AmbiMate
SENSOR MODULE
MS4 Series

TE Connectivity (TE)'s AmbiMate sensor module MS4 series provides an application specific set of sensors on a ready to attach PCB assembly for easy integration into a host product. Design resources are freed and time to market accelerated by integrating the MS4 series pre-engineered, four core sensor solution for Motion / Light / Temperature / Humidity into your next product.

Other MS4 series sensor modules include VOC (Volatile Organic Compound), eCO₂ (equivalent carbon dioxide) and sound detection. Add the capability to monitor air quality through the capture of VOC concentrations. Select an MS4 series with a microphone to augment motion detection or to listen for sound events.

All MS4 series sensor modules communicate via a standard seven position connector. This allows the designer to layout a single PCB footprint accommodating all the available sensor configurations at production.

Applications
- Indoor Lighting
- Building Automation
- Connected Home
- Air Quality
- Energy Management
- Work Space Comfort
- Zonal Environmental Controls

Four Core Sense Capability
- Motion (PIR)
- Light
- Temperature
- Humidity

Optional Sense Capability
- VOC
- eCO₂
- Sound (microphone)

Specifications
- Application Specification: 114-133192/114-13315
- Design Objectives / Specification: 108-133192

Benefits
- Design resources are freed and time to market is accelerated
- Standard popular I²C communication protocol
- Event out pin for real time motion detection
- Space saving compact design
- Multiple attach methods to accommodate your application need
- One footprint allows multiple sensor configurations & flexibility in design