

RIGHT ANGLE, P.C.B. D-SUB ORDERING CODE

PDI - 15

S

-

9

-

J

NUMBER OF PINS =09
=15
=25
=37

GENDER MALE =S
FEMALE =R

FOOT PRINT LENGTH 7.2mm = BLANK
5.34mm =5
9.4mm =9
13.84mm =13
9.4mm RECESSED BOARD LOCK =9L
13.84mm RECESSED BOARD LOCK =13L

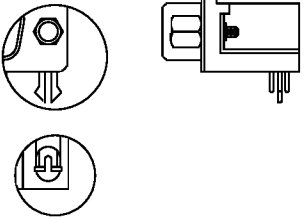
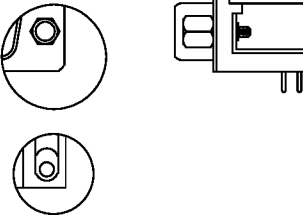
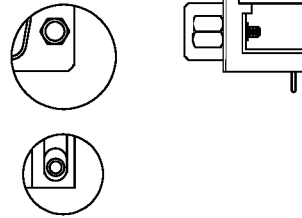
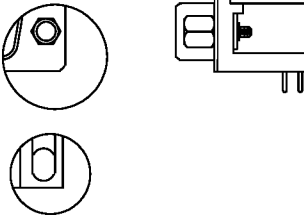
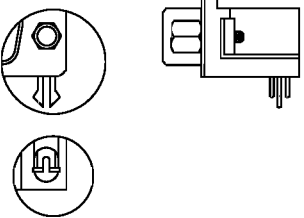
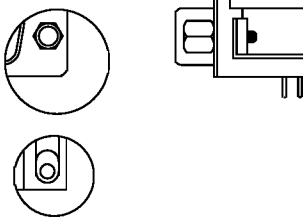
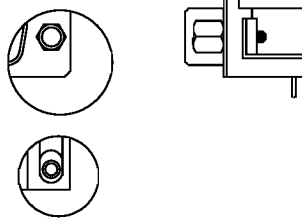
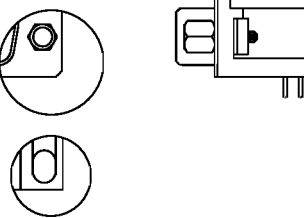
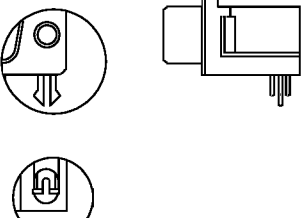
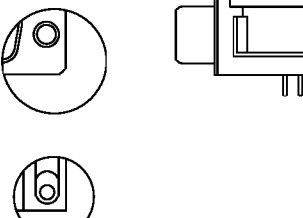
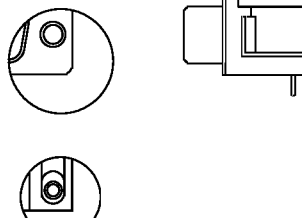
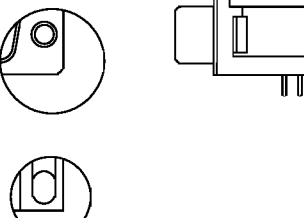
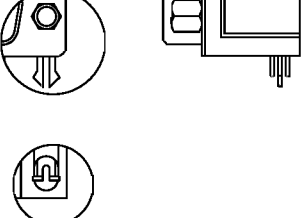
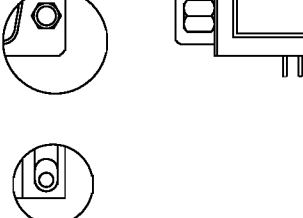
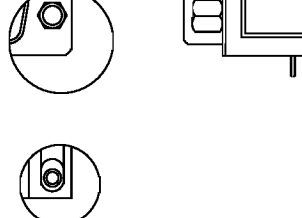
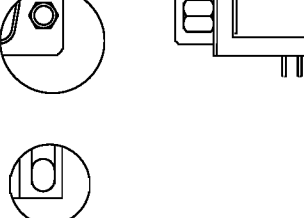




MATING FACE 4-40 THREADED RIVET = BLANK
JACK SCREW 4-40 THREAD =J
RIVETED HEX STANDOFF =K
4-40 THREADED RIVET & JACK SCREW (UNASSEMBLED) =P
4-40 THREADED RIVET & JACK SCREW =R

P.C.B. FACE BOARD LOCK = BLANK
HOLE =H
THREADED HOLE =T
NO GROUNDING STRAP =Z

GOLD PLATING (XX IS GOLD IN MICRO INCHES) =GXX
GOLD FLASH (STANDARD) = BLANK

BOARD MOUNT OPTIONS, RIGHT ANGLE D-SUB P.C.B. FACE OPTIONS

MATING FACE OPTIONS

	STANDARD BOARD LOCK	H OPTION HOLE	T OPTION THREADED HOLE	Z OPTION NO GROUNDING STRAP
J OPTION				
JACK SCREW 4-40 THREAD				
R OPTION ASSEMBLED				
4-40 THREADED RIVET AND JACK SCREW				
P OPTION UNASSEMBLED				
STANDARD				
4-40 THREADED RIVET				
K OPTION				
RIVETED HEX STANDOFF				

6

5

4

3

2

1

MATERIAL AND FINISH

Shell: Steel, Tin plated.

Pin contact: Brass, Gold plating over Nickel

Insulator: PBT & glass filled reinforced, UL

94V-0 rated.

ELECTRICAL SPECIFICATIONS:

Rated current: 3A

Rated voltage: 250VDC

Insulation resistance: 1000 Mohm min @
500VDCDielectric withstanding voltage: 1000VAC for
one minute.

Contact resistance: 15 mohm max.

ENVIRONMENTAL:

Operating temperature: -55°C to +105°C

NOTE: Replace first XX in part number with
number of positions.

POSITIONS	A	B	C
09	16.9	25.0	30.8
15	25.3	33.3	39.2
25	39.0	47.1	53.1
37	55.2	63.5	69.4

Top view of the connector showing dimensions: A, B, C, 2.77, 2.84, 8.3, 12.5, and 2X UNC #4-40.

Side view of the connector showing dimensions: 6.0, 3.2, 2.84, 8.1, and 9.52.

Bottom view of the connector showing dimensions: 18.4 and 8.1.

RECOMMENDED PCB LAYOUT (TOP VIEW) showing dimensions: B, 2.77, 1.385, 2XØ3.2, 2.84, 8.1, and PCB EDGE.

RECOMMENDED
PCB LAYOUT (TOP VIEW)

-XXX: SEE ORDERING CODE FOR OPTIONS

TOLERANCE
UNLESS OTHERWISE SPECIFIED

X	± 1
X.X	± 0.4
X.XX	± 0.13

Power Dynamics, Inc.

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

PART: RIGHT ANGLE, MALE D-SUB

P.C.B. MOUNT, 8.1mm FOOTPRINT

DRAWN BY	DF	DATE:	2/6/06
CHECK BY		DATE:	
APPR BY		DATE:	

PART #: PDI-XXS-XXX

SHEET
1 of 1SIZE: A
SCALE: NTSALL DIMENSIONS FOR REFERENCE ONLY
DIMENSIONS ARE IN MILLIMETERS

REV:

6

5

4

3

2

1

REV	DATE	CHANGE	CHKG	CHKD	APPR

6

5

4

3

2

1

MATERIAL AND FINISH

Shell: Steel, Nickel plated.

Pin contact: Brass, Gold plating over Nickel.

Insulator: PBT & glass fiber reinforced, UL 94V-0 rated.

ELECTRICAL SPECIFICATIONS:

Rated current: 5A

Insulation resistance: 1000 Mohm min @ 500VDC

Dielectric withstanding voltage: 1000VAC for one minute.

Contact resistance: 15 mohm max. 10 sec.

ENVIRONMENTAL:

Operating temperature: -55°C to +105°C

NOTE: Replace first XX in part number with number of positions.

POSITIONS	A	B	C
09	16.3	25.0	30.8
15	24.6	33.3	39.2
25	38.3	47.1	53.1
37	54.8	63.5	69.4

Top view of the connector showing dimensions A, B, C, 2.77, 2.84, 7.9, and 12.5. It also indicates 2X UNC #4-40 mounting holes.

Side view of the connector showing dimensions 6.0, 3.2, 2.84, 8.1, and 9.52.

Bottom view of the connector showing dimensions 18.4 and 8.1.

Recommended PCB layout (top view) showing dimensions B, 2.77, 1.385, 2XØ3.2, 2.84, 8.1, and PCB EDGE.

RECOMMENDED
PCB LAYOUT (TOP VIEW)

-XXX: SEE ORDERING CODE FOR OPTIONS

TOLERANCE
UNLESS OTHERWISE SPECIFIED

X	±	1
X.X	±	0.4
X.XX	±	0.13

Power Dynamics, Inc.

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

PART: RIGHT ANGLE, FEMALE D-SUB
P.C.B. MOUNT, 8.1mm FOOTPRINT

DRAWN BY	DF	DATE:	2/6/06
CHECK BY		DATE:	
APPR BY		DATE:	

PART #: PDI-XXR-XXX

SHEET
1 of 1SIZE: A
SCALE: NTS
ALL DIMENSIONS FOR REFERENCE ONLY
DIMENSIONS ARE IN MILLIMETERS

REV:

6

5

4

3

2

1

REVISIONS

CHANGE

REV DATE

CHNG CHECK APPR

MATERIAL AND FINISH

Shell: Steel, Nickel plated.
 Pin contact: Brass, Gold plating over Nickel.
 Insulator: PBT & glass fiber reinforced, UL 94V-0 rated.

ELECTRICAL SPECIFICATIONS:

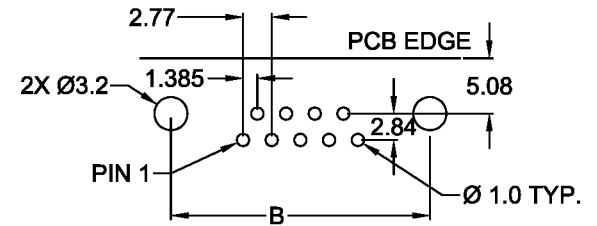
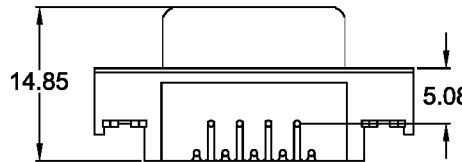
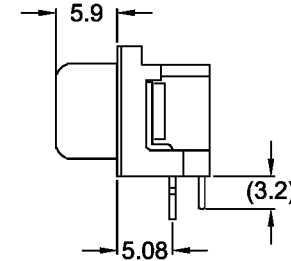
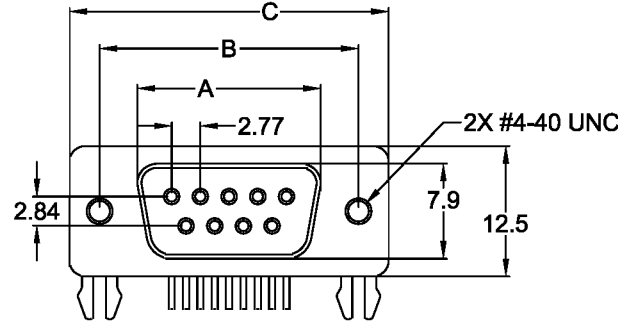
Rated current: 5A
 Insulation resistance: 1000 Mohm min @ 500VDC
 Dielectric withstanding voltage: 1000VAC for one minute.
 Contact resistance: 15 mohm max. 10 sec.

ENVIRONMENTAL:

Operating temperature: -55°C to +105°C

NOTE: Replace first XX in part number with number of positions.

