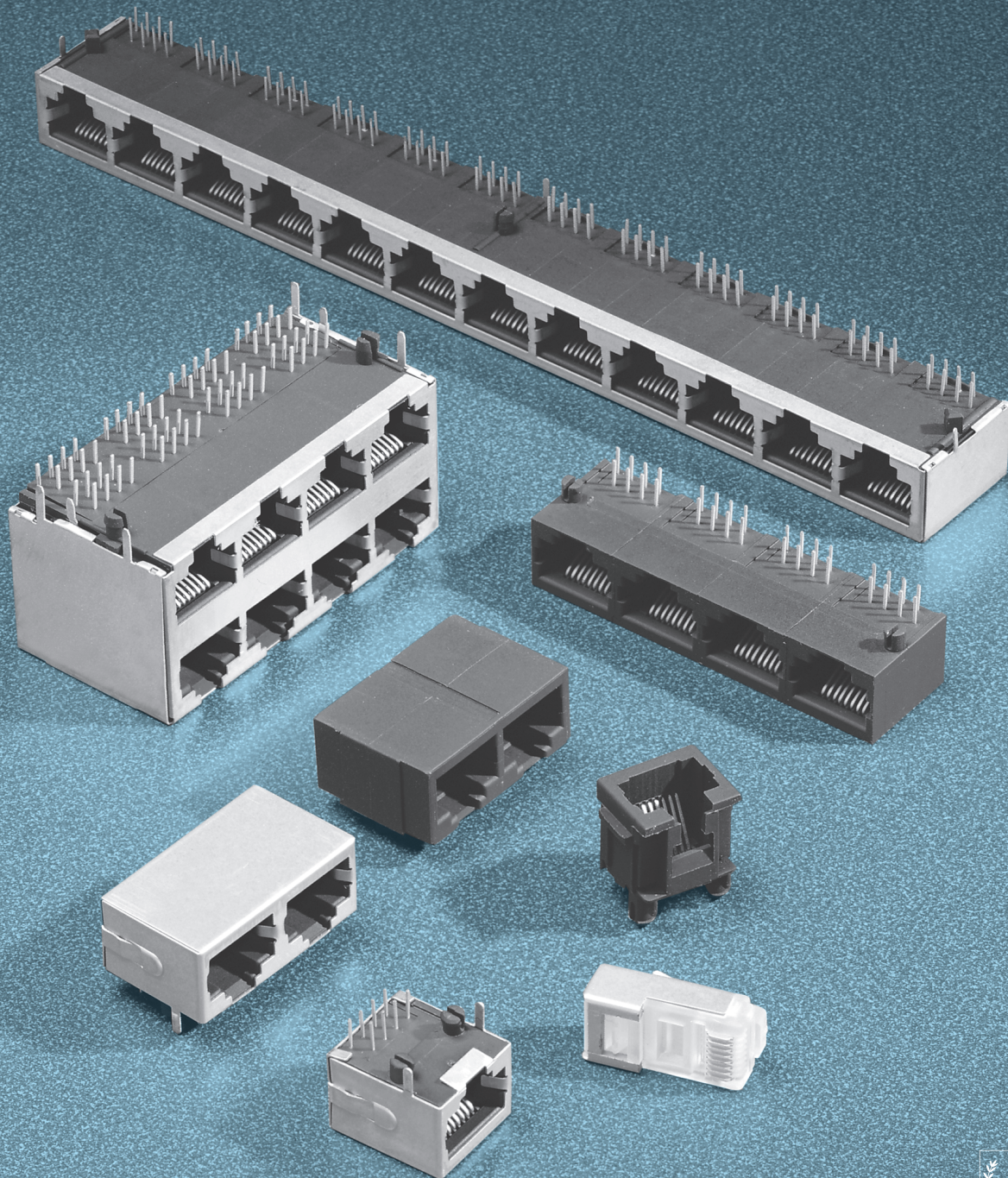


TELEPHONE JACKS & PLUGS



Power Dynamics modular jacks and plugs are designed to meet a wide variety of telecommunication applications. They are available in Category 5, RJ11, RJ25, and RJ45 versions. Features include: shielding, various body styles, multiple ports, LED and 50 μ " gold contact plating as standard. All PDI Telephone jacks and plugs carry the  and  safety approvals.

PDI[®]
Power Dynamics, Inc.

PHONE JACK ORDERING CODE

PHONE JACKS PJ - **8** P **8** C - **1** **S** - **40** **02** - **B** **5**

NUMBER OF POSITIONS:	= 4 = 6 = 8 = 10
NUMBER OF CONTACTS:	= 2 = 4 = 6 = 8 = 10
NUMBER OF PORTS:	1 THROUGH 12
OPTIONS:	UNSHIELDED = BLANK SHIELDED = S
BODY STYLE:	01 THROUGH 99 (Add "F" (01F) if body style is flanged)
SHIELD OPTIONS: 01 THROUGH 99 4.57mm FROM GROUND PEG TO PLASTIC PEG (SINGLE PORT) = 02 3.68mm FROM GROUND TAB TO PLASTIC PEG (SINGLE PORT) = 03 3.05mm FROM PLASTIC TAB TO GROUND TAB (SINGLE PORT) = 04 4.57mm FROM GROUND TAB TO PLASTIC PEG, 3 GROUNDING TABS (MULTI-PORT) = 20 4.57mm FROM GROUND TAB TO PLASTIC PEG, 5 GROUNDING TABS (MULTI-PORT) = 21 3.68mm FROM GROUND TAB TO PLASTIC PEG, 3 GROUNDING TABS (MULTI-PORT) = 22 3.68mm FROM GROUND TAB TO PLASTIC PEG, 5 GROUNDING TABS (MULTI-PORT) = 23 4.57mm FROM GROUND TAB TO PLASTIC PEG, 3 GROUNDING TABS, WITH PANEL GROUND (MULTI-PORT) = 30 4.57mm FROM GROUND TAB TO PLASTIC PEG, 5 GROUNDING TABS, WITH PANEL GROUND (MULTI-PORT) = 31 3.68mm FROM GROUND TAB TO PLASTIC PEG, 3 GROUNDING TABS, WITH PANEL GROUND (MULTI-PORT) = 32 3.68mm FROM GROUND TAB TO PLASTIC PEG, 5 GROUNDING TABS, WITH PANEL GROUND (MULTI-PORT) = 33 PANEL GROUND TABS ON TOP AND SIDES = 40 PANEL GROUND TABS ON TOP, SIDES AND BOTTOM = 41	
COLOR:	BLACK = B GRAY = G (FOR COUPLER ONLY): RED = R BLUE = L YELLOW = Y GREEN = N WHITE = W IVORY = V
PLATING:	6μ" OF GOLD = BLANK 15μ" OF GOLD = 2 30μ" OF GOLD = 4 (STANDARD) 50μ" OF GOLD = 5

SPECIFICATIONS

MATERIAL AND FINISH:

Insulator: PBT or ABS glass filled Nylon or Polyester, UL 94V-0 rated.
 Contact: Phosphor Bronze, gold over Nickel plated.
 Shield: Brass, tin or Nickel plated.

MECHANICAL SPECIFICATIONS:

Operating temperature: 0°C - 70°C

ELECTRICAL SPECIFICATIONS:

Rated Current: 1 - 1.5A
 Rated voltage: 125 - 150VAC rms.

Insulator Resistance: 500 - 1000 Megaohms min@ 500VDC

Dielectric Withstanding Voltage: 1000 VAC for one minute

Contact Resistance: 30 - 40 Milliohms max.



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 e-mail: sales@powerdynamics.com • www.powerdynamics.com

EXAMPLE & ORDERING CODE

PHONE PLUGS PHP - 8 P 8 C - S - 4

NUMBER OF POSITIONS:

= 4
= 6
= 8
= 10

NUMBER OF CONTACTS:

= 2
= 4
= 6
= 8
= 10

OPTIONS:

UNSHIELDED
SHIELDED

= BLANK
= S

PLATING:

6μ" OF GOLD = BLANK
15μ" OF GOLD = 2
30μ" OF GOLD = 4
(STANDARD) 50μ" OF GOLD = 5

SPECIFICATIONS

MATERIAL AND FINISH:

Body: Polcarbonate
Shield: Nickel Plated Phosphor Bronze

Contacts:

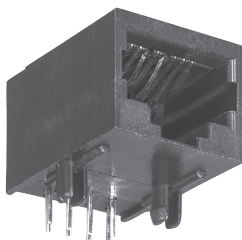
Material: Phosphor Bronze
Plating: Gold 50μ"

RoHS
2002/95/EC
COMPLIANT

Category 5

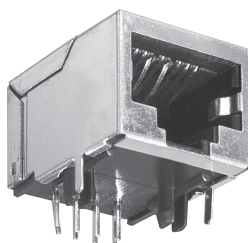
PJ-8P8C-1-50B5

(shown)



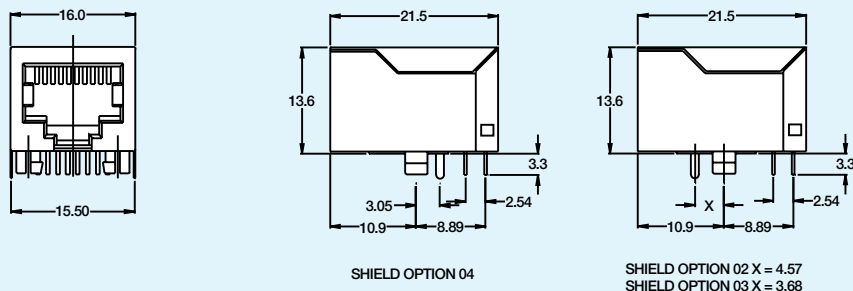
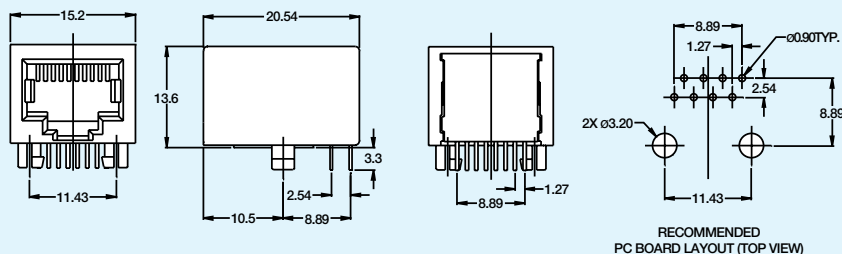
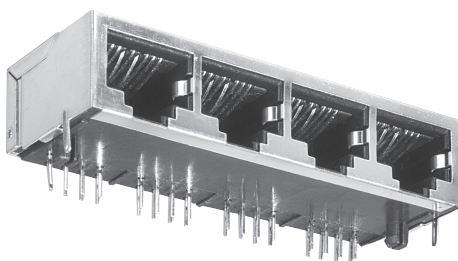
PJ-8P8C-1S-5003B5

(shown)

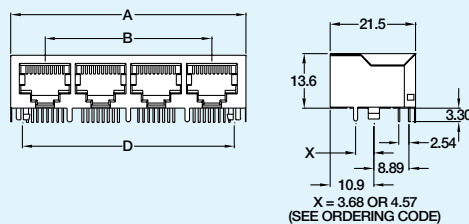
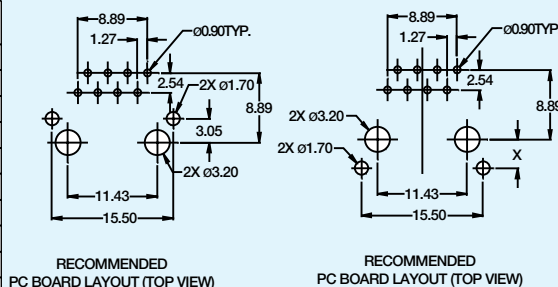


PJ-8P8C-4S-5021B5

(shown)

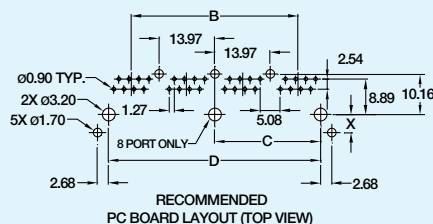


Frequency	Near-End Crosstalk, dB	Return Loss, dB	Attenuation, dB
1.0 MHz	65	23	0.1
4.0 MHz	65	23	0.1
8.0 MHz	62	23	0.1
10.0 MHz	60	23	0.1
16.0 MHz	56	23	0.2
20.0 MHz	54	23	0.2
25.0 MHz	52	14	0.2
31.25 MHz	50	14	0.2
62.5 MHz	44	14	0.3
100.0 MHz	40	14	0.4



No. of Positions	Dimensions			
	A	B	C	D
2	31.24	13.97	---	25.40
4	59.18	41.91	---	53.34
6	87.12	69.85	---	81.28
8	115.06	97.79	54.61	109.22

Frequency	Near-End Crosstalk, dB	Return Loss, dB	Attenuation, dB
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



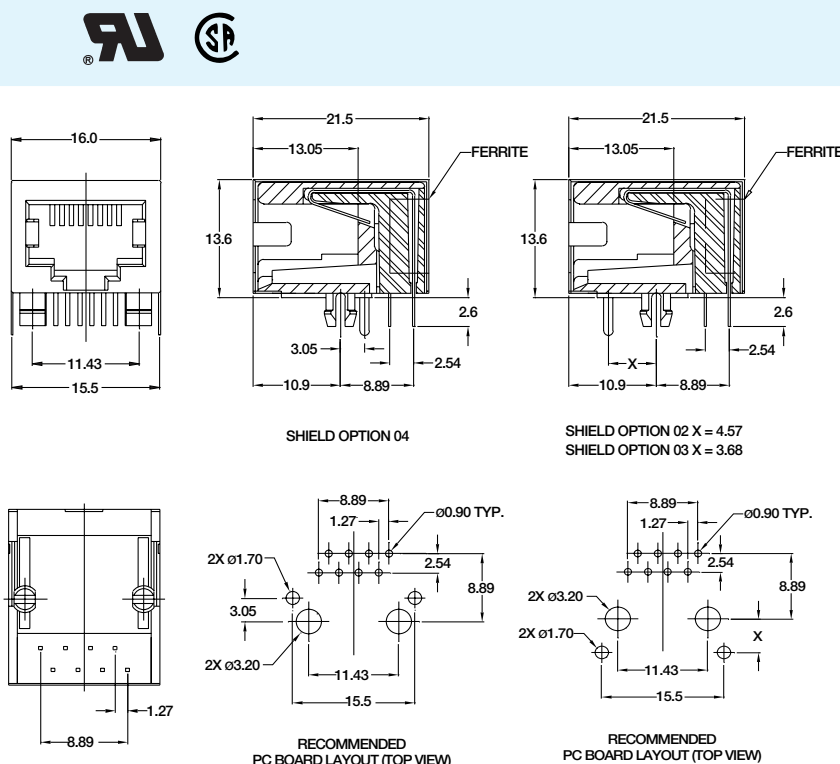
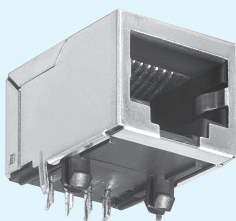
NOTE: SHIELD OPTIONS AVAILABLE-20, 21, 22, 23, 30, 31, 32, 33
ALSO AVAILABLE IN UNSHIELDED VERSION

Specifications subject to change without notice. Dimensions in mm.

Ferrite Filtered

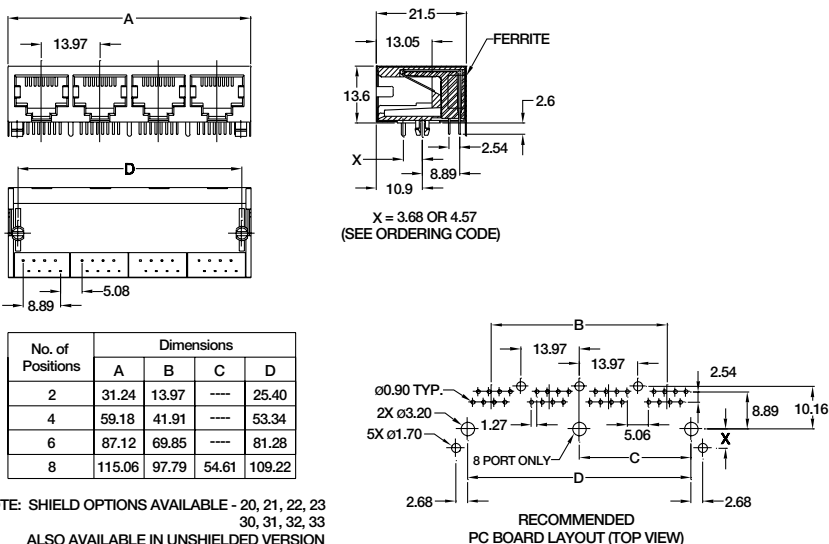
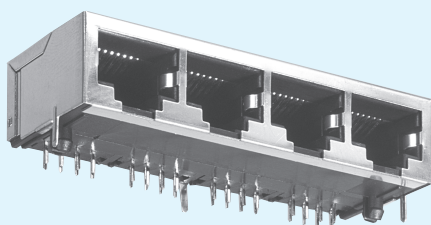
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(shown)

