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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

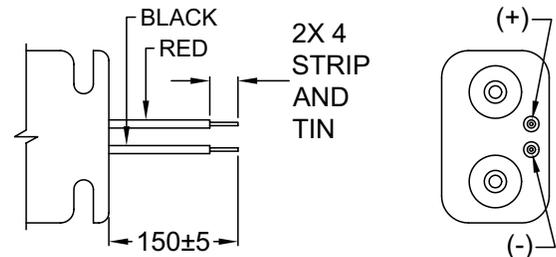
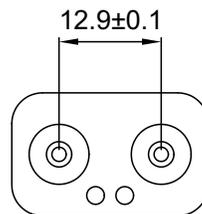
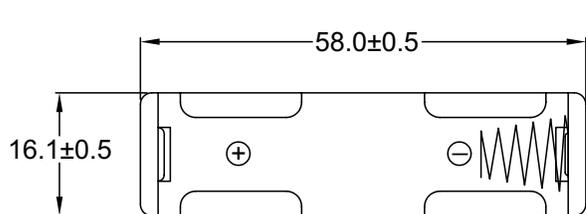
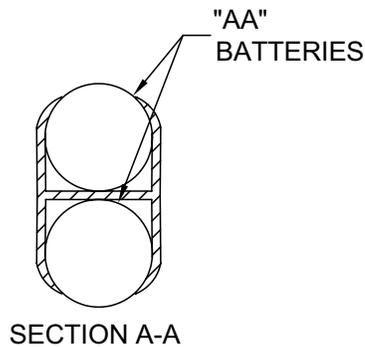
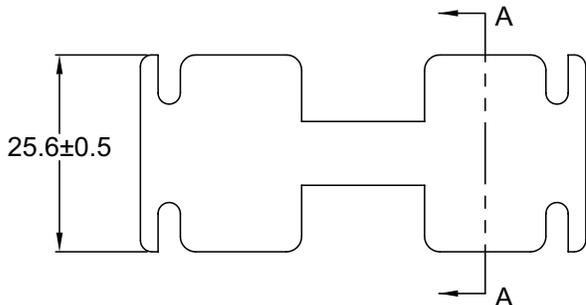
PDSN-10C: Brass, Nickel plated

PDSN-10D: Steel, Nickel plated

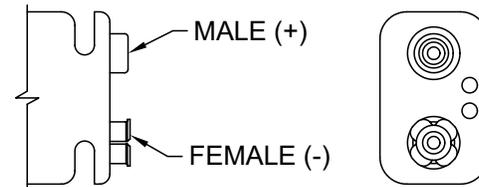
Spring: Spring Steel, Nickel plated imbedded in
Polypropylene

ENVIRONMENTAL:

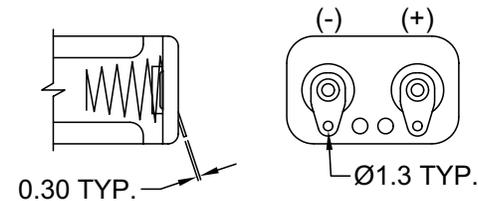
Operating temperature: -5°C to +83°C



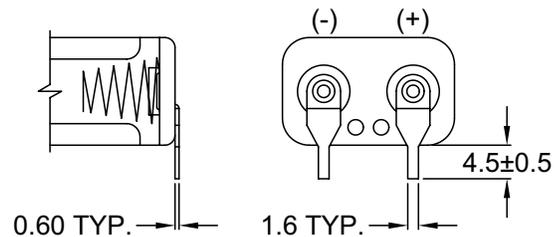
PDSN-10A WIRE LEADS



PDSN-10B SNAP TERMINAL



PDSN-10C SOLDER LUGS



PDSN-10D PCB PINS

REVISIONS	CHNG	CHK	APPR		
	DATE	12/99	03/25/02	JJ	PB
	CHANGE	UPDATED FORMAT & SPECS.	REVISED / UPDATED	TD	TD
	REV	A	B	GO	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: 2 CELL TYPE "AA" BATTERY HOLDER

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

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

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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

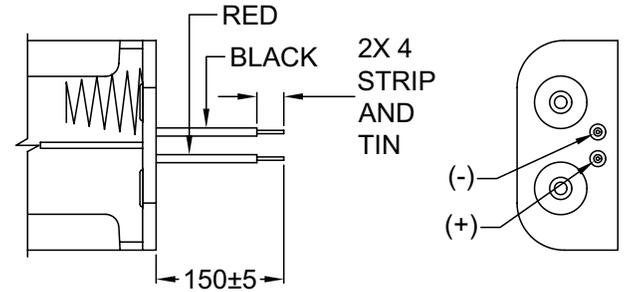
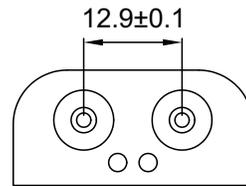
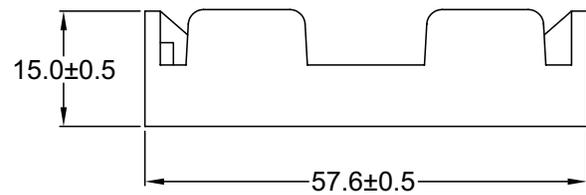
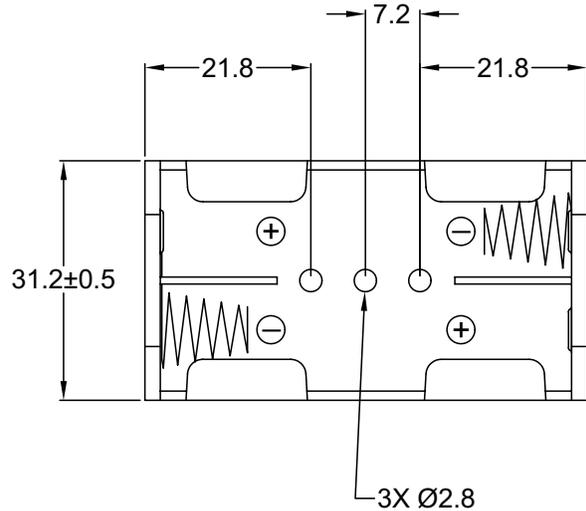
PDSN-11C: Brass, Nickel plated

PDSN-11D: Steel, Nickel plated

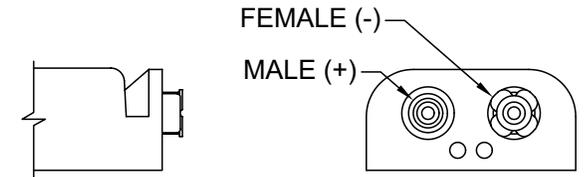
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

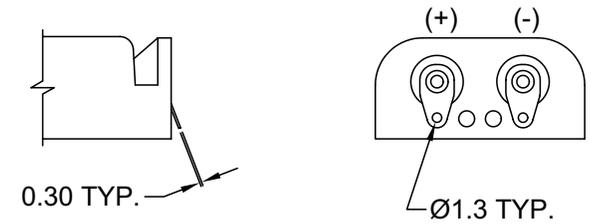
Operating temperature: -5°C to +83°C



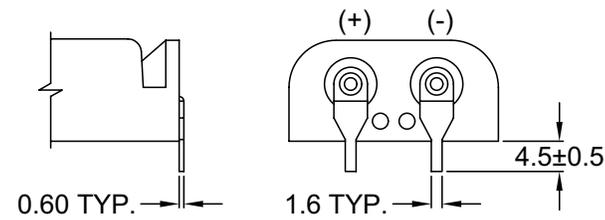
PDSN-11A WIRE LEADS



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

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MATERIAL AND FINISH

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

Contact & terminals:

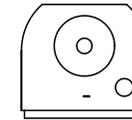
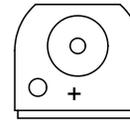
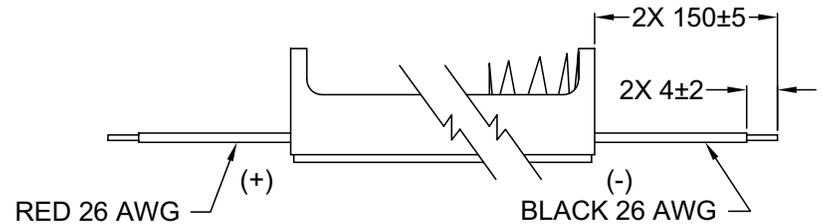
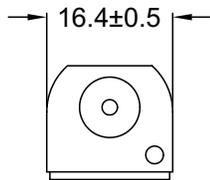
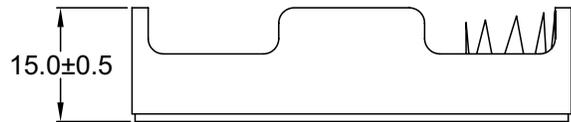
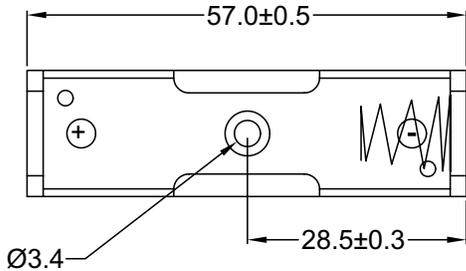
PDSN-12C: Brass, Nickel plated

PDSN-12D: Brass, Nickel plated

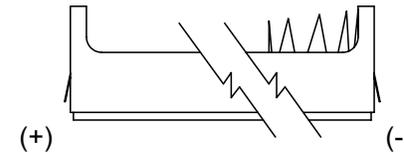
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

MECHANICAL SPECIFICATIONS:

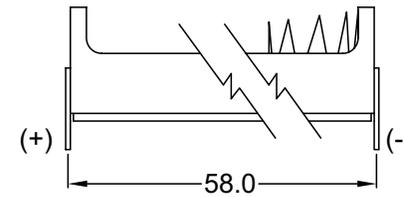
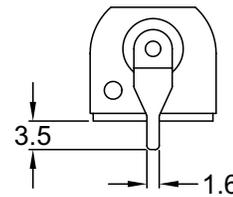
Operating temperature: -5°C to +83°C



PDSN-12A WIRE LEADS



PDSN-12C SOLDER LUGS



PDSN-12D P.C. PINS

REVISIONS	CHNG	CHK	APPR
	DATE	BY	
	REV	DATE	BY
	CHANGE	UPDATED DWG	
A	9/10/01		

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		

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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

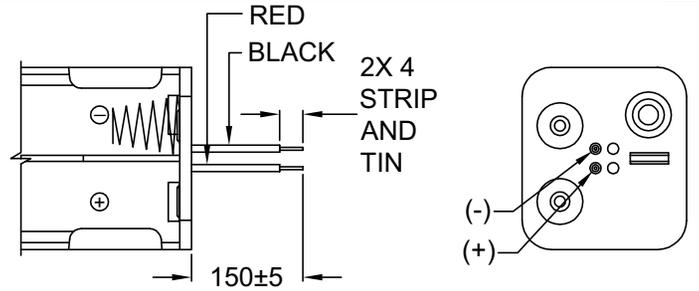
PDSN-13C: Brass, Nickel plated

PDSN-13D: Steel, Nickel plated

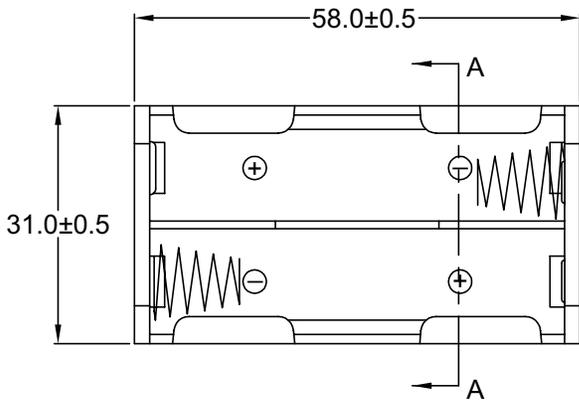
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

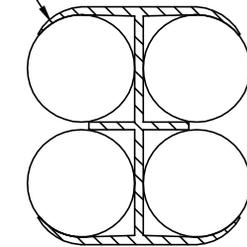
Operating temperature: -5°C to +83°C



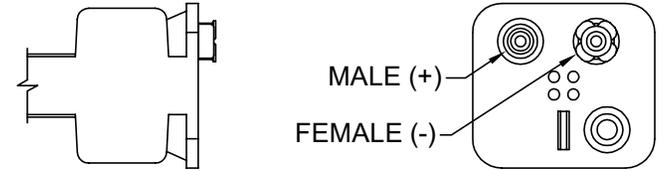
PDSN-13A WIRE LEADS



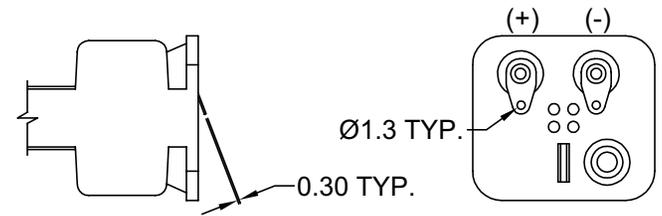
4X "AA" BATTERIES



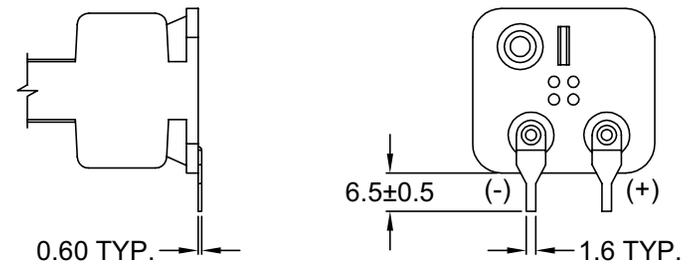
SECTION A-A



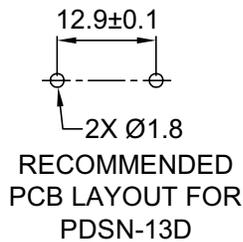
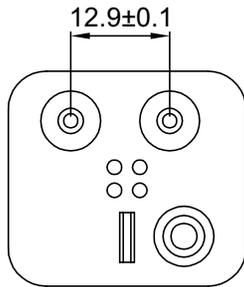
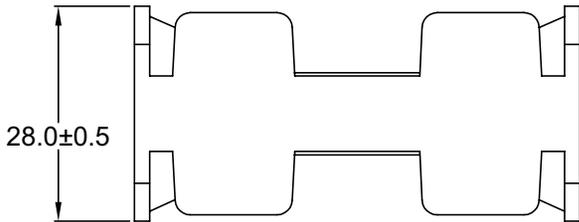
PDSN-13B SNAP TERMINAL



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

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

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REV	DATE	CHANGE	CHNG	CHK	APPR

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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

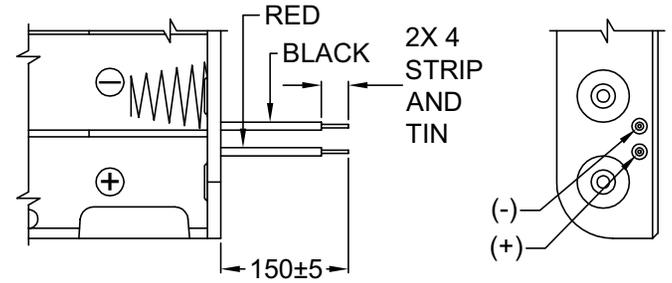
PDSN-18C: Brass, Nickel plated

PDSN-18D: Steel, Nickel plated

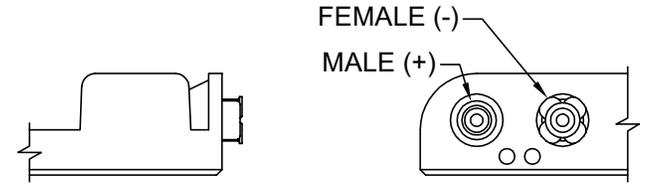
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

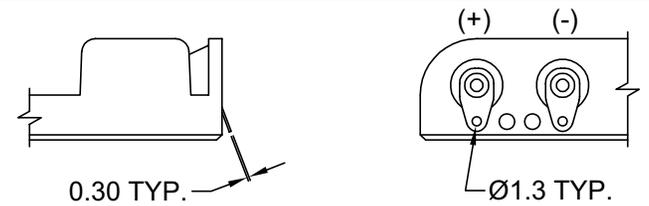
Operating temperature: -5°C to +83°C



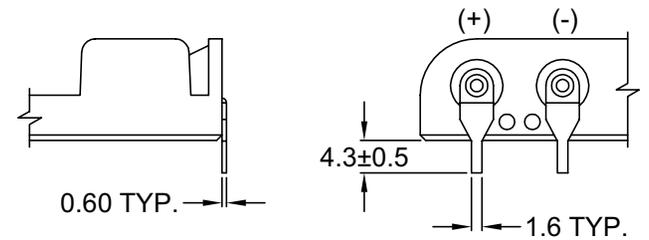
PDSN-18A WIRE LEADS



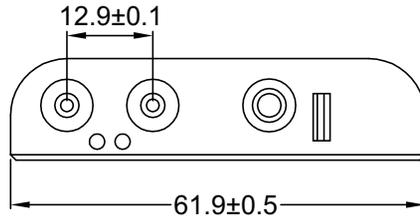
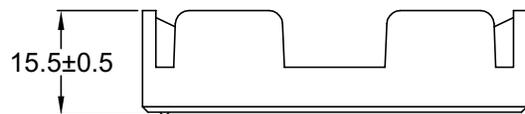
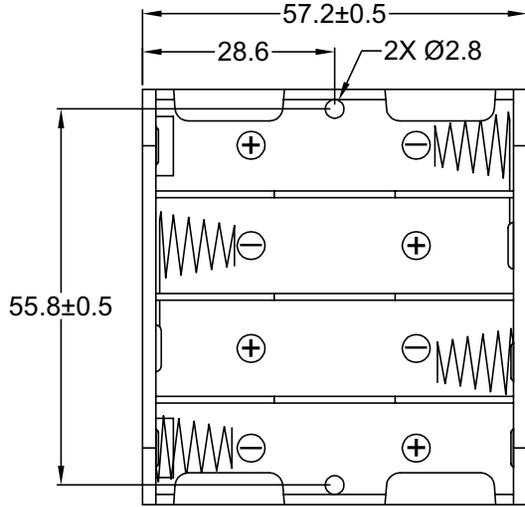
PDSN-18B SNAP TERMINAL



PDSN-18C SOLDER LUGS



PDSN-18D PCB PINS



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

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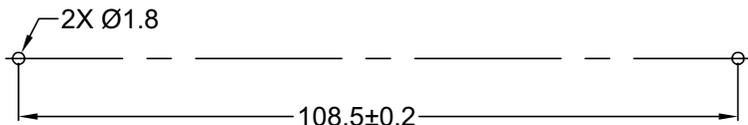
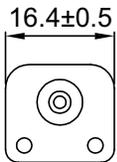
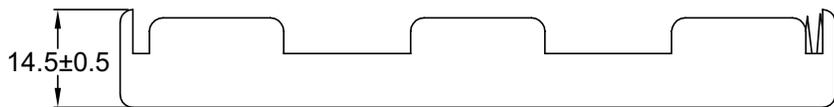
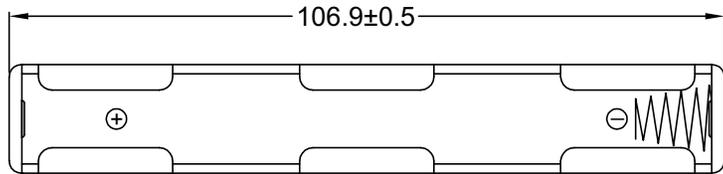
MATERIAL AND FINISH

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

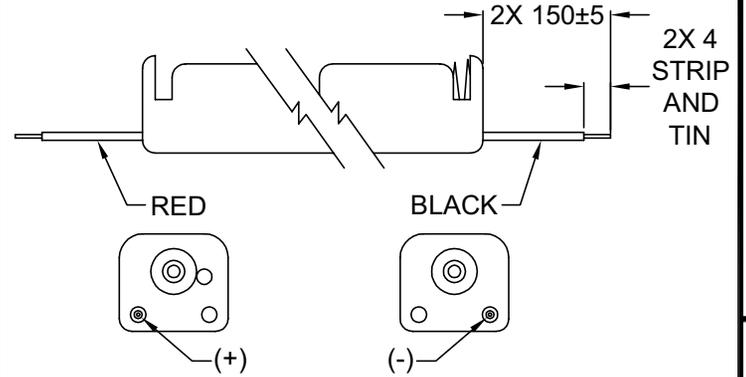
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

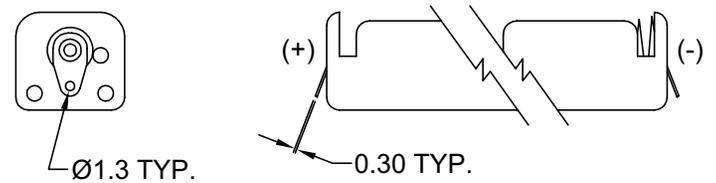
Operating temperature: -5°C to +83°C



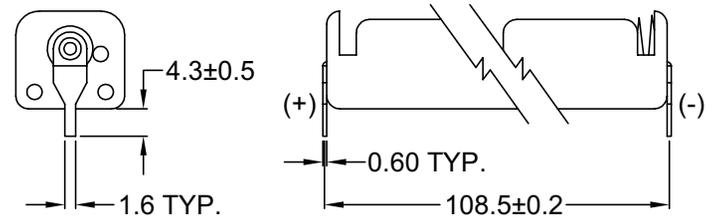
RECOMMENDED
PCB LAYOUT FOR
PDSN-19D



PDSN-19A WIRE LEADS



PDSN-19C SOLDER LUGS



PDSN-19D PCB PINS

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		

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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

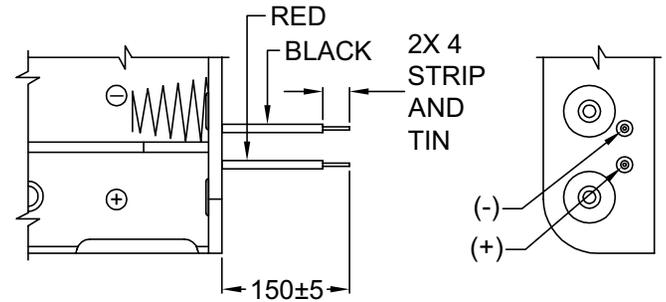
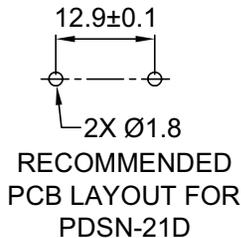
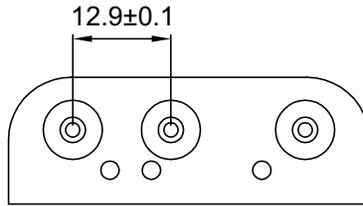
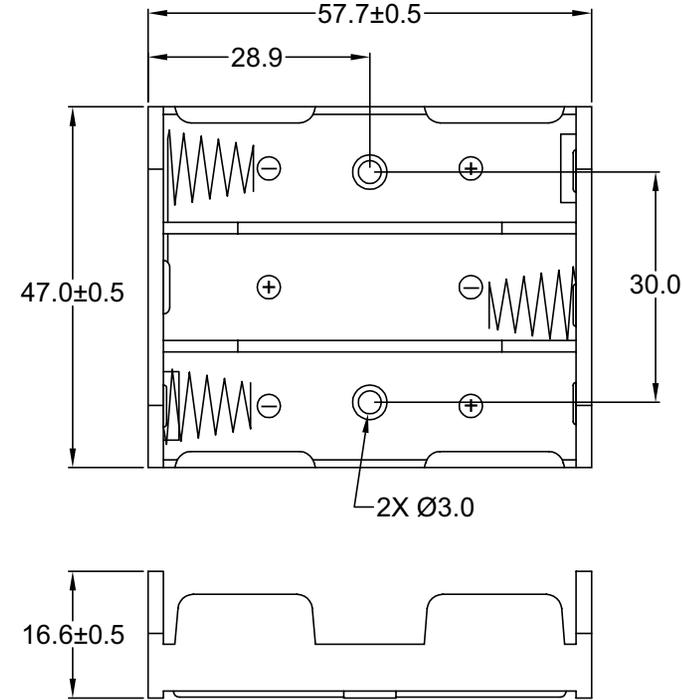
PDSN-21C: Brass, Nickel plated

PDSN-21D: Steel, Nickel plated

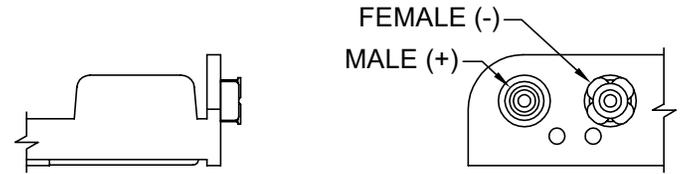
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

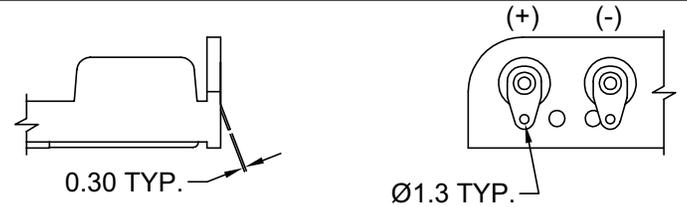
Operating temperature: -5°C to +83°C



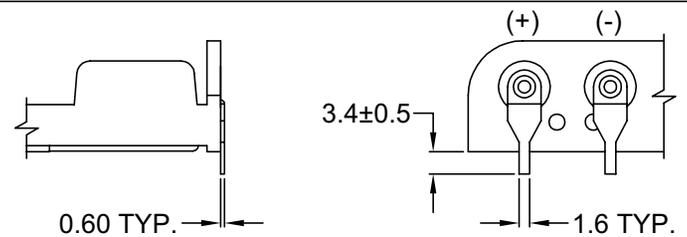
PDSN-21A WIRE LEADS



PDSN-21B SNAP TERMINAL



PDSN-21C SOLDER LUGS



PDSN-21D PCB PINS

REV	DATE	CHANGE	CHNG		CHK		APPR			
			SLS	TD	SLS	TD	LH	SS	TD	PB
A	6/98	DIM 30.0 WAS 27.0	SLS	TD	SLS	TD	LH	SS	TD	PB
B	10/99	UPDATE DWG & ADD TOL.	TD	PB	TD	PB	JJ	JJ	JJ	PB
C	7/10/00	UPDATED DRAWING	TD	PB	TD	PB	JJ	JJ	JJ	PB
D	04/05/02	REVISED / UPDATED	TD	PB	TD	PB	JJ	JJ	JJ	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
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS		1 of 1
SCALE: NTS			REV: D

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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

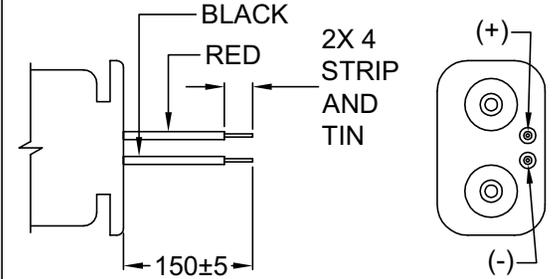
PDSN-22C: Brass, Nickel plated

PDSN-22D: Steel, Nickel plated

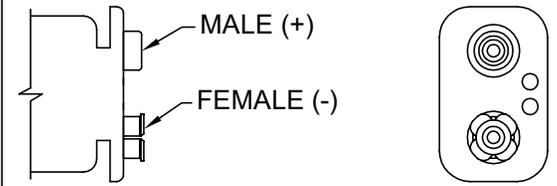
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

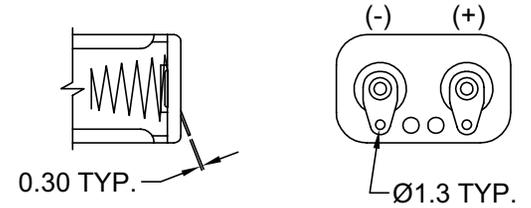
Operating temperature: -5°C to +83°C



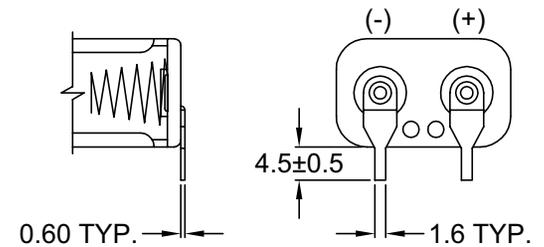
PDSN-22A WIRE LEADS



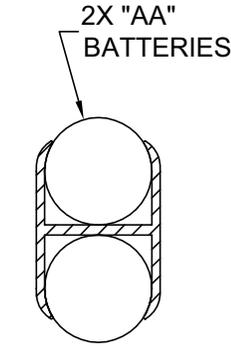
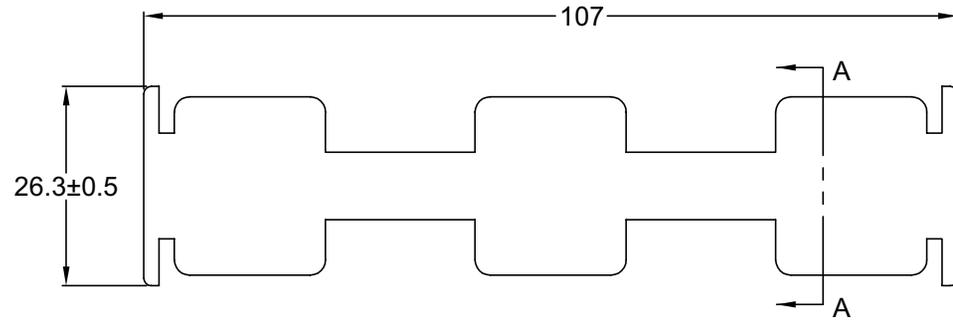
PDSN-22B SNAP TERMINAL



