

Membrane Force & Position Sensor

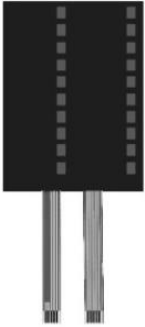
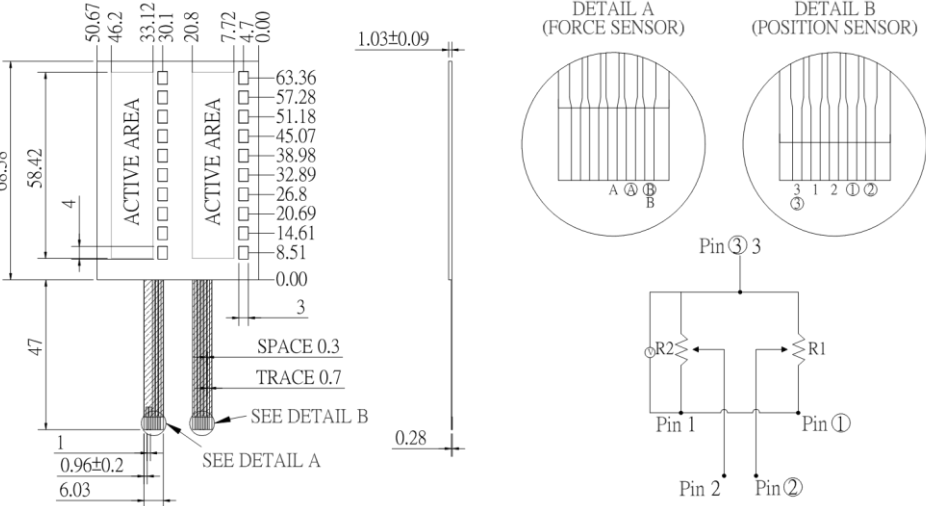


Application

✓ Fitness, Medical, Industrial and many others.

Feature

- ✓ Ultra-thin, Flexible and sealed properties, Velocity-sensitive.
- ✓ Dual with LED holes

| Order Code | Outline Drawing | |
|--|--|--|
| MAA060-B <input type="checkbox"/> <input type="checkbox"/> K-082-A01  |  <p>Dimensions: 68.58, 58.42, 4, 47, 1, 0.96±0.2, 6.03, 50.67, 46.2, 33.12, 30.1, 20.8, 7.72, 4.7, 0.00, 63.36, 57.28, 51.18, 45.07, 38.98, 32.89, 26.8, 20.69, 14.61, 8.51, 0.00, 3, 1.03±0.09, 0.28, SPACE 0.3, TRACE 0.7, SEE DETAIL B, SEE DETAIL A.</p> <p>DETAIL A (FORCE SENSOR) and DETAIL B (POSITION SENSOR) are shown with pin configurations: A, B, 3, 1, 2, ①, ②.</p> <p>Circuit diagram shows Pin ③ connected to a common point, Pin ① through resistor R1, and Pin ② through resistor R2 to Pin 1.</p> | |

SPECIFICATION

| MODEL | | MAA060-B <input type="checkbox"/> <input type="checkbox"/> K-082-A01 |
|-----------------------|---------------------------------|--|
| FORCE SENSOR | FORCE SENSITIVITY RANGE | 80g ~ 1000g (0.8N ~ 9.8N) |
| | ACTIVE AREA | 13.08mm*58.42mm |
| | FORCE RESOLUTION | Continuous(Analog) |
| | STAND-OFF RESISTANCE (UNLOADED) | >20MΩ |
| POSITION SENSOR | LINEARITY, INDEPENDENT | ±3% |
| | RESISTANCE TOLERANCE | ±20% |
| | ACTIVE LENGTH | 58.42mm |
| OPERATING TEMPERATURE | | -20°C to +70°C |
| IP RATING | | IP65 |
| RESPONSE TIME | | <1ms |
| LIFE CYCLE | | >0.5 Million |
| POWER RATING | | 1 Watt max. @25°C |
| HUMIDITY | | No affect @ 95% RH, 4hrs<50°C |

Design and specifications presented here are for the standard parts only. Please kindly contact us for your special requests and ask for the current technical specifications before purchase and/or use.