

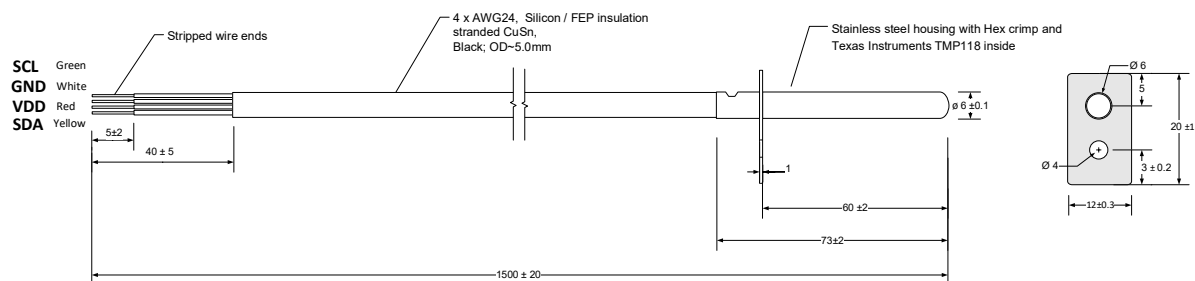
Specification of Temperature Probe

PART NUMBER: **££ £ a t £ h a**

FEATURES:

Sensing Element	TMP118
Operating temperature range	-40°C ÷ 125°C
High Accuracy from 0°C to 50°C (typical for sensing element)	±0.05°C
High Accuracy from 20°C to 50°C (maximum)	±0.1°C
High Accuracy from 0°C to 50°C (maximum)	±0.15°C
High Accuracy from -20°C to 80°C (maximum)	±0.2 °C
High Accuracy from -40°C to 125°C (maximum)	±0.4 °C
Compatible logic (independent of VDD)	1.2V
Interface type	I2C and SMBus
Supply Voltage	1.4 - 5.5 V
Temp resolution (max) (bps)	16
NIST traceable	48-bit unique ID
Medical Grade for Sensing Element	ASTM E1112 and ISO 80601-2-56
RoHS Compliant	Y E S

DRAWING:



UNITS: [mm]

Rev no.	Date	Changes
00	25.02.2026	-

Prepared: B.B.
Checked: Ł.B.
Approved: T.Z.

Customer approval
Date Signature

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