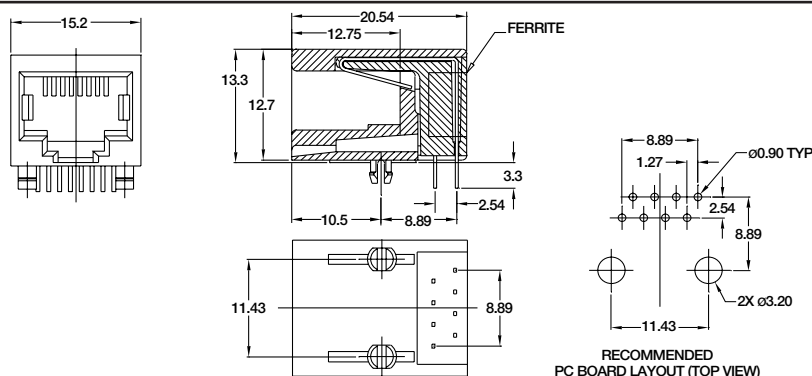
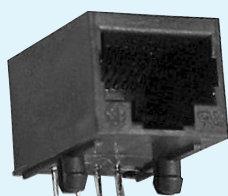


PJ-8P8C-4S-4022B5

(shown)



PJ-8P8C-1-40B5

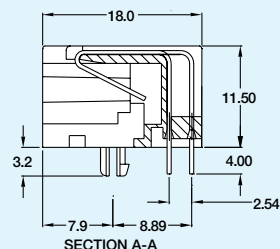
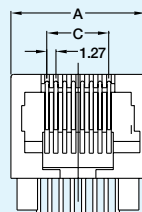
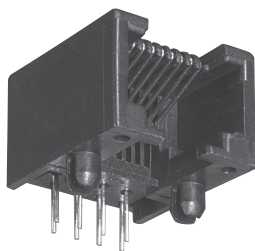


Specifications subject to change without notice. Dimensions in mm.

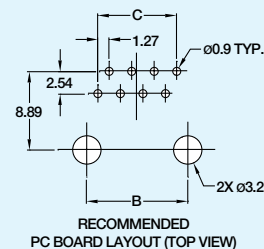
Right Angle

PJ-8P8C-1-04B5

(shown)

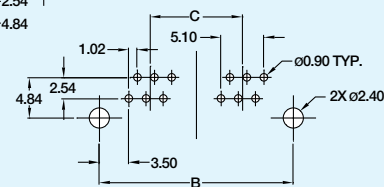
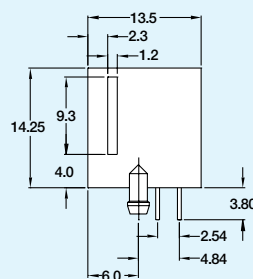
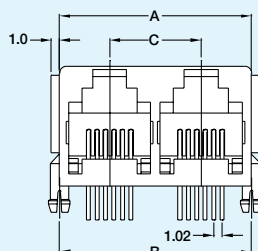
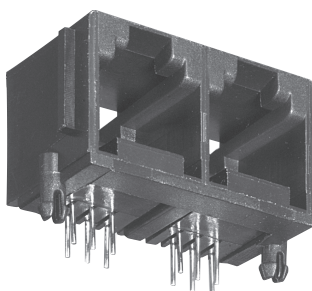


No. of Positions	Dimensions		
	A	B	C
4	11.16	7.62	3.81
6	13.20	10.16	6.35
8	15.15	11.43	8.89



PJ-6P6C-2-06FB5

(shown)

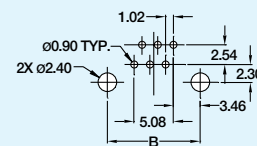
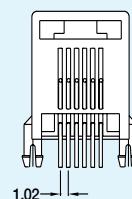
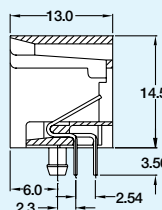
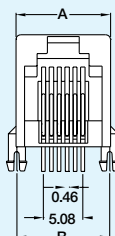
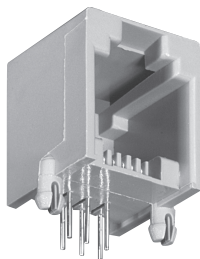


RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

Dimension	No. of Ports										
	2	3	4	5	6	7	8	9	10	11	12
A	23.1	34.1	45.1	56.1	67.1	78.1	89.1	100.1	111.1	122.1	133.1
B	23.1	34.1	45.1	56.1	67.1	78.1	89.1	100.1	111.1	122.1	133.1
C	11.00	22.00	33.00	44.00	55.00	66.00	77.00	88.0	99.0	110.0	121.0

PJ-6P6C-1-05G5

(shown)



RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

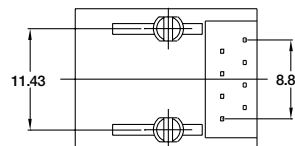
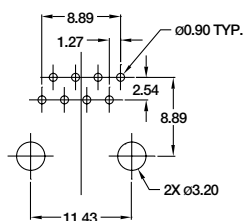
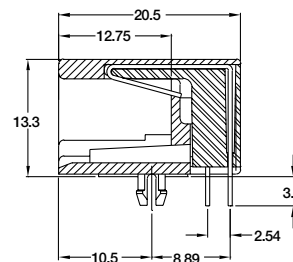
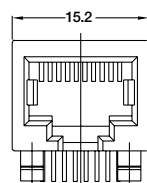
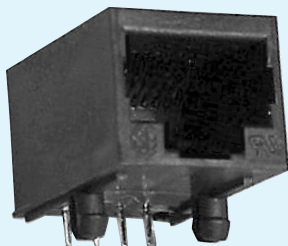
No. of Positions	Dimensions	
	A	B
4	10.0	10.00
6	12.2	12.00

Specifications subject to change without notice. Dimensions in mm.

