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DWG NO. 1 POGO-PIN-6.70-1

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REVISION HISTORY

REV	DESCRIPTION	ECN	DATE	APRV'D
1	INITIAL RELEASE	--	03/23/17	JAG

PLUNGER (Top Side)

Ref. Full R

$0.80 \pm 0.05$   
[0.0315]

$\phi 0.21 \pm 0.01$   
[0.0083]

$6.70 \pm 0.15$   
[0.2638]

$5.90 \pm 0.10$   
[0.2323]

$\phi 0.30 \pm 0.01$   
[0.0118]

Ref.  $\phi 0.20$   
[0.0079]

Ref. 1.20  
[0.0472]

Pointing Accuracy:  $\pm 0.05$  mmSpring Force:  $\pm 3g$ 

STATE	TRAVEL	SPRING FORCE
Initial Travel	--	3.1g (0.108oz)
Recommended Travel	0.50mm (0.0197")	6.5g (0.230oz)
Full Travel	0.70mm (0.0276")	7.8g (0.274oz)


PART	MATERIAL	FINISH
Plunger (Top Side)	Hardened Steel	Gold Plated
Terminal (Bottom Side)	Hardened Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Stainless Steel	Gold Plated

NOTICE:

1. It is important to verify the working travel of the probe when designing the fixture or socket. The recommended working travel is 0.50mm and there is only a difference of 0.20mm to full compression. Full compression may cause the pin to fail and damage the device, spring, plunger and/or PCB pads.

2. The terminal and barrel diameter at assembly could max 0.01mm beyond the barrel's max tolerance.

TERMINAL (Bottom Side)

CONTRACT NO. SO26331		 <b>INTERCONNECT SYSTEMS INC.</b> <small>a mollex company</small> 741 FLYNN ROAD, CAMARILLO, CALIFORNIA 93012	
DRAWN BY J. GELACIO	DATE 03/03/17	TITLE <b>POGO PIN</b> 0.50mm PITCH, C Plunger, 6.5g SF, Au Plate Finish	
DESIGNER ET	DATE 03/03/17		
CHECKER R. FLORES	DATE 03/03/17		
QA N/A	DATE	SIZE A	RoHS
PROCESS ENG. N/A	DATE	SCALE N/A	DRAWING NO. POGO-PIN-6.70-1
SAVED AS: POGO-PIN-6.70-1.DOC		FINISHED ASSY: --	REV 1

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SHEET 1 OF 1