

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black,
UL-94V-HB rated

PDSN-10A (wire leads): PVC, 26 AWG

Contact & terminals:

PDSN-10B: Brass, Nickel plated

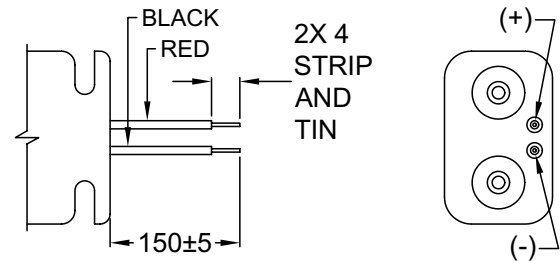
PDSN-10C: Brass, Nickel plated

PDSN-10D: Steel, Nickel plated

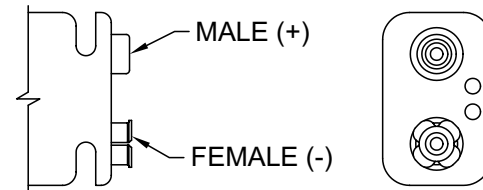
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

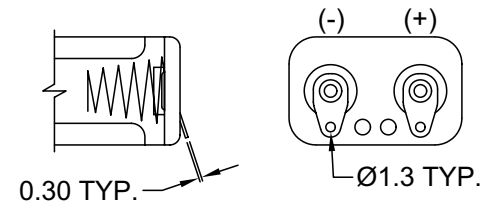
Operating temperature: -5°C to +83°C



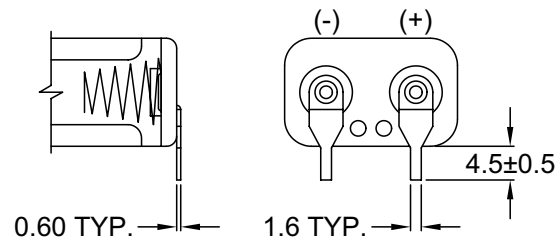
PDSN-10A WIRE LEADS



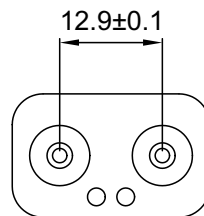
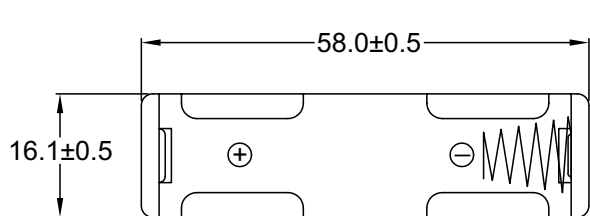
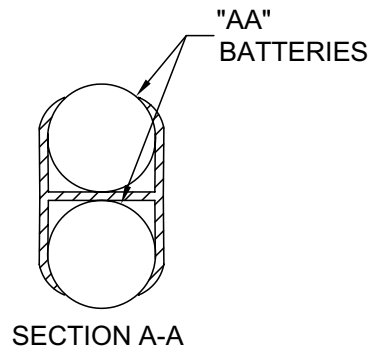
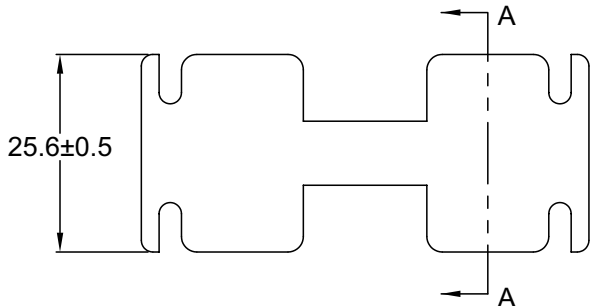
PDSN-10B SNAP TERMINAL



PDSN-10C SOLDER LUGS



PDSN-10D PCB PINS



REV	DATE	CHANGE	CHNG CHECK APPR			
			PB	TD	JJ	PB
A	12/99	UPDATED FORMAT & SPECS.				
B	03/25/02	REVISED / UPDATED				

TOLERANCE UNLESS OTHERWISE SPECIFIED	
X	± 1
X.X	± 0.4
X.XX	± 0.20

DRAWN BY	TM	DATE:	3/21/94
CHECK BY	JD	DATE:	3/22/94
APPR BY	SS	DATE:	3/22/94

Power Dynamics, Inc.

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

PART: 2 CELL TYPE "AA" BATTERY HOLDER

PART #:		PDSN-10X	SHEET 1 of 1
SIZE:	A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	
SCALE:	NTS	REV: B	

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated

PDSN-11A (wire leads): PVC, 26 AWG

Contact & terminals:

PDSN-11B: Brass, Nickel plated

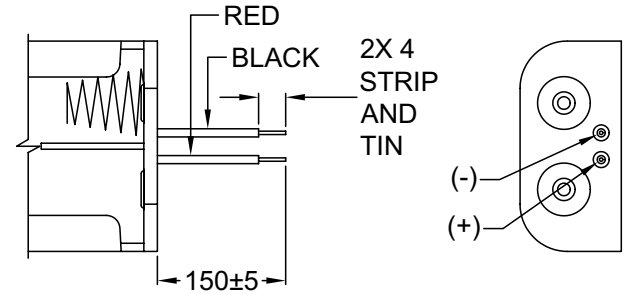
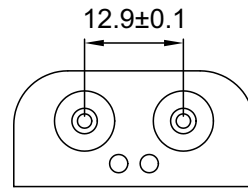
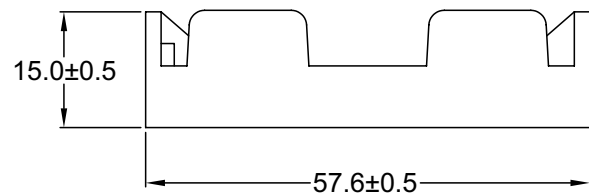
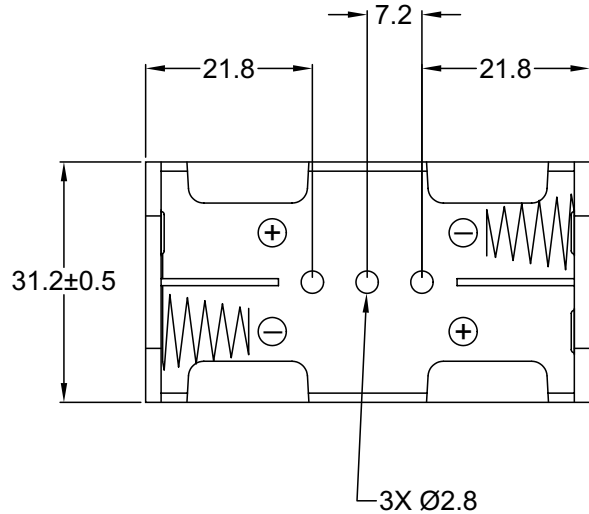
PDSN-11C: Brass, Nickel plated

PDSN-11D: Steel, Nickel plated

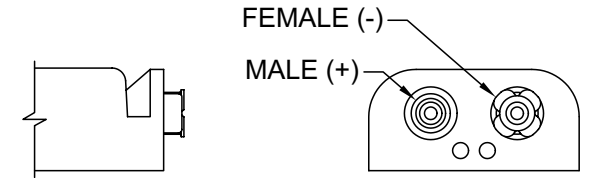
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