Right Angle

PJ-8P8C-1-03B5

(shown)

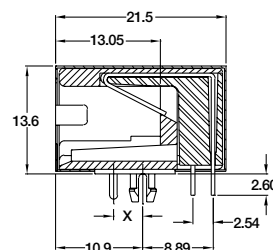
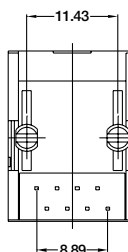
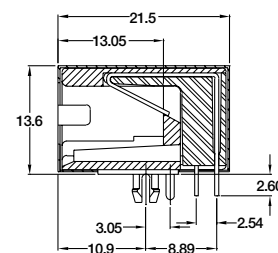
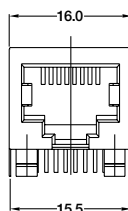
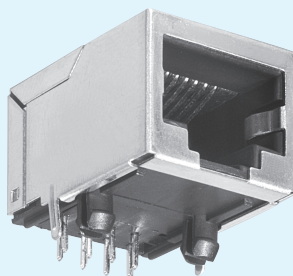


RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

NOTE: ALSO AVAILABLE IN 10P10C

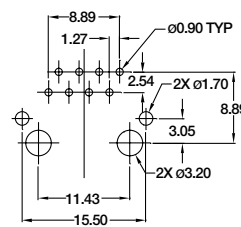
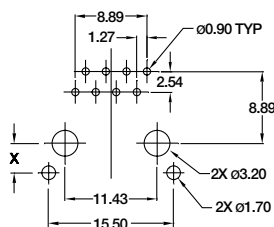
PJ-8P8C-1S-0304B5

(shown)



NOTE: AVAILABLE IN 10P10C

SHIELD OPTION 04
SHIELD OPTION 02 X = 4.57
SHIELD OPTION 03 X = 3.68



RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)
SHIELD OPTION 02, 03

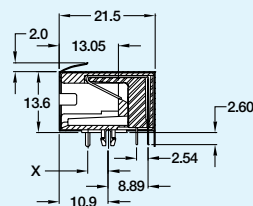
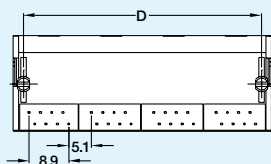
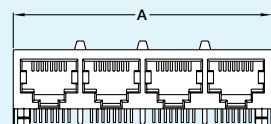
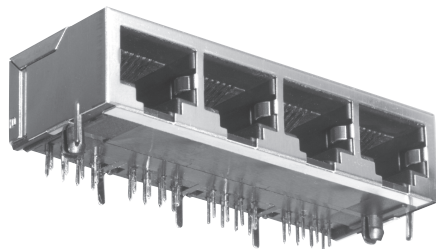
RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)
SHIELD OPTION 04

Specifications subject to change without notice. Dimensions in mm.

Right Angle

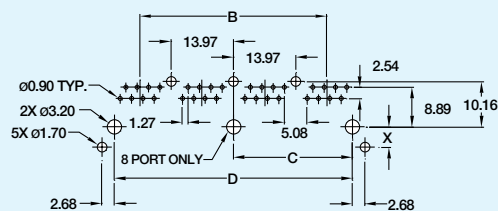
PJ-8P8C-4S-0321B5

(shown)



X = 3.68 OR 4.57
(SEE ORDERING CODE)

No. of Positions	Dimensions			
	A	B	C	D
2	31.24	13.97	---	25.40
4	59.18	41.91	---	53.34
6	87.12	69.85	---	81.28
8	115.06	97.79	54.61	109.22



RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

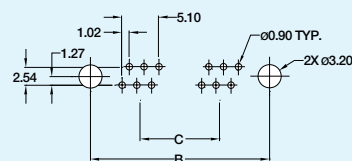
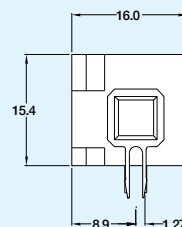
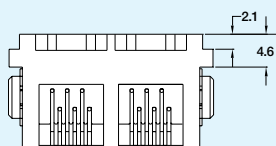
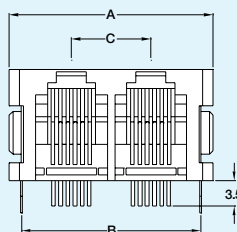
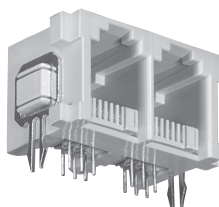
NOTES:

AVAILABLE IN 10P10C

SHIELD OPTIONS AVAILABLE - 20, 21, 22, 23
30, 31, 32, 33

PJ-6P6C-2-07G5

(shown)



RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

Dimension	No. of Ports						
	2	3	4	5	6	7	8
A	28.20	39.20	50.20	61.20	72.20	83.20	94.20
B	24.80	35.80	46.80	57.80	68.80	79.80	90.80
C	11.00	22.00	33.00	44.00	55.00	66.00	77.00

Specifications subject to change without notice. Dimensions in mm.

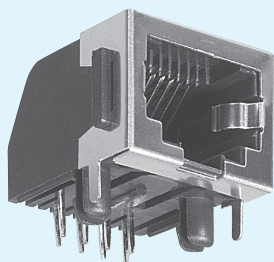


145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

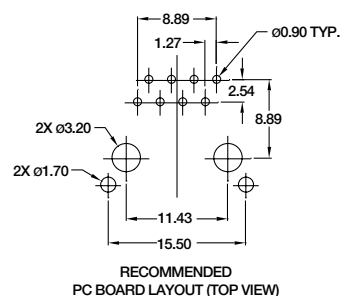
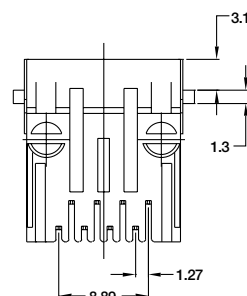
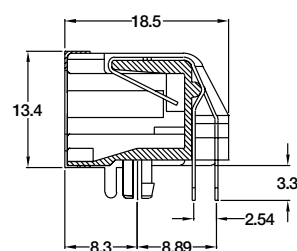
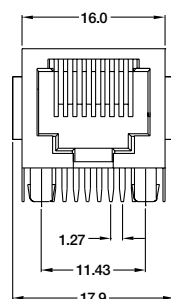
Right Angle

PJ-8P8C-1S-02FB5

(shown)

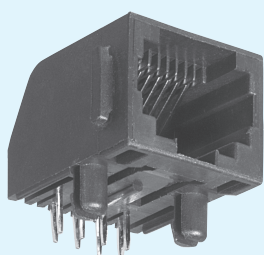


Also available in
6P4C & 6P6C.

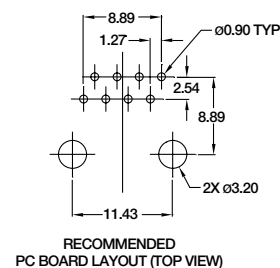
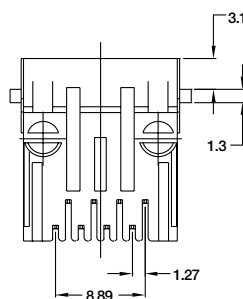
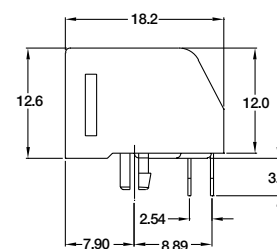
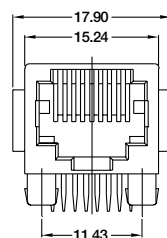


PJ-8P8C-1-02FB5

(shown)



Also available in
6P4C & 6P6C.

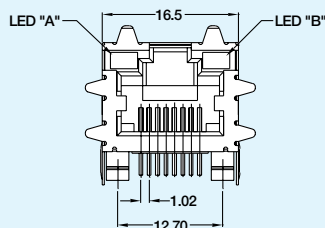
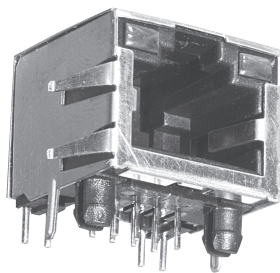


Specifications subject to change without notice. Dimensions in mm.

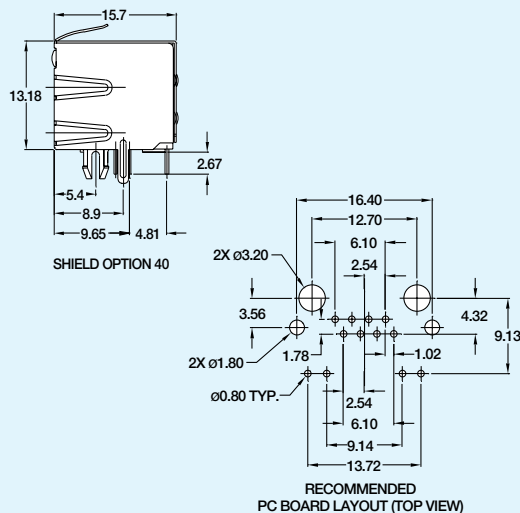
LED

PJ-8P8C-1S-6540B5

(shown)

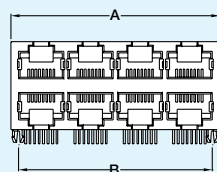
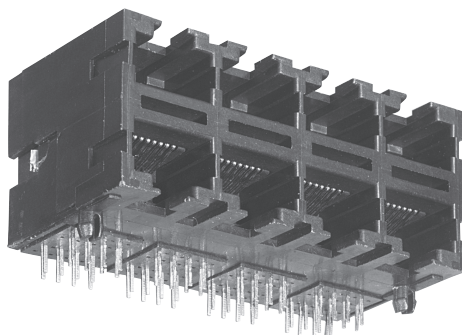


BODY STYLE	LED "A"	LED "B"
65	GREEN	GREEN
66	GREEN	YELLOW
67	YELLOW	GREEN

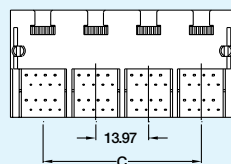


Stacked

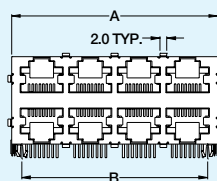
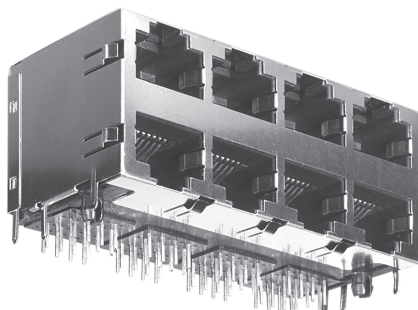
PJ-8P8C-8-60B5



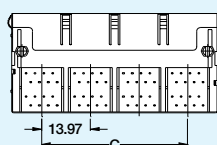
No. of Ports	Dimensions		
	A	B	C
4	30.49	25.40	13.97
8	58.43	53.34	41.91
12	86.37	81.28	69.85
16	114.31	109.22	97.79



