



(1,00mm) .0394"

ICT1, IRM1 SERIES

# RUGGED LOW COST TEST PROBE

Mates with:  
ERF8(-L), IRM1

## FEATURES

- Eliminate costly PCB test connectors
- Lower production costs by moving most of the interface costs to the lab tool/cable
- Spring loaded compression interface
- Mechanical squeeze latch for easy on/off
- Test boards available for performance verification. Contact [sig@samtec.com](mailto:sig@samtec.com)

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?ICT1](http://www.samtec.com?ICT1)

**Cable:**  
28 AWG  
Silver plated Copper  
**Probe Tip:**  
Phosphor Bronze  
**Plating:**  
Au over 50µ" (1,27µm) Ni  
**Operating Temp Range:**  
-55°C to +125°C  
**RoHS Compliant:**  
Yes



**ICT1**

**APPLICATION**

**NO. OF POSITIONS PER ROW**

-05, -07,  
-10, -20

**WIRE LENGTH**

Wire Length in inches

**-12.00**  
= 12.00" (304,80mm)

**-24.00**  
= 24.00" (609,60mm)

**-36.00**  
= 36.00" (914,40mm)

**INSTRUMENT END**

**-ICT1**  
= Probe Pin

**-TEU**  
= ERM8 Pin 1 up

**-TED**  
= ERM8 Pin 1 down

**-HHSC**  
= Terminal Through-hole (-10 positions only)

← WIRE LENGTH ± 1% →

**PROBE END**                      **INSTRUMENT END**

**PROBE CAP**

Standard probe cap protects pins.

Mates with:  
ICT1

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?IRM1](http://www.samtec.com?IRM1)

**Insulator Material:**  
Black LCP  
**Plating:**  
Sn over 50µ" (1,27µm) Ni  
**Weld Tab:**  
Phosphor Bronze



NO. OF POSITIONS	A	B	C	D
-05	(12,80) .504	(8,00) .315	(6,00) .236	(10,40) .409
-07	(14,80) .583	(10,00) .394	(8,00) .315	(12,40) .488
-10	(17,80) .701	(13,00) .512	(11,00) .433	(15,40) .606
-20	(27,80) 1.094	(23,00) .906	(21,00) .827	(25,40) 1.000

**Note:** Some sizes, styles and options are non-standard, non-returnable.

**IRM1**

**NO. OF POSITIONS**

-05, -07, -10, -20

**01**

**PLATING**

**-T**  
= Matte Tin

**TR**

**-TR**  
= Tape & Reel

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)