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DWG NO. 1 2220000434.PDF

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REVISION HISTORY

REV	DESCRIPTION	ECN	DATE	APRV'D
1	INITIAL RELEASE	--	06/26/18	JAG

D

D

TOP PLUNGER

Ball Contact Angle

90°±5°

Top Travel  
0.55  
[0.0217]

Pointing Accuracy: ± 0.07 mm

Spring Force: ± 20%

1.00±0.05  
[0.0394]∅0.46±0.01  
[0.0181]4.30±0.15  
[0.1693]2.80±0.05  
[0.1102]∅0.89±0.01  
[0.0350]Operating Length  
3.45  
[0.1358]0.50±0.05  
[0.0197]∅0.46±0.01  
[0.0181]Ref. R0.05  
[R0.0020]Bottom Travel  
0.30  
[0.0118]

BOTTOM PLUNGER

C

C

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B

B

A

A

STATE	TRAVEL	SPRING FORCE
Initial Travel	--	5.0g (0.176oz)
Recommended Travel	0.85mm (0.0335")	28.0g (0.988oz)
Full Travel	0.95mm (0.0374")	30.0g (1.058oz)

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

NOTES:

- DUT board compliance of 0.30mm travel or greater required. Durability of the probe may be affected is less travel is used.
- Pointing accuracy needs to be considered in housing design. Failure to do so could result in a short problem or abnormal mechanical operation.
- It is important to verify the actual working travel of the probe in the socket design due to only 0.10mm variance between working and full travel. Failure to do so runs the risk of damaging the DUT, spring, plunger and/or pcb.

CONTRACT NO.				<b>INTERCONNECT SYSTEMS INTL, LLC</b> a <b>molex</b> company 741 FLYNN ROAD, CAMARILLO, CALIFORNIA 93012	
DRAWN BY R.FLORES	DATE 06/26/18	TITLE POGO PIN			
DESIGNER ET	DATE 06/26/18	1.25mm Pitch, E/H Plungers, 28.0g SF, Au Plate Finish			
CHECKER J.GELACIO	DATE 06/26/18	SIZE A	RoHS 6/6	SCALE N/A	DRAWING NO. 2220000434
QA --	DATE --	SAVED AS: 2220000434.PDF		FINISHED ASSY: --	REV 1
PROCESS ENG. --	DATE --				SHEET 1 OF 1

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