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DWG NO. 1

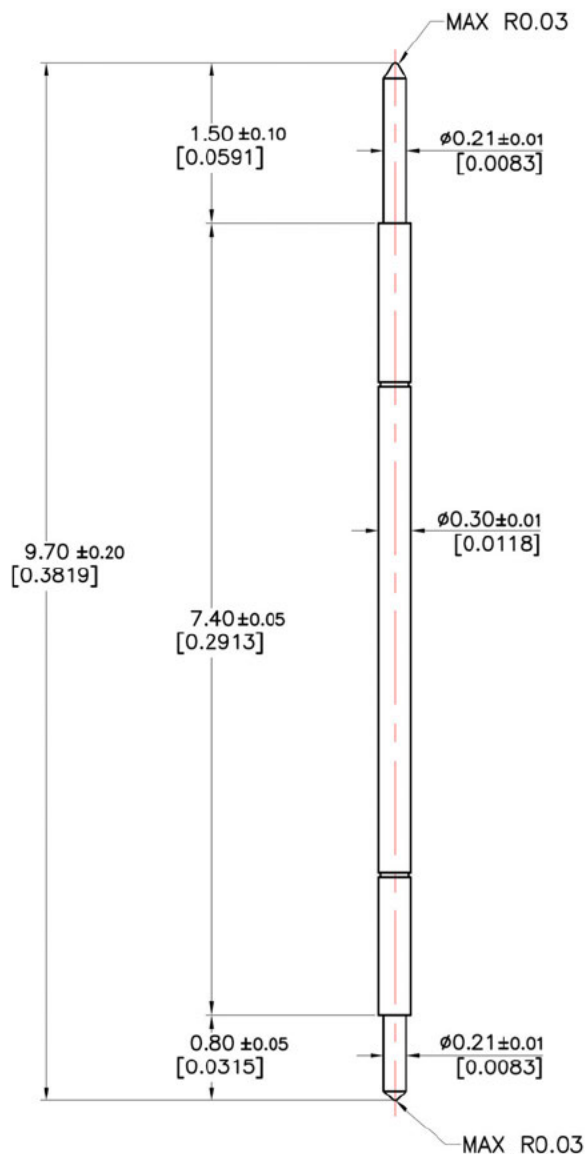
SKT2781

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REVISION HISTORY

REV	DESCRIPTION	ECN	DATE	APRVD
A	INITIAL RELEASE	--	10/25/06	HN
B	ADDED TEMP NOTE	--	10/14/10	JAG
C	ADDED ELECTRICAL TEST DATA, PG2	--	08/31/16	JAG
D	UPDATED RAW MATERIAL, TEST DATA	--	01/20/25	ET

TOP PLUNGER

Pointing Accuracy: ± 0.03 mmSpring Force: $\pm 30\%$

STATE	TRAVEL	SPRING FORCE
Initial Travel	--	3.3g (0.116oz)
Recommended Travel	0.80mm (0.0315")	6.4g (0.228oz)
Full Travel	1.30mm (0.0512")	8.4g (0.296oz)

PART	MATERIAL	FINISH
Spring	Music Wire	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Top Plunger	Hardened Steel	Gold Plated
Bottom Plunger	Hardened Steel	Gold Plated

D

D

C


C

B

B

A

A

CONTRACT NO. 129291728				INTERCONNECT SYSTEMS INTL, LLC a molex company	
CAGE CODE 3F8U4		741 FLYNN ROAD, CAMARILLO, CALIFORNIA 93012 805-482-2870 MAIN 805-482-8470 FAX			
PREPARED BY R.FLORES	DATE 01/20/25	TITLE POGO PIN, 0.50mm Pitch, E/E Plungers, 6.4g Spring Force			
DESIGNER ET	DATE 01/20/25				
CHECKER JAG	DATE 01/20/25				
QA --	DATE --	SIZE A	ROHS YES	SCALE N/A	DRAWING NO. SKT2781
PROCESS ENG. --	DATE --	SAVED AS: SKT2781_D.PDF		FINISHED ASSY: POGO-PIN-9.70-1	MOLEX PART NUMBER 2220000530
					REV D
					SHEET 1 OF 2

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DWG No.

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ISI	POGO-PIN-9.70-1
MOLEX	2220000530
ELECTRICAL SPECIFICATIONS	
Current Rating	2.0A continuous
Bandwidth (Insertion Loss)	4.93GHz @ -1.00dB
Bandwidth (Return Loss)	2.89GHz @ -10.00dB
Propagation Delay	91.05ps
Self-Inductance	1.36nH
Capacitance	1.34pF
MECHANICAL SPECIFICATIONS	
Contact Life	200,000 cycles minimum
Operating Temperature	-55°C to +120°C
Spring Force	6.4g (0.226oz) @ 0.80mm (0.0315")
Recommended Travel	0.80mm (0.0315")
Full Travel	1.30mm (0.0512")
MATERIAL SPECIFICATIONS	
Plunger	Hardened Steel / Au Plated
Plunger	Hardened Steel / Au Plated
Barrel	Phosphor Bronze / Au Plated
Spring	Music Wire / Au Plated



INTERCONNECT SYSTEMS INTL, LLC
a molex company

741 FLYNN ROAD, CAMARILLO, CALIFORNIA 93012
805-482-2870 MAIN | 805-482-8470 FAX

SIZE	ROHS	SCALE	FINISHED ASST:	REV
A	YES	N/A	POGO-PIN-9.70-1	D
DRAWING NO. SKT2781 D.PDF		MOLEX PART NUMBER: 2220000530		SHEET 2 OF 2