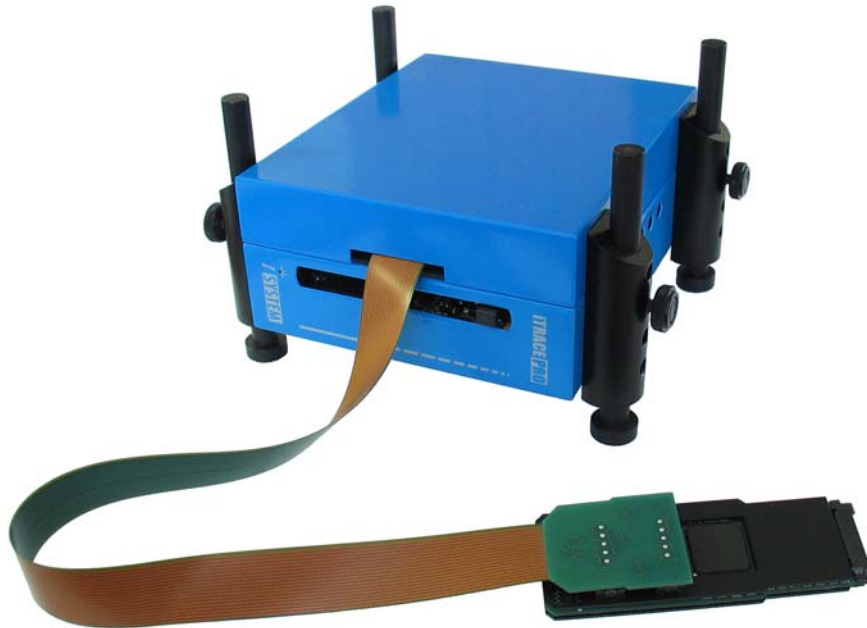

Hardware Reference

iTRACE GT Extension Probe ETM-32bit

Ordering code iTRACE GT Extension Probe ETM-32bit

IC30322



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Hardware Reference

iTRACE GT Extension Probe ETM-32bit

Ordering code	IC30322
Dimensions (WxLxH, mm)	28x73x13



The iTRACE Probe is used to connect the target to the Emulator.

The iTRACE GT Extension Probe RTP is connected to the iTRACE GT system. The system is composed using the iTRACE GT OCD Module, the iTRACE PRO/GT Interface Card and the optional iTRACE PRO AUX Card.

Ordering code iTRACE PRO/GT Interface Card	IC30230
Ordering code iTRACE GT OCD Module	IC30320
Ordering code iTRACE PRO AUX Card (optional)	IC30338

Target pinout

The iTRACE probe is connected to the target with a Mictor connector.

The following pinout is valid on the target side:

Signal	Pin	Pin	Signal
n.c.	1	2	n.c.
n.c.	3	4	n.c.
n.c.	5	6	TRACECLK
n.c.	7	8	n.c.
n.c.	9	10	n.c.
n.c.	11	12	VTref
n.c.	13	14	n.c.
n.c.	15	16	TRACEDATA[7]
n.c.	17	18	TRACEDATA[6]
n.c.	19	20	TRACEDATA[5]
n.c.	21	22	TRACEDATA[4]
TRACEDATA[15]	23	24	TRACEDATA[3]
TRACEDATA[14]	25	26	TRACEDATA[2]
TRACEDATA[13]	27	28	TRACEDATA[1]
TRACEDATA[12]	29	30	Logic 0
TRACEDATA[11]	31	32	Logic 0
TRACEDATA[10]	33	34	Logic 1
TRACEDATA[9]	35	36	TRACECTL
TRACEDATA[8]	37	38	TRACEDATA[0]

ETM 38-pin Mictor target connector

The pins marked with n.c. (not connected) should not be connected on the target.

Input, Output Signals

The input signals TRACECTL, TRACEDATA [15:0] and TRACECLK have 10Kohm impedance. The voltage must be between 1.8 and 5V.

The VTref is an input with the resistance of 1Kohm and is used only for reference. Its value can be between 1.8 and 5V.

The threshold for inputs is $\frac{1}{2}$ VTref, if VTref is 3.3V or lower. If VTref is higher than 3.3V, the threshold is $\frac{1}{2}$ of 3.3V. The minimal VTref is 1.8V.

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 GT can occur.

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

Notes: