

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

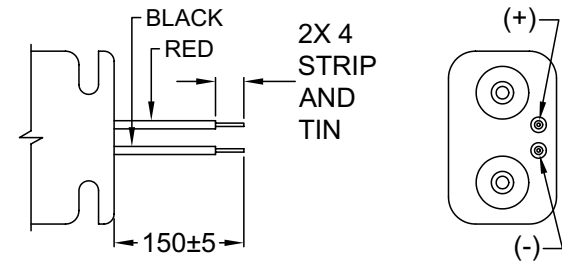
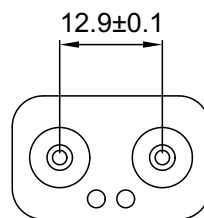
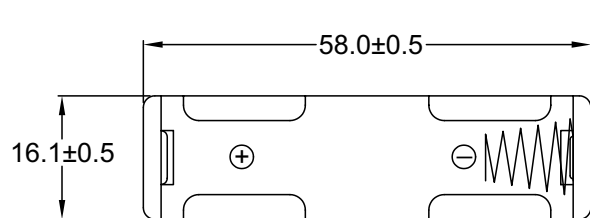
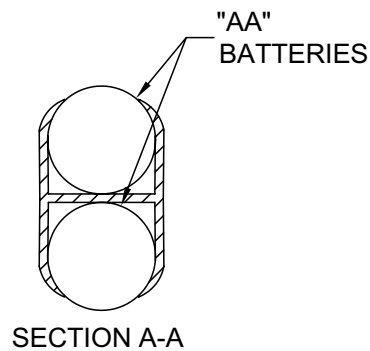
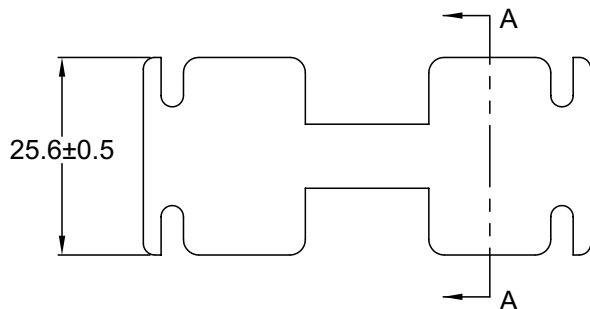
PDSN-10C: Brass, Nickel plated

PDSN-10D: Steel, Nickel plated

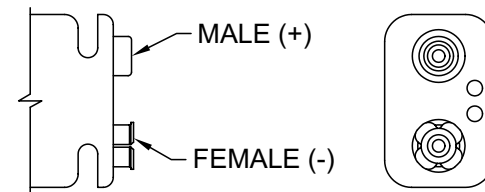
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

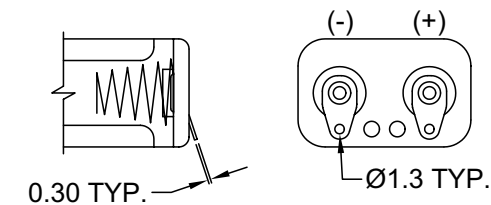
Operating temperature: -5°C to +83°C



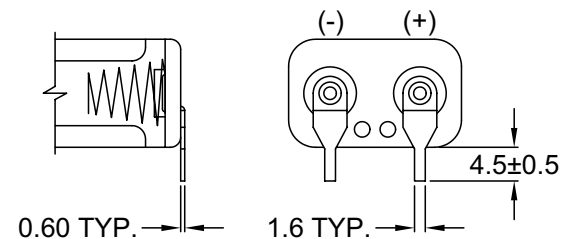
PDSN-10A WIRE LEADS



PDSN-10B SNAP TERMINAL



PDSN-10C SOLDER LUGS



PDSN-10D PCB PINS

REVISIONS

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

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

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

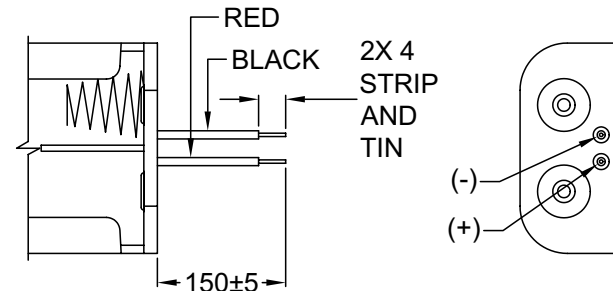
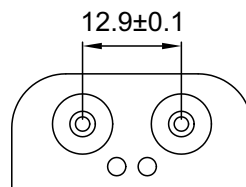
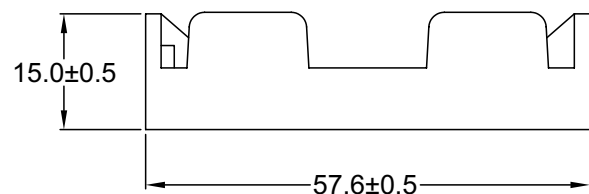
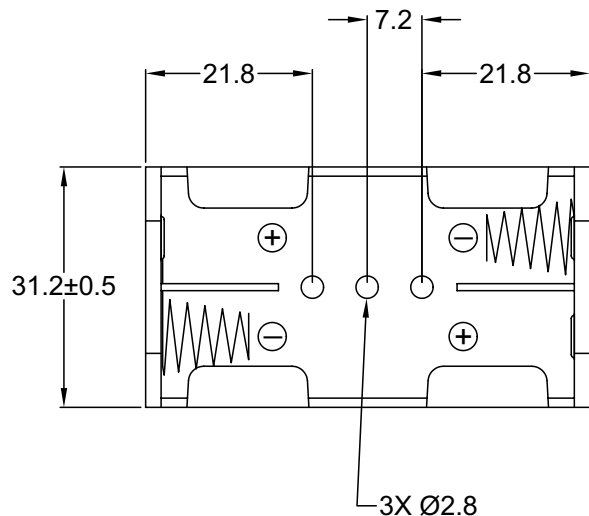
PDSN-11C: Brass, Nickel plated

PDSN-11D: Steel, Nickel plated

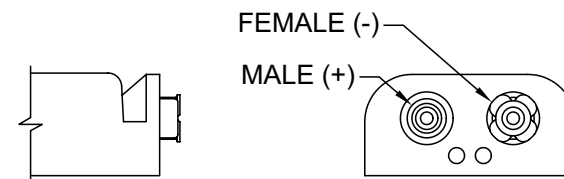
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

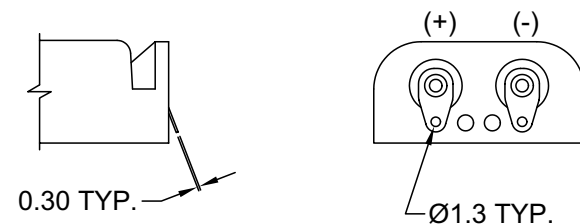
Operating temperature: -5°C to +83°C



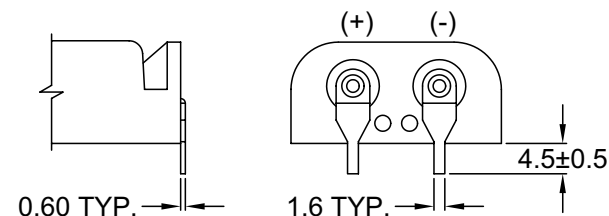
PDSN-11A WIRE LEADS



PDSN-11B SNAP TERMINAL



PDSN-11C SOLDER LUGS



PDSN-11D PCB PINS

REVISIONS

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

PART #:	PDSN-11X	SHEET	1 of 1
SIZE:	A	ALL DIMENSIONS FOR REFERENCE ONLY	REV: B
SCALE:	NTS	DIMENSIONS ARE IN MILLIMETERS	

MATERIAL AND FINISH

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

Contact & terminals:

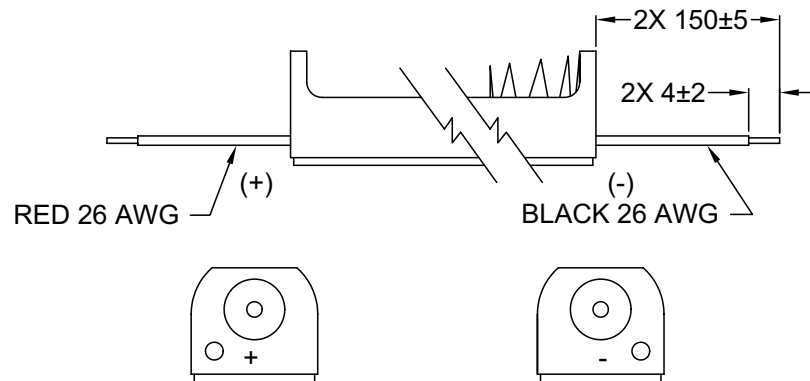
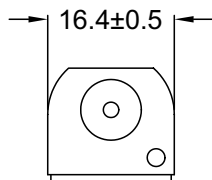
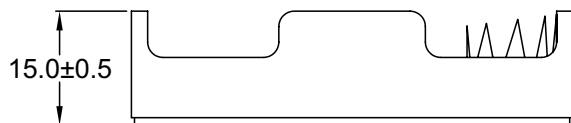
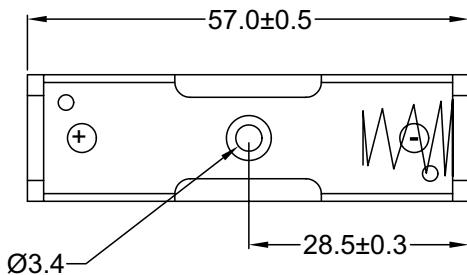
PDSN-12C: Brass, Nickel plated

PDSN-12D: Brass, Nickel plated

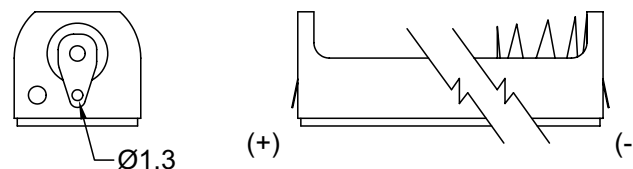
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

MECHANICAL SPECIFICATIONS:

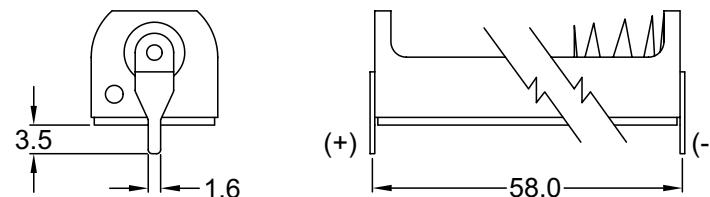
Operating temperature: -5°C to +83°C



PDSN-12A WIRE LEADS



PDSN-12C SOLDER LUGS



PDSN-12D P.C. PINS

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		

REVISIONS

REV	DATE	CHANGE	CHNG	CHK	APPR
A	9/10/01	UPDATED DWG	GQ	PB	

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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

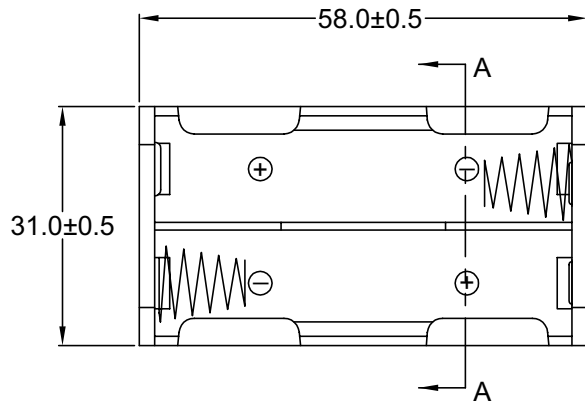
PDSN-13C: Brass, Nickel plated

PDSN-13D: Steel, Nickel plated

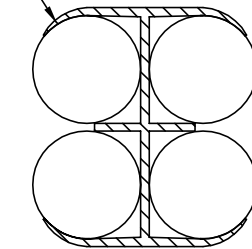
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

