

## OVERVIEW

Included with the MSO-MICTOR cable shipment are the following:

- Qty 1 - 36 channel Mictor cable
- Qty 1 – MSO-MICTOR Instruction sheet (this document)
- Qty 1 - Mictor Connector Shroud.

*Note: Additional shrouds can be purchased in a 3 pack. The LeCroy part number is MSO-MICTOR-SHROUD.*

## OPERATING ENVIRONMENT

Before using the MSO-MICTOR cable, ensure that its operating environment will be maintained within these parameters:

Temperature:	5 to 40 °C
Humidity:	≤ 80% RH (non-condensing)

## SAFETY REQUIREMENTS



### CAUTION

To avoid personal injury or damage to the MSO-MICTOR or any equipment connected to it, review and comply with the following safety precautions.

- **Use only as intended.** The MSO-MICTOR cable is intended to be used only with LeCroy MS-250, MS-500 or MS-500-36 Mixed Signal Oscilloscope options. Use of the MSO-MICTOR and/or the equipment it is connected to in a manner other than specified may impair the protection mechanisms.
- **Connect and disconnect properly.** Avoid damage to cables thru excessive bending. When disconnecting the MSO-MICTOR cable from the MS-250, MS-500, MS-500-36 or Device Under Test NEVER pull on the blue wires, pull only the black plastic housing.
- **For indoor use only.** The MSO-MICTOR cable and associated test equipment is intended for indoor use and should be operated in a clean, dry, environment.

## BASIC OPERATION

### **Connecting the MSO-MICTOR to the MS-500 or MS-500-36**

- Connect the end of the cable labeled D0 – D17 to the corresponding input of the MS-500 or MS-500-36 labeled D0 – D17 and fasten thumb screws
- Connect the end of the cable labeled D18 – D35 to the corresponding input of the MS-500 or MS-500-36 labeled D18 – D35 and fasten thumb screws

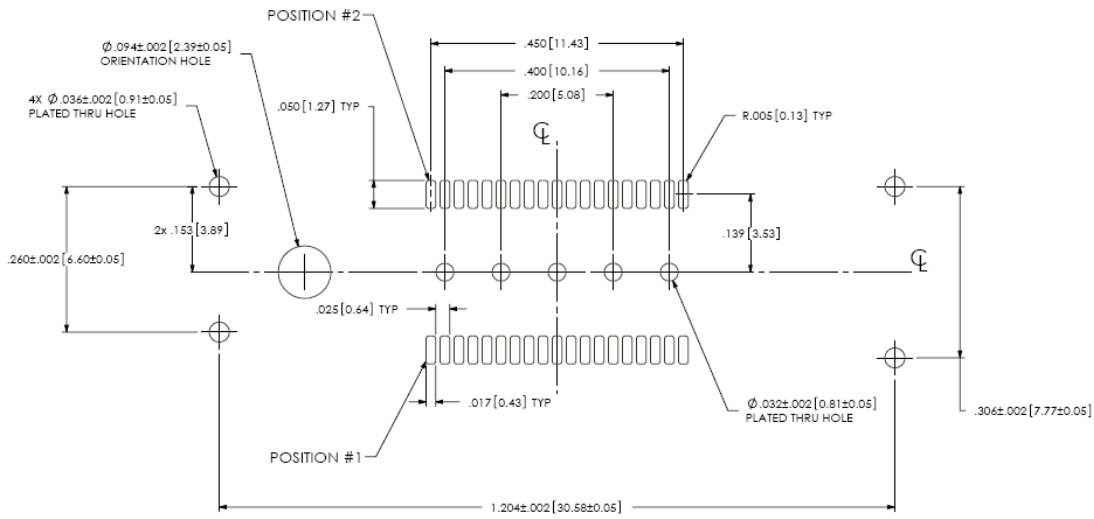
### **Connecting the MSO-MICTOR to the Device Under Test**

- The MSO-MICTOR cable mates with the Tyco Electronics Pb free part# 2-5767004-2 Mictor connector.

*Looking into Mictor Connector:*

Connector Pin #	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
	D35	NC	D34	D33	D32	D31	D30	D29	D28	D27	D26	D25	D24	D23	D22	D21	D20	D19	D18
	D17	Gnd	D16	D15	D14	D13	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0
Connector Pin #	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37

*Recommended PCB Layout for Mictor Connector and Shroud*



**SPECIFICATIONS**

Input Impedance	100 k $\Omega$
Attenuation	10:1
Maximum Input Voltage	$\pm 30$ V

*All specifications are for the MSO-MICTOR cable used with the MS-500 or MS-500-36*

