

## Datasheet

# RS PRO 2 WAY, 1 ROW, STRAIGHT, SPRING LOADED MALE, .100" [2.54mm] PITCH, SMT

Stock No: 2272096, 2272097



## Product Details:

RS PRO Pogo Pins and Connectors (spring loaded terminals) consist of a pin, barrel, and steel spring with or without an insulator carrier. They are used in many industries across a wide range of applications to make a secure, high reliability connection. This series is highly customizable to meet specific stroke lengths, heights, and electrical capabilities. High-temp plastics are used for our insulators and unlimited molding designs allow for many different shapes and styles to be created for specific applications.

## Features & Benefits:

- High reliability, corrects connection between uneven surfaces and satisfies high vibration connection requirements.
- Increased durability for heavy duty applications Highly Customizable-
- Size, stroke, shape, pin count, etc.
- Low Cost and Easily Integrated

**Material:**

Insulator: PA46, rated UL 94V-0, Color: Black

Contacts: Copper Alloy

Spring: Stainless Steel

Plating:

Gold flash over Nickel underplate overall

**Electrical:**

Voltage rating: 12 Volts

Current rating: 1A max (3.30mm), 3A max (4.30&5.30mm)

Contact resistance @ working stroke: 20 mohms max. before test  
60 mohms max. after test

Insulation resistance: 100 Mohms min

Dielectric withstanding voltage: 100 VRMS @ 60HZ

**Mechanical:**

Spring force: 90±20gf @ 1.0mm working stroke (3.30mm)

70±20gf @ 1.0mm working stroke (4.30 & 5.30mm)

Full stroke: 1.40mm

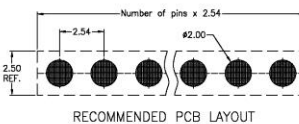
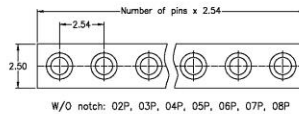
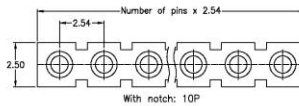
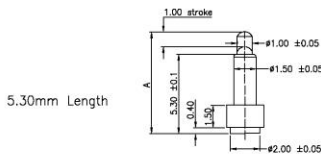
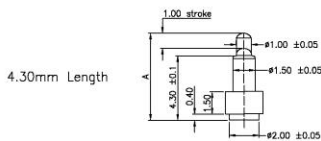
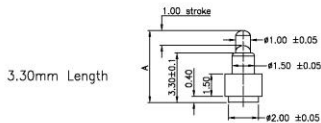
Life test: 10,000 Cycles Min

**Temperature Rating:**

Operating temperature: -30°C to +85°C

**Environmental:**

Lead free, RoHS compliant.

**Dimensional line drawings****3.30mm Length**

ADAM P/N	Initial Height Dim. A
PH1-3B-XX-MVF-3345	4.5mm
PH1-3B-XX-MVF-3350	5.0mm

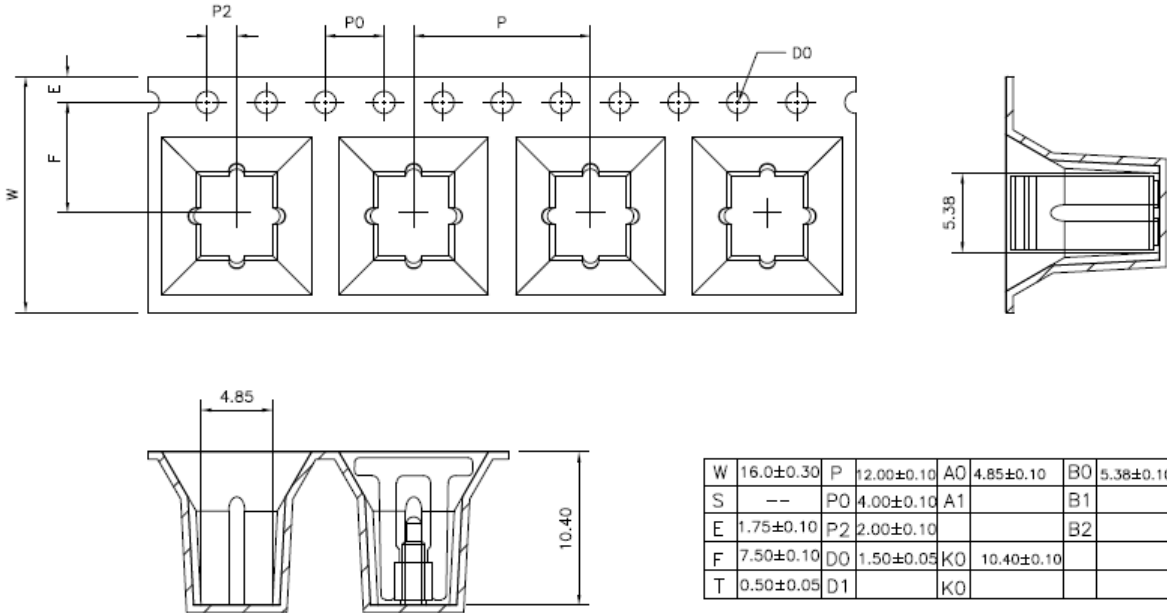
**4.30mm Length**

ADAM P/N	Initial Height Dim. A
PH1-3B-XX-MVF-4355	5.5mm
PH1-3B-XX-MVF-4360	6.0mm

**5.30mm Length**

ADAM P/N	Initial Height Dim. A
PH1-3B-XX-MVF-5365	6.5mm
PH1-3B-XX-MVF-5370	7.0mm
PH1-3B-XX-MVF-5375	7.5mm
PH1-3B-XX-MVF-5380	8.0mm

# Packaging Details Tape & Reel



## Details:

1. 10 Sprocket hole pitch, cumulative tolerance  $\pm 0.2\text{mm}$ .
2. Carrier camber not to exceed 1mm in 250mm.
3. All dimensions meet EIA-481-D requirements.
4. Material: Black Polystyrene.
5. Tape length per 13" [330.2mm] Dia. reel: 6.6 Meters.
6. Qty / reel: 500 pcs