

## ***Automotive HF601 ZIF Type FPC/FFC Connectors***

### **HF601 FFC/FPC Cable Connectors**

- ZIF Cap Design
- High Operating Temp.: Up to 125°C
- Automotive Grade Impact & Vibration resistance (JIS C 60068-2-32 Compliant)
- Pitch: 0.50 mm
- Available Pin Count: 10 – 60pins



[HF601-xx-02VE Series](#)

### **Automotive Grade HF601Series Family Product Details**

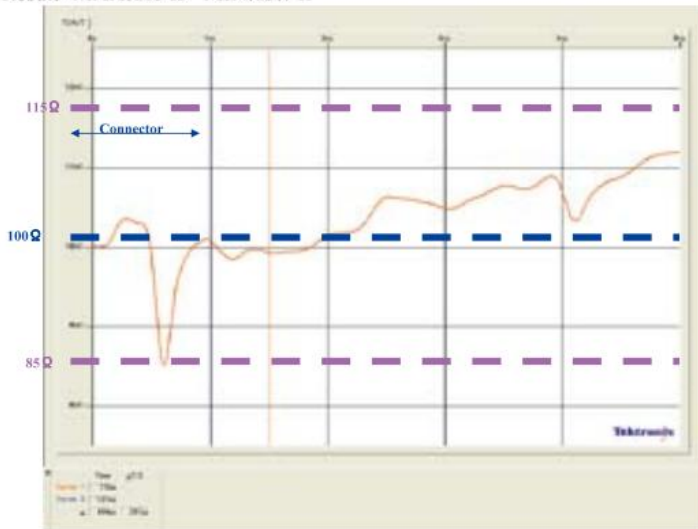
Product PN	Available Pin Count	Mounting Style	Special Features
<b>HF601-xx-02VE Series</b>	10, 20, 26, 30, 40, 45, 50,60	Right Angle	<ul style="list-style-type: none"><li>- High Operating Temperature: <b>Up to 105°C</b></li><li>- Resistance to Impact &amp; Vibration</li><li>- Supports LVDS&amp; HDMI signals</li></ul>
<b>HF601-xx-12VE Series</b>	20, 30, 40, 45, 50	Vertical, Dual Row SMT Pins	
<b>HF601-XX-14VE Series</b>	20	Vