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DWG NO. 1 POGO-PIN-7.60-1

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REVISION HISTORY

REV	DESCRIPTION	ECN	DATE	APRVD
1	INITIAL RELEASE	--	04/26/17	JG

TOP SIDE

Dimensions and Tolerances:

- Top section height: 0.80 ± 0.05 [0.0315]
- Top section diameter: $\phi 0.30 \pm 0.01$ [0.0118]
- Main barrel height: 7.60 ± 0.15 [0.2992]
- Main barrel diameter: $\phi 0.51 \pm 0.01$ [0.0201]
- Lower barrel height: 6.80 ± 0.10 [0.2677]
- Terminal height: Ref. 1.20 [0.0472]
- Terminal diameter: Ref. $\phi 0.34$ [0.0134]

Callouts:

- 1: Pointing Accuracy: ± 0.05 mm
- 2: Spring Force: $\pm 20\%$

Pointing Accuracy: ± 0.05 mmSpring Force: $\pm 20\%$

STATE	TRAVEL	SPRING FORCE
Initial Travel	--	13.5g (0.475oz)
Recommended Travel	0.40mm (0.0157")	26.0g (0.915oz)
Full Travel	0.60mm (0.0236")	31.8g (1.122oz)

PART	MATERIAL	FINISH
Spring	Stainless Steel	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Plunger [Top]	Hardened Beryllium Copper	Gold Plated
Terminal [Bottom]	Hardened Beryllium Copper	Gold Plated

NOTE:


1 It is important to verify the working travel of the probe when designing the fixture or socket. The recommended working travel is 0.40mm 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, plungers and/or PCB pads.

2 The diameter of assembly point of terminal & barrel could be max 0.01mm bigger than that of barrel's max tolerance.

BOTTOM SIDE

DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

DECIMALS:	ANGULAR:
XX ± 0.100	X.X° $\pm 1.0^\circ$
X.XX ± 0.050	X.XX° $\pm 0.5^\circ$
X.XXX ± 0.025	

CONTRACT NO. SO26520				INTERCONNECT SYSTEMS INC. a mollex company	
DRAWN BY T. FOOTE		DATE 4/26/17		741 FLYNN ROAD, CAMARILLO, CALIFORNIA 93012	
DESIGNER ET		DATE 4/26/17		TITLE POGO PIN	
CHECKER J. GELACIO		DATE 4/26/17		0.75mm PITCH, K PLGR, W/ SOLDER POT, 26.0g SF	
QA	DATE	SIZE	RoHS	SCALE	DRAWING NO.
--	--	A		N/A	POGO-PIN-7.60-1
PROCESS ENG.	DATE	SAVED AS:	FINISHED ASSY:		REV
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SHEET 1 OF 1