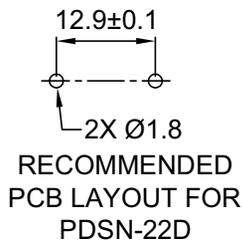
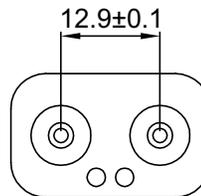
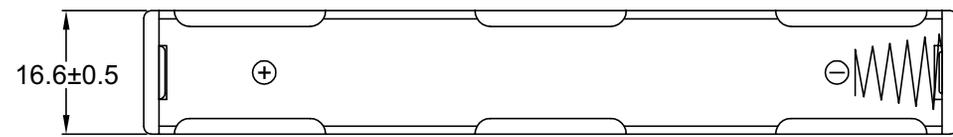
PDSN-22C SOLDER LUGS



PDSN-22D PCB PINS



SECTION A-A



RECOMMENDED PCB LAYOUT FOR PDSN-22D

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:	04/05/02
CHECK BY	TD	DATE:	04/24/02
APPR BY	PB	DATE:	04/24/02

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

D

C

B

A

REV	DATE	CHNG	CHK	APPR

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MATERIAL AND FINISH

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

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

Contact & terminals:

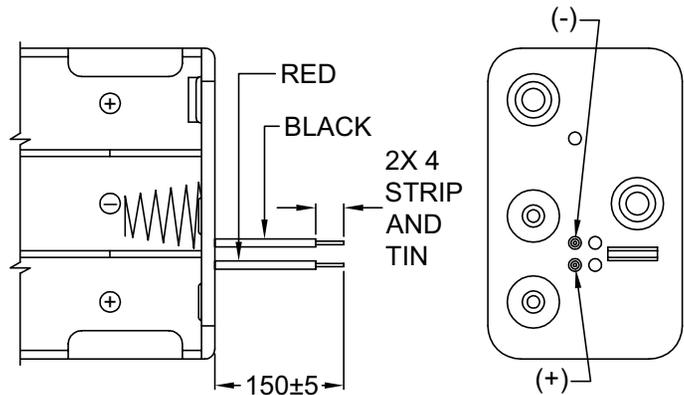
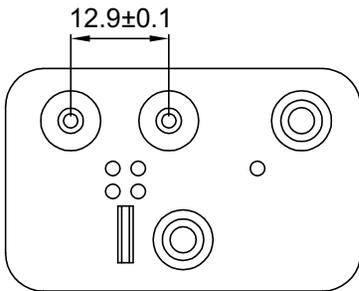
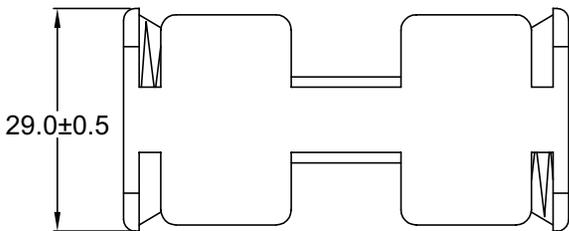
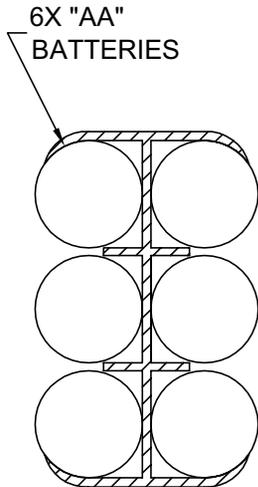
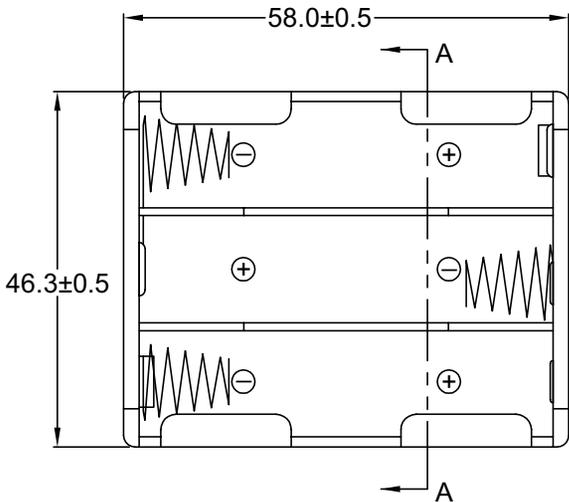
PDSN-23B: Brass, Nickel plated

PDSN-23C: Brass, Nickel plated

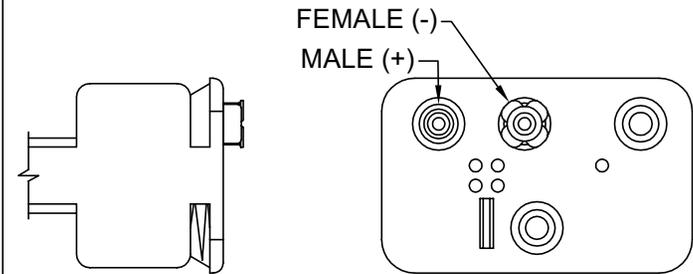
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

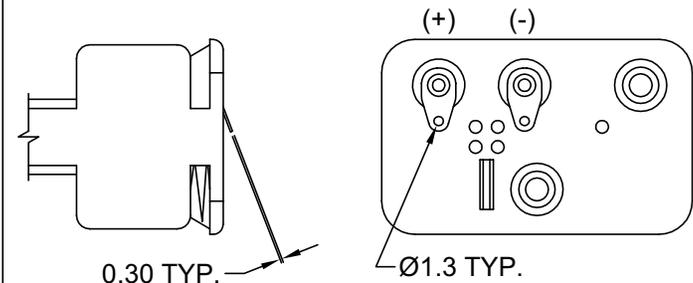
Operating temperature: -5°C to +83°C



PDSN-23A WIRE LEADS



PDSN-23B SNAP TERMINAL



PDSN-23C SOLDER LUGS

REVISIONS	CHNG	CHK	APPR
	DATE	04/16/02	
	REV	A	
	BY		
CHANGE	REVIS	UPD	TD
REVIS	UPD	TD	PB

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

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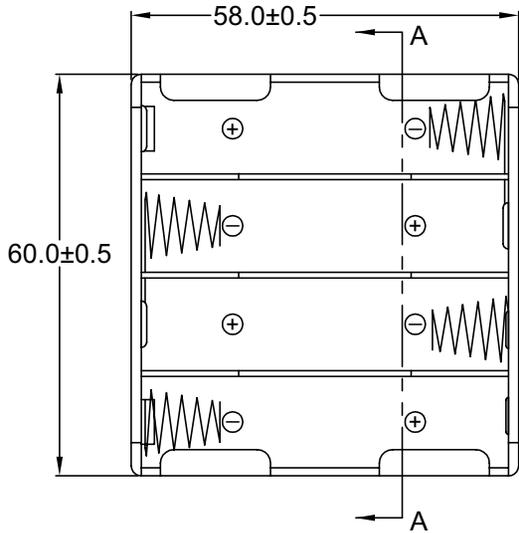
1

MATERIAL AND FINISH

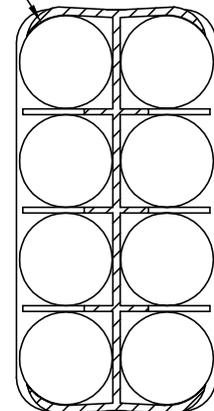
Insulator: Impact resistance Polypropylene, black, UL-94V-HB rated
 PDSN-26A (wire leads): PVC, 26 AWG
 Contact & terminals:
 PDSN-26B: Brass, Nickel plated
 PDSN-26C: Brass, Nickel plated

Spring: Spring Steel, Nickel plated imbedded in Polypropylene

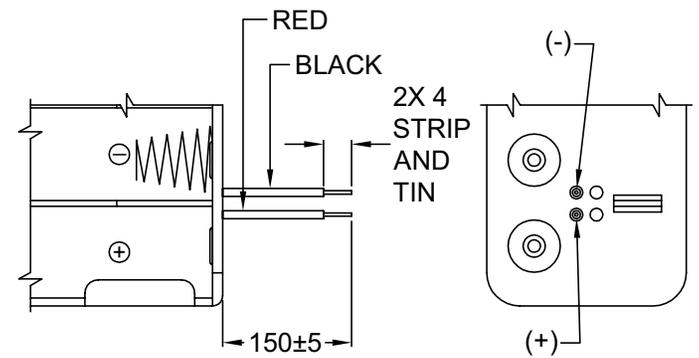
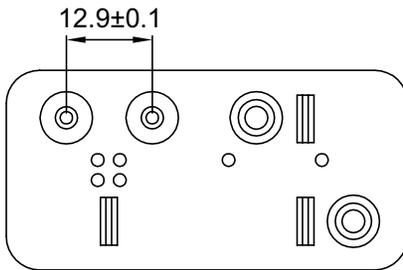
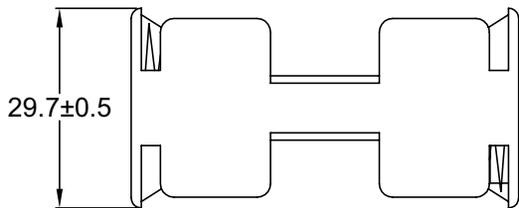
ENVIRONMENTAL:
 Operating temperature: -5°C to +83°C



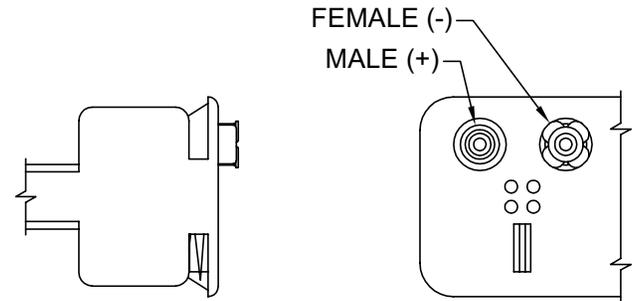
8X "AA" BATTERIES



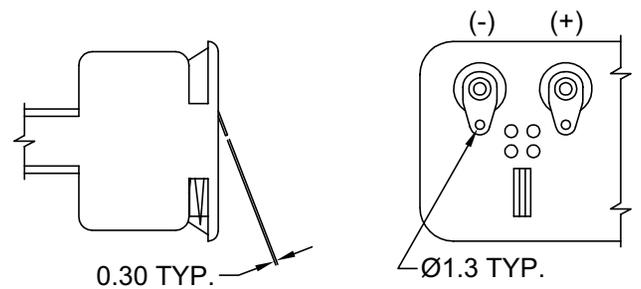
SECTION A-A



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

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

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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

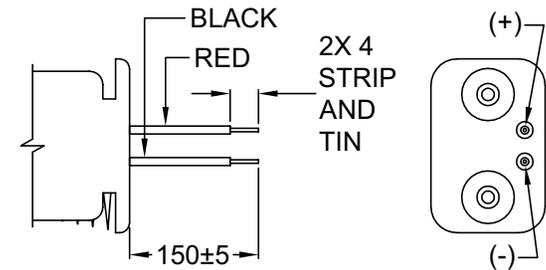
PDSN-36-2C: Brass, Nickel plated

PDSN-36-2D: Steel, Nickel plated

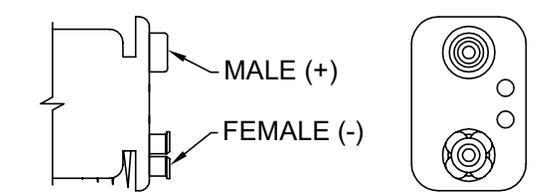
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

