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## Hardware Reference

### iTRACE Probe ColdFire

Ordering code iTRACE Probe ColdFire
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IC30355
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## Hardware Reference

### iTRACE Probe ColdFire

<b>Ordering code</b>	<b>IC30355</b>
<b>Dimensions (WxLxH, mm)</b>	<b>28x73x13</b>



The iTRACE probe is used to connect the target to the development system. The probe is connected to the iTRACE PRO Unit.

#### Emulation Notes

Hot attach is not supported. The probe must not be inserted into the target if the target is turned on or damage to the probe or iTRACE Card can occur.

It is advised to first turn on the Emulator and then the target.

#### Target Pinouts

The following pinout is valid on the target side:

Signal direction	Signal name	Pin	Pin	Signal name	Signal direction
	Developer Reserved	1	2	~BKPT	IN
OUT	GND	3	4	DSCLK	IN
OUT	GND	5	6	Developer Reserved	
IN/OUT	RESET	7	8	DSI	IN
OUT	VDD_IO	9	10	DSO	OUT
OUT	GND	11	12	PSTDDATA7	OUT
OUT	PSTDDATA6	13	14	PSTDDATA5	OUT
OUT	PSTDDATA4	15	16	PSTDDATA3	OUT
OUT	PSTDDATA2	17	18	PSTDDATA1	OUT
OUT	PSTDDATA0	19	20	GND	OUT
	Motorola Reserved	21	22	Motorola Reserved	
OUT	GND	23	24	PSTCLK	OUT
OUT	VDD_CPU	25	26	~TEA	

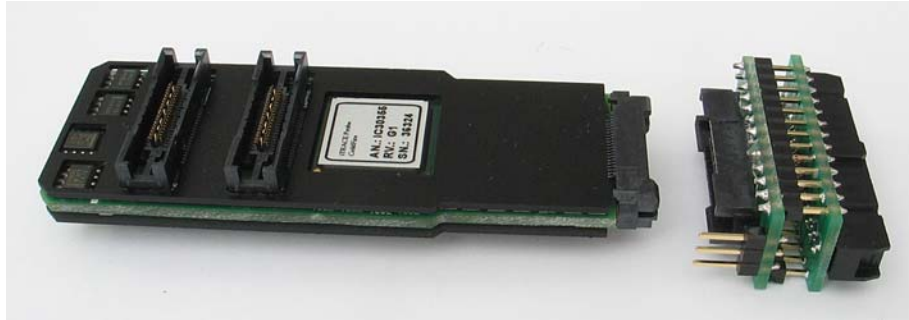
*Motorola ColdFire 26-pin target connector*

The ColdFire iTRACE Probe must always be connected to the Target using the supplied Target Pinout Adapter.

Three pins are present on the Target Pinout Adapter, which are used for testing purposes only.

When connecting and disconnecting the ColdFire iTRACE Probe from/to the target it is recommended to fix the Target Pinout Adapter to the Target and keep it fixed there and then connect and disconnect the Probe only, without the Target Pinout Adapter.

- 1) Disconnect the Target Pinout Adapter from the Probe



- 2) Locate the target connector on the Target and fix the Target Pinout Adapter.



- 3) Now, connect and disconnect the Probe only to the Mictor connector of the Target Pinout Adapter, without removing the Target Pinout Adapter from the Target.

Notes: