

Amphenol

COMMUNICATIONS SOLUTIONS

CMIO Pogo Pin & Battery Connector

Business Unit: CMIO – Product Division

Internal IO – Pogo Pin & Battery Connector

2 in 1 Tablet



Battery Charger



True Wireless Stereo



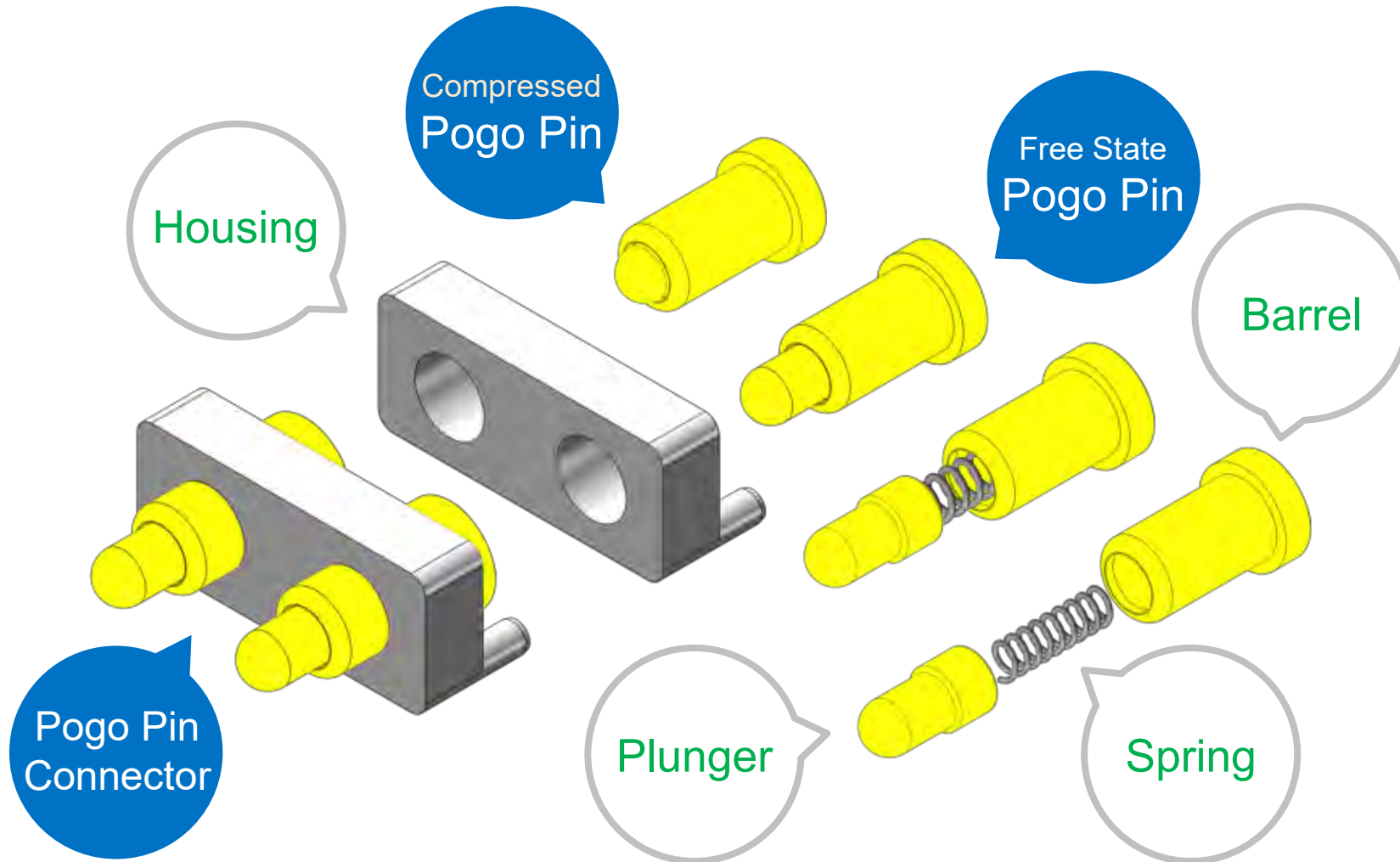
Wearable Device



Digital Camera

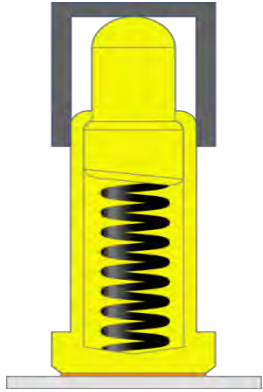


Pogo Pin- Structure

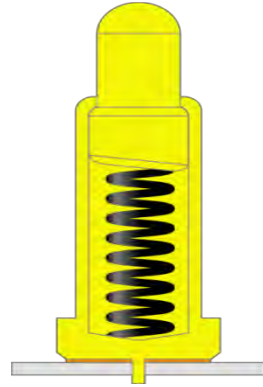


Pogo Pin- Standard Type

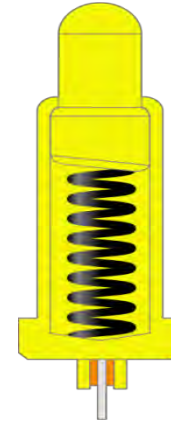
SMT with Cap



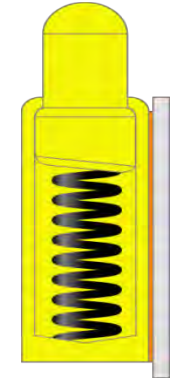
Plug-in(Dip)



Wired



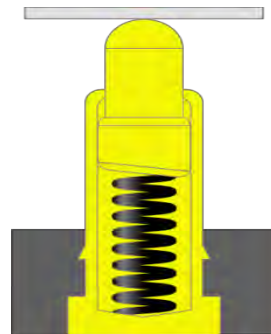
Right Angle



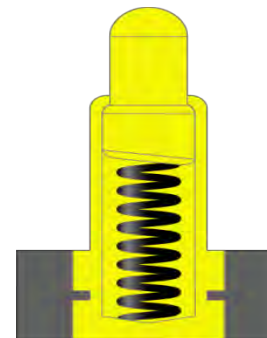
Board to Board



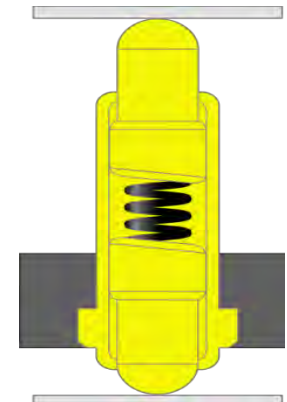
Case to Board



Insert-molding



Double Ended



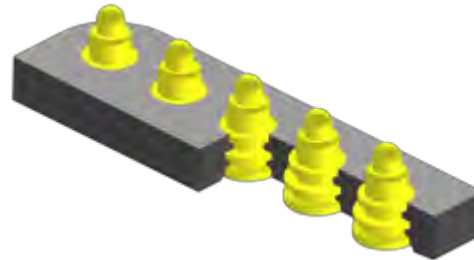
Pogo Pin- Waterproof Type

Sealing



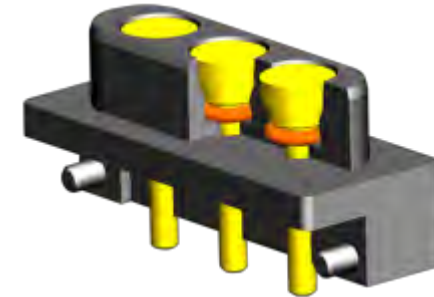
Pitch: Small
Waterproof: IPx7 at best
Production Complexity: **Low**

Insert-Molding



Pitch: Small
Waterproof: IPx7 at best
Production Complexity: **Low**

O-Ring



Pitch: Large
Waterproof: IPx8 at best
Production Complexity: **High**

Flexible Custom- Designed Product For Consumer Product

- Current rating of 2A/pin
- Customizable pitch, pin configuration, and soldering type
- Various stack heights available

| Description | Pitch | Part Numbers |
|---|-------|---------------|
| Spring battery connector, 3pin, SMT type | 1.6mm | BC23S03 |
| Spring battery connector, 3pin, SMT type | 2.0mm | BC23W03 |
| Spring battery connector, 10pin, SMT type | 4.0mm | BC2460L103 |
| Spring battery connector, 3pin, SMT type | 1.6mm | BC25S03 |
| Spring battery connector, 3pin, SMT type | 2.8mm | BC2718L03001A |
| Spring battery connector, 4pin, SMT type | 1.6mm | BC30S04 |
| Spring battery connector, 3pin, SMT type | 2.5mm | BC3550Y0302A |
| Spring battery connector, 2pin, SMT type | 1.6mm | BC3552S02 |
| Spring battery connector, 4pin, SMT type | 2.0mm | BC36W042A |
| Spring battery connector, 3pin, SMT type | 2.5mm | BC4054Y0302A |
| Spring battery connector, 3pin, SMT type | 3.0mm | BC4057R03001 |
| Spring battery connector, 3pin, SMT type | 2.5mm | BC4560Y0302A1 |



MECHANICAL PERFORMANCE

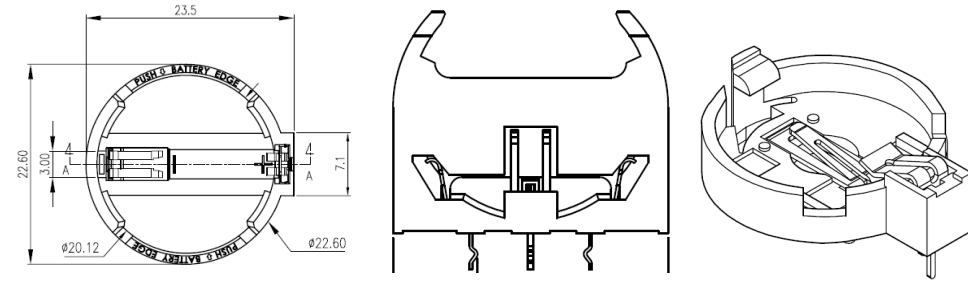
- Durability: 5000 mating cycles
- Normal force at mated position: 80g min.

ELECTRICAL PERFORMANCE

- Current Rating: 2A per contact
- Contact Resistance: 30mΩ max.
- Insulation Resistance: 500MΩ min.
- Voltage Rating: 250V AC

Flexible Custom- Designed Product For Consumer Product

- Support CR2032 Battery
- Various type for Battery connector

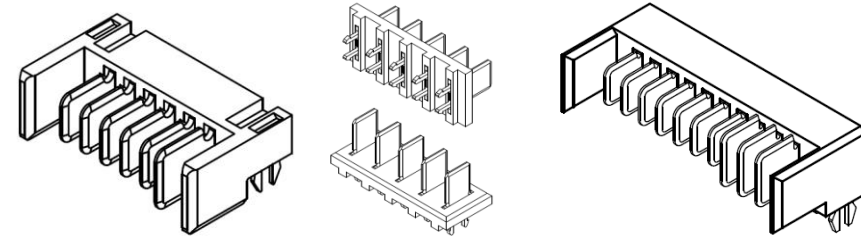


| Description | Type | PN |
|--|------|-------------|
| Battery Holder, CR2032, H:8.6mm | Dip | GBA021EU |
| Battery Holder, CR2032, Side Stand H:22.0mm | Kink | GBA008G |
| Battery Holder, CR2032, Side Stand H:22.0mm | Kink | GBA008LF |
| Battery Holder, CR2032, H:7.6mm | SMT | GBA009LF |
| Battery Holder, CR2032, Side Stand H:23.0mm | Dip | GBA005EU |
| Battery Holder, CR2032, H:7.6mm | Dip | GBA012XLF |
| Battery Holder, CR2032, H:7.6mm | Dip | GBA010LF |
| Battery Holder, CR2032, Side Stand H:18.49mm | Kink | GBA0240XCEU |

Internal IO – Blade Battery Connector

Product For Consumer Product

- High current with blade type
- Customize Solution



| Description | Type | PN |
|--|------|-----------------|
| Battery connector, Male, Blade Type, 2.5mm pitch, VT | Dip | GBA21XX4X0TCEU |
| Battery connector, Male, Blade Type, 2.0mm pitch, RA | Dip | GBA24XX1X0TC1EU |
| Battery connector, Male, Blade Type, 2.0mm pitch, RA | Dip | GBA24XX1X0TCEU |
| Battery connector, Male, Blade Type, 2.5mm pitch, RA | Dip | GBA24XX4X0TCEU |
| Battery connector, Female, Blade Type, 2.5mm pitch, RA | Dip | GBA31XX4X0TCEU |
| Battery connector, Female, Blade Type, 2.0mm pitch, RA, W/ Post | Dip | GBA34XX1X0TCEU |
| Battery connector, Male, Blade Type, 5.0mm pitch, VT | Dip | GBA21056X0TCEU |
| Battery connector, Female, Blade Type, 5.0mm pitch, VT | Dip | GBA31056X0TCEU |
| Battery connector, Female, Blade Type,VT, 2x5pins, H:0.69mm | SMT | GBA027XXXTHR |
| Battery connector, Female, Blade Type,VT, 2x5pins, H:0.56mm | SMT | GBA028XXXTHR |
| Battery connector, Female, Blade Type, 2.0mm pitch, RA | Dip | GBA24101X0TCEU |
| Battery connector, Female, Blade Type, 2.0mm pitch, RA, W/ Post | Dip | GBA34101X0TCEU |
| Battery connector, Male, Blade Type, 2.0mm pitch, RA, W Boadlock | Dip | GBA2410100TCEU |
| Battery connector, Male, Blade Type, 2.0mm pitch, RA Sink | Dip | GBA26XX101TCEU |

Thank you!

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