



NOTES:

1. Electrical
 - .Rated Current & Voltage : DC 12 V ; 2 A
 - .Contact Resistance: 50 mohm maximum at Working Height(Quiescence)
2. Mechanical
 - .Full store: 0.70 mm
 - .Working Store: 0.60 mm
 - .Spring Force: 65gf±15gf at Normal Working Height
 - .Durability:10,000 cycles(minimum)
3. Environmental
 - .Operating Temperature: -25°C~+85°C
 - .Humidity Range: 10%RH~90%RH
 - .Salt Spray: 48 Hours
4. Part To Be Free Form Manufacturing Lubricants.
5. When the current is greater than 1A then need to increase the time delay circuit(3 second)
6. To avoid arcing issue, The adaptor start to power supply after connector mated fully.
7. To ensure the best usage,please operate it based on the working height.
- 8 .RoHs&HF compliant product.

No.	P/NAME	QTY	Material	Specification	P/N
4		1			
3	Pogo Pin	1	Contact Au 10u" Plated		
2	Magnet	1	N52 80~180u" Ni		
1	Housing	1	PA4T UL 94V-0, Black		

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XinNanTian Industry Co.,LTD

GENERAL TOLERANCES UNLESS SPECIFIED		TITLE		DRAWING NO.		SHEET	
.x ± 0.10	X. ± 5°	5pin Pogo Pin Magnet Connector		XNT-005MA-05A		1 / 1	
.xx ± 0.05	X. ± 3°						
.xxx ± 0.03	X. ± 1°						
SIZE	UNITS	THIRD ANGLE PROJECTION	APPROVED BY	CHECKED BY	DRAWN BY	Date	REV
A4	mm[inch]		ROY.WEI	JERRY	LUCX	2018/07/23	B.0