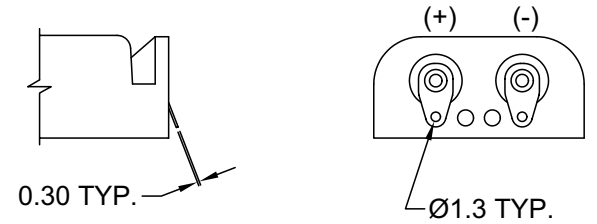
Operating temperature: -5°C to +83°C



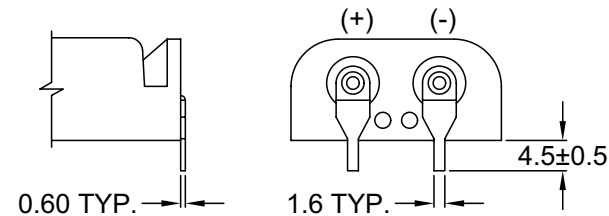
PDSN-11A WIRE LEADS



PDSN-11B SNAP TERMINAL



PDSN-11C SOLDER LUGS



PDSN-11D PCB PINS

REV	DATE	CHANGE		CHNG CHECK APPR	
		UPDATED FORMAT & SPECS	REVISED / UPDATED	PB	TD
A	12/99				JJ
B	03/27/02			QQ	PB

TOLERANCE UNLESS OTHERWISE SPECIFIED		
X	±	1
X.X	±	0.4
X.XX	±	0.20

DRAWN BY	TM	DATE:	3/21/94
CHECK BY	JD	DATE:	3/22/94
APPR BY	SS	DATE:	3/22/94

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

PART: 2 CELL TYPE "AA" BATTERY HOLDER
 SIDE BY SIDE

PDSN-11X

SIZE: A
 SCALE: NTS

ALL DIMENSIONS FOR REFERENCE ONLY
 DIMENSIONS ARE IN MILLIMETERS

SHEET 1 of 1
 REV: B

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: impact resistance Polypropylene, UL 94V-HB rated, color black

Contact & terminals:

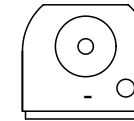
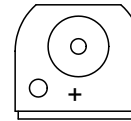
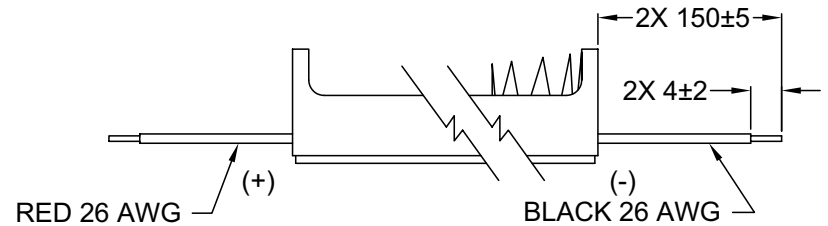
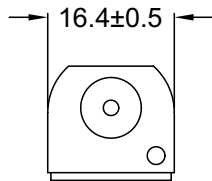
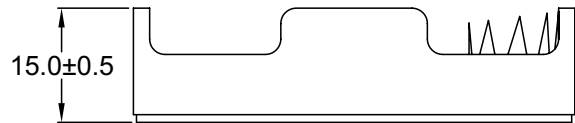
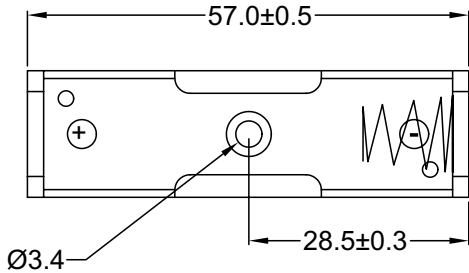
PDSN-12C: Brass, Nickel plated

PDSN-12D: Brass, Nickel plated

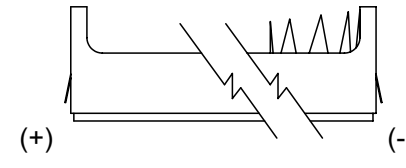
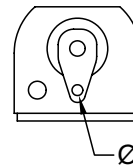
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

MECHANICAL SPECIFICATIONS:

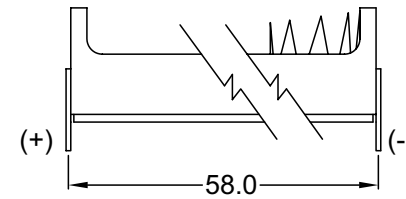
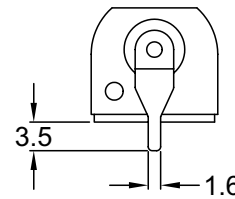
Operating temperature: -5°C to +83°C



PDSN-12A WIRE LEADS



PDSN-12C SOLDER LUGS



PDSN-12D P.C. PINS

REVISIONS	CHNG	CHK	APPR
	DATE	DATE	DATE
	BY	BY	BY
	REV	DATE	BY
A	9/10/01	PB	

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: 'AA' BATTERY HOLDER, 1 CELL

DRAWN BY	TM	DATE:	03/21/94
CHECK BY	PB	DATE:	09/10/01
APPR BY	TD	DATE:	09/11/01

PART #: PDSN-12X		SHEET 1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	REV: A
SCALE: NTS		

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated

PDSN-13A (wire leads): PVC, 26 AWG

Contact & terminals:

PDSN-13B: Brass, Nickel plated

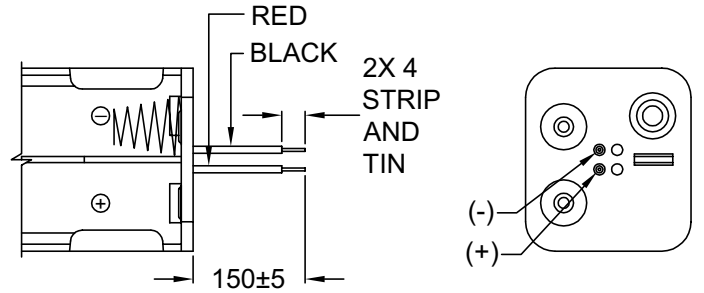
PDSN-13C: Brass, Nickel plated

PDSN-13D: Steel, Nickel plated

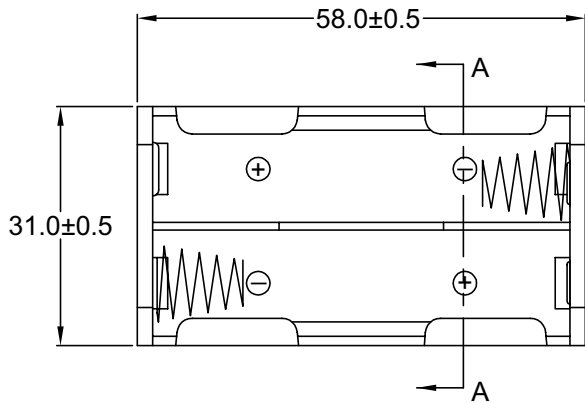
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