PJ-8P8C-8S-6041B5



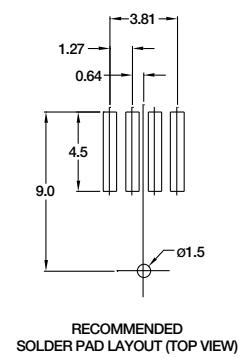
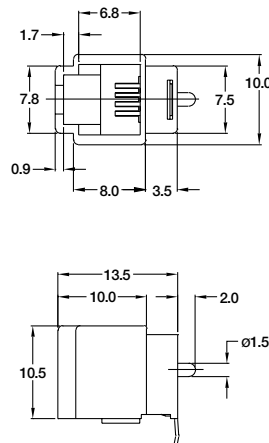
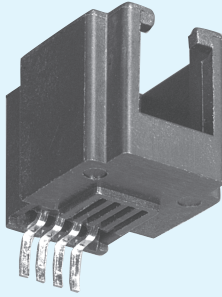
No. of Ports	Dimensions		
	A	B	C
4	31.24	25.40	13.97
8	59.18	53.34	41.91
12	87.12	81.28	69.85
16	115.06	109.22	97.79



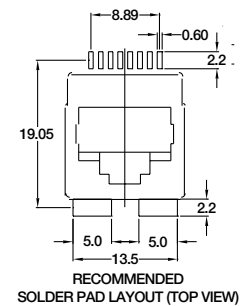
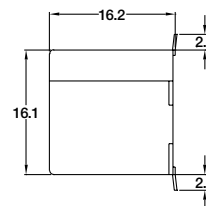
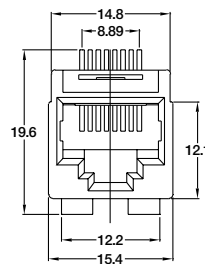
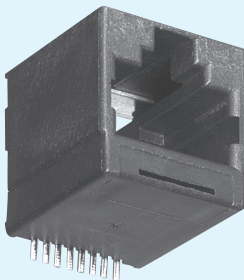
Specifications subject to change without notice. Dimensions in mm.

Surface Mount

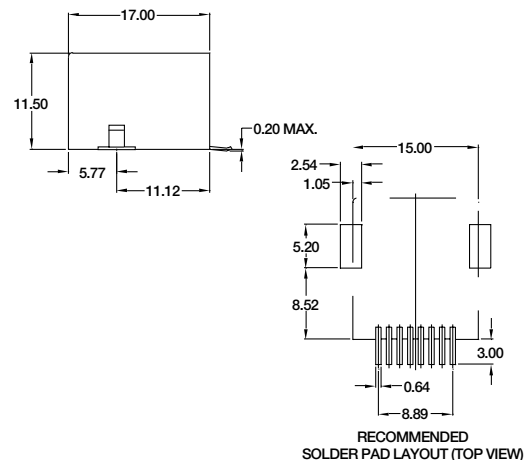
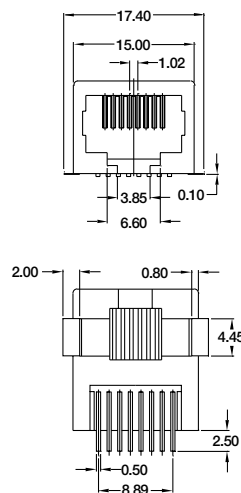
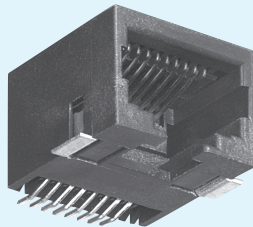
PJ-4P4C-1-32B5



PJ-8P8C-1-31B5



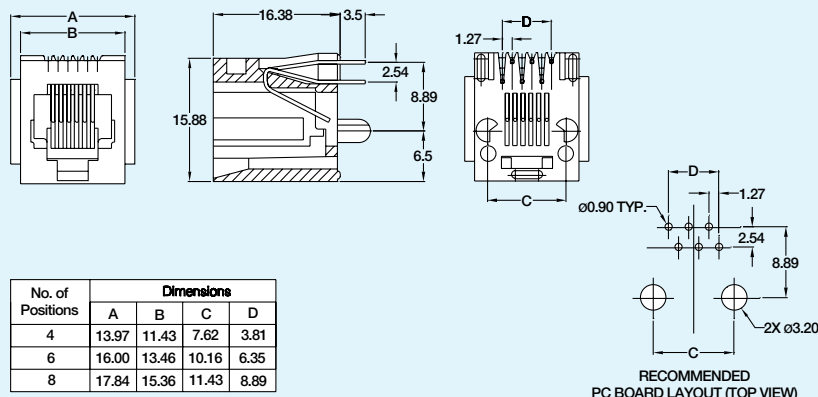
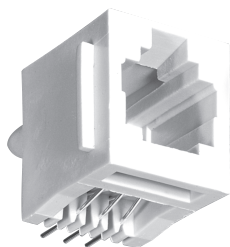
PJ-8P8C-1-30B5
(shown)



Specifications subject to change without notice. Dimensions in mm.

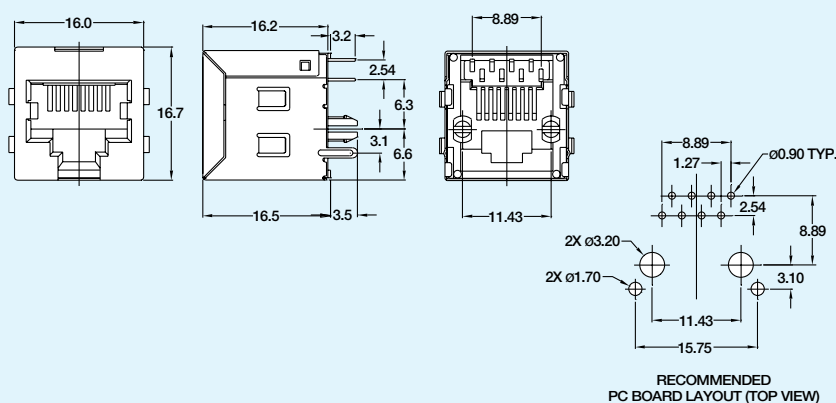
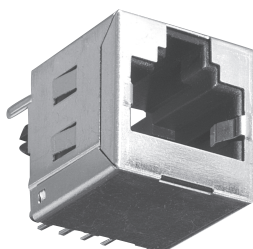
Vertical

