

## TECHNICAL BRIEF

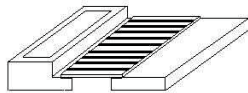
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### COG And Its Connection Types

Whether or not the end product is exposed to excessive shock and vibration, and the available space on the customer's board (plenty or little room) may determine the need in metal of flexible connection types for AZ Displays chip-on-glass (COG) LCDs.

### Pins VS. FPC

Chip-on-glass modules may carry two types of connection interfaces, pin or FPC (flexible print circuit). Pins allow for self-aligning connection to printed circuit boards via plug-in strip sockets while a FPC type interface is a circuit substrate of patterning Cu electrode with Polyimide film as a base. The different advantages of both types of connections are that pins on a display usually work well in harsh environments and FPC cable connections usually offer more options and flexibility because of its low profile size, variable cable length, and mating connection either with a ziff connector or soldering.



### New Releases

AZ Displays offers 16 character by 2 row chip-on-glass displays with either metal pins or flex connectors. P/N: ACM1602C-RN-GBS features a FPC connector for easy plugging into a standard ZIFF socket. P?N: ACM10602U-RN-GBH carries metal pins for durable connection to a customer's board. Datasheets are available upon request