# ASSET INSTRUMENTS ENGINEERING



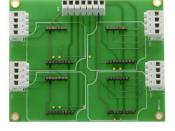
### Multi-Channel Motherboard ASM1-4 4x AS7539A Amplifiers

The ASM1-4 is a motherboard designed to integrate up to four AS7539A amplifier boards (configured for currentoutput) allowing multiple transducer processing. Transducer wires can be easily clamped onto the board. Optional features include a rugged aluminium enclosure offering IP66 protection.

### Features

**Applications** 

- Common power supply rail
- Individual current outputs
- Accomodates 4 AS7539A amplifiers
- Size 127 x 103.5 x 24 mm (LxBxH)
- Optional aluminium enclosure (IP 66)



#### Ordering

 Part number:
 ASM1-4

 Customer specific electrical / mechanical changes are possible
 – please contact us with your individual requirements.

## **Example Populated Board**

Multiple transducer processing



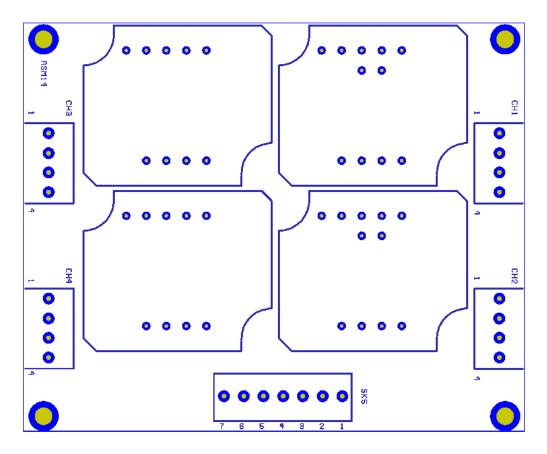
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## Installation:

Function	Connector	Description
Power Supply Input	SK5	Pin-1 +VCC
		Pin-2 GND
		Pin-3 -VCC (optional)
Load-cell / Strain-gauge	CH1 – CH4	Pin-1 sensor "+" excitation voltage
transducers		Pin-2 sensor "+" output
		Pin-3 sensor "-" output
		Pin-4 sensor "-" excitation voltage
Current Outputs	SK5	Pin-4 = amplifier CH1, Pin-5 = amplifier CH2, etc.

All connectors accept solid or stranded wire, size 24 - 12 AWG ( $0.2 - 3.31 \text{ mm}^2$ ). For optimal results, a ferrule is typically used with stranded wire.



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Part number: A	$\Lambda \leq M_{1-1} \neq H_N(1)$	Aluminium IP66 Enclosure for ASM1-4
		incl. cable glands (4x PG7, 1x PG12)



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