

SECTION A-A

NOTES:

1 MATERIAL:

- 1-1 CONTACT PIN: COPPER ALLOY
- 1-2 SOLDER PAD: COPPER ALLOY
- 1-3 SPRING: SWP-B, PIANO WIRE OR EQUIVALENT (INSIDE THE SHAFT)
- 1-4 HOUSING: NYLON 46 UL 94-V0, BLACK

2 FINISH:

- 2-1 CONTACT PIN: OVERALL 12μ MIN. HARD GOLD OVER 50~100μ NICKEL
- 2-2 SOLDER PAD: OVERALL 5μ MIN. HARD GOLD OVER 50~100μ NICKEL
- 2-3 SPRING: OVERALL 4μ MIN. HARD GOLD OVER 50~100μ NICKEL

Δ AFTER 10,000 CYCLES

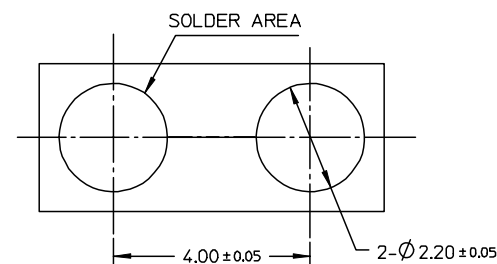
4 MECHANICAL SPECIFICATION:

- 4-1 CONTACT FORCE AT WORKING HEIGHT OF 4.90mm (PER CONTACT) : 72±10g
- CONTACT FORCE AT WORKING HEIGHT OF 4.60mm (PER CONTACT) : 82±10g
- CONTACT FORCE AT WORKING HEIGHT OF 4.32mm (PER CONTACT) : 92±10g
- CONTACT FORCE AT FULL STROKE, WORKING HEIGHT OF 4.00mm (PER CONTACT) : 103±10g
- 4-2 USE RETURN FORCE AS SPRING FORCE FOR EVERY WORKING HEIGHT
- 4-3 DURABILITY MATED 10,000 TIMES AND STILL MEET ELECTRICAL CHARACTERISTICS

5 ELECTRICAL SPECIFICATION:

- 5-1 RATED VOLTAGE (PER CONTACT) : 12 VOLTS MAX.
- 5-2 RATED CURRENT (PER CONTACT) : 2 AMPS MAX.
- 5-3 INSULATION RESISTANCE (IR): 1.0 MEGOHMS MIN.
- 5-4 DIELECTRIC WITHSTANDING VOLTAGE : N/A
- 5-5 CONTACT RESISTANCE: 25 MILLIOHMS MAX. WHEN MATED WITH A COMPATIBLE CONNECTOR

6 PRODUCT SPECIFICATION: PS-67904-001



RECOMMEND PCB LAYOUT

RELEASED	EC NO: 2005/07/18 DRAWN BY: XU 2005/07/20 CHKD BY: JWU 2005/07/26 APPR: YTYAP	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				▼=0			MM ONLY		10:1	METRIC	TITLE 2 PINS POGO CONNECTOR W/O PICK AND PLACE CAP			
				▽=2		mm	INCH	DRAWN BY	DATE					
					4 PLACES	± ---	± ---	XU XIANG	2005-02-05					
					3 PLACES	± ---	± ---	CHECKED BY	DATE					
					2 PLACES	± 0.15	± ---	Y. J WU	2005-02-05					
				1 PLACE	± ---	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED					
				ANGULAR ±1/2°			VINCENT YAP	2005-02-05						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
							679040111		SD-67904-111		1 OF 1			
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