



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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OVERVIEW

Included with the MSO-3M cable shipment are the following:

- Qty 1 - 18 channel 3M connector cable
- Qty 1 – MSO-3M Instruction sheet (this document)

OPERATING ENVIRONMENT

Before using the MSO-3M 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-3M or any equipment connected to it, review and comply with the following safety precautions.

- **Use only as intended.** The MSO-3M 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-3M 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-3M 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.
- **Do not use in wet/damp or explosive atmospheres.**
- **For indoor use only.** The MSO-3M cable and associated test equipment is intended for indoor use and should be operated in a clean, dry, environment.
- **Do not operate with suspected failures.** Do not use the product if any part is damaged. All maintenance should be referred to qualified service personnel.

BASIC OPERATION

Connecting the MSO-3M to the MS-250 or MS-500

- Connect the end of the cable labeled D0 – D17 to the corresponding input of the MS-250 or MS-500 labeled D0 – D17 and fasten thumb screws

Note: MS-500 can be operated in 36 channel mode by using two MS-3M cables however both MSO-3M cables will be labeled D0-D17.

Connecting the MSO-3M to the Device Under Test

- The MSO-3M cable mates with the following 3M Through-Hole 2500 series connectors

2520-6002 (straight)
2520-5002 (right-angle)

Looking into the 3M Connector:

Connector Pin #	1	3	5	7	9	11	13	15	17	19
	NC	D16	D14	D12	D10	D8	D6	D4	D2	D0
	D17	D15	D13	D11	D9	D7	D5	D3	D1	Gnd
Connector Pin #	2	4	6	8	10	12	14	16	18	20

SPECIFICATIONS

Input Impedance	100 k Ω
Attenuation	10:1
Maximum Input Voltage	$\leq 30 V_{pk}$

All specifications are for the MSO-3M cable used with the MS-250, MS-500 or MS-500-36