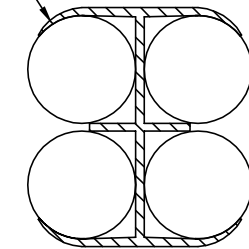
Operating temperature: -5°C to +83°C



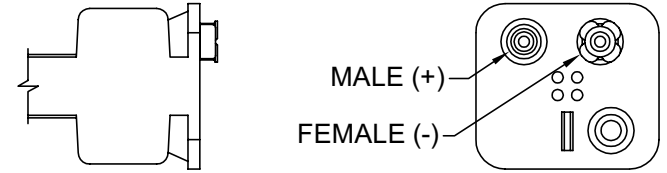
PDSN-13A WIRE LEADS



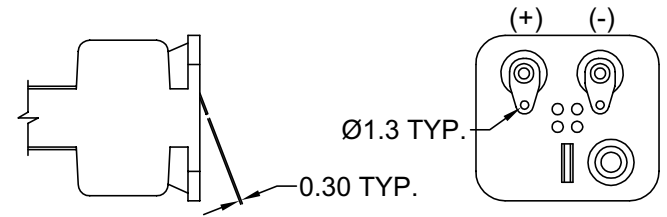
4X "AA" BATTERIES



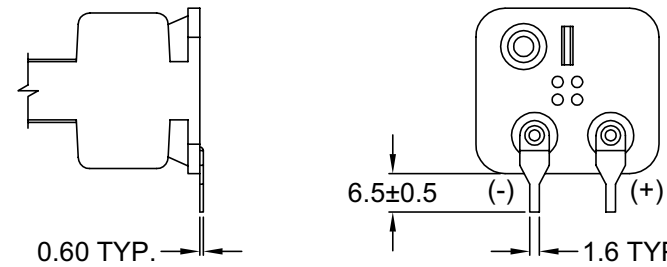
SECTION A-A



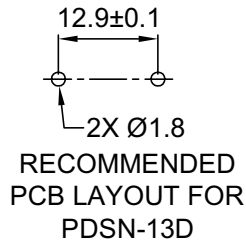
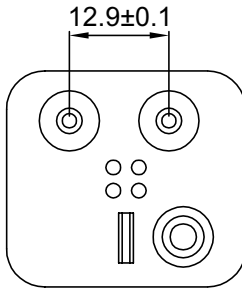
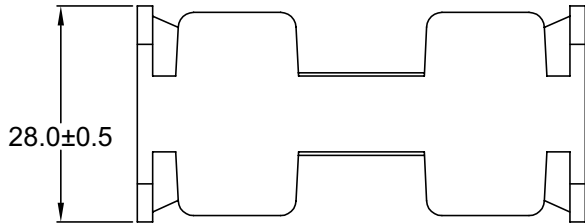
PDSN-13B SNAP TERMINAL



PDSN-13C SOLDER LUGS



PDSN-13D PCB PINS



RECOMMENDED PCB LAYOUT FOR PDSN-13D

REVISIONS	CHNG	CHECK	APPR
	REV	DATE	
	CHANGE		

TOLERANCE UNLESS OTHERWISE SPECIFIED		
X	±	1
X.X	±	0.4
X.XX	±	0.20
DRAWN BY	GQ	DATE: 04/03/02
CHECK BY	TD	DATE: 04/24/02
APPR BY	PB	DATE: 04/24/02

Power Dynamics, Inc.

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

PART: 4 CELL TYPE "AA" BATTERY HOLDER

PDSN-13X		SHEET 1 of 1
PART #:	SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS
SCALE: NTS	REV:	

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated

PDSN-18A (wire leads): PVC, 26 AWG

Contact & terminals:

PDSN-18B: Brass, Nickel plated

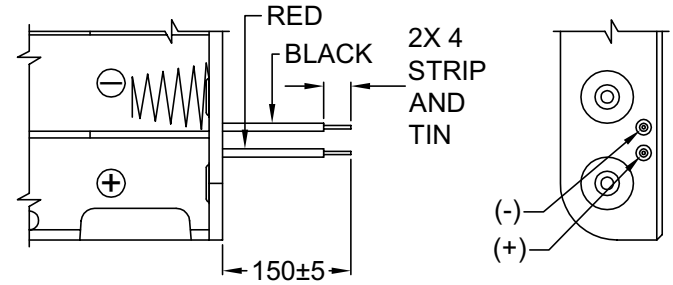
PDSN-18C: Brass, Nickel plated

PDSN-18D: Steel, Nickel plated

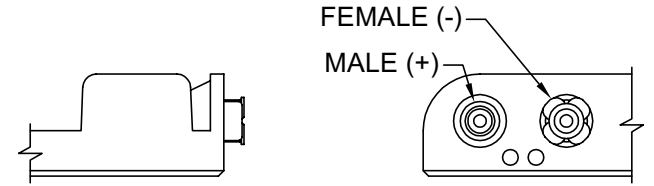
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

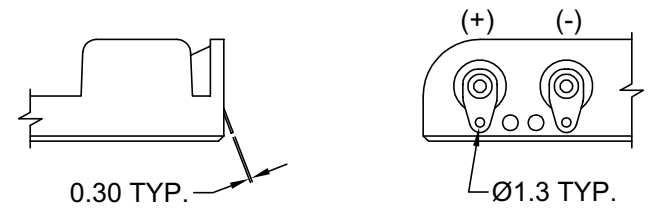
Operating temperature: -5°C to +83°C



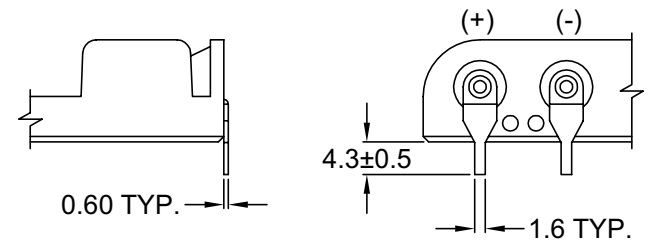
PDSN-18A WIRE LEADS



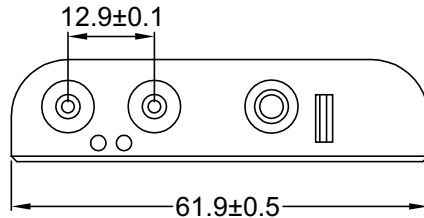
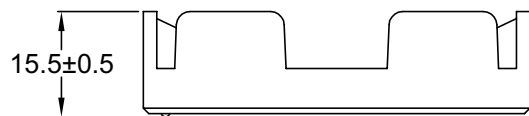
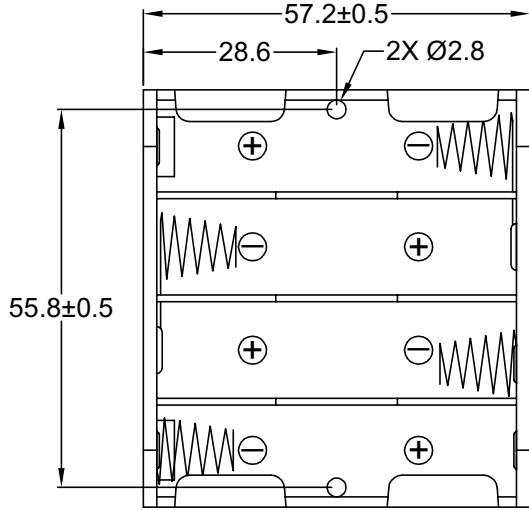
PDSN-18B SNAP TERMINAL



PDSN-18C SOLDER LUGS



PDSN-18D PCB PINS



REV	DATE	CHANGE	CHNG		CHK		APPR	
			TM	TD	TM	TD	SS	PB
A	3/25	MATERIAL CHANGE			KLH			
B	1/11/99	ADD TOLERANCE			TD		JJ	
C	4/12/00	REVISED & UPDATE			TD		JJ	
D	04/02/02	REVISED / UPDATED			GQ		TD	

TOLERANCE UNLESS OTHERWISE SPECIFIED		
X	±	1
X.X	±	0.4
X.XX	±	0.20

DRAWN BY	TM	DATE:	3/21/94
CHECK BY	TD	DATE:	01/18/99
APPR BY	SS	DATE:	01/18/99

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

PART: 4 CELL TYPE "AA" BATTERY HOLDER
 SIDE BY SIDE

PDSN-18X

SIZE: A
 SCALE: NTS

ALL DIMENSIONS FOR REFERENCE ONLY
 DIMENSIONS ARE IN MILLIMETERS

SHEET 1 of 1
 REV: D

6

5

4

3

2

1

6

5

4

3

2

1

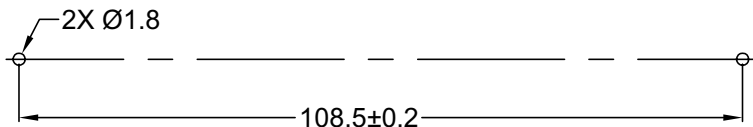
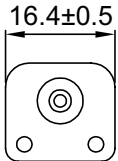
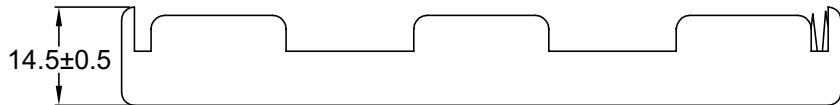
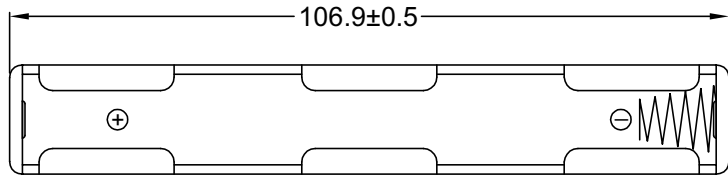
MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated
 PDSN-19A (wire leads): PVC, 26 AWG
 Contact & terminals:
 PDSN-19C: Brass, Nickel plated
 PDSN-19D: Steel, Nickel plated

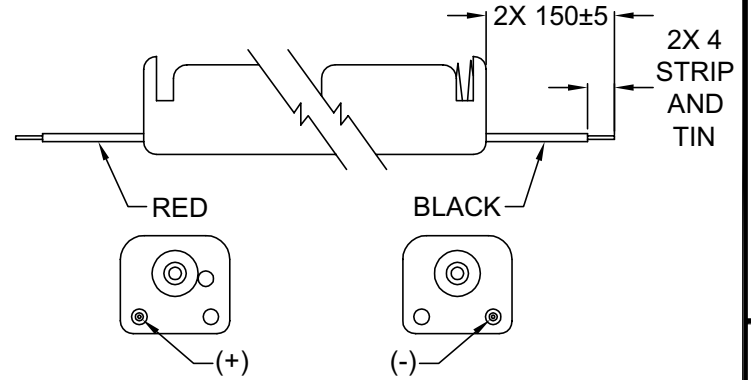
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

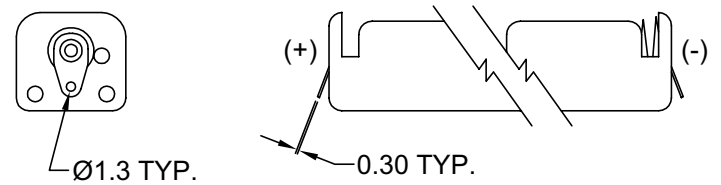
Operating temperature: -5°C to +83°C



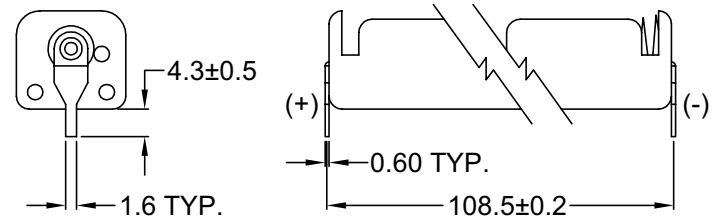
RECOMMENDED
PCB LAYOUT FOR
PDSN-19D



PDSN-19A WIRE LEADS



PDSN-19C SOLDER LUGS



PDSN-19D PCB PINS

REVISIONS	CHNG	CHK	APPR
	CHANGE		
	REV	DATE	

TOLERANCE UNLESS OTHERWISE SPECIFIED		
X	±	1
X.X	±	0.4
X.XX	±	0.20
DRAWN BY	GQ	DATE: 04/03/02
CHECK BY	TD	DATE: 04/19/02
APPR BY	PB	DATE: 04/19/02

Power Dynamics, Inc.		
Phone: 973 560-0019 Whippany, New Jersey Fax: 973 560-0076		
PART: 2 CELL TYPE "AA" BATTERY HOLDER		
PDSN-19X		SHEET 1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	REV:
SCALE: NTS		

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated

PDSN-21A (wire leads): PVC, 26 AWG

Contact & terminals:

PDSN-21B: Brass, Nickel plated

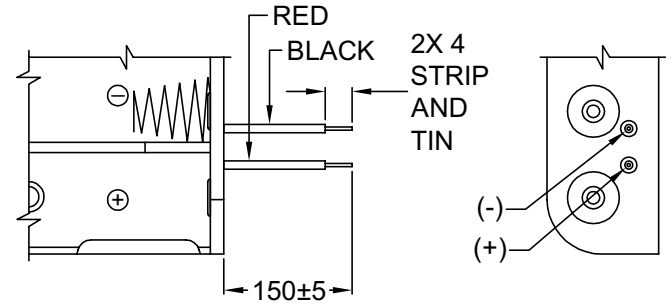
PDSN-21C: Brass, Nickel plated

PDSN-21D: Steel, Nickel plated

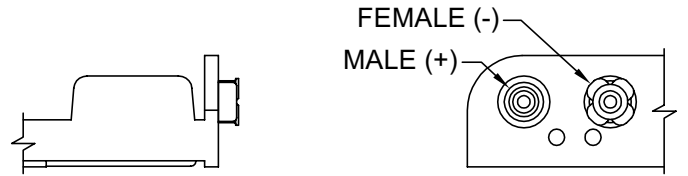
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

