

COMOSS®

N E W P A R T N E R

Comoss Electronic Co., LTD, was founded in 1990 in Taipeh, Taiwan. The company is specialized in OEM/ODM design and production of connectors, cable assemblies and PCB assemblies. With R&D engineering support, they concentrate on turn-key solutions. As a manufacturer, COMOSS applies the principle of just in time manufacturing.

Comoss design and produce a variety of active and passive products for Plastic Optical Fiber (POF) applications. The advantage of POF technology versus the common copper cables is that the TX and RX are electrically isolated and there is no possibility for electrical interference. The advantage versus glass fibers is that the used active parts are much cheaper, because the light can be coupled into the 1mm fiber without additional lens and bending radius of fiber is smaller.

Connectors for Plastic Optical Fiber/ Patchcords

There are quite a few standards for POF connectors in the market. For lower datarates up to 20Mb there is the TOSLINK (FO5) connector, which is most commonly used in digital audio products like CD players. There is also a variant called Miniplug, which is a 3.5mm jack. The PN connector (FO7), which is a kind of duplex TOSLINK, is designed for multimedia installations.

Up to 250Mb there is a standard called Small Media Interface (SMI), which is a duplex fiber connector for optical POF transceivers. The transmission distance is up to 50m.

Besides these very specific connectors, Comoss also designed POF solutions of the well known FC, SC, ST and LC which are used in optical applications based on glass fiber.

Of course COMOSS also offer patchcords with the mentioned connector options.

Features:

- consumer electronics
- data transmission / LAN

Products:

- TOSLINK (FO5)
- PN (FO7)
- Miniplug
- SMI
- FC, ST, SC, LC

