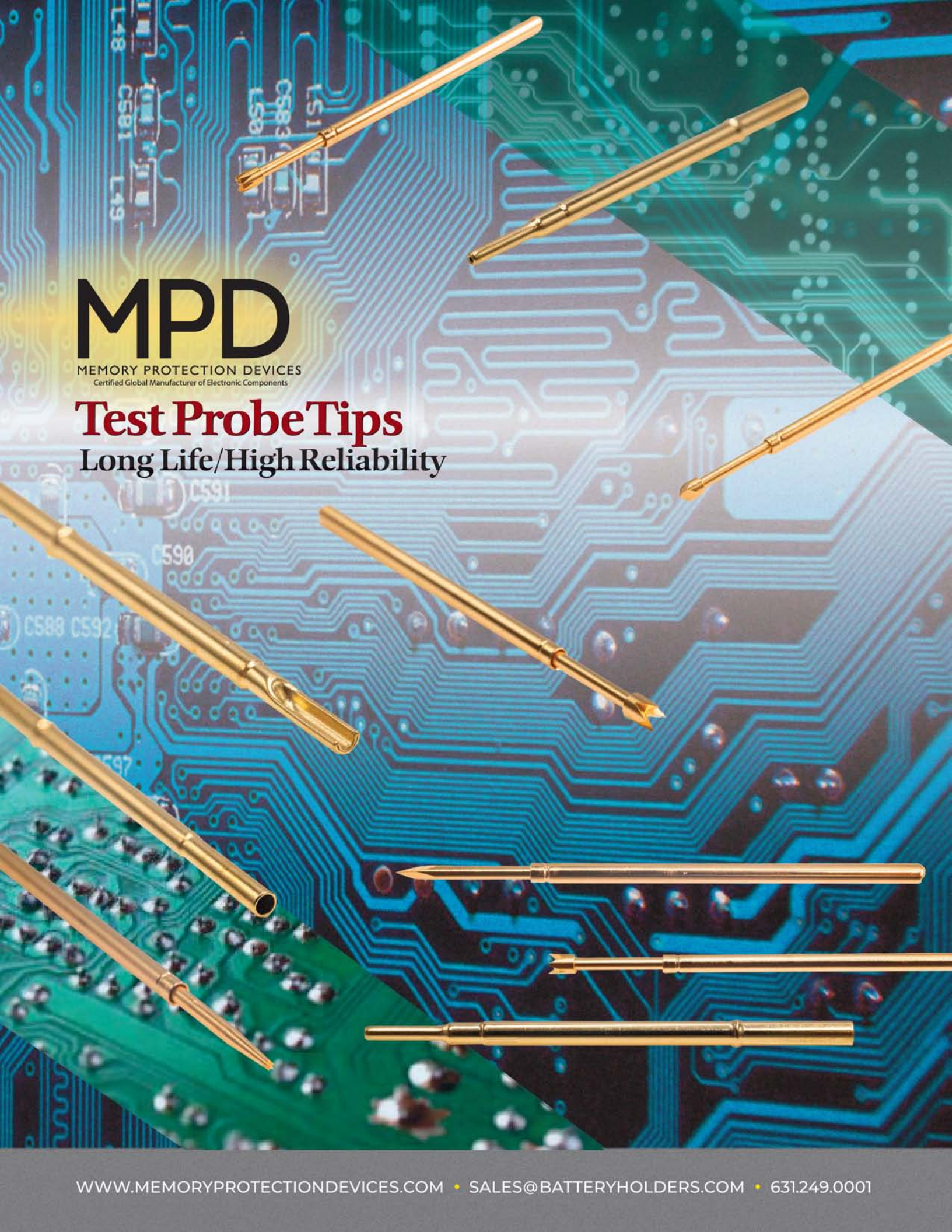

MPD
MEMORY PROTECTION DEVICES
Certified Global Manufacturer of Electronic Components
Test Probe Tips
Long Life/High Reliability
WWW.MEMORYPROTECTIONDEVICES.COM • SALES@BATTERYHOLDERS.COM • 631.249.0001

MPD introduces a new line of High-Durability Contact Probes.

Our High-Performance Contact Probes are Built to Last Over 1 Million Cycles!

Memory Protection Devices Inc. (MPD), a global leader in high-reliability electronic components, is proud to announce the launch of its latest innovation: **Contact Probes** engineered for PCB testing and automated test equipment (ATE) applications.

Boost Your Testing Accuracy and Longevity

Whether you're running large-scale production or developing new PCBs, MPD's probes deliver the durability and performance needed for modern electronics manufacturing. By switching to our long-life contact probes, engineers and manufacturers will benefit by reducing downtime and maintenance costs while increasing testing efficiency.

Product Overview

Contact probes – also known as spring-loaded pins or pogo pins, are vital tools used in quality control process for printed circuit boards (PCBs). These precision-engineered components are designed to temporarily establish an electrical connection between a test system and PCB test points without soldering or permanent attachment.

Intended Use

MPD's contact probes ensure reliable electric contact with minimal signal loss, even after extensive repetitive use making them ideal for:

- **ICT (In-Circuit Testing)**
- **Functional Testing of Assembled PCBs**
- **Test Fixtures for Mass Production Lines**
- **Burn-in Testing**
- **Semiconductor Testing Applications**

How They Work in PCB Testing

During the testing phase, these spring-loaded probes are mounted into a test fixture. The fixture is then aligned with the PCB, pressing the probes against specific test pads or vias. As the spring compresses, the probe creates a secure and consistent contact, allowing test signals to pass through and verify circuit functionality, continuity, and signal integrity.

Superior Construction Materials

Exceptional durability and precision engineering *set MPD's contact probes apart.*

- **Plunger:** Hardened Tool Steel with Gold Plating – ensuring corrosion resistance and optimal conductivity.
- **Spring:** Piano Wire with Gold Plating – for consistent mechanical performance and low signal resistance.
- **Barrel:** Phosphorous Bronze with Gold Plating – providing superior strength and wear resistance.

This tri-material combination results in contact probes that **outlast the competition** with **over 1 million tested strokes**, far surpassing the industry standard of just 100,000.

Why Choose MPD Contact Probes?

- **Tested for 1,000,000+ cycles** – 10x the industry standard
- **Reliable contact and low resistance**
- **Gold plating on all components for long-lasting corrosion resistance**
- **Ideal for high-throughput, high-precision testing environments**
- **Globally available and fully RoHS compliant**

Contact your MPD representative today or visit www.memoryprotectiondevices.com to learn more and request free samples!

MPD
MEMORY PROTECTION DEVICES
Certified Global Manufacturer of Electronic Components

Memory Protection Devices Inc.
Precision Made. Performance Proven.

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-22NL
- PTS-2NL
- PTF-2L

MECHANICAL PROPERTIES
- MINIMUM PITCH: 2.54MM(0.100IN)
- FULL STROKE: 6.4MM(0.252IN)
- WORKING STROKE: 4.2MM(0.165IN)

SPRING FORCES
- INITIAL SPRING LOAD: .59N(61GF)
- 2/3 STROKE LOAD: 2.16N(220GF)

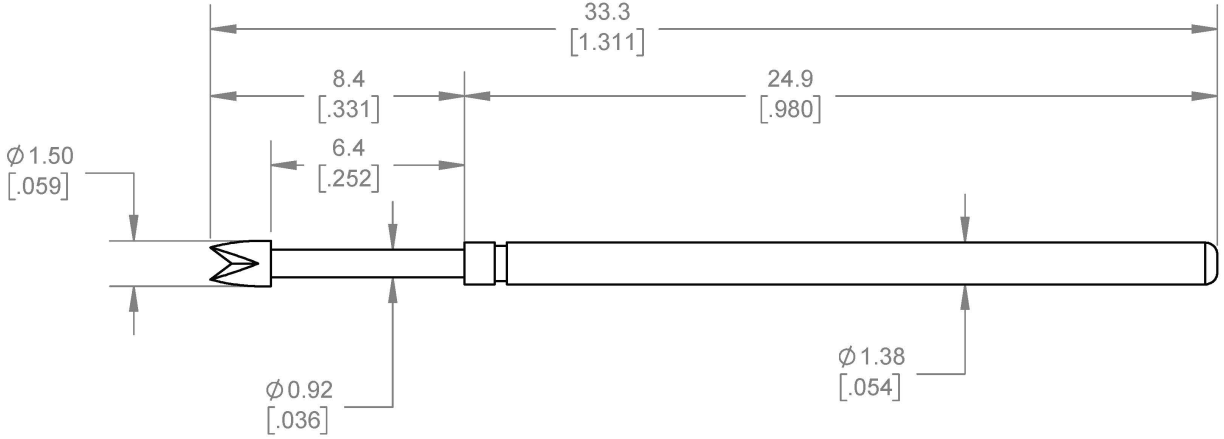
MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

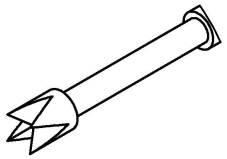
ELECTRICAL PROPERTIES
- 5A MAX CURRENT

Rated for 1,000,000 Insertions
10X more than Industry Standard 100,000

REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	REVISED BY
-	-	A	INITIAL RELEASE	7/24/2026	-







ISO VIEW
TIP SHAPE

APPROVALS	DATE
DRAWN JV	7/24/2026
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MEMORY PROTECTION DEVICES, INC.
Certified Global Manufacturer of Electronic Components
200 Broadhollow Road, Suite 4
Farmingdale, NY 11735
(631) 249-0001 / Fax (631) 249-0002
www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-2L Series_4-Point Crown_Medium

SIZE	DWG NO.	REV
A	MPD-PTP-2M2L-3GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-22NL
- PTS-2NL
- PTF-2L

MECHANICAL PROPERTIES
- MINIMUM PITCH: 2.54MM(0.100IN)
- FULL STROKE: 6.4MM(0.252IN)
- WORKING STROKE: 4.2MM(0.165IN)

SPRING FORCES
- INITIAL SPRING LOAD: .59N(61GF)
- 2/3 STROKE LOAD: 2.16N(220GF)

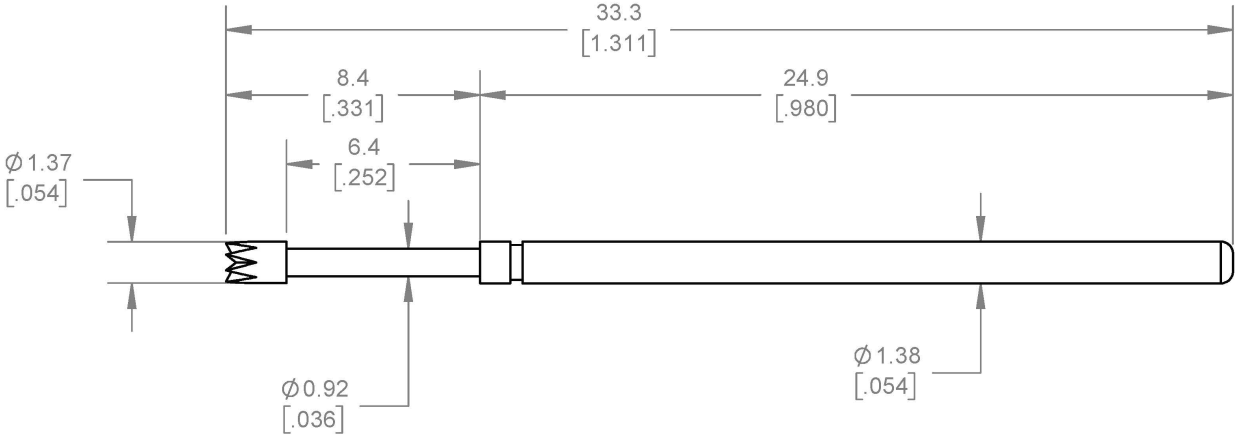
MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

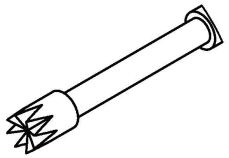
ELECTRICAL PROPERTIES
- 5A MAX CURRENT

Rated for 1,000,000 Insertions
10X more than Industry Standard 100,000

REVISIONS					
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Farmingdale, NY 11735
(631) 249-0001 / Fax (631) 249-0002
www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-2L Series_8-Point Crown_Medium

SIZE	DWG NO.	REV
A	MPD-PTP-2MKB2L-3GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-22NL
- PTS-2NL
- PTF-2L

MECHANICAL PROPERTIES
- MINIMUM PITCH: 2.54MM(0.100IN)
- FULL STROKE: 6.4MM(0.252IN)
- WORKING STROKE: 4.2MM(0.165IN)

SPRING FORCES
- INITIAL SPRING LOAD: .59N(61GF)
- 2/3 STROKE LOAD: 2.16N(220GF)

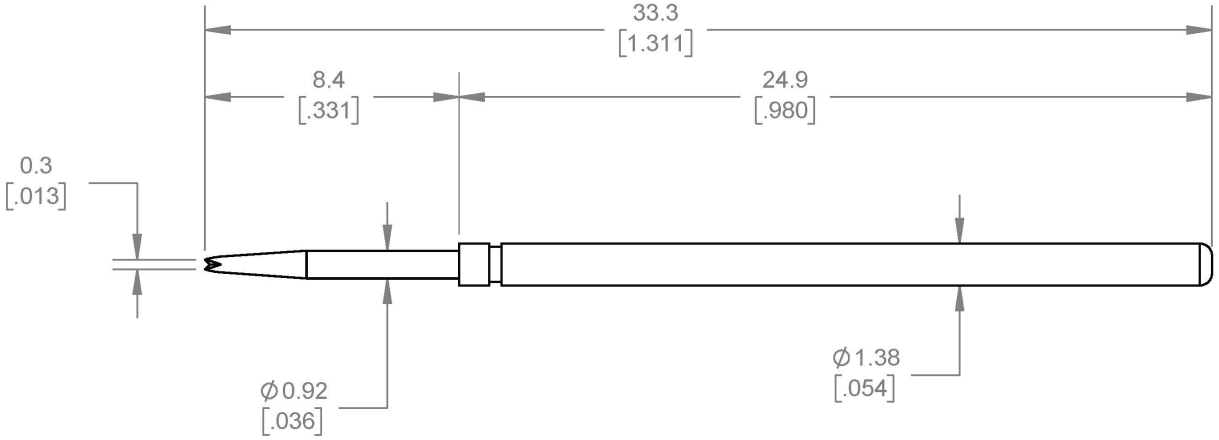
MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

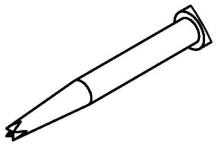
ELECTRICAL PROPERTIES
- 5A MAX CURRENT

Rated for 1,000,000 Insertions
10X more than Industry Standard 100,000

REVISIONS					
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www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-2L Series_3-Point Crown_Narrow

SIZE	DWG NO.	REV
A	MPD-PTP-2N1LM-3GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-22NL
- PTS-2NL
- PTF-2L

MECHANICAL PROPERTIES
- MINIMUM PITCH: 2.54MM(0.100IN)
- FULL STROKE: 6.4MM(0.252IN)
- WORKING STROKE: 4.2MM(0.165IN)

SPRING FORCES
- INITIAL SPRING LOAD: .59N(61GF)
- 2/3 STROKE LOAD: 2.16N(220GF)

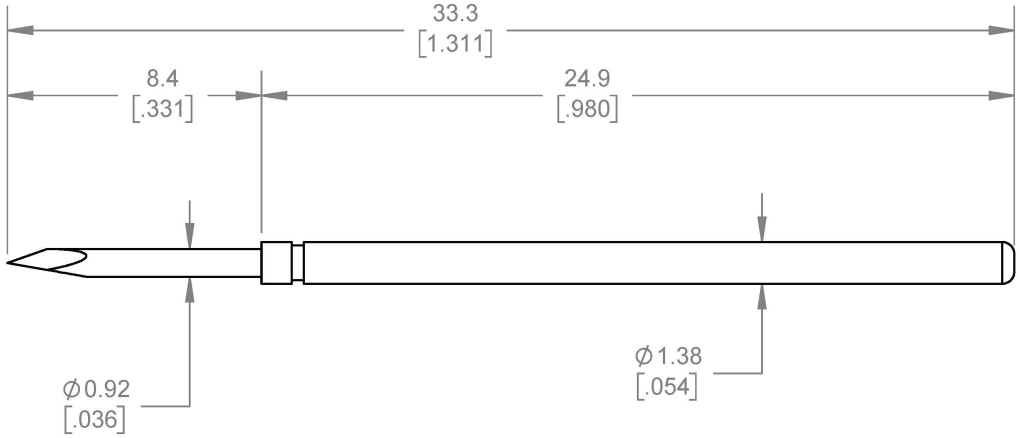
MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

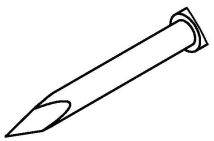
ELECTRICAL PROPERTIES
- 5A MAX CURRENT

Rated for 1,000,000 Insertions
10X more than Industry Standard 100,000

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Farmingdale, NY 11735
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www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-2L Series_Triangular Pyramid_Small

SIZE	DWG NO.	REV
A	MPD-PTP-2P1L-3GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-22NL
- PTS-2NL
- PTF-2L

MECHANICAL PROPERTIES
- MINIMUM PITCH: 2.54MM(0.100IN)
- FULL STROKE: 6.4MM(0.252IN)
- WORKING STROKE: 4.2MM(0.165IN)

SPRING FORCES
- INITIAL SPRING LOAD: .59N(61GF)
- 2/3 STROKE LOAD: 2.16N(220GF)

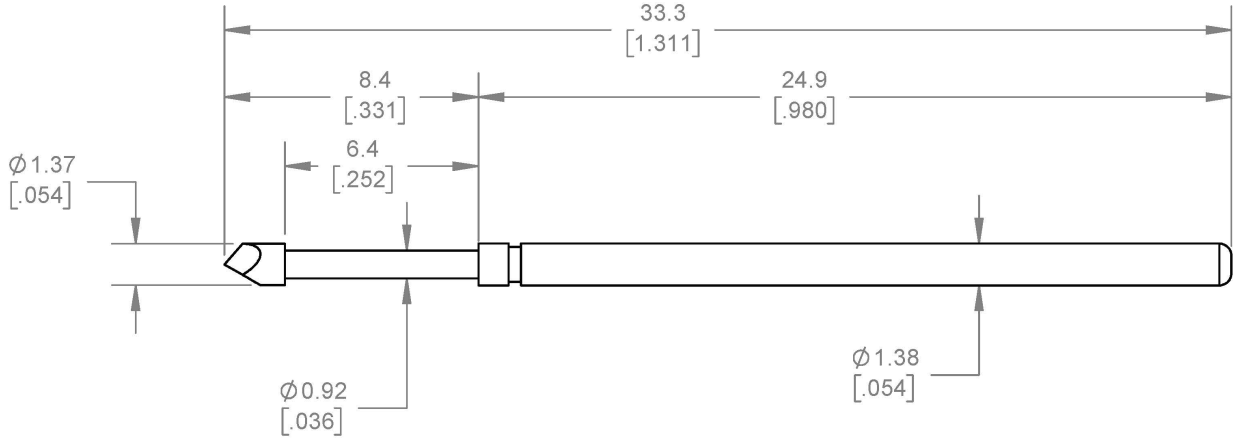
MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

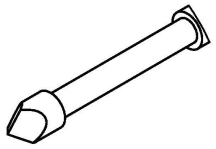
ELECTRICAL PROPERTIES
- 5A MAX CURRENT

Rated for 1,000,000 Insertions
10X more than Industry Standard 100,000

REVISIONS					
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Farmingdale, NY 11735
(631) 249-0001 / Fax (631) 249-0002
www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-2L Series_Triangular Pyramid_Medium

SIZE	DWG NO.	REV
A	MPD-PTP-2P2L-3GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-22NL
- PTS-2NL
- PTF-2L

MECHANICAL PROPERTIES
- MINIMUM PITCH: 2.54MM(0.100IN)
- FULL STROKE: 6.4MM(0.252IN)
- WORKING STROKE: 4.2MM(0.165IN)

SPRING FORCES
- INITIAL SPRING LOAD: .59N(61GF)
- 2/3 STROKE LOAD: 2.16N(220GF)

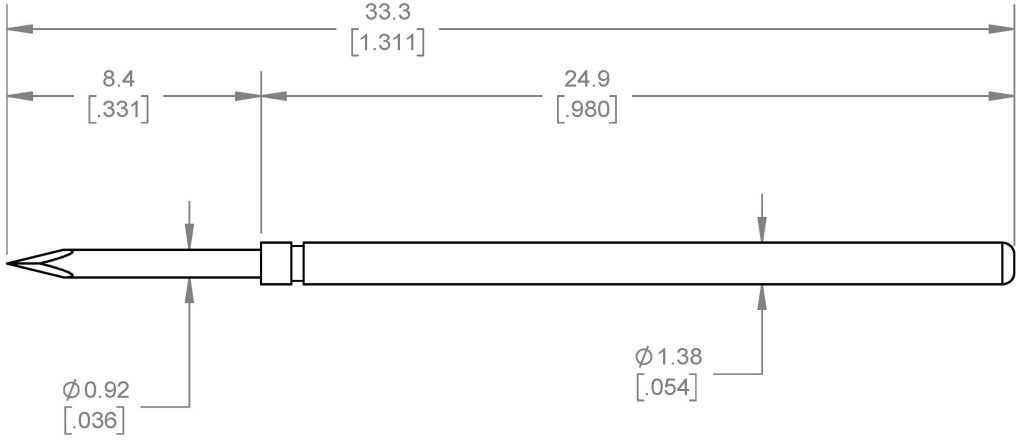
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- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

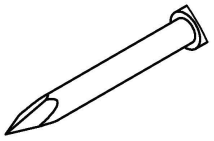
ELECTRICAL PROPERTIES
- 5A MAX CURRENT

Rated for 1,000,000 Insertions
10X more than Industry Standard 100,000

REVISIONS					
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Farmingdale, NY 11735
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TITLE: Pogo Pins
PTP-2L Series_Knife Edge

SIZE	DWG NO	REV
A	MPD-PTP-2PE1L-3GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-22NL
- PTS-2NL
- PTF-2L

MECHANICAL PROPERTIES
- MINIMUM PITCH: 2.54MM(0.100IN)
- FULL STROKE: 6.4MM(0.252IN)
- WORKING STROKE: 4.2MM(0.165IN)

SPRING FORCES
- INITIAL SPRING LOAD: .59N(61GF)
- 2/3 STROKE LOAD: 2.16N(220GF)

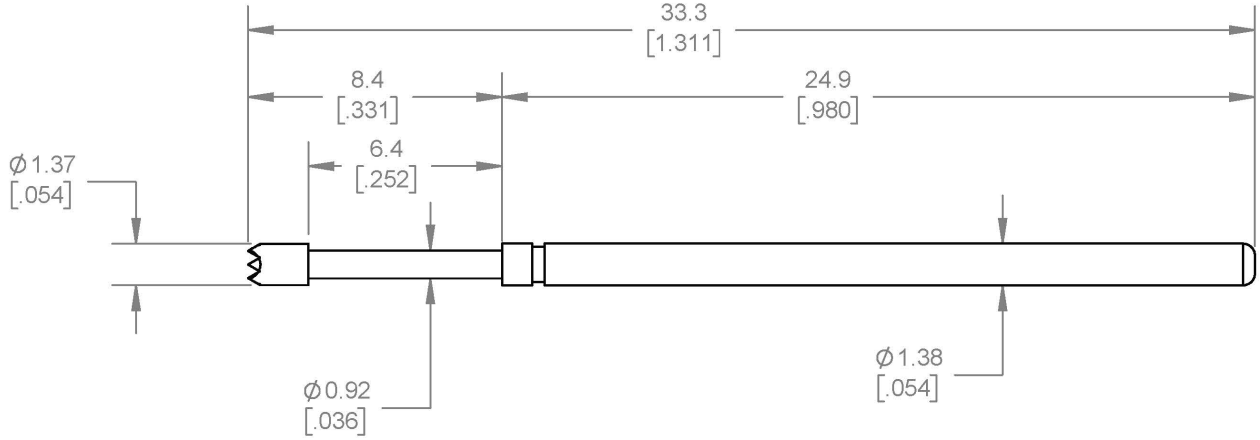
MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

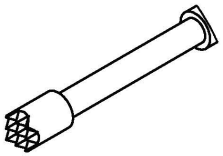
ELECTRICAL PROPERTIES
- 5A MAX CURRENT

Rated for 1,000,000 Insertions
10X more than Industry Standard 100,000

REVISIONS					
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Certified Global Manufacturer of Electronic Components
200 Broadhollow Road, Suite 4
Farmingdale, NY 11735
(631) 249-0001 / Fax (631) 249-0002
www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-2L Series_Waffle Tip_Small

SIZE	DWG NO.	REV
A	MPD-PTP-2W2BL-3GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-22NL
- PTS-2NL
- PTF-2L

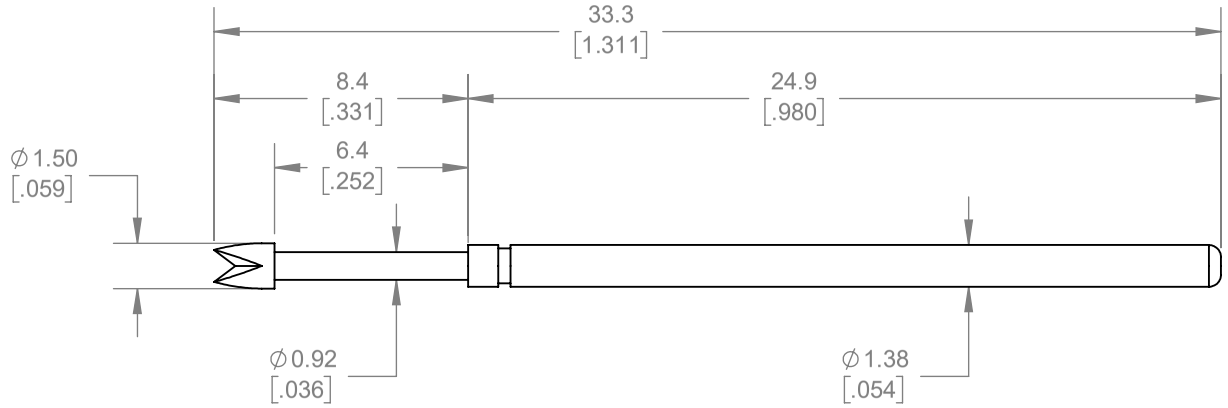
MECHANICAL PROPERTIES
- MINIMUM PITCH: 2.54MM(0.100IN)
- FULL STROKE: 6.4MM(0.252IN)
- WORKING STROKE: 4.2MM(0.165IN)

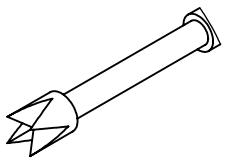
SPRING FORCES
- INITIAL SPRING LOAD: .53N(55GF)
- 2/3 STROKE LOAD: 1.51N(154GF)

MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

ELECTRICAL PROPERTIES
- 5A MAX CURRENT

REVISIONS					
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(631) 249-0001 / Fax (631) 249-0002
www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-2L Series_4-Point Crown_Medium

SIZE	DWG NO.	REV
A	MPD-PTP-2M2L-2GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-22NL
- PTS-2NL
- PTF-2L

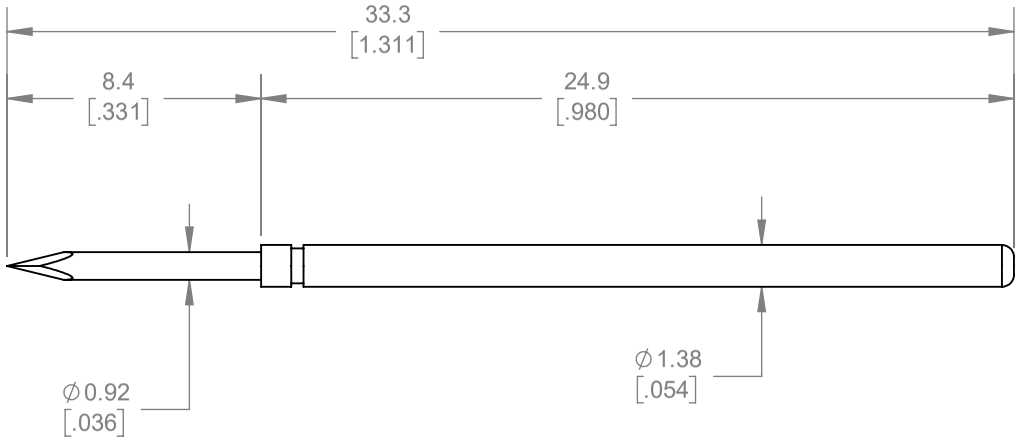
MECHANICAL PROPERTIES
- MINIMUM PITCH: 2.54MM(0.100IN)
- FULL STROKE: 6.4MM(0.252IN)
- WORKING STROKE: 4.2MM(0.165IN)

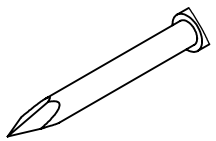
SPRING FORCES
- INITIAL SPRING LOAD: .53N(55GF)
- 2/3 STROKE LOAD: 1.51N(154GF)

MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

ELECTRICAL PROPERTIES
- 5A MAX CURRENT

REVISIONS					
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www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-2L Series_Knife Edge

SIZE	DWG NO.	REV
A	MPD-PTP-2PE1L-2GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-256_PB
- PTS-256B_PB
- PTS-256WOC
- PTS-256BWOC
- PTF-256OPB

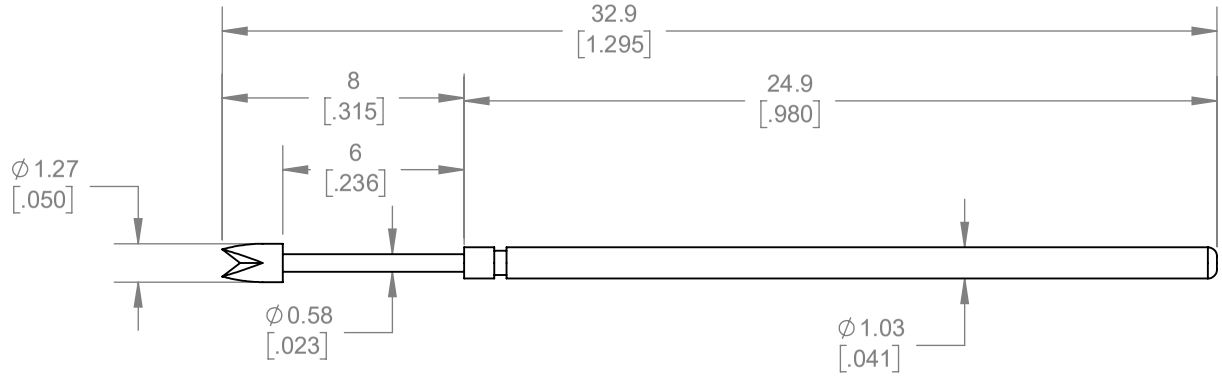
MECHANICAL PROPERTIES
- MINIMUM PITCH: 1.78MM(0.075IN)
- FULL STROKE: 6.0MM(0.236IN)
- WORKING STROKE: 4.0MM(0.157IN)

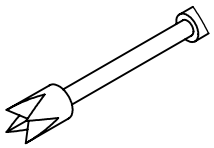
SPRING FORCES
- INITIAL SPRING LOAD: .68N(70GF)
- 2/3 STROKE LOAD: 1.63N(166GF)

MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

ELECTRICAL PROPERTIES
- 5A MAX CURRENT

REVISIONS					
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200 Broadhollow Road, Suite 4
Farmingdale, NY 11735
(631) 249-0001 / Fax (631) 249-0002
www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-256 Series_4-Point Crown_Medium

SIZE	DWG NO.	REV
A	MPD-PTP-256M2-2GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

NOTES

COMPATABLE RECEPTICAL/SOCKETS
- PTS-256_PB
- PTS-256B_PB
- PTS-256WOC
- PTS-256BWOC
- PTF-256OPB

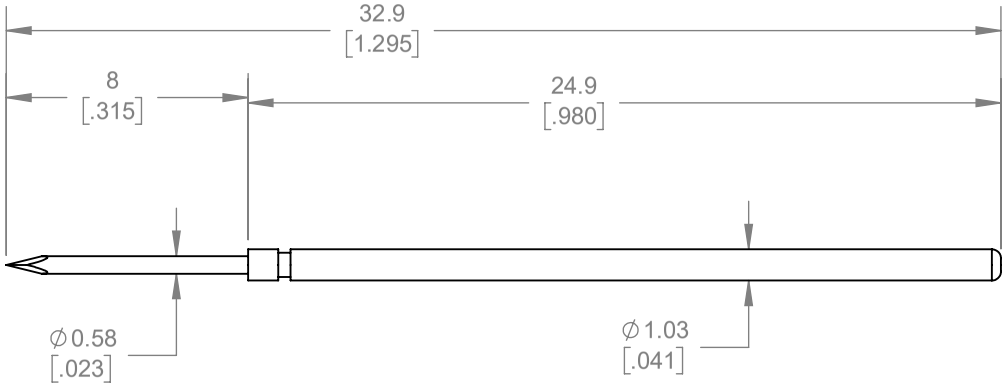
MECHANICAL PROPERTIES
- MINIMUM PITCH: 1.78MM(0.075IN)
- FULL STROKE: 6.0MM(0.236IN)
- WORKING STROKE: 4.0MM(0.157IN)

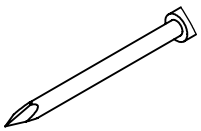
SPRING FORCES
- INITIAL SPRING LOAD: .68N(70GF)
- 2/3 STROKE LOAD: 1.63N(166GF)

MATERIALS
- PLUNGER: TOOL STEEL/ GOLD PLATE
- SPRING: PIANO WIRE/ GOLD PLATE
- BARREL: PHOSPHOROUS BRONZE/ GOLD PLAT

ELECTRICAL PROPERTIES
- 5A MAX CURRENT

REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	REVISED BY
-	-	A	INITIAL RELEASE	7/24/2026	-





ISO VIEW
TIP SHAPE

APPROVALS	DATE
DRAWN JV	7/24/2026
CHECKED	

DO NOT SCALE DRAWING

MEMORY PROTECTION DEVICES, INC.
Certified Global Manufacturer of Electronic Components
200 Broadhollow Road, Suite 4
Farmingdale, NY 11735
(631) 249-0001 / Fax (631) 249-0002
www.memoryprotectiondevices.com

TITLE: Pogo Pins
PTP-256 Series_Knife Edge

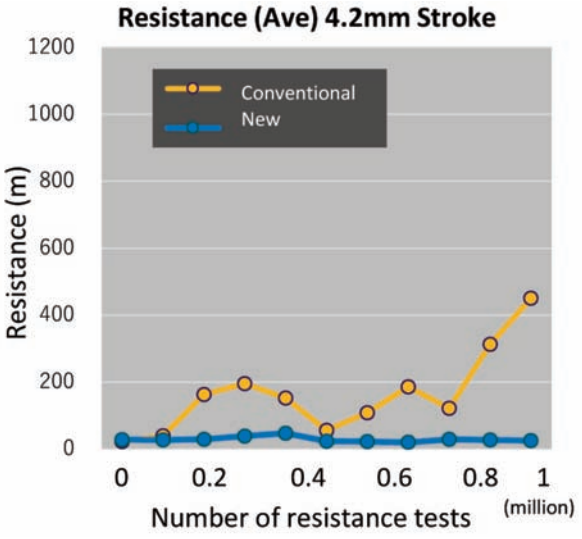
SIZE	DWG NO.	REV
A	MPD-PTP-256PE1-2GA	A

SCALE: 4:1 SHEET: 1 OF 1

5 4 3 2 1

Electrical Resistance (PTP2L)

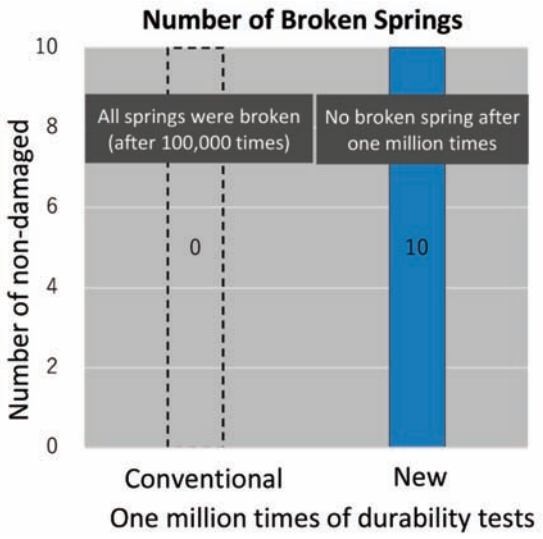
Standard Stroke 4.2 mm



Contact Surface	Solder Surface *
Stroke Amount	4.2 mm (Standard Stroke)
Number of Durability Tests	One Million Times **

Springs Durability (PTP2L)

Over Stroke 6.0 mm



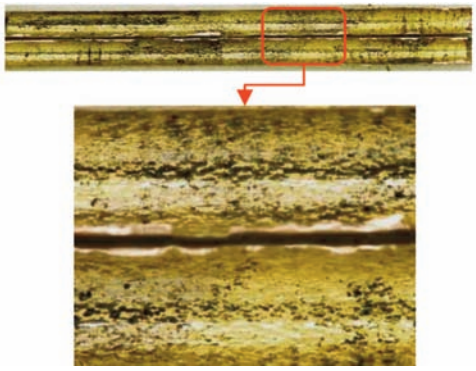
Contact Surface	Solder Surface
Stroke Amount	6.0 mm (Over Stroke)
Number of Durability Tests	One Million Times

* *Solder surface when testing and measuring*
** *Data collected after every 100,000 times.*

Comparison of Inside Barrel Abrasion (PTP2L)

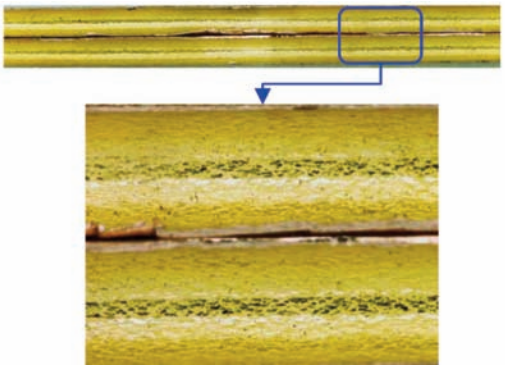
Enlarged pictures of inside of the barrel after the durability test

Test Results for Conventional Model



Contact Surface	Solder Surface
Stroke Amount	4.2 mm (Standard Stroke)
Number of Durability Tests	One Million Times

Test Results for Redesigned Model



Abrasion has been Significantly Reduced.

* *All data has been collected under our strict controlled conditions. Results may vary under different circumstances.*

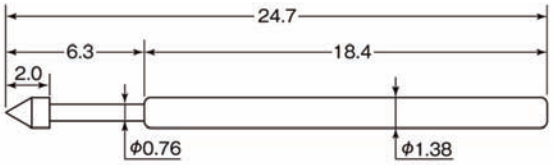
MPD-PTP-2 Series

PITCH 2.54 mm 100 mil

- Full Stroke 4.3 mm
- Recommended Working Stroke 2.8 mm
- Electrical Current Rating 5A

Probe Specifications

* K model is 25.7



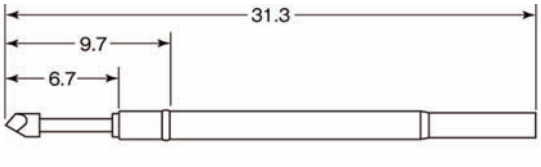


PTP-2P2L

Assembled Diagram

Example: Probe PTP-2P2
Socket PTS-2NO

* K model is 32.3





PTP-2P2L

Product Name: PTS-2 ■ – ■ GA

Material: Plunger – Steel/Gold Plating
Spring – Piano Wire/Gold Plating
Barrel – Phosphorous Bronze/Gold Plating

■ Tip Shape

Please select the probe tip shape from table below.

■ Spring Force [Initial Load : Load at 2/3 stroke]

00 – [0.19 (20) : 0.55N (56gf)]
0 – [0.36 (37) : 0.77N (79gf)]
1 – [0.54 (55) : 1.14N (116gf)]
2 – [0.72 (74) : 1.53N (156gf)]
3 – [0.88 (90) : 2.00N (205gf)]

Probe Shaft Dia.	Φ0.76	Φ1.37	Φ1.80	Φ2.00	Φ2.40	Φ3.50
Tip Shapes	C1	C2				
	F1	F2	F3			
		K2	K3			
		MKB2				
		P2	P3			
	R1	R2	R3			
		V2	V3			
	W1A	W2B	W3B	W3BB	W4C	W5E

Head length of K model tip is + 1mm, 7.3mm so Total Length is also + 1mm, 25.7mm.

NOTE: * *Other models are available. Please contact us for details.*
** *The above specifications are subject to change without notice.*

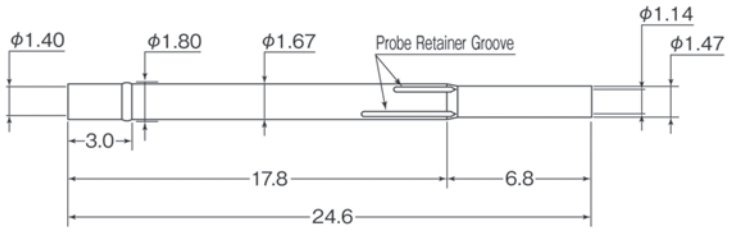
(Dimensions: mm)

PITCH 2.54 mm 100 mil

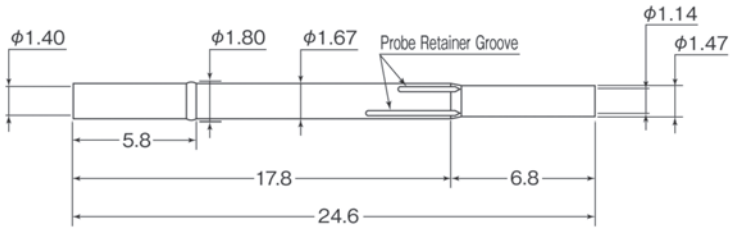
Socket Specifications

Material: Nickel Silver/Gold Plating

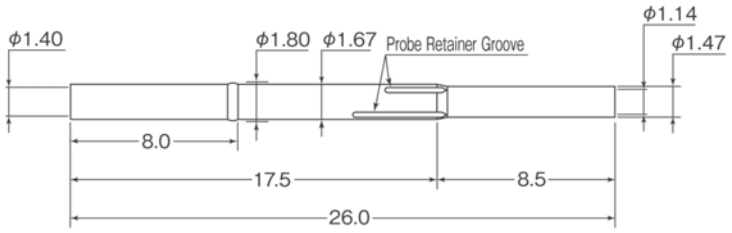
Product Name: PTS-2N■



Product Name: PTS-2■T



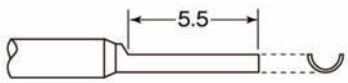
Product Name: PTS-2■M



■ Terminal Shapes

Please select from the following diagrams.

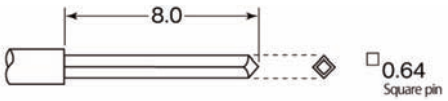
H Solder cup model



O Solder or calking model



W Wire wrapping model



NOTE: * *The above specifications are subject to change without notice.*

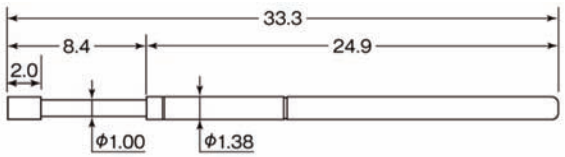
(Dimensions: mm)

PITCH 2.54 mm 100 mil

- Full Stroke 6.4 mm
- Recommended Working Stroke 4.2 mm
- Electrical Current Rating 5A

Probe Specifications

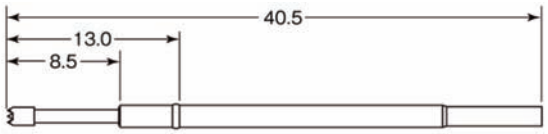
* K model is 34.3



Assembled Diagram

Example: Probe PTP-2W2BL
Socket PTS-2NLO

* K model is 41.7



Product Name: PTP-2■-■GA

Material: Plunger – Steel/Gold Plating
Spring – Piano Wire/Gold Plating
Barrel – Phosphorous Bronze/Gold Plating

■ Tip Shape

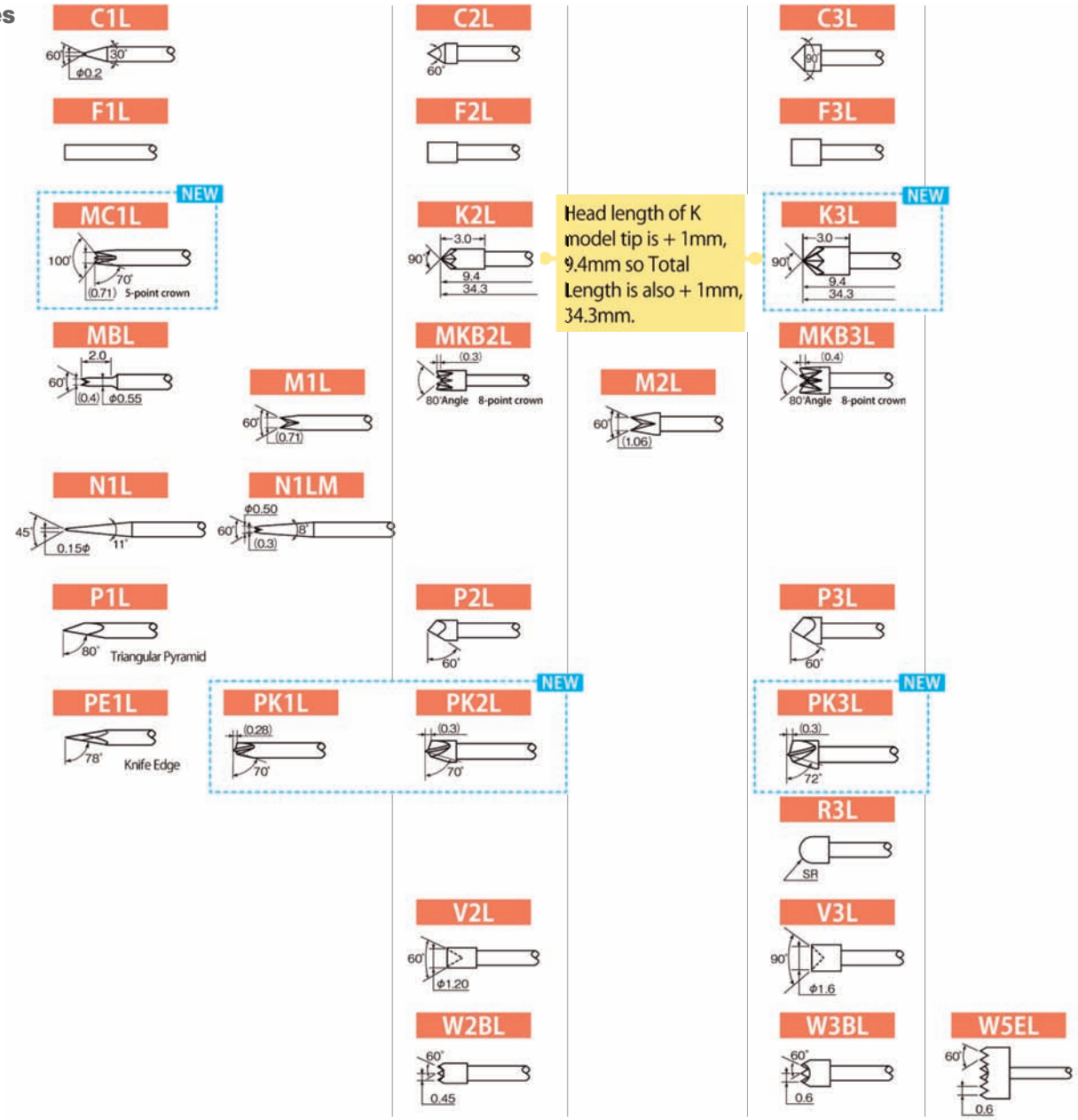
Please select the probe tip shape from table below.

■ Spring Force [Initial Load : Load at 2/3 stroke]

00 – [0.24 (25) : 0.72N (74gf)]
0 – [0.31 (31) : 0.92N (94gf)]
1 – [0.40 (41) : 1.20N (123gf)]
2 – [0.50 (51) : 1.50N (153gf)]
3 – [0.64 (65) : 2.21N (226gf)]

Probe Shaft Dia.	Φ1.00	Φ1.37	Φ1.50	Φ1.80	Φ3.50

Tip Shapes



NOTE: * *Other models are available. Please contact us for details.*
** *The above specifications are subject to change without notice.*

(Dimensions: mm)

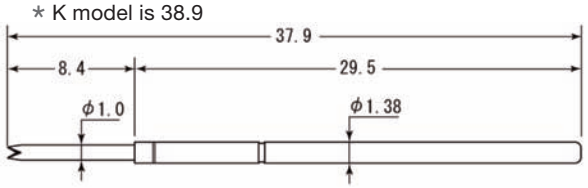
MPD-PTP-2LL Series

PITCH 2.54 mm / 100 mil

- Full Stroke 6.4 mm
- Recommended Working Stroke 4.2 mm
- Electrical Current Rating 5A

Probe Specifications

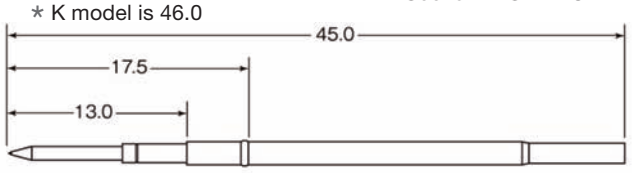
＊ K model is 38.9



Assembled Diagram

Example: Probe PTP-2C1LL
Socket PTS-2NLO

＊ K model is 46.0



Product Name: PTP-2■-■GA

Material: Plunger – Steel/Gold Plating
Spring – Piano Wire/Gold Plating
Barrel – Phosphorous Bronze/Gold Plating

■ Tip Shape

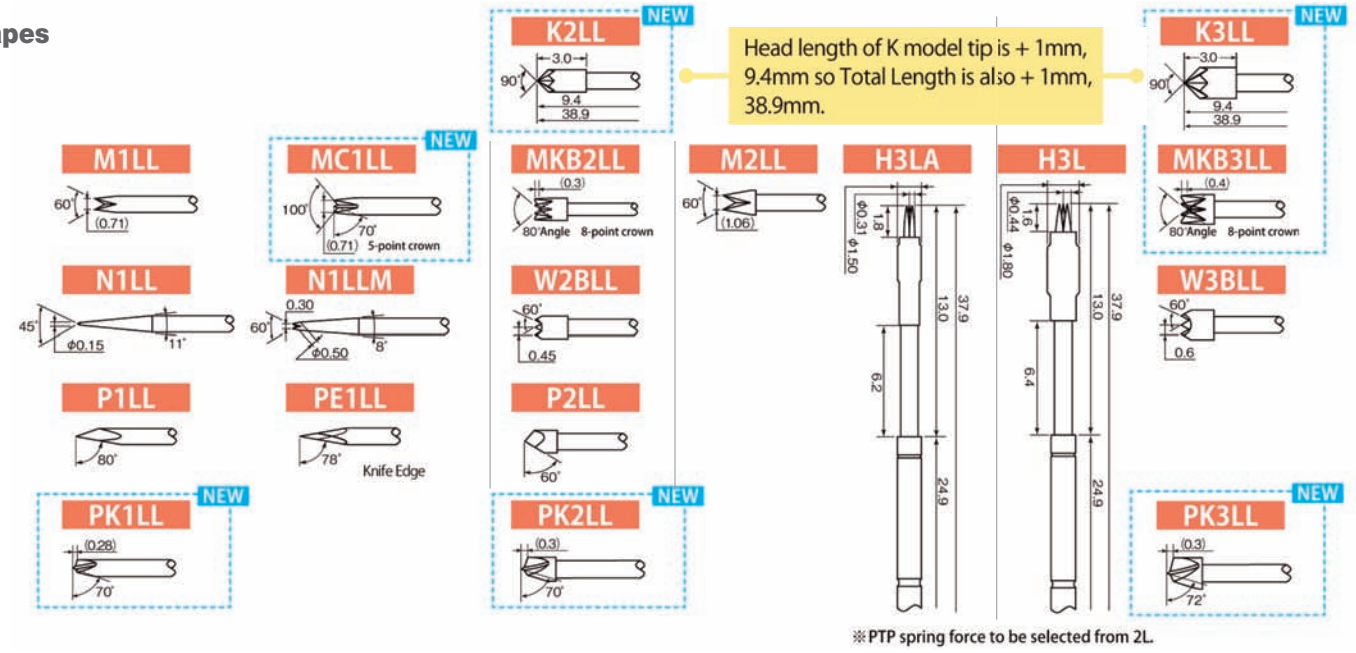
Please select the probe tip shape from table below.

■ Spring Force [Initial Load : Load at 2/3 stroke]

00 – [0.24 (24) : 0.74N (76gf)]
0 – [0.27 (28) : 0.88N (90gf)]
1 – [0.37 (37) : 1.18N (120gf)]
2 – [0.51 (52) : 1.57N (161gf)]
3 – [0.59 (61) : 2.16N (220gf)]

Probe Shaft Dia.	ϕ1.00	ϕ1.37	ϕ1.50	ϕ1.80

Tip Shapes



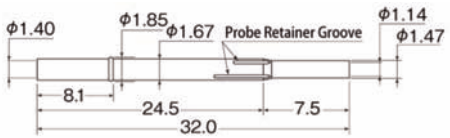
※PTP spring force to be selected from 2L.

Socket Specifications

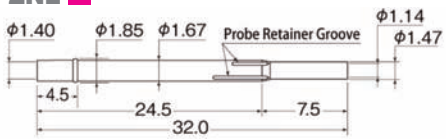
Material: PTS- Nickel Silver/Gold Plating
PTF- Brass/Gold Plating

Common to PTP 2L and 2LL Series

PTS-22NL ■



PTS-2NL ■



PTS-2L ■



■ Terminal Shapes

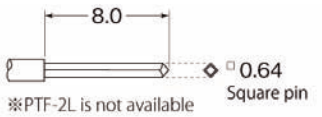
Please select from the following diagrams.

H Solder Cup Model



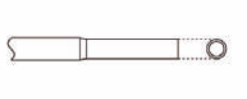
※PTF-2L is not available

W Wire Wrapping Model

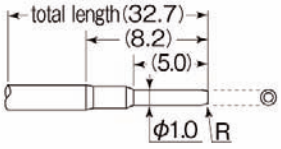


※PTF-2L is not available

O Solder or Caulking Model



WOCG Round Pin Model
Pipe Shape Model



For PTS-22NL■、PTS-2NL■ only

NOTE: ＊ *Other models are available. Please contact us for details.*
＊＊ *The above specifications are subject to change without notice.*

(Dimensions: mm)

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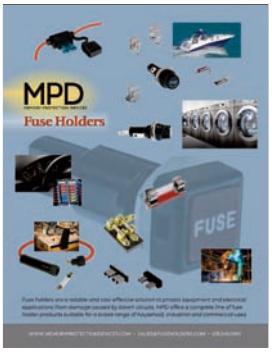
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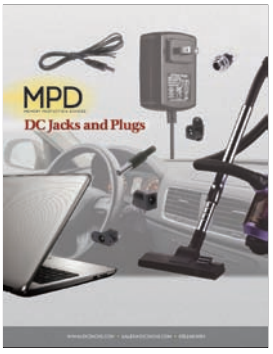
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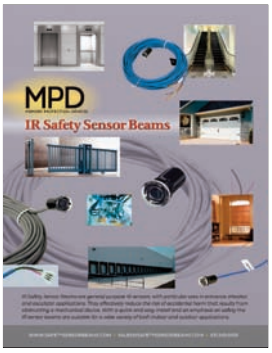
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Gagner	Singapore (TechPark)	(65) 68489430	www.gagnerproducts.com
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Master Electronics	Mexico (Zapopan)	(33) 21534181	www.masterelectronics.com
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Master Electronics	USA (Santa Clara, CA)	1-408-970-8090	www.masterelectronics.com
Master Electronics	USA (Bohemia, NY)	1-631-434-9394	www.masterelectronics.com
Master Electronics	USA (Redmond, WA)	1-425-821-5454	www.masterelectronics.com
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Taylor/Master Electronics	USA (Germantown, WI)	1-414-365-6335	www.taylorwisconsin.com

European Distributors

Digi-Key	Worldwide	(800) 344-4539	www.digikey.com/us/en/International/global.html
Online Components	Online	(888) 906-8217	www.onlinecomponents.com
Ineltro	Austria (Wien)	(43) 0161062136	www.ineltro.eu
Ineltro	Switzerland (Regensdorf)	(41) 433437300	www.ineltro.ch
Rossmann Electronic	Germany (Dießen am Ammersee)	(49) 8807949940	www.rossmannweb.de/index.php?lang=de
RC Microelectronica	Spain (Barcelona)	(34) 932602166	www.rcmicro.es
Sorelec Electronics	France (Cesson-Sevigne)	(33) 299837854	www.sorelec.com/l-actu/87-sorelec-distribue-les-solutions-mpd.html
Dissios SA Batteries	Greece (Paiania)	(30) 2106647333	www.batteries.gr/en/rechargeable/accessories/holders.html
HT Componenti Elettronici srl	Italy (Firenze)	(39) 055430310	it.kompass.com/c/ht-componenti-elettronici-srl/it0179298/
Nedelko	Netherlands (Barendrecht)	(31) 180645400	www.nedelko.nl
OEM Electronics AB	Denmark (Allerod)	(46) 087328560	www.oemelectronics.se/leverantorer/mpd
OEM Electronics AB	Norway (Drammen)	(46) 087328560	www.oemelectronics.se/leverantorer/mpd
OEM Electronics Poland	Poland (Warszawa)	(48) 22-86 32 722	www.oemelectronics.pl/
OEM Electronics AB	Sweden (TRANÅS)	(46) 087328560	www.oemelectronics.se/leverantorer/mpd

South American Distributors

Inventus Power	Brazil (Manus)	(55) 92 2126 6400	www.inventuspower.com
Power Circuit EletrônicaLtda.	Brazil (São Paulo)	(55) 11-3981-3965	www.powercircuit.com.br

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MPD Pogo Pins

High-Performance Test Probe Pins



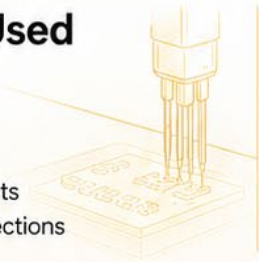
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10X More Than Industry Standard 100,000

- Less Downtime
- Cost Effective
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- Reliable Electrical Contact

Where They're Used

- PCB testing
- Automated test equipment
- Programming fixtures
- Charging docks & battery contacts
- Board-to-board temporary connections



How They Work

Spring-loaded pogo pins create a temporary, reliable electrical connection between test equipment and electronic components. They are used to make repeated contact during testing, charging, programming, and high-cycle production applications.

Free samples available

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Built for High-Cycle Applications

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PRECISION ENGINEERED COMPONENTS FOR DEMANDING APPLICATIONS

POGO PINS (TEST PROBE PINS)

High Reliability • High Performance



- Up to 1,000,000 insertion cycles
- Low contact resistance
- Ideal for testing, charging and interconnect applications
- Multiple tip styles & forces available

APPLICATIONS

Automated Test Equipment · Consumer Electronics · Battery Charging · Industrial Robotics

IR SAFETY SENSOR BEAMS

Reliable Detection. Enhanced Safety.



- Infrared beam technology
- 3-30 VDC operation
- NPN open collector output
- Compact & easy to install
- Ideal for safety & object detection

APPLICATIONS

Automatic Doors & Gates · Elevator Safety · Industrial Equipment · Security Systems

NEW! BK-18650-PC4-E

2 CELL HOLDER WITH COVER STRAP

For 70mm Protected 18650 Cells



- Designed for new 70mm protected 18650 cells
- Durable cover strap secures cells
- Reliable PCB mounting
- Also compatible with 67-69mm protected 18650 cells

APPLICATIONS

Portable Devices · Power Tools · Medical Devices · IoT & Wireless Equipment



BK-18650-CLIP
Metal Clip for Space Saving Designs

BK-6284

2 CELL BATTERY HOLDER WITH COVER

AA Battery Size Holder



- Secure cover for added safety
- PCB mountable
- High reliability & durability
- AA battery size holder

APPLICATIONS

Alarms & Security · Emergency Lighting · Instrumentation · Industrial Equipment

BK-6317

NEGATIVE CONTACT SPRING

For Alarm Systems



- Provides negative contact for alarm circuits
- High conductivity & corrosion resistance
- Easy to install
- Reliable performance

APPLICATIONS

Security Alarms · Security · Smoke & CO Detectors · Access Control · Home Automation

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NEW PRODUCT

BK-6317

Negative Alarm Metal Contact

- Compact design
- Easy to solder
- Reliable spring contact
- Ideal for alarm and door contact applications
- Engineered for dependable performance



Designed for innovative alarm system applications where size, reliability, and performance matter.

PERFECT FOR A WIDE RANGE OF ALARM & SECURITY APPLICATIONS


DOOR & WINDOW CONTACTS



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