



DESCRIPTION

Lingsen' AIO (All in one optical sensor) is a BT substrate based with LCP cap, Silicone glue encapsulated package . It is available in pin count from 6 to 18 or can be customized to individual customer needs.

It is widely used for each kinds of optical sensor which combine LED and sensor , like proximity · heart rate and Oxygen detector.

APPLICATIONS

- Proximity sensor.
- Ambient light sensor.
- RGB sensor.
- Gesture sensor.
- Pulse rate sensor.
- Oxygen detector sensor.

SPECIFICATIONS

Substrate: BT
 Gold Wire: 99.99%Au.
 Cap: LCP material
 Glue: Silicone base
 Backside marking: White Ink.
 Packing: Antistatic bag.

FEATURES

- Meet industrial particle/foreign material level requirements.
- Pin count range from 6 to 18 .
- Lead pitch of 0.5 to 1.2 mm.

PACKAGE AVAILABILITY

Package Size (mm)	Lead Pitch (mm)	Lead Count
3.94 x 2.36	0.97	8/9
4.0 x 2.36	0.97	8
4.7 x 3.0	0.56	16
5.6x2.8	1.175	10

RELIABILITY

Pre-condition : MSL 3 : R reflow max 260°C
 Temperature Cycling -40°C/85°C, 1000 cycles.
 Temperature & Humidity Test 85°C, 85%R.H., 1000hrs
 High Temperature Storage 85°C, 1000hrs

CROSS-SECTION