PJ-8P8C-1-71FG5

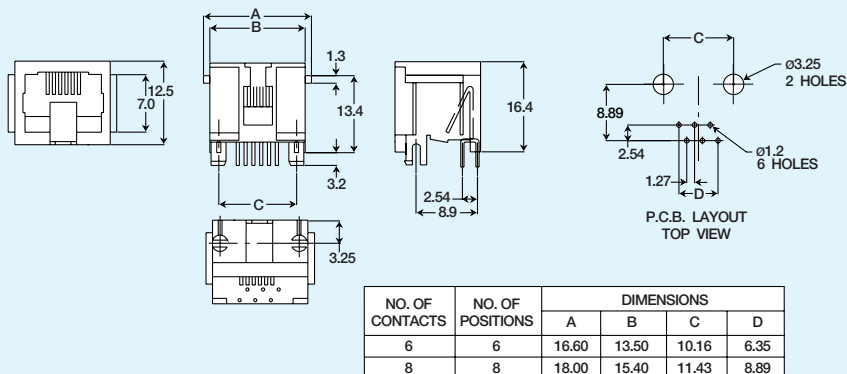
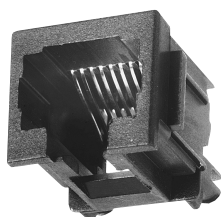


PJ-8P8C-1S-72B5

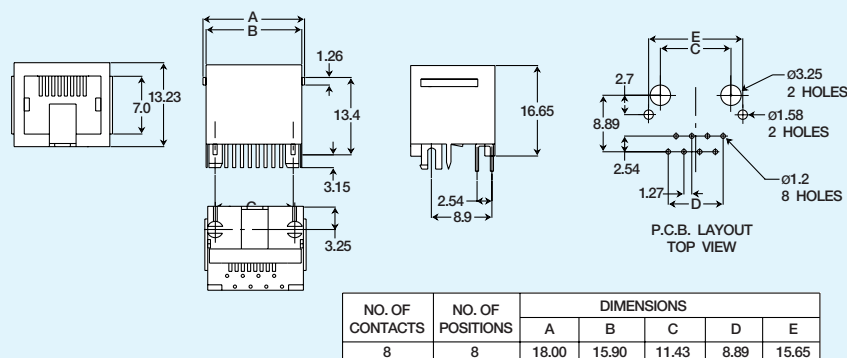
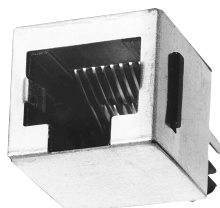
(shown)



PJ-8P8C-1-70FB5



PJ-8P8C-1S-70FB5

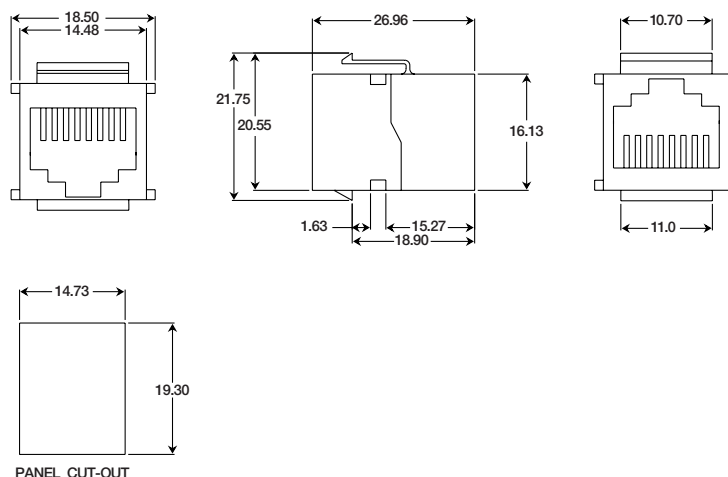
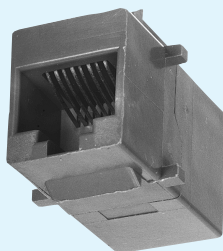


Specifications subject to change without notice. Dimensions in mm.

Coupler

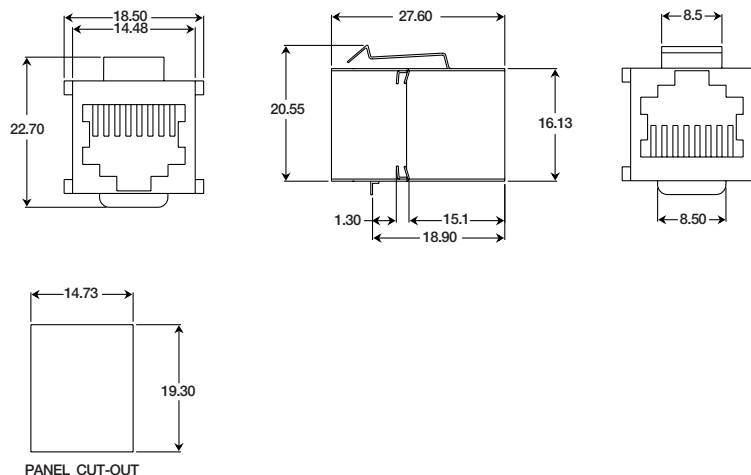
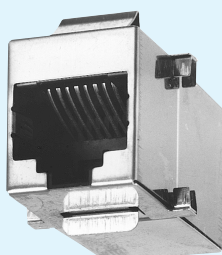
PJ-8P8C-1-90B5

(shown)



PJ-8P8C-1S-90B5

(shown)



Specifications subject to change without notice. Dimensions in mm.