POSITIONS	A	B	C
09	16.3	25.0	30.8
15	24.6	33.3	39.2
25	38.3	47.1	53.1
37	54.8	63.5	69.4



-XXX: SEE ORDERING CODE FOR OPTIONS

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: RIGHT ANGLE, FEMALE D-SUB
 P.C.B. MOUNT, 5.08mm FOOTPRINT

DRAWN BY	DF	DATE:	2/3/06
CHECK BY		DATE:	
APPR BY		DATE:	

PART #: PDI-XXR-5-XXX		SHEET 1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	
SCALE: NTS	REV:	

REV	DATE	CHANGE	CHK	CHK	APPR

MATERIAL AND FINISH

Shell: Steel, Tin plated.
 Pin contact: Brass, Gold plating over Nickel
 Insulator: PBT & glass filled reinforced, UL 94V-0 rated.

ELECTRICAL SPECIFICATIONS:

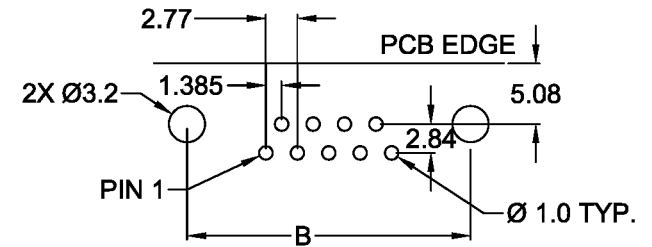
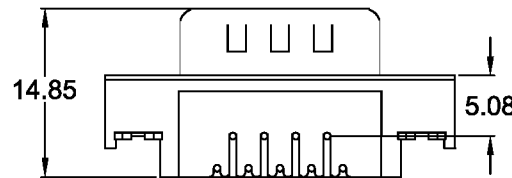
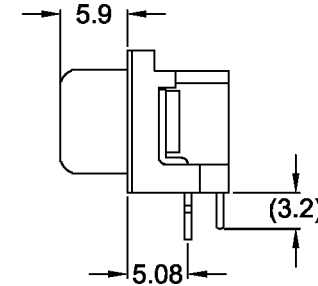
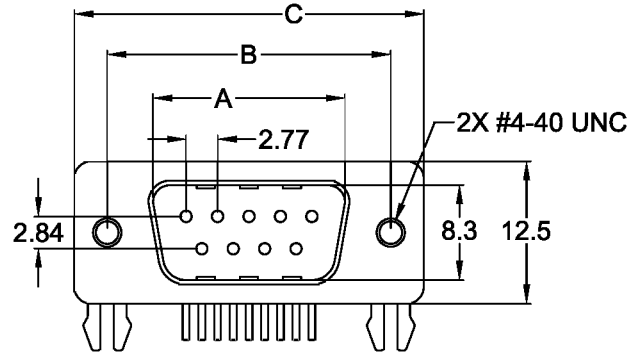
Rated current: 3A
 Rated voltage: 250VDC
 Insulation resistance: 1000 Mohm min @ 500VDC
 Dielectric withstanding voltage: 1000VAC for one minute.
 Contact resistance: 15 mohm max.

ENVIRONMENTAL:

Operating temperature: -55°C to +105°C

NOTE: Replace first XX in part number with number of positions.

POSITIONS	A	B	C
09	16.9	25.0	30.8
15	25.3	33.3	39.2
25	39.0	47.1	53.1
37	55.2	63.5	69.4



-XXX: SEE ORDERING CODE FOR OPTIONS

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: RIGHT ANGLE, MALE D-SUB
 P.C.B. MOUNT, 5.08mm FOOT PRINT

DRAWN BY DF	DATE: 2/6/06
CHECK BY	DATE:
APPR BY	DATE:

PART #: PDI-XXS-5-XXX	SHEET 1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS
SCALE: NTS	
REV:	

REVISIONS	CHNG	CHK	APPR
REV	DATE	CHANGE	

6

5

4

3

2

1

MATERIAL AND FINISH

Shell: Steel, Nickel plated.
Pin contact: Brass, Gold plating over Nickel.
Insulator: PBT & glass fiber reinforced, UL 94V-0 rated.

ELECTRICAL SPECIFICATIONS:

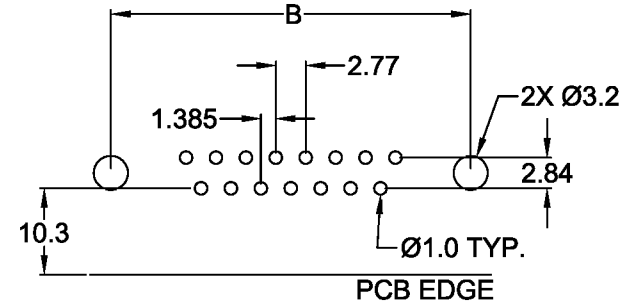
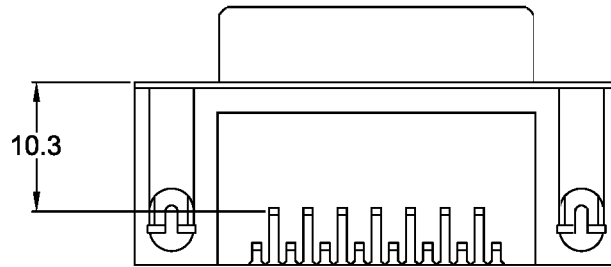
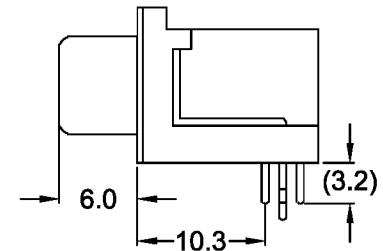
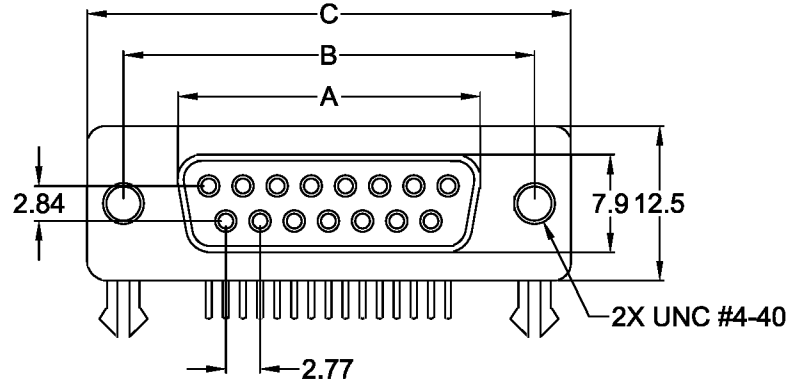
Rated current: 5A
Insulation resistance: 1000 Mohm min @ 500VDC
Dielectric withstanding voltage: 1000VAC for one minute.
Contact resistance: 15 mohm max. 10 sec.

ENVIRONMENTAL:

Operating temperature: -55°C to +105°C

NOTE: Replace first XX in part number with number of positions.

POSITION	A	B	C
09	16.3	25.0	30.8
15	24.6	33.3	39.2
25	38.3	47.1	53.1
37	54.8	63.5	69.4



RECOMMENDED PCB LAYOUT (TOP VIEW)

-XXX: SEE ORDERING CODE FOR OPTIONS

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: RIGHT ANGLE, FEMALE D-SUB
P.C.B. MOUNT, 10.3mm FOOTPRINT

DRAWN BY	DF	DATE:	2/6/06
CHECK BY		DATE:	
APPR BY		DATE:	

PART #: PDI-XXR-9-XXX		SHEET 1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	REV:
SCALE: NTS		

REV	DATE	CHANGE	CHK	CHK	APPR

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: PBT, UL 94V-0 rated.

Shell: Steel, Tin plated.

Pin contact: Brass, Gold plating over Nickel in contact area, Tin on tails.

POSITION	A	B	C
09	16.9	25.0	30.8
15	25.3	33.3	39.2
25	39.0	47.1	53.1
37	55.2	63.5	69.4

ELECTRICAL SPECIFICATIONS:

Rated current: 3A

Rated voltage: 250VDC

Insulation resistance: 3000 Mohm min @ 500VDC

Dielectric withstanding voltage: 1000VAC / 1 minute.