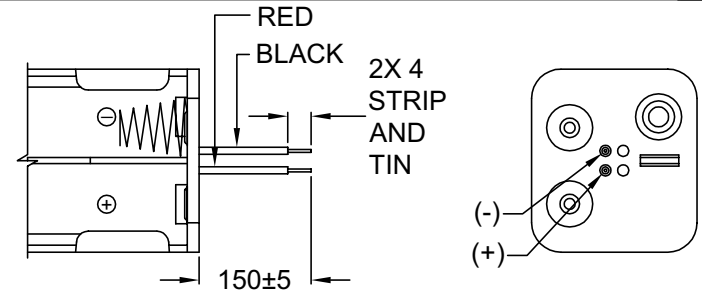
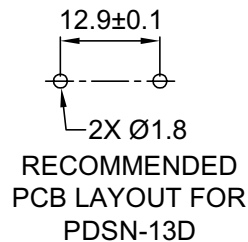
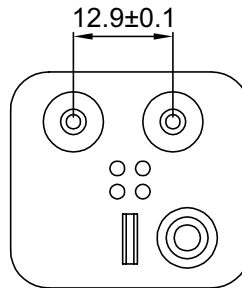
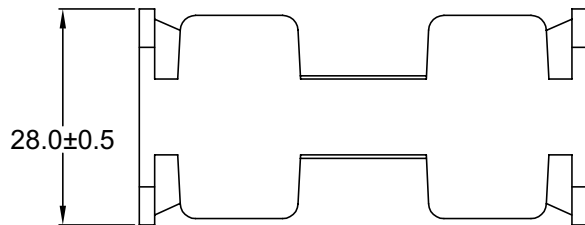
Operating temperature: -5°C to +83°C



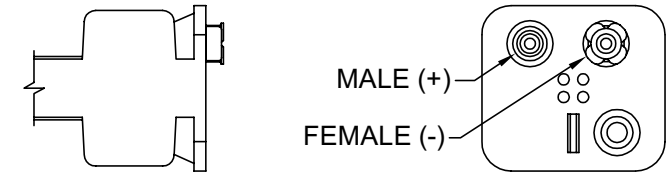
4X "AA" BATTERIES



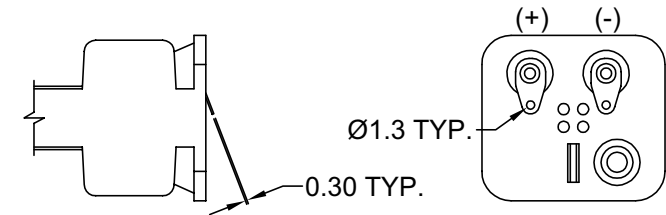
SECTION A-A



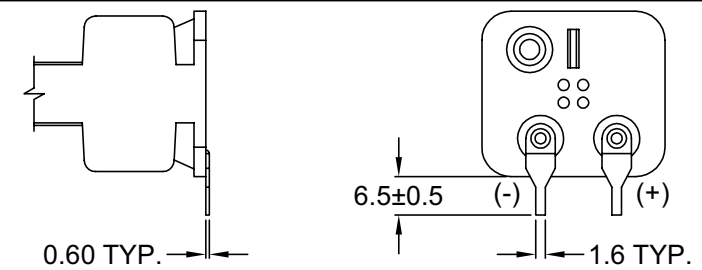
PDSN-13A WIRE LEADS



PDSN-13B SNAP TERMINAL



PDSN-13C SOLDER LUGS



PDSN-13D PCB PINS

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: 4 CELL TYPE "AA" BATTERY HOLDER

DRAWN BY	GQ	DATE:	04/03/02
CHECK BY	TD	DATE:	04/24/02
APPR BY	PB	DATE:	04/24/02

PART #: **PDSN-13X**

SHEET
1 of 1

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

REV:

REVISIONS

REV	DATE	CHANGE	CHK	CHK	APPR

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6

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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

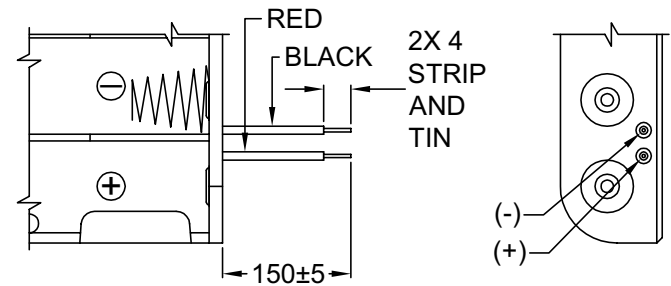
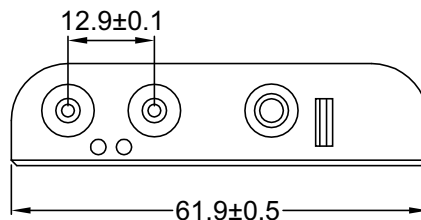
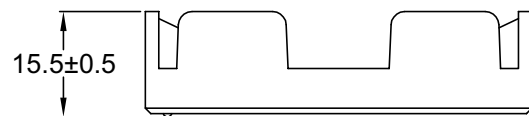
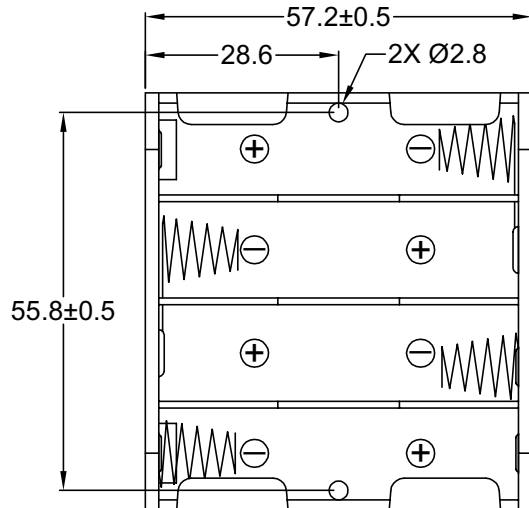
PDSN-18C: Brass, Nickel plated

PDSN-18D: Steel, Nickel plated

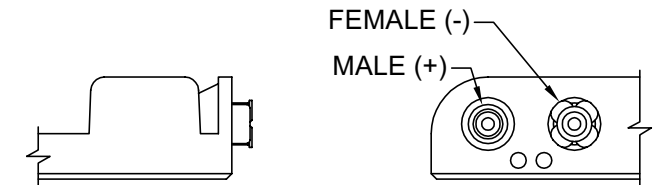
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

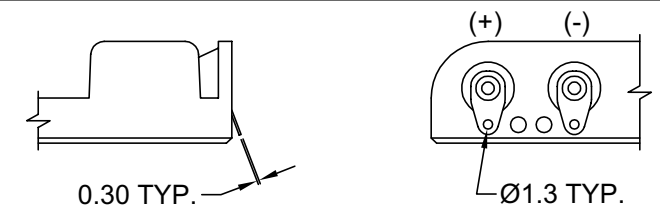
Operating temperature: -5°C to +83°C



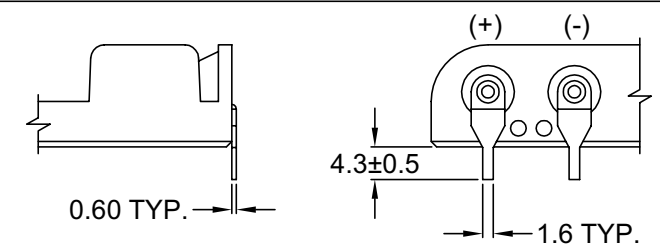
PDSN-18A WIRE LEADS



PDSN-18B SNAP TERMINAL



PDSN-18C SOLDER LUGS



PDSN-18D PCB PINS

REVISIONS

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

PART #:	PDSN-18X	SHEET	1 of 1
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY	REV: D	
SCALE: NTS	DIMENSIONS ARE IN MILLIMETERS		

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MATERIAL AND FINISH

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

PDSN-19A (wire leads): PVC, 26 AWG

Contact & terminals:

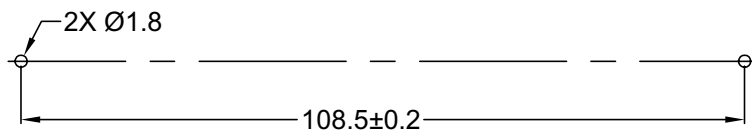
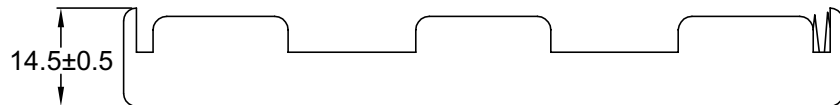
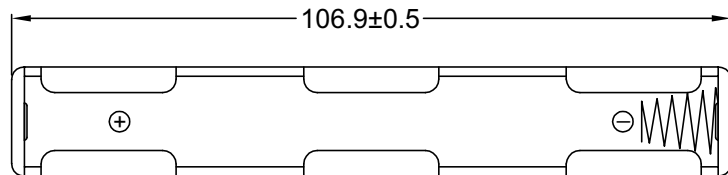
PDSN-19C: Brass, Nickel plated

PDSN-19D: Steel, Nickel plated

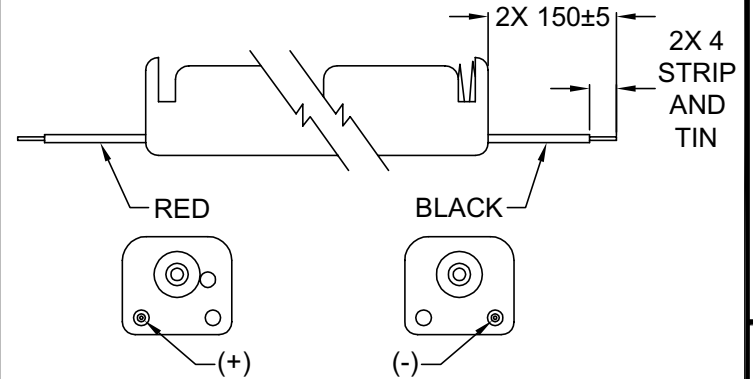
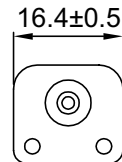
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

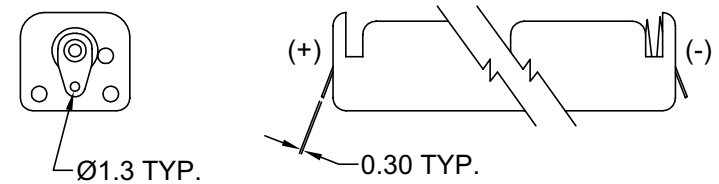
Operating temperature: -5°C to +83°C



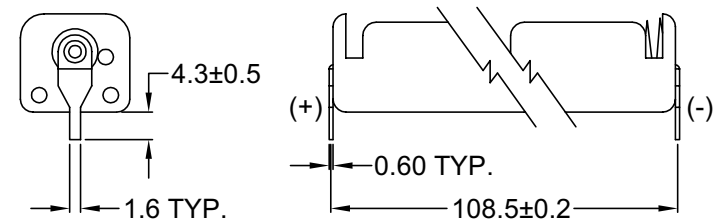
RECOMMENDED
PCB LAYOUT FOR
PDSN-19D



PDSN-19A WIRE LEADS



PDSN-19C SOLDER LUGS



PDSN-19D PCB PINS

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

PART #: **PDSN-19X**

SHEET
1 of 1

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

REV:

REVISIONS

REV	DATE	CHANGE	CHNG	CHK	APPR
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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

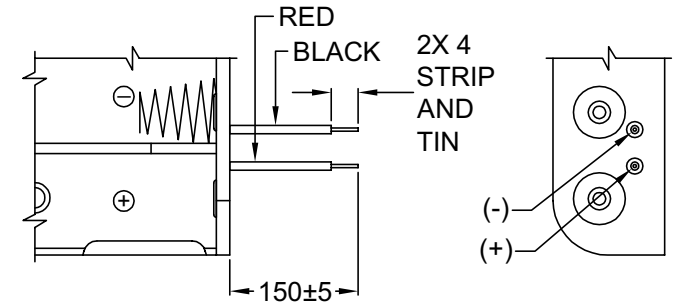
PDSN-21C: Brass, Nickel plated

PDSN-21D: Steel, Nickel plated

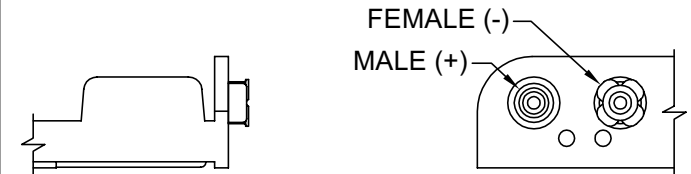
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

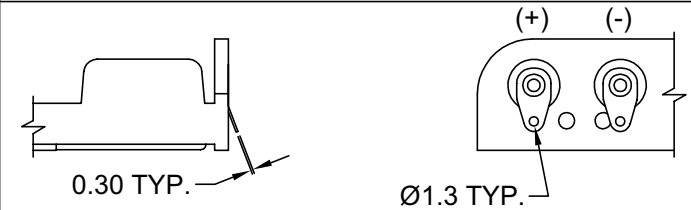
Operating temperature: -5°C to +83°C



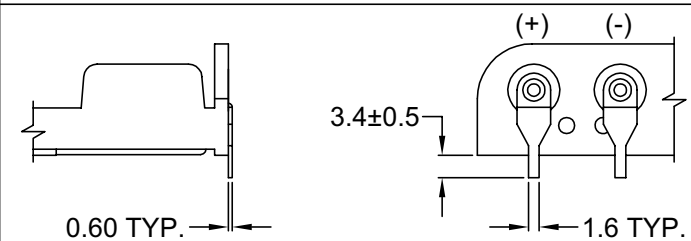
PDSN-21A WIRE LEADS



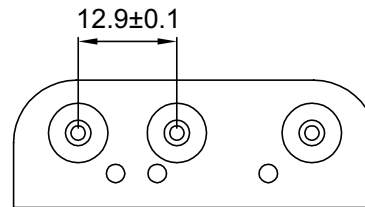
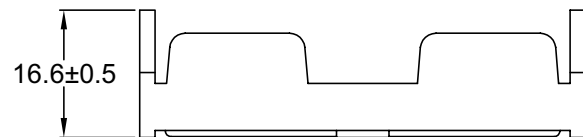
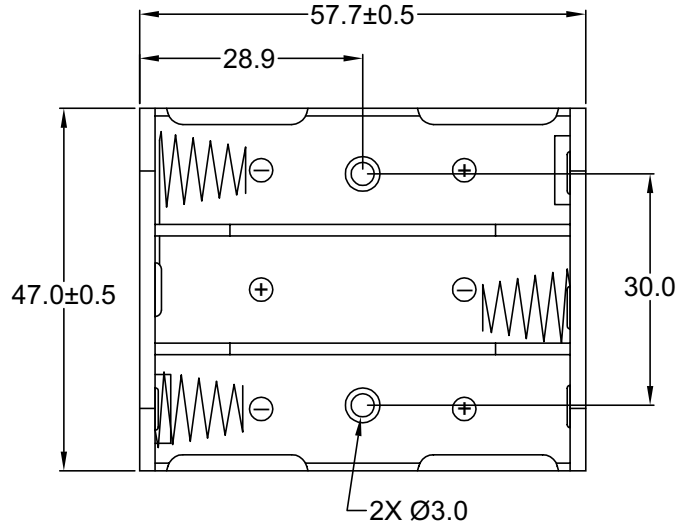
PDSN-21B SNAP TERMINAL



PDSN-21C SOLDER LUGS



PDSN-21D PCB PINS



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

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

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

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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

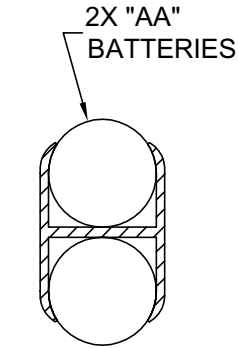
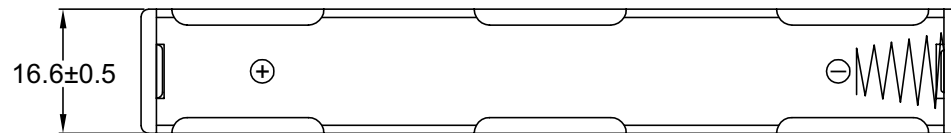
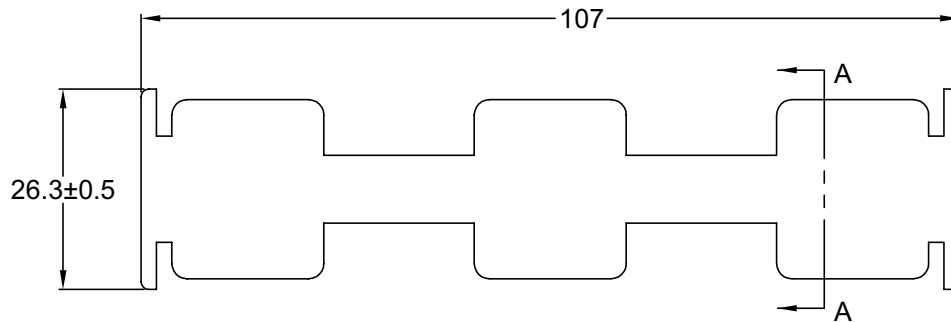
PDSN-22C: Brass, Nickel plated

PDSN-22D: Steel, Nickel plated

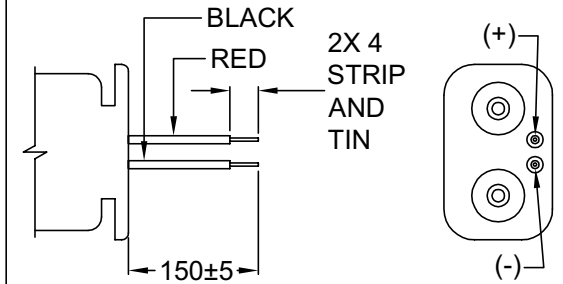
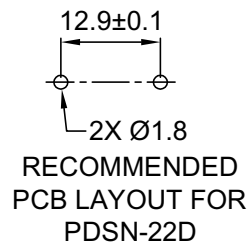
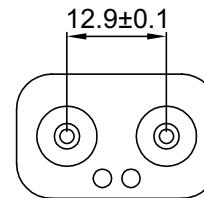
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

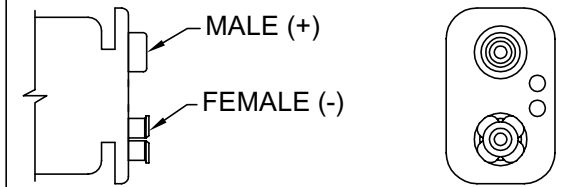
Operating temperature: -5°C to +83°C



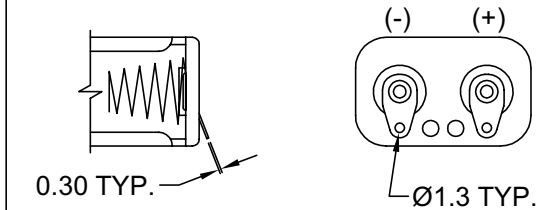
SECTION A-A



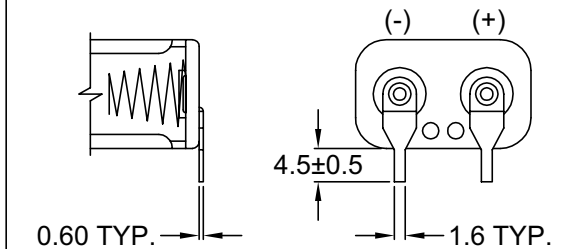
PDSN-22A WIRE LEADS



PDSN-22B SNAP TERMINAL



PDSN-22C SOLDER LUGS



PDSN-22D PCB PINS

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

ALL DIMENSIONS FOR REFERENCE ONLY
DIMENSIONS ARE IN MILLIMETERS

REV:

REVISIONS

REV	DATE	CHANGE	CHK	APPR

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:

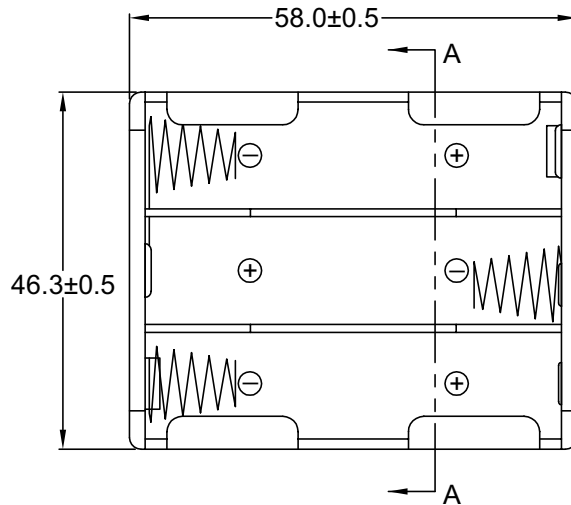
PDSN-23B: Brass, Nickel plated

PDSN-23C: Brass, Nickel plated

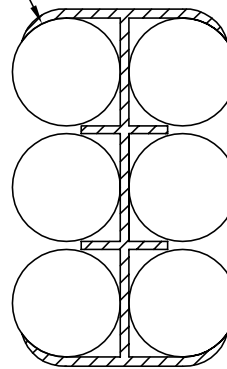
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

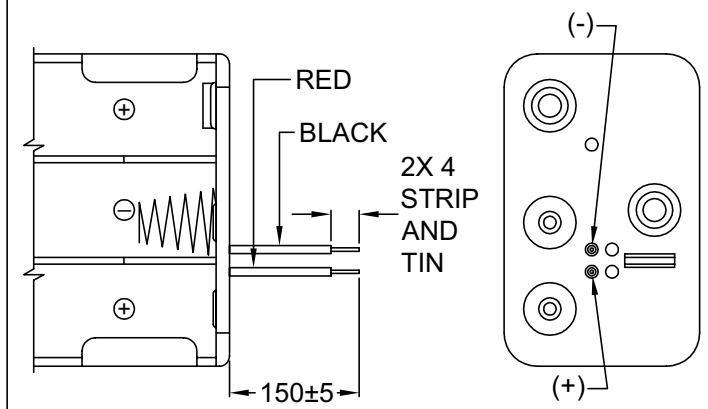
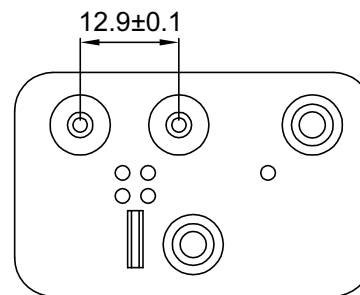
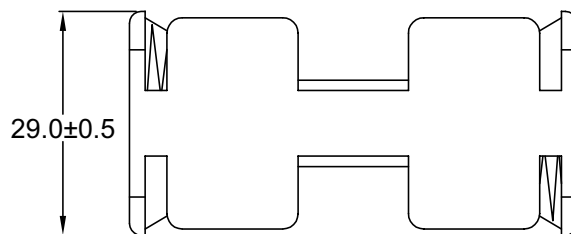
Operating temperature: -5°C to +83°C



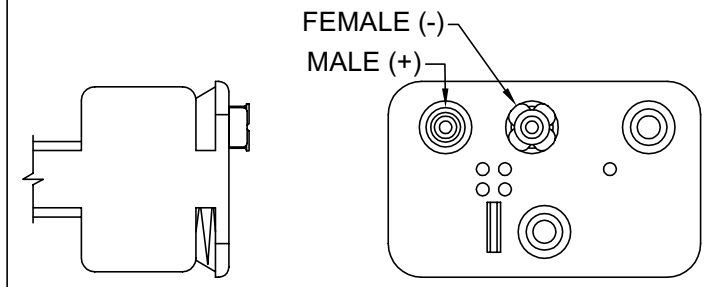
6X "AA"
BATTERIES



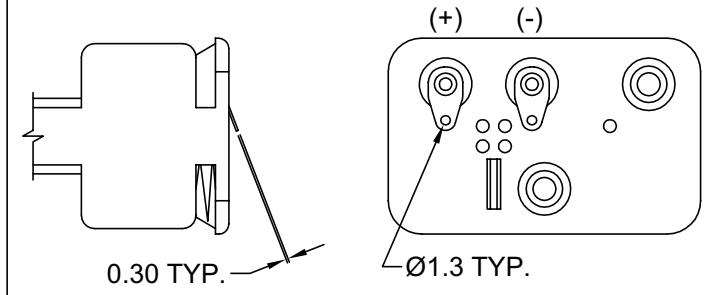
SECTION A-A



PDSN-23A WIRE LEADS



PDSN-23B SNAP TERMINAL



PDSN-23C SOLDER LUGS

REV	REVISIONS				CHNG	CHK	APPR
	DATE	CHANGE	REVISED / UPDATED	GQ			
	04/16/02						
	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			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

MATERIAL AND FINISH

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

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

Contact & terminals:

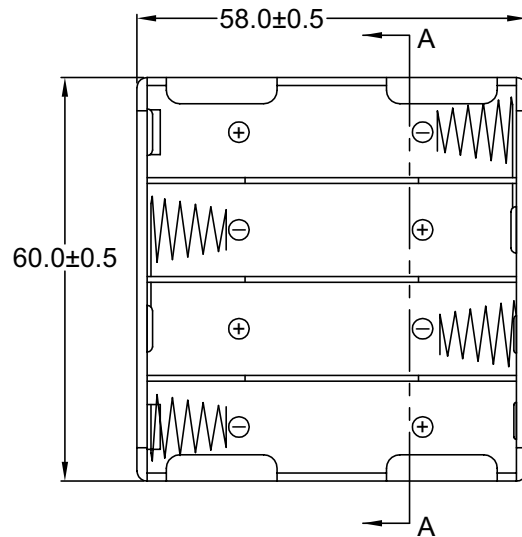
PDSN-26B: Brass, Nickel plated

PDSN-26C: Brass, Nickel plated

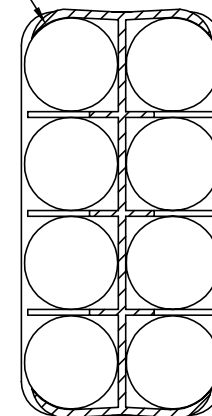
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

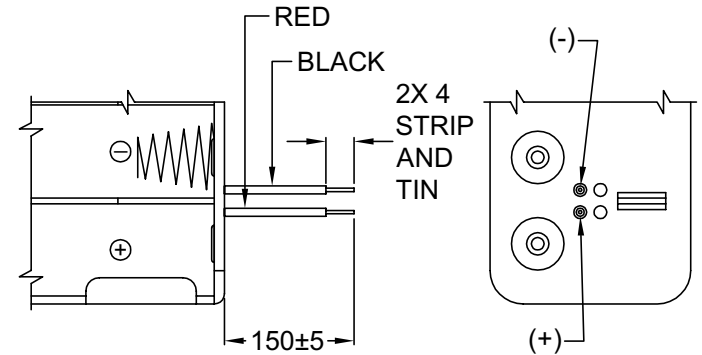
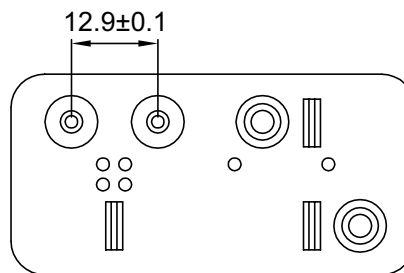
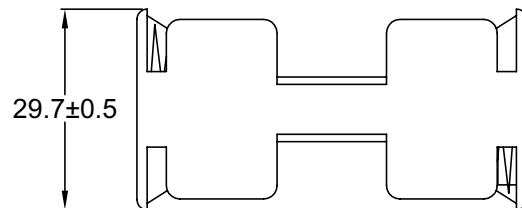
Operating temperature: -5°C to +83°C



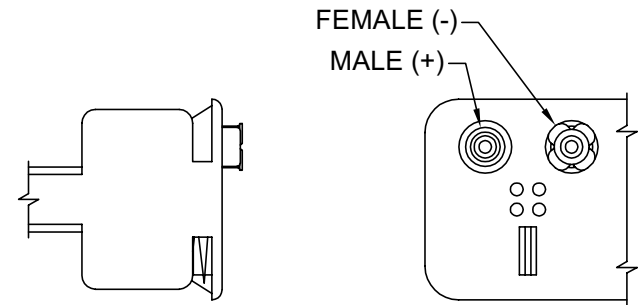
8X "AA"
BATTERIES



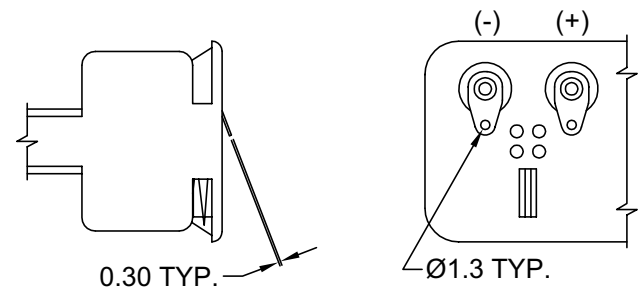
SECTION A-A



PDSN-26A WIRE LEADS



PDSN-26B SNAP TERMINAL



PDSN-26C SOLDER LUGS

REVISIONS

CHANGE

REV DATE

APPR

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
SCALE: NTS DIMENSIONS ARE IN MILLIMETERS

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

Contact & terminals:

PDSN-36-2B: Brass, Nickel plated

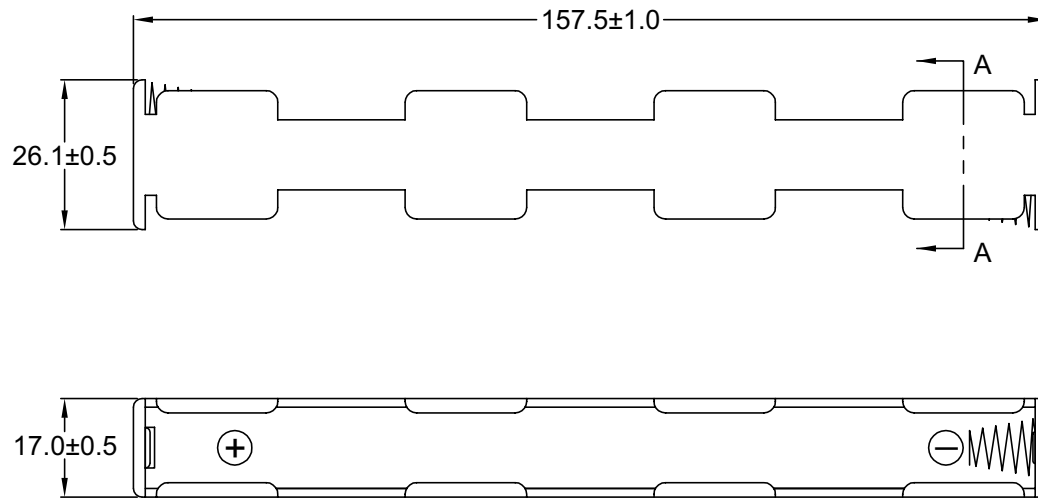
PDSN-36-2C: Brass, Nickel plated

PDSN-36-2D: Steel, Nickel plated

Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

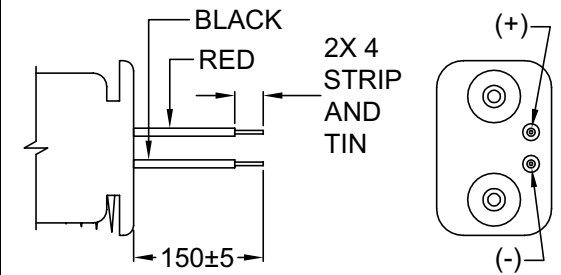
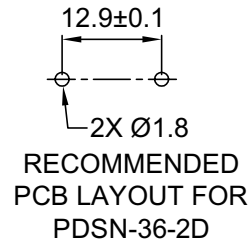
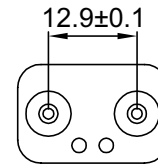
ENVIRONMENTAL:

Operating temperature: -5°C to +83°C

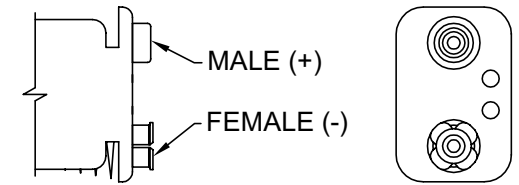


2X "AA"
BATTERIES

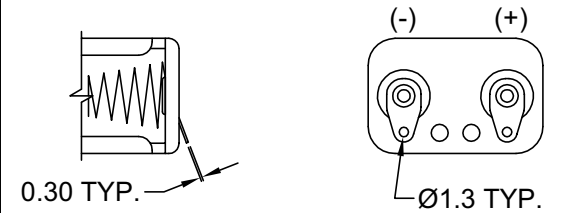
SECTION A-A



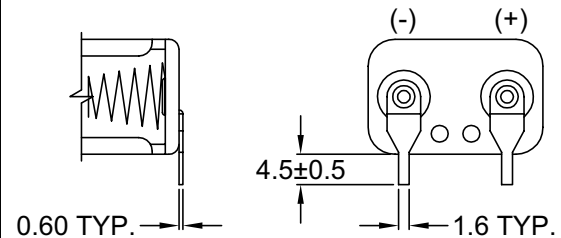
PDSN-36-2A WIRE LEADS



PDSN-36-2B SNAP TERMINAL



PDSN-36-2C SOLDER LUGS



PDSN-36-2D PCB PINS

REV	REVISIONS				CHK	APPR
	DATE	CHANGE	CHNG	DATE		
	11/3/00	UPDATED DRAWING	PB	TD		
	04/18/02	REVISED / UPDATED	GQ	TD		
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

PART #: PDSN-36-2X

SHEET
1 of 1

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

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

Contact & terminals:

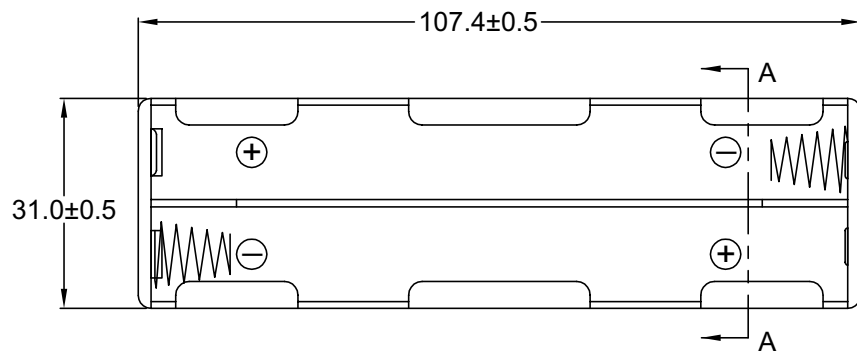
PDSN-38-2B: Brass, Nickel plated

PDSN-38-2C: Brass, Nickel plated

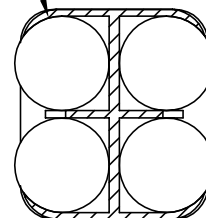
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

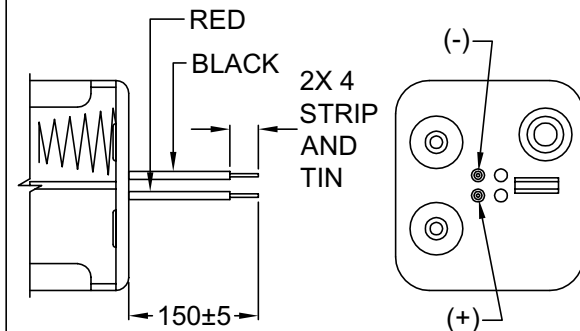
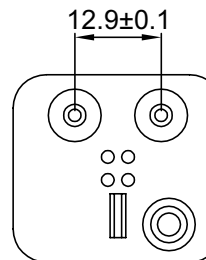
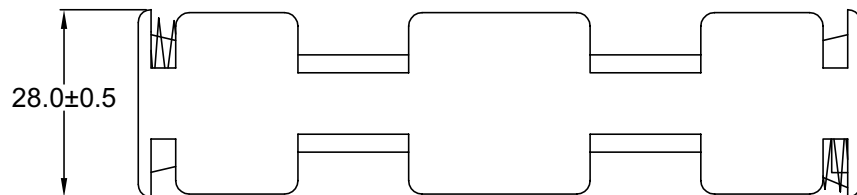
Operating temperature: -5°C to +83°C



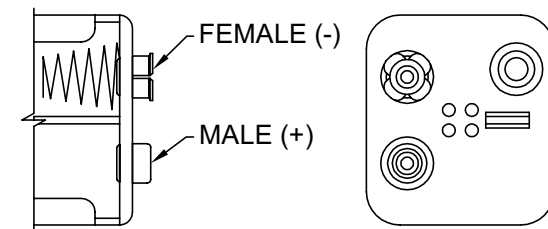
8X "AA"
BATTERIES



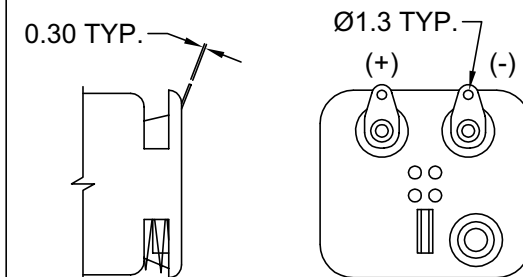
SECTION A-A



PDSN-38-2A WIRE LEADS



PDSN-38-2B SNAP TERMINAL



PDSN-38-2C SOLDER LUGS

REVISIONS			
REV	DATE	CHANGE	CHKG

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