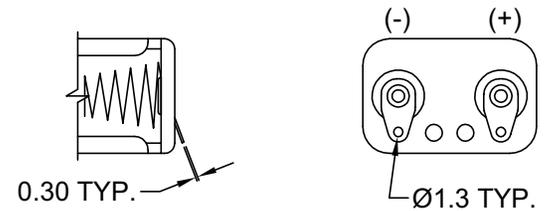
Operating temperature: -5°C to +83°C



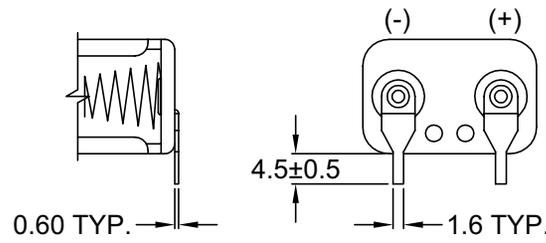
PDSN-36-2A WIRE LEADS



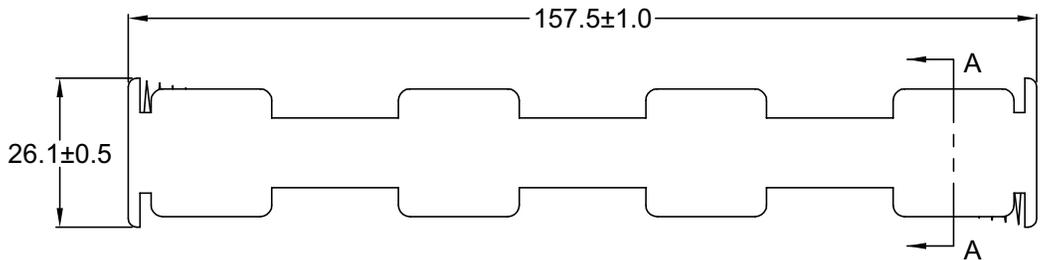
PDSN-36-2B SNAP TERMINAL



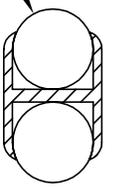
PDSN-36-2C SOLDER LUGS



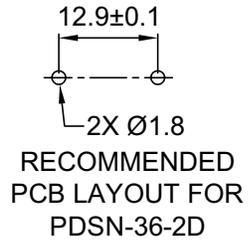
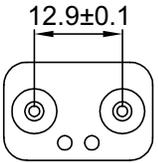
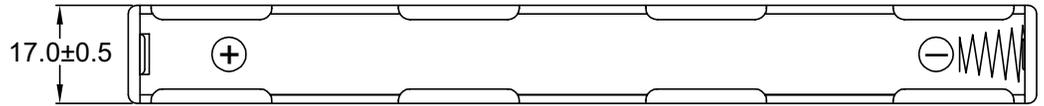
PDSN-36-2D PCB PINS



2X "AA" BATTERIES



SECTION A-A



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		

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MATERIAL AND FINISH

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

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

Contact & terminals:

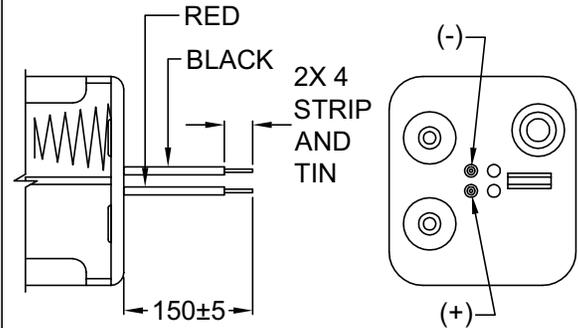
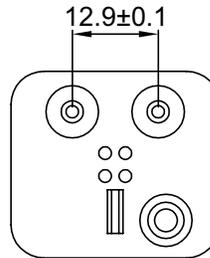
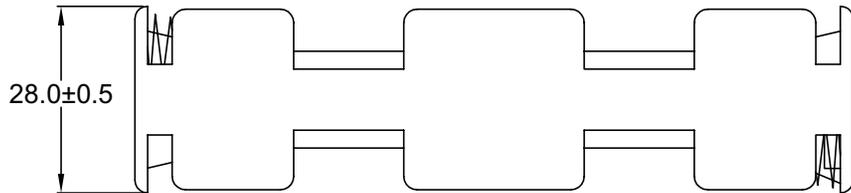
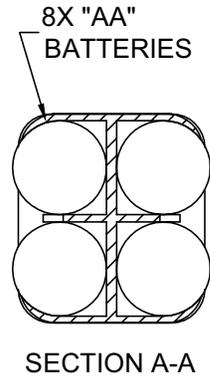
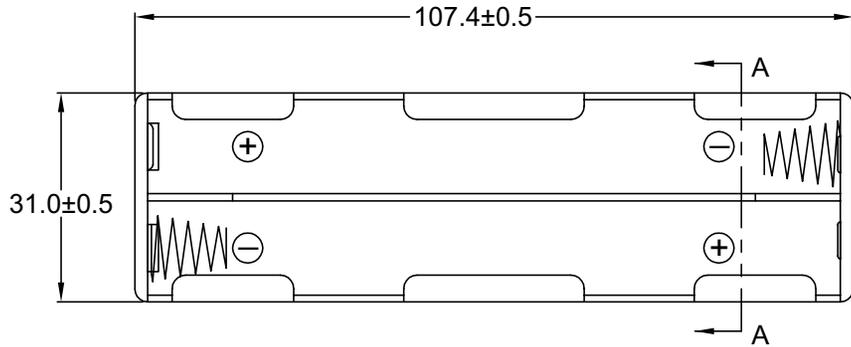
PDSN-38-2B: Brass, Nickel plated

PDSN-38-2C: Brass, Nickel plated

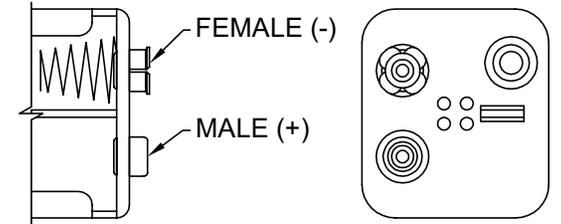
Spring: Spring Steel, Nickel plated imbedded in Polypropylene

ENVIRONMENTAL:

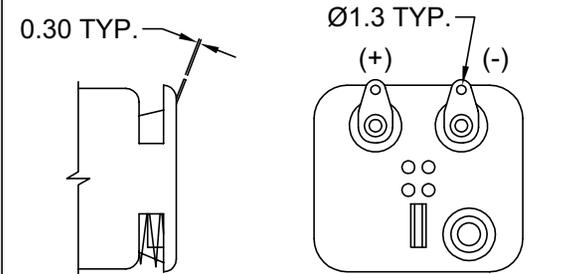
Operating temperature: -5°C to +83°C



PDSN-38-2A WIRE LEADS



PDSN-38-2B SNAP TERMINAL



PDSN-38-2C SOLDER LUGS

REV	DATE	CHANGE	CHNG	CHK	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

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3

2

1