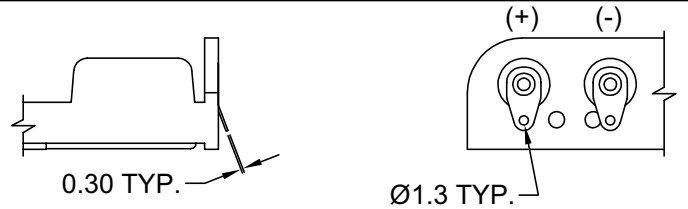
Operating temperature: -5°C to +83°C



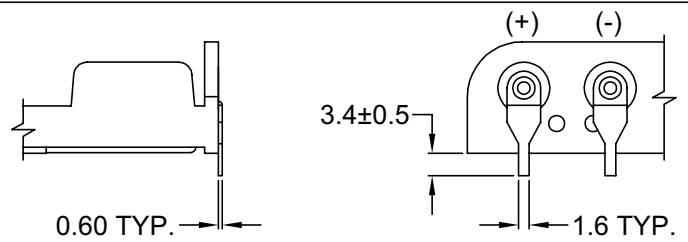
PDSN-21A WIRE LEADS



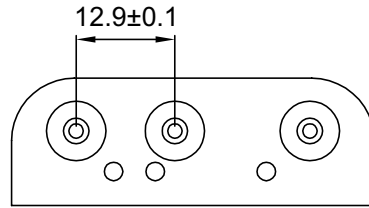
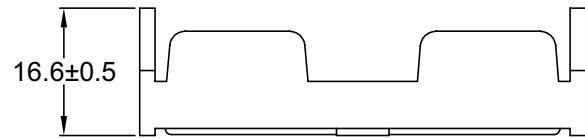
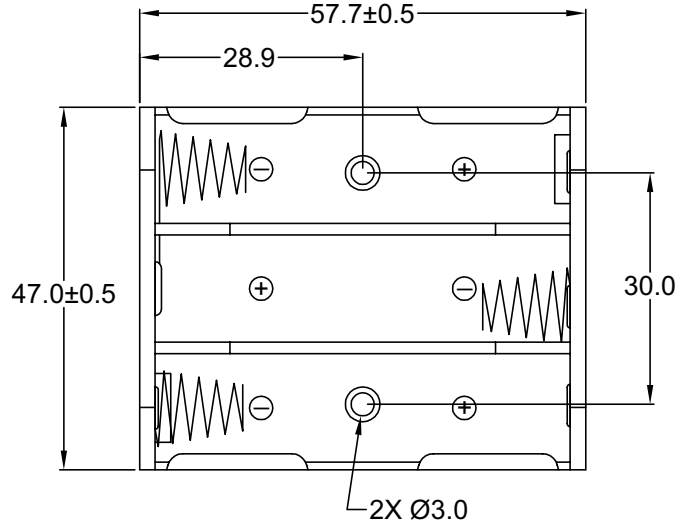
PDSN-21B SNAP TERMINAL



PDSN-21C SOLDER LUGS



PDSN-21D PCB PINS



12.9±0.1
 2X Ø1.8
 RECOMMENDED
 PCB LAYOUT FOR
 PDSN-21D

REV	DATE	CHANGE	CHNG		CHK		APPR		
			SLS	TD	SLS	TD	LH	SS	TD
A	6/98	DIM 30.0 WAS 27.0	SLS	TD	JJ	JJ	SS	TD	PB
B	10/99	UPDATE DWG & ADD TOL.	TD	PB	JJ	JJ	SS	TD	PB
C	7/10/00	UPDATED DRAWING	PB	GQ	JJ	JJ	SS	TD	PB
D	04/05/02	REVISED / UPDATED	GQ		JJ	JJ	SS	TD	PB

TOLERANCE UNLESS OTHERWISE SPECIFIED	
X	± 1
X.X	± 0.4
X.XX	± 0.20

DRAWN BY	TM	DATE:	3/21/94
CHECK BY	JJ	DATE:	10/14/99
APPR BY	SS	DATE:	10/14/99

Power Dynamics, Inc.

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

PART: 3 CELL TYPE "AA" BATTERY HOLDER
SIDE BY SIDE

PART #:		PDSN-21X	SHEET 1 of 1
SIZE:	A		
SCALE:	NTS	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	REV: D

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated

PDSN-22A (wire leads): PVC, 26 AWG

Contact & terminals:

PDSN-22B: Brass, Nickel plated

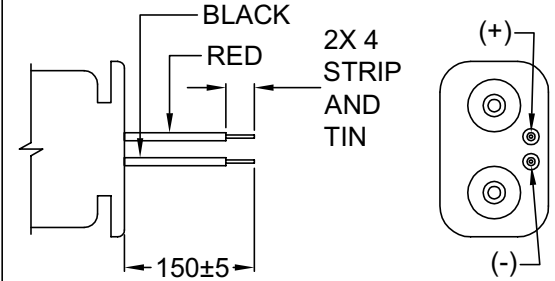
PDSN-22C: Brass, Nickel plated

PDSN-22D: Steel, Nickel plated

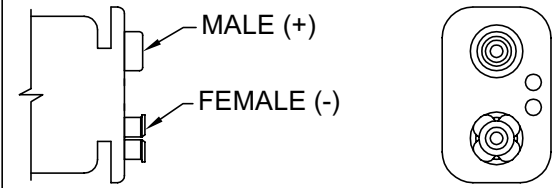
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

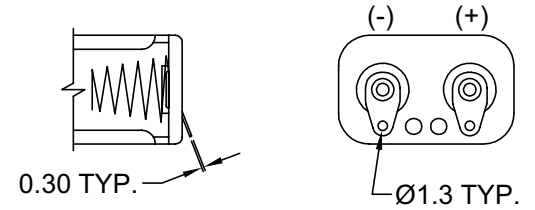
Operating temperature: -5°C to +83°C



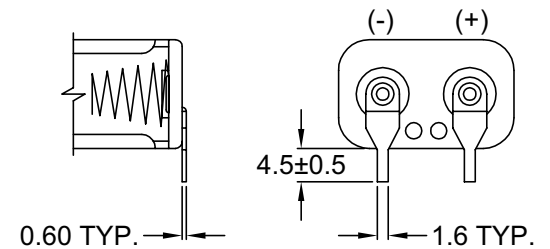
PDSN-22A WIRE LEADS



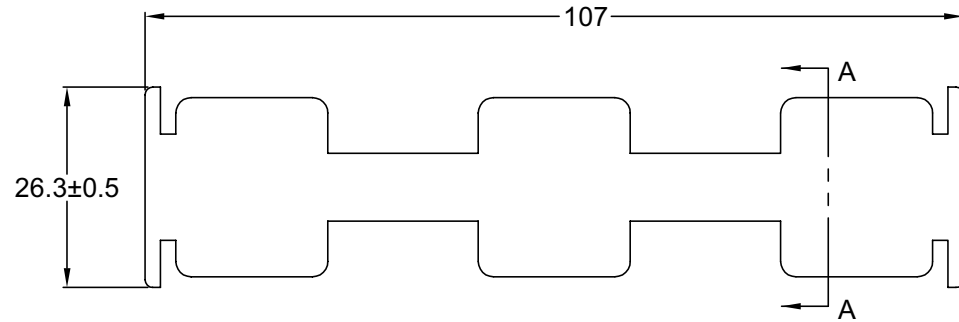
PDSN-22B SNAP TERMINAL



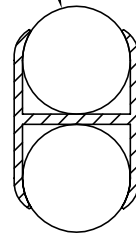
PDSN-22C SOLDER LUGS



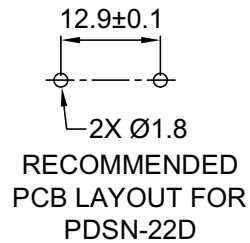
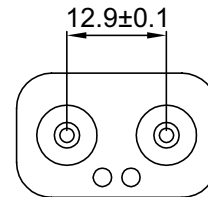
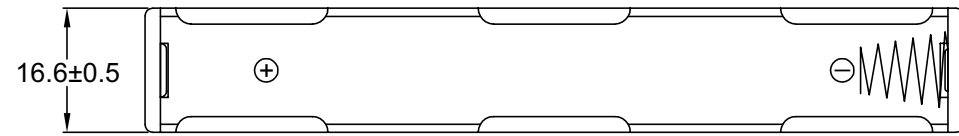
PDSN-22D PCB PINS



