

RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE: ± 0.05

REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	Michael	2025/04/28
2	Add ORING	Fros	2025/07/02
3	ECR2500007	TIM	2025/07/09

SPECIFICATION:

1. ELECTRICAL

- 1.1 Current Rating: 3A per pin
- 1.2 Voltage Rating: 24VDC
- 1.3 Contact Resistance: 50m Ω
- 1.4 Insulation Resistance: 100M Ω
- 1.5 Dielectric Withstanding Voltage: 500VAC

2. MECHANICAL

- 2.1 Durability: 20000 Cycle
- 2.2 Spring force: 60 $\pm$ 20g at 1.10mm working stroke

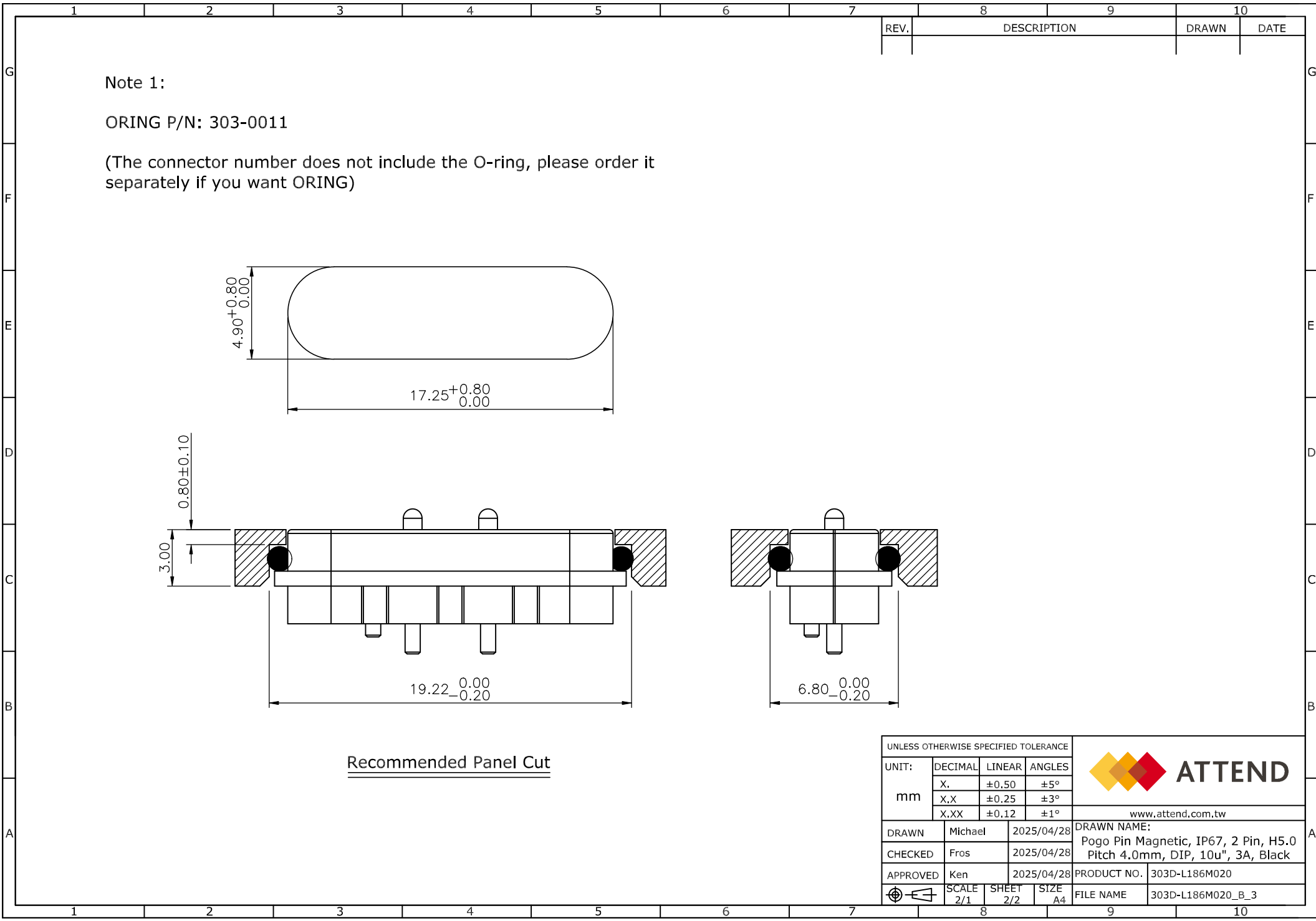
3. ENVIRONMENTAL

- 3.1 Operating temperature range: -40°C~+60°C
- 3.2 Storage temperature range: -40°C~+60°C

4. HAND SOLDERING

- 4.1 Recommended hand soldering conditions Temperature 240°C $\pm$ 10°C, 3~5 sec.

4	GLUE	EPOXY	
3	CONTACT	Brass C6801, plating 10u" Au	
2	MAGNET	N52, NdFeB Magnet plating Ni	
1	HOUSING	PA9T, UL94 V-0 black	
NO. PART NAME		DESCRIPTION	
UNLESS OTHERWISE SPECIFIED TOLERANCE			
UNIT: mm	DECIMAL	LINEAR	ANGLES
	X.	±0.50	±5°
	X.X	±0.25	±3°
	X.XX	±0.12	±1°
			 ATTEND
			www.attend.com.tw
DRAWN	Michael	2025/04/28	DRAWN NAME: Pogo Pin Magnetic, IP67, 2 Pin, H5.0 Pitch 4.0mm, DIP, 10u", 3A, Black
CHECKED	Fros	2025/04/28	
APPROVED	Ken	2025/04/28	PRODUCT NO. 303D-L186M020
	SCALE 2/1	SHEET 1/2	SIZE A4
		FILE NAME	303D-L186M020_B_3



Note 1:

ORING P/N: 303-0011

(The connector number does not include the O-ring, please order it separately if you want ORING)

Recommended Panel Cut

UNLESS OTHERWISE SPECIFIED TOLERANCE				 ATTEND			
UNIT: mm	DECIMAL	LINEAR	ANGLES			www.attend.com.tw	
	X.	±0.50	±5°				
	X.X	±0.25	±3°				
	X.XX	±0.12	±1°				
DRAWN	Michael	2025/04/28		DRAWN NAME: Pogo Pin Magnetic, IP67, 2 Pin, H5.0 Pitch 4.0mm, DIP, 10u", 3A, Black			
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