

Note:

## Materials:

Insulator: Black high temperature plastics UI94 V-0

Plunger: Brass 0.25um Au over Ni

Barrel: Brass 0.125um Au over Ni

Spring: SUS Au

Copper pipe: Brass plating Ni

Magnet: NdFeB

## Mechanical:

Contact force: 80g±20g at 1.1mm working stroke

Full stroke: 1.6mm

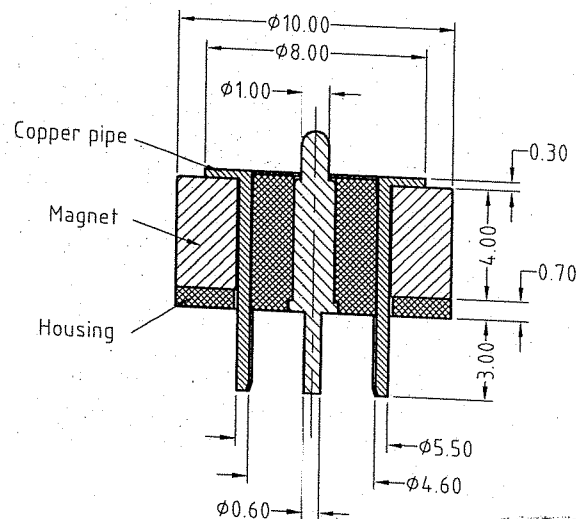
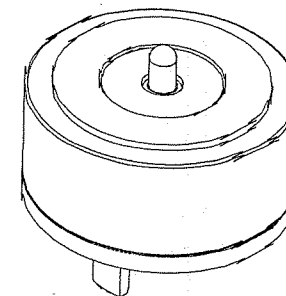
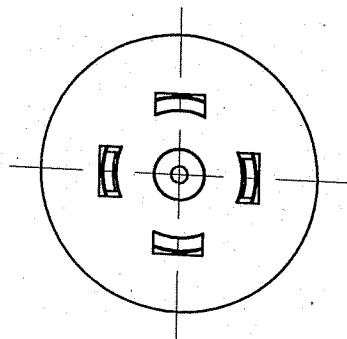
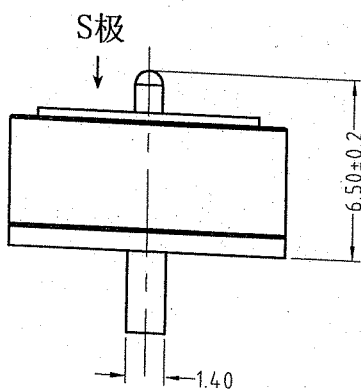
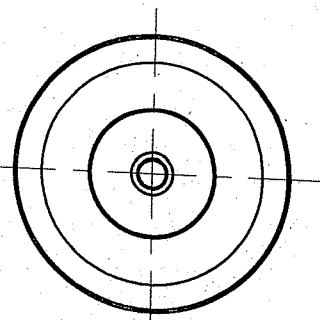
Life test: 20,000 cycles

## Electrical:

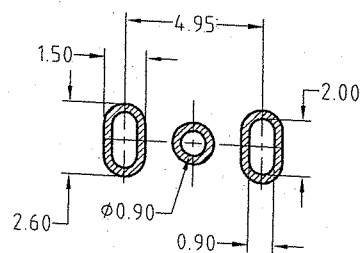
Rated current &amp; voltage: DC 12V; 3A Max.

Contact resistance: 50 milliohm Max.

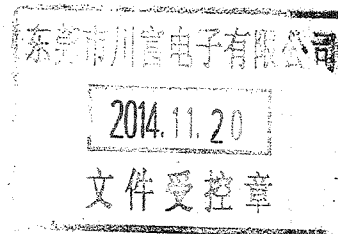
To ensure the best usage, please operate it based on the working height.  
Based on the engineering drawings, shall not exceed the maximum allowed compression.



BOM		
Part	NO.	Qty
Pogo pin	BP14211	1
Pipe	B142-W2100	1
Magnet	B142-M8100	1
Housing	01000-H03	1



Recommended pcb layout  
layout tolerance: ±0.05mm



ECN(ICN) NO.	REV	DATE	DESCRIPTION
	A0	2014.11.18	NEW

SCALE	10:1	UNIT:mm	THIS DOCUMENT IS THE SOLE PROPERTY OF CFE CORPORATION CO.,LTD., AND SHOULD NOT BE USED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN PERMISSION.
ANGEL	±1°	A4	
0~6	±0.05		
6~30	±0.10	DRAW	
30~150	±0.15	CHECK	
GENERAL TOLERANCE UNLESS OTHERWISE NOTED		APPRO	

SHEET: 1 of 1

**CFE** 东莞市川富电子有限公司  
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PART NO. M-BP14211-01000H0B

FILE NAME BP142XX

TITLE. Pogo pin connector