2X "AA" BATTERIES



SECTION A-A



RECOMMENDED PCB LAYOUT FOR PDSN-22D

REVISIONS	CHNG	CHECK	APPR
	CHANGE		
	REV	DATE	

TOLERANCE UNLESS OTHERWISE SPECIFIED		
X	±	1
X.X	±	0.4
X.XX	±	0.20
DRAWN BY	GQ	DATE: 04/05/02
CHECK BY	TD	DATE: 04/24/02
APPR BY	PB	DATE: 04/24/02

Power Dynamics, Inc.

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

PART: 4 CELL TYPE "AA" BATTERY HOLDER

PDSN-22X		SHEET 1 of 1
PART #:	SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS
SCALE: NTS	REV:	

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated

PDSN-23A (wire leads): PVC, 26 AWG

Contact & terminals:

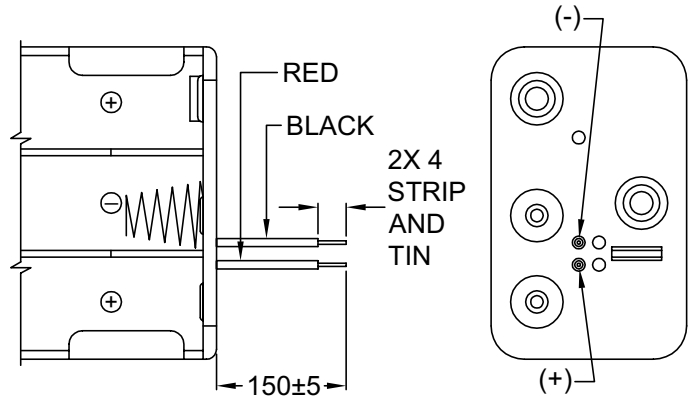
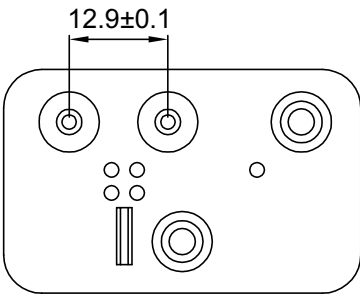
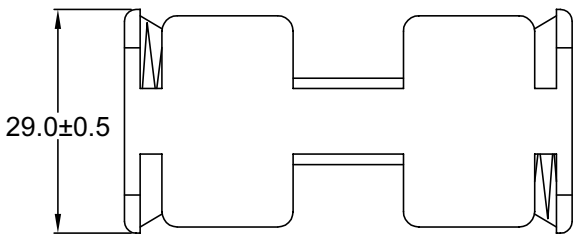
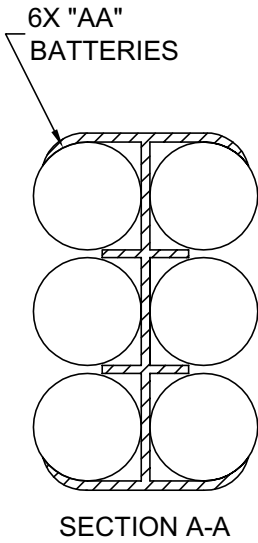
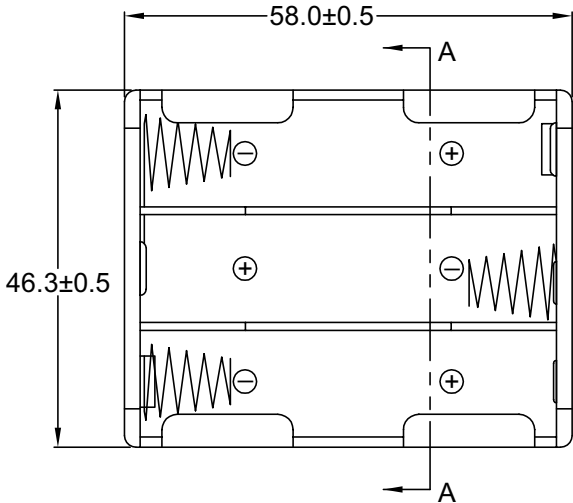
PDSN-23B: Brass, Nickel plated

PDSN-23C: Brass, Nickel plated

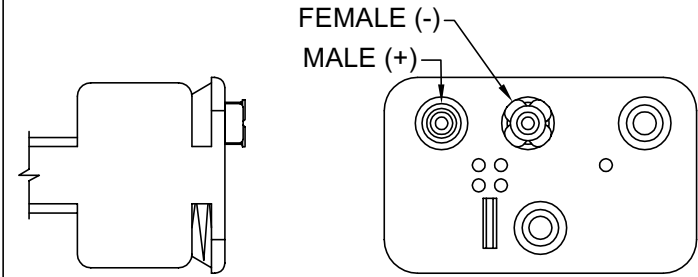
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

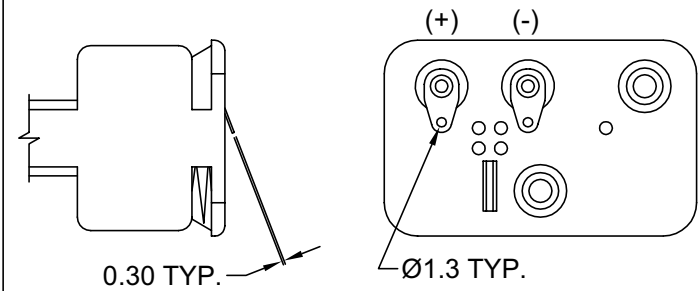
Operating temperature: -5°C to +83°C



PDSN-23A WIRE LEADS



PDSN-23B SNAP TERMINAL



PDSN-23C SOLDER LUGS

REVISIONS	CHNG	CHK	APPR
	CHANGE	REVIS	TD
	REVISED / UPDATED	GO	PB
	DATE	04/16/02	
REV	A		

TOLERANCE UNLESS OTHERWISE SPECIFIED			
X	± 1		
X.X	± 0.4		
X.XX	± 0.20		
DRAWN BY	DT	DATE:	4/11/01
CHECK BY	PB	DATE:	4/12/01
APPR BY		DATE:	