Contact resistance: 15 mohm

ENVIRONMENTAL:

Operating temperature: -55°C to +105°C

NOTE: Replace first XX in part number with the number of positions.

Top view of the connector showing dimensions: A (inner width), B (middle width), C (total width), 2.84 (pin offset), 12.5 (height), 8.3 (height), 2.77 (pin pitch), and 2X UNC #4-40 (mounting holes).

Side view of the connector showing dimensions: 6.0 (width), 10.3 (height), and (3.2) (height).

Bottom view of the connector showing a dimension of 10.3 (width).

RECOMMENDED PCB LAYOUT (TOP VIEW) showing dimensions: B (width), 1.385 (pin offset), 2.77 (pin pitch), 2.84 (pin offset), 10.3 (height), Ø1.0 TYP. (hole diameter), and 2X Ø3.2 (mounting holes).

-XXX: SEE ORDERING CODE FOR OPTIONS

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: RIGHT ANGLE, MALE D-SUB
P.C.B. MOUNT, 10.3mm FOOTPRINT

DRAWN BY DF DATE: 2/8/06

CHECK BY DATE:

APPR BY DATE:

PART #: PDI-XXS-9-XXX SHEET 1 of 1

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

D

C

B

A

6

5

4

3

2

1

REVISIONS

REV	DATE	CHANGE	CHK	CHK	APPR

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: PBT, UL 94V-0 rated.

Shell: Steel, Tin plated.

Pin contact: Brass, Gold Plating in contact area, Tin on tails over Nickel.

POSITION	A	B	C
09	16.3	25.0	30.8
15	24.6	33.3	39.2
25	38.3	47.1	53.1
37	54.8	63.5	69.4

ELECTRICAL SPECIFICATIONS:

Rated current: 3A max.

Rated voltage: 250VAC max.

Insulation resistance: 3000 Mohm min. @ 500VDC

Dielectric withstanding voltage: 1000VAC / 1 minute.

Contact resistance: 15 mohm max.

ENVIRONMENTAL:

Operating temperature: -55°C to +105°C

NOTES: Replace first XX in P/N with number of positions.

**RECOMMENDED
PCB LAYOUT (TOP VIEW)**

-XXX: SEE ORDERING CODE FOR OPTIONS

TOLERANCE

UNLESS OTHERWISE SPECIFIED

X	±	1
X.X	±	0.4
X.XX	±	0.20

DRAWN BY	DF	DATE:	2/8/06
CHECK BY		DATE:	
APPR BY		DATE:	

Power Dynamics, Inc.

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

PART: RIGHT ANGLE, FEMALE D-SUB
PCB MOUNT, 14.96mm FOOTPRINT

PART #: PDI-XXR-13-XXX

SHEET
1 of 1SIZE: A
SCALE: NTS
ALL DIMENSIONS FOR REFERENCE ONLY
DIMENSIONS ARE IN MILLIMETERS

REV:

6

5

4

3

2

1

REV	DATE	CHANGE	CHK	CHK	APPR

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: PBT, UL 94V-0 rated.

Shell: Steel, Tin plated.

Pin contact: Brass, Gold Plating in contact area, Tin on tails over Nickel.

ELECTRICAL SPECIFICATIONS:

Rated current: 3A max.

Rated voltage: 250VAC max.

Insulation resistance: 3000 Mohm min. @ 500VDC

Dielectric withstanding voltage: 1000VAC / 1 minute.

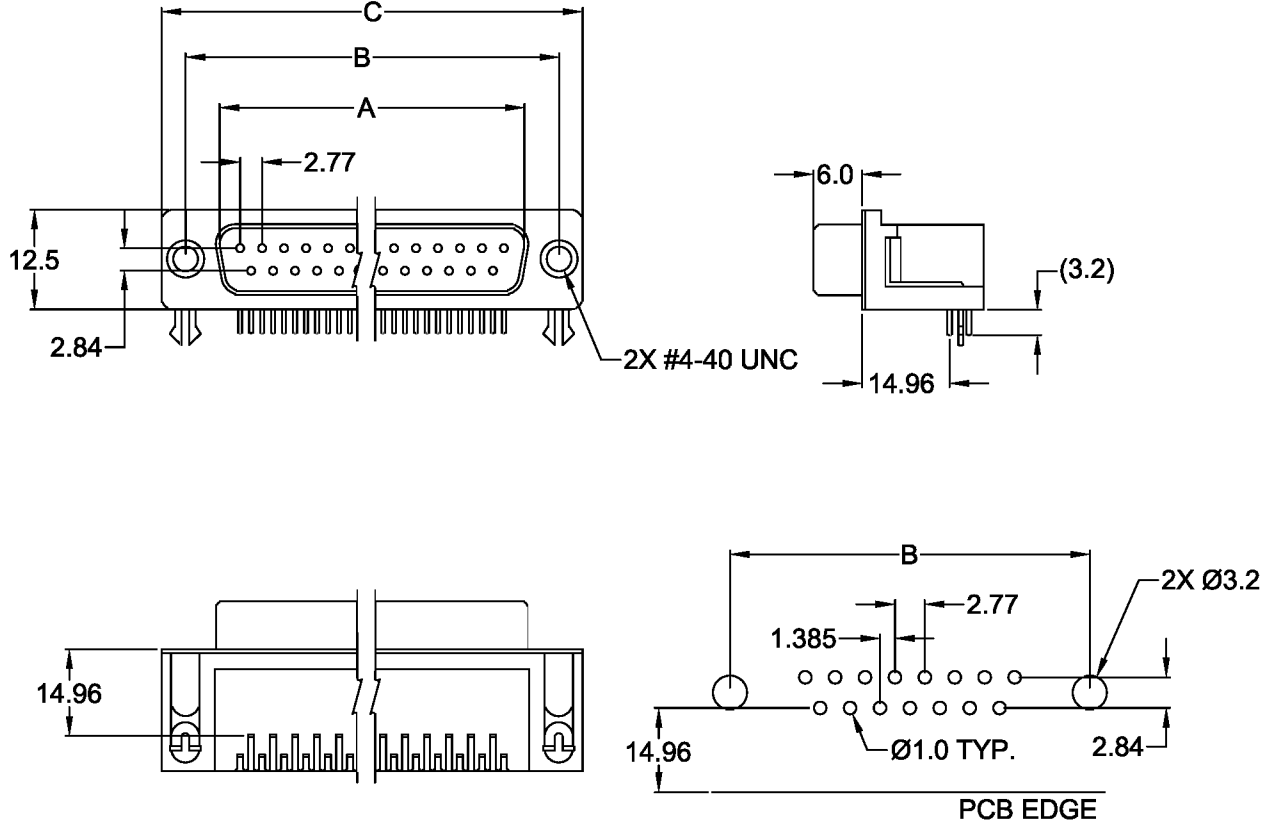
Contact resistance: 15 mohm max.

ENVIRONMENTAL:

Operating temperature: -55°C to +105°C

NOTES: Replace first XX in P/N with number of positions.

POSITION	A	B	C
09	16.9	25.0	30.8
15	25.3	33.3	39.2
25	39.0	47.1	53.1
37	55.2	63.5	69.4



RECOMMENDED
PCB LAYOUT (TOP VIEW)

-XXX: SEE ORDERING CODE FOR OPTIONS

TOLERANCE UNLESS OTHERWISE SPECIFIED	
X	± 1
X.X	± 0.4
X.XX	± 0.20
DRAWN BY	DF
CHECK BY	DATE: 2/8/06
APPR BY	DATE:

Power Dynamics, Inc.
 Phone: 973 560-0019 Whippany, New Jersey Fax: 973 560-0076

PART: RIGHT ANGLE, MALE D-SUB
 PCB MOUNT, 14.96mm FOOTPRINT

PART #: **PDI-XXS-13-XXX** SHEET 1 of 1

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

REVISIONS	CHANGE	CHK	CHK	APPR
REV	DATE			

6

5

4

3

2

1