



### Feature

- FPC cable with excellent noise resistance
- Supports transmission over 1Gbps such as LVDS / eDP / MIPI
- Various LCD-IF connector mating cables are also available.
- Custom wiring design is possible  
Impedance matching design, low loss, low crosstalk and so on.
- Total quality assurance is possible in combination with HF connector.

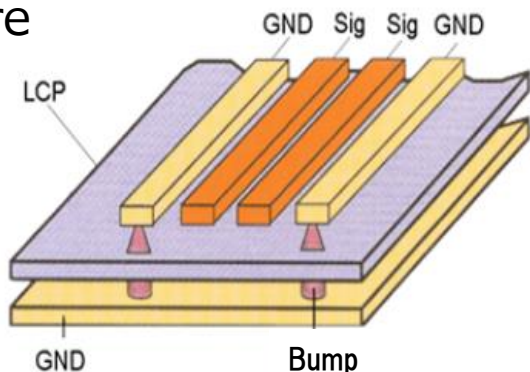
### Application

- LCD-equipped device
- Camera-equipped device
- Sensor-equipped device

### Usage

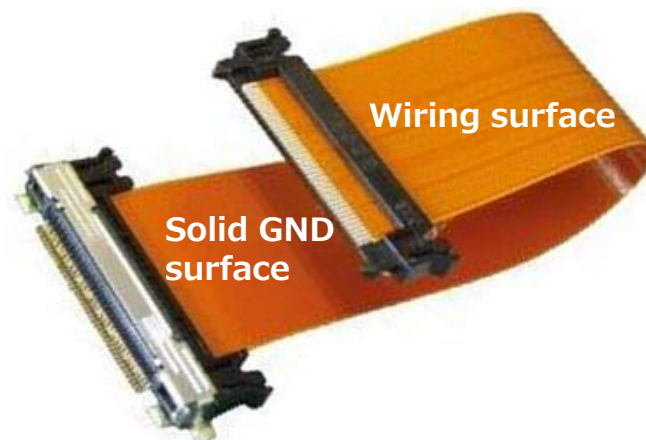
- LCD-main board noise suppression cable.
- Noise suppression cable for camera / for between sensor and main board.
- Jumper cable for Chip to Chip and Chip to Module.

### Structure



GND is installed on both sides of the differential line, and GND is strengthened by dropping it on the GND layer below the wiring surface via bumps.

### Cable : Noise-resistant FPC cable



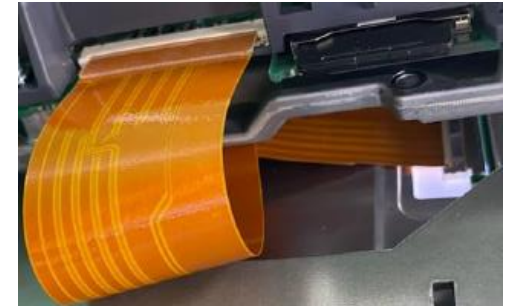
Connector : HF507 series

## LVDS near noise evaluation result

### Assumed method

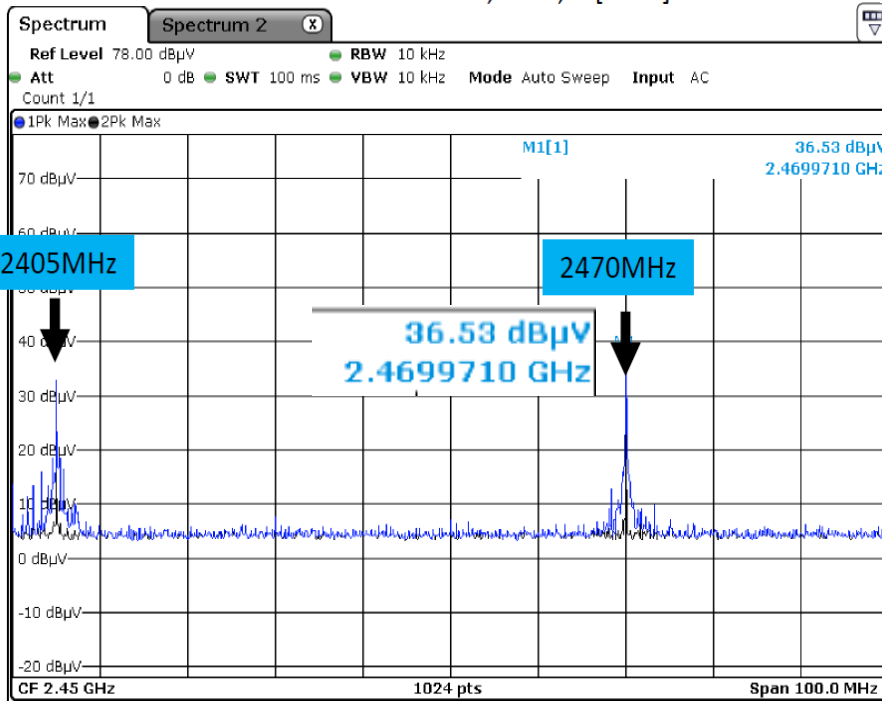
- Measure at the dark room
- The housing is fixed to a metal plate
- Measure near noise of LVDS using spectrum analyzer and magnetic field probe.
- LVDS operating frequency : 65MHz
- Measurement frequency : 2.4GHz~2.5GHz