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

PART: 6 CELL TYPE "AA" BATTERY HOLDER
 SIDE BY SIDE

PDSN-23X

SIZE: A
 SCALE: NTS

ALL DIMENSIONS FOR REFERENCE ONLY
 DIMENSIONS ARE IN MILLIMETERS

SHEET 1 of 1
 REV: A

6

5

4

3

2

1

6

5

4

3

2

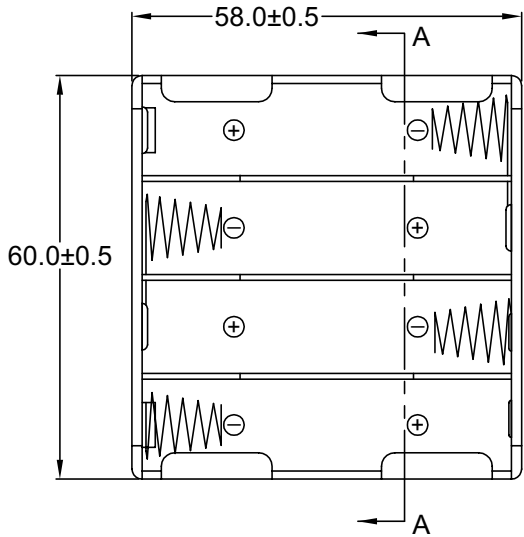
1

MATERIAL AND FINISH

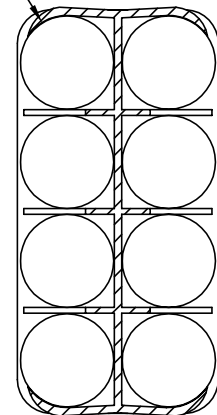
Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated
 PDSN-26A (wire leads): PVC, 26 AWG
 Contact & terminals:
 PDSN-26B: Brass, Nickel plated
 PDSN-26C: Brass, Nickel plated

Spring: Spring Steel, Nickel plated imbedded in Polypropylene

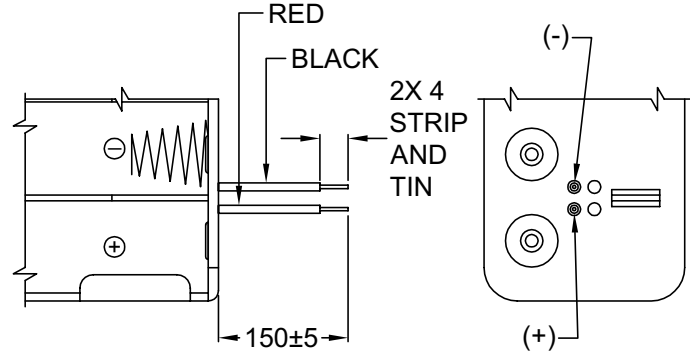
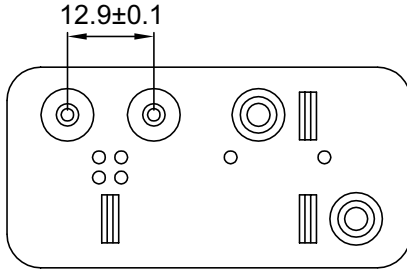
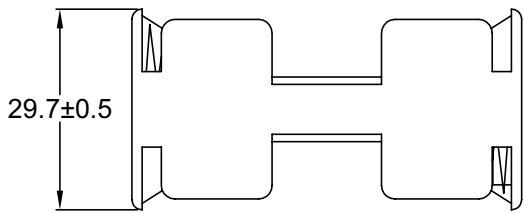
ENVIRONMENTAL:
 Operating temperature: -5°C to +83°C



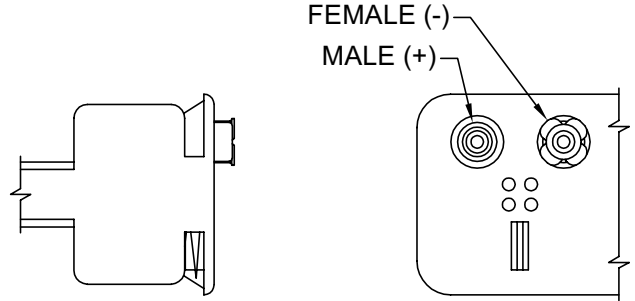
8X "AA" BATTERIES



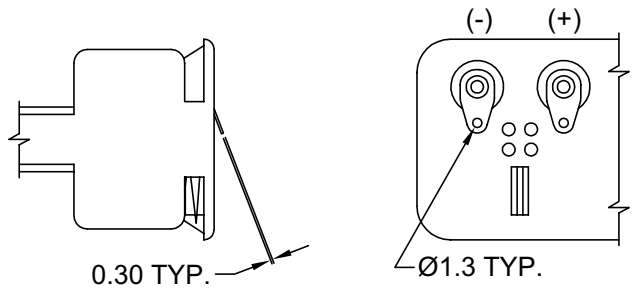
SECTION A-A



PDSN-26A WIRE LEADS



PDSN-26B SNAP TERMINAL



PDSN-26C SOLDER LUGS

REVISIONS	CHNG	CHECK	APPR
	REV	DATE	
	CHANGE		

TOLERANCE UNLESS OTHERWISE SPECIFIED		
X	±	1
X.X	±	0.4
X.XX	±	0.20
DRAWN BY	GQ	DATE: 04/17/02
CHECK BY	TD	DATE: 05/09/02
APPR BY	PB	DATE: 05/09/02

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

PART: 8 CELL TYPE "AA" BATTERY HOLDER
 SIDE BY SIDE

PART #: PDSN-26X		SHEET 1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	REV:
SCALE: NTS		

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated

PDSN-36-2A (wire leads): PVC, 26 AWG

Contact & terminals:

PDSN-36-2B: Brass, Nickel plated

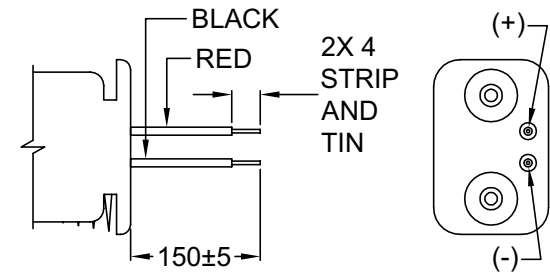
PDSN-36-2C: Brass, Nickel plated

PDSN-36-2D: Steel, Nickel plated

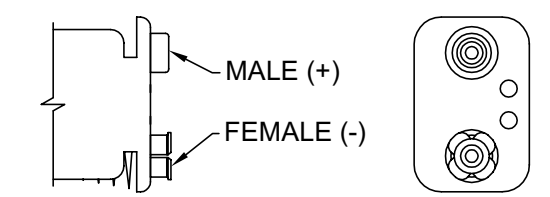
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

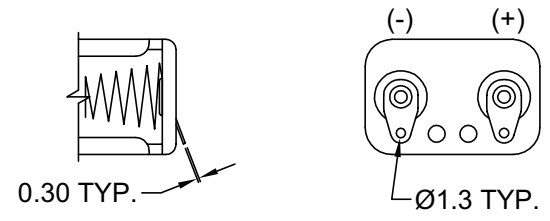
Operating temperature: -5°C to +83°C



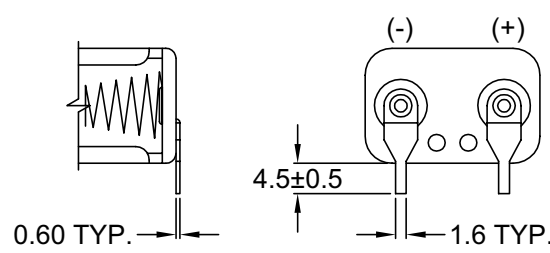
PDSN-36-2A WIRE LEADS



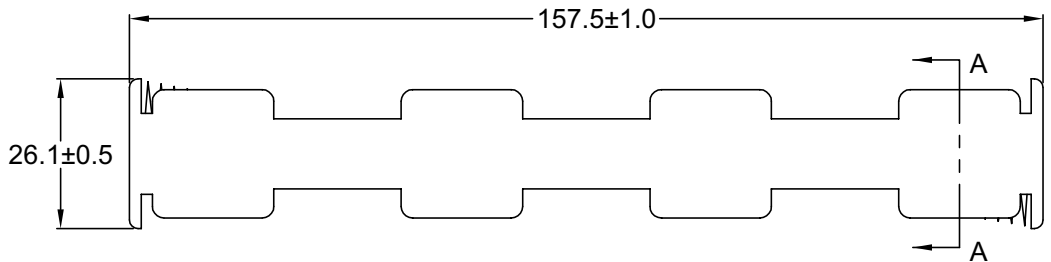
PDSN-36-2B SNAP TERMINAL



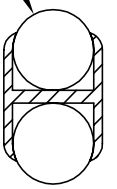
PDSN-36-2C SOLDER LUGS



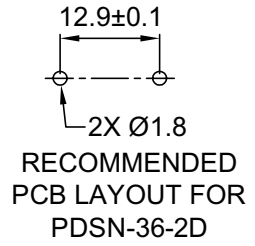
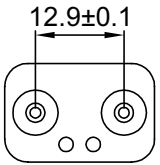
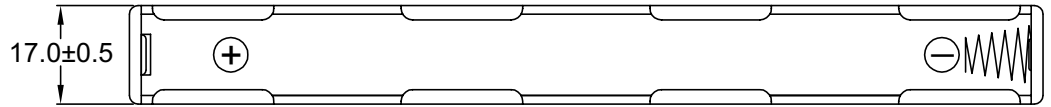
PDSN-36-2D PCB PINS



2X "AA" BATTERIES



SECTION A-A



RECOMMENDED PCB LAYOUT FOR PDSN-36-2D

REVISIONS	CHNG	CHK	APPR		
		PB	TD	JJ	PB
	DATE	11/3/00	04/18/02		
	REV	A	B		

TOLERANCE UNLESS OTHERWISE SPECIFIED			
X	± 1		
X.X	± 0.4		
X.XX	± 0.20		
DRAWN BY	TM	DATE:	3/21/94
CHECK BY	TD	DATE:	11/03/00
APPR BY	JJ	DATE:	11/03/00

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

PART: 6 CELL TYPE "AA" BATTERY HOLDER

PDSN-36-2X		SHEET 1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	REV: B
SCALE: NTS		

6

5

4

3

2

1

6

5

4

3

2

1

MATERIAL AND FINISH

Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated

PDSN-38-2A (wire leads): PVC, 26 AWG

Contact & terminals:

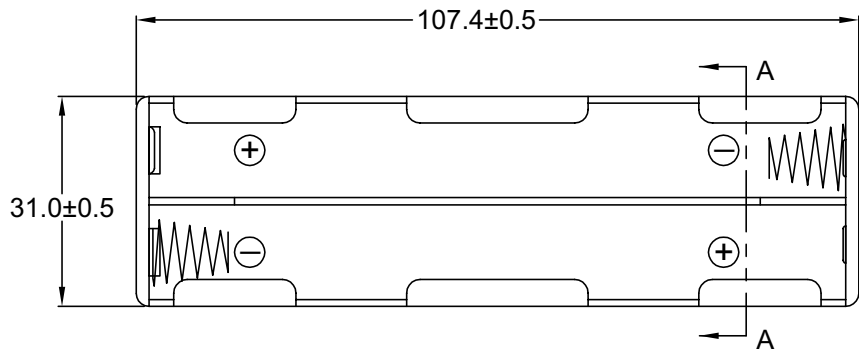
PDSN-38-2B: Brass, Nickel plated

PDSN-38-2C: Brass, Nickel plated

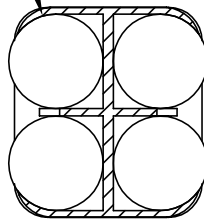
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

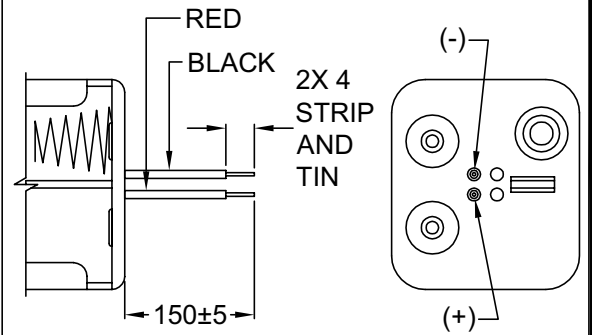
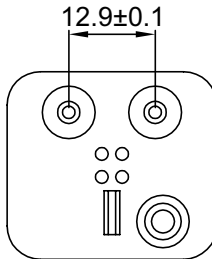
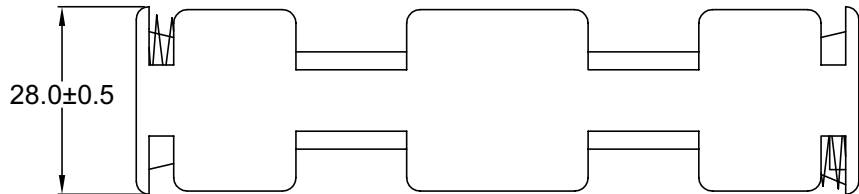
Operating temperature: -5°C to +83°C



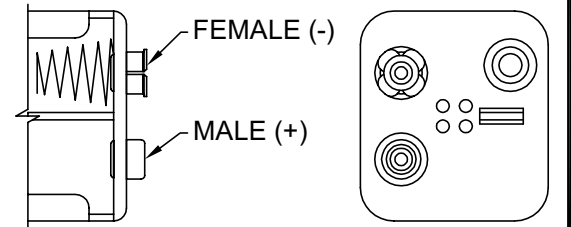
8X "AA" BATTERIES



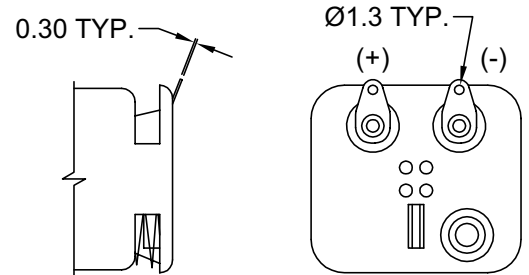
SECTION A-A



PDSN-38-2A WIRE LEADS



PDSN-38-2B SNAP TERMINAL



PDSN-38-2C SOLDER LUGS

REV	DATE	CHANGE	CHNG	CHECK	APPR

TOLERANCE UNLESS OTHERWISE SPECIFIED		
X	±	1
X.X	±	0.4
X.XX	±	0.20
DRAWN BY	GQ	DATE: 04/19/02
CHECK BY	TD	DATE: 05/09/02
APPR BY	PB	DATE: 05/09/02

Power Dynamics, Inc.

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

PART: 8 CELL TYPE "AA" BATTERY HOLDER SIDE BY SIDE

PART #: PDSN-38-2X		SHEET 1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	REV:
SCALE: NTS		

6

5

4

3

2

1