

GigaProbes™ Micro Manipulator Adapter Part Number: GPMMA



Install the GigaProbes in the GPMMA as demonstrated in the TOP picture with the twin SMA connector fully forward and the cross brace tightened along the top of the coupler

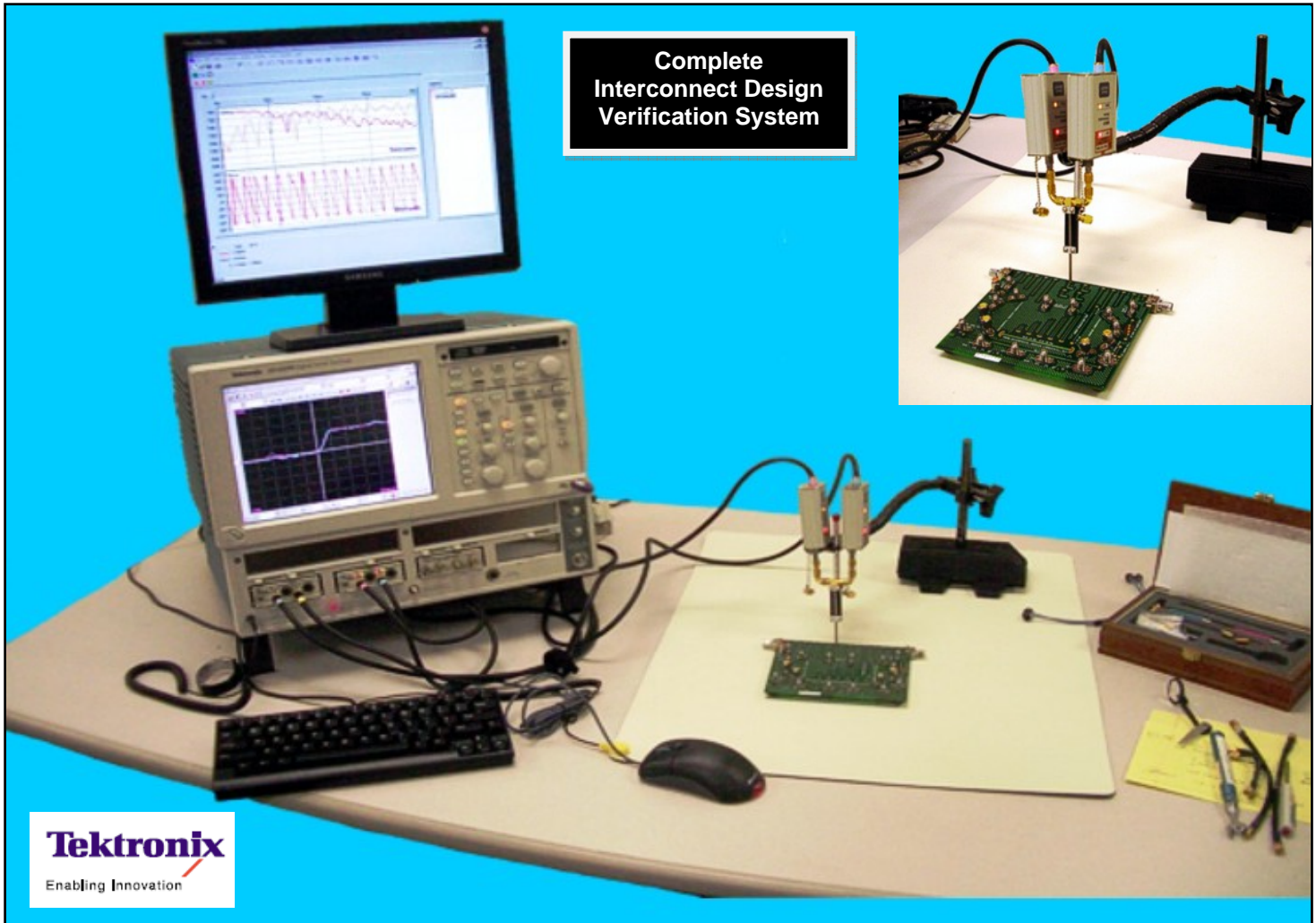
Features

- Direct connect Probe to 80E04 (20GHZ), 80E08(30GHZ), 80E10 (50GHZ) Tektronix Sampling Modules
- Attach GigaProbes™ to Tektronix Articulated Arms PPM203 & PPM100
- Hands free probing
- Multipoint probing to perform TDR and TDT measurements on printed circuit boards or device packages.

Applications

Research, Electronic Design, Design Verification of Interconnects Systems.

Complete Interconnect Design Verification System



Tektronix
Enabling Innovation

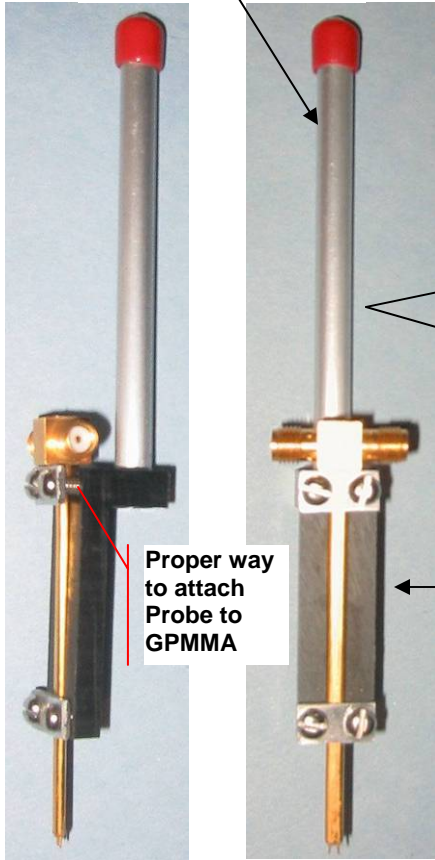
In the above Tektronix DSA8200 TDR/T S-parameter interconnect Design Verification system, two 80E10 50GHz TDR sampling heads are connected directly to the GigaProbes™ using the GPMMA adapter supported by the Tektronix PPM100 Articulating arm. The 80E10 TDR/Sampling module and TDR probing assembly is placed close to the DUT via its instrument interface cable connected to the DSA8200. Eliminating the Probe to SMA Cable extends the TDR edge rise/fall time and interconnects analysis resolution. The faster TDR edge makes visible interconnect anomalies that may be missed and widens the IConnect® MeasureXtractor™ created S-parameters bandwidth.

The DSA8200 TDR system displays the differential Impedance waveform. The LCD monitor shows the interconnect S-parameters created from the waveform using the IConnect® MeasureXtractor™ SI software running resident on the DSA8200 operating system. This complete interconnect system is efficient, easy-to-use and cost-effective solution for signal integrity analysis, impedance measurement, S-parameter and eye diagram compliance tests of gigabit interconnect links and devices.

The GPMMA/ Extender Adapter assembly is connected to the end of the PPM100 Flexible arm to. Direct Connect the GigaProbes™ to TDR Sampling Head.

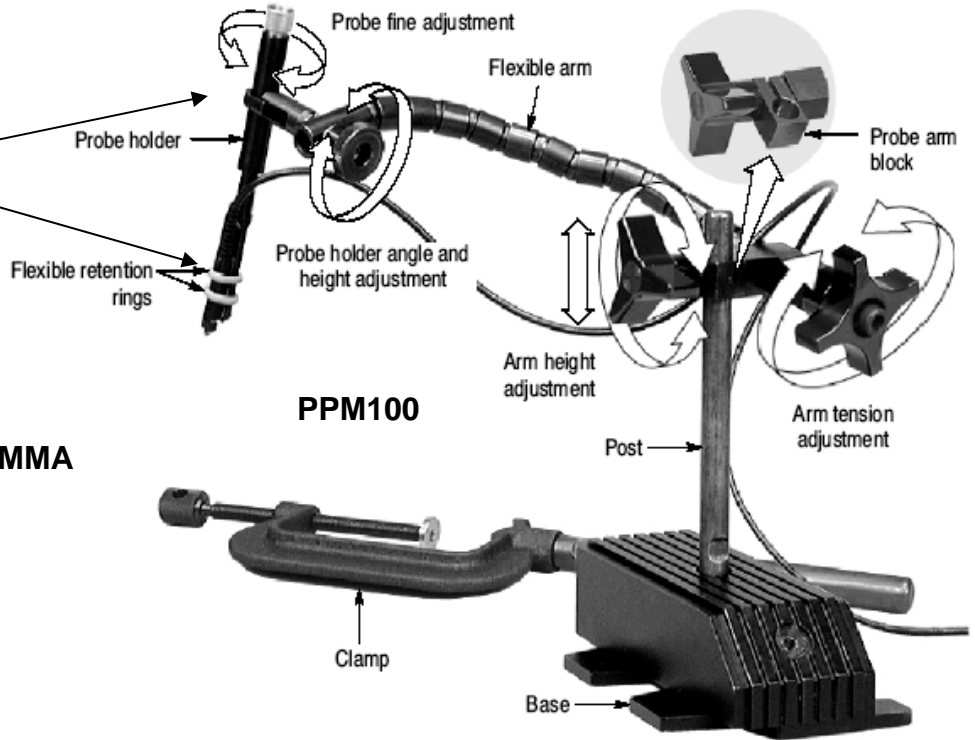


Extender Adapter



Proper way to attach Probe to GPMMA

GPMMA



PPM100

Fully assembled GigaProbes™ GPMMA with Extender Adapter

Assembly Instructions

To attach the GigaProbes™ GPMMA probe holder to the PPM100, attach the Extender Adapter accessory with the provided 8-32 screw (see above). Attach the assembly to the PPM100 probe holder using the flexible retention rings or remove the probe holder and insert the GPMMA Extender Adapter in the clamp. Using the adjustment screw, close the clamp around Extender Adapter. To attach the GPMMA to the PPM203B, remove the Extender Adapter and use 8-32 (provided) screw and nut to attach the GPMMA directly to the end of the PPM203B.



PPM203B

GigaProbes™ GPMMA attaches directly to the end of the Tektronix PPM203B