

<p><b>EUROMAP 14 Part 1</b></p>	<p><b>Injection Moulding Machines Hotrunners and Electrical Mould Heating Equipment Electrical Interface Part 1 Thermocouples</b></p>
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6 pages

This recommendation was prepared by the Technical Commission of EUROMAP.

## History

Date	Version	Changes
July 2007	1.1	Supplier's data amended
November 2009	1.2	A further supplier added
February 2015	1.3	A further supplier added
May 2015	1.4	List of plug suppliers removed. Please visit <a href="http://www.euromap.org/technical-issues/technical-recommendations">www.euromap.org/technical-issues/technical-recommendations</a> for the current list.

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# 1 Scope and application

This EUROMAP recommendation defines the connection between the injection moulding machine and the thermocouples. This is intended to provide interchangeability.

The connection may be used for eight thermocouples.

# 2 Description

The material of the plug contact shall preferably be the same as the thermocouples.

# 3 Type of thermocouples

Thermocouples as described in IEC 584 part 1, type Fe-CuNi (J) should be used.

# 4 Plug and socket outlet

The connection between the injection moulding machine and the thermocouples is achieved by the plugs specified below <sup>1)</sup>. The male side of the plug is fitted to the injection moulding machine.

Arrangement of pins and sockets viewed from the mating side (opposite the wiring side).

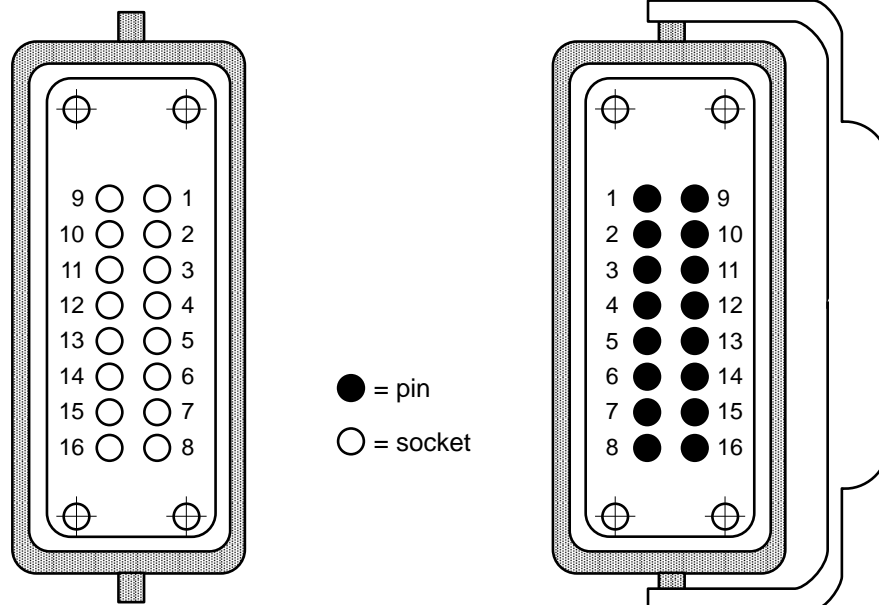


Figure 1: Plug on the thermocouples

Figure 2: Plug on the injection moulding machine

<sup>1)</sup> See [www.euromap.org/technical-issues/technical-recommendations](http://www.euromap.org/technical-issues/technical-recommendations) for suppliers

**Table 1: Plug contact assignment**

Plug contact No	Description
1, 9	Thermocouple No 1; positive pole on plug contact No 1
2, 10	Thermocouple No 2; positive pole on plug contact No 2
3, 11	Thermocouple No 3; positive pole on plug contact No 3
4, 12	Thermocouple No 4; positive pole on plug contact No 4
5, 13	Thermocouple No 5; positive pole on plug contact No 5
6, 14	Thermocouple No 6; positive pole on plug contact No 6
7, 15	Thermocouple No 7; positive pole on plug contact No 7
8, 16	Thermocouple No 8; positive pole on plug contact No 8

## 5 Sources of supply

A list of plug suppliers is available for download on the EUROMAP website:

[www.euromap.org/technical-issues/technical-recommendations](http://www.euromap.org/technical-issues/technical-recommendations)

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