



CAB-00040 Temperature Sensor - Orbita

Ver.	Date	Pub	Chk	Description
A1	13/01/2023	EB	AC	Initial drawing.

1. Purpose

This temperature sensor is actually a bipolar transistor, its base on the linear relationship between base-emitter voltage and temperature changes. Temperatures are read by the MAX31730 on Major Tom Board.

2. Bill of Materials

Item	Description	L (mm)	Qtté	Ref. Farnell / RS
Wire	0,15 mm ²	??	2	
Molex PicoBlade Fem. Housing 2 ways	51021-0200		1	/
Contacts for PicoBlade	50079-8000		2	/
2N3904	Transistor TO-92		1	1574370 /
Gaine thermo		10	2	

3. Assembly

Molex PicoBlade Contacts are crimped with Tool Molex 63811-0000.

4. Drawing