### ● Discrete cable

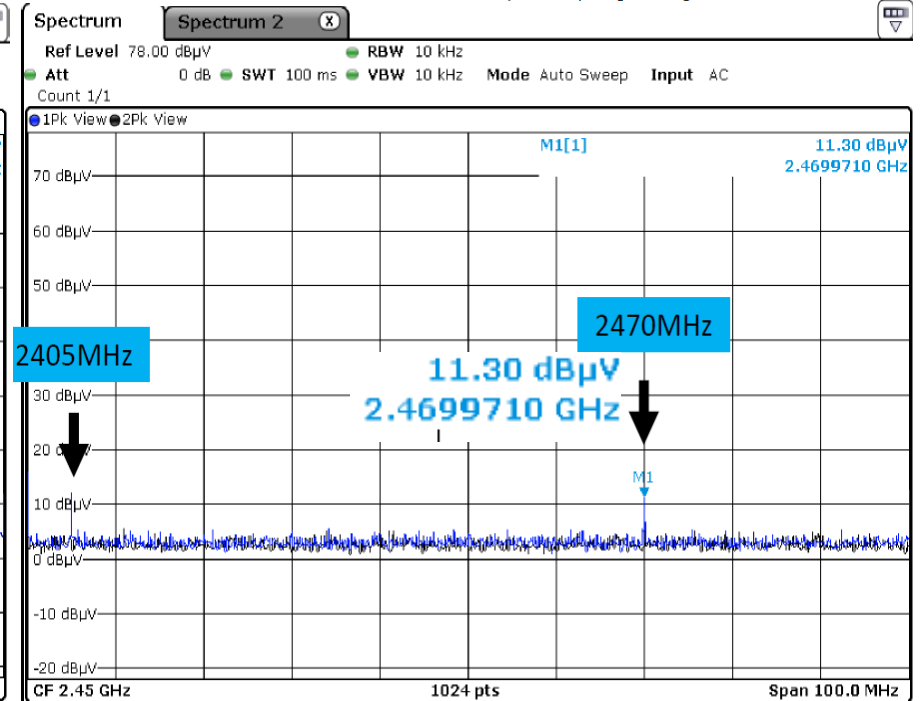


### ● Noise resistant FPC cable (YFB series)

Harmonics of LVDS  $65\text{MHz} \times n = \dots 2405, 2470, \dots [\text{MHz}]$

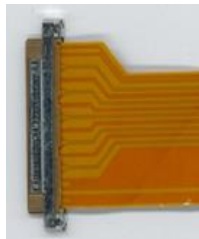


Harmonics of LVDS  $65\text{MHz} \times n = \dots 2405, 2470, \dots [\text{MHz}]c$



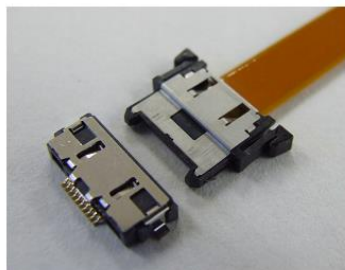
## Various LCD-IF connector mating cables

We provide mating adapters for various LCD-IF connectors assy to Noise resistant cable. Please feel free to contact us, we will check whether the connector is available or not.



Total quality assurance is possible in combination with HF connector.

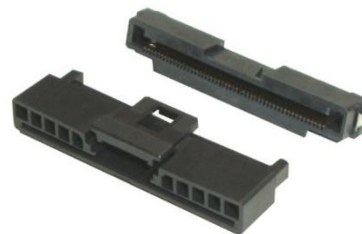
HF509 series



HF507 series



HF512 series



HF513 series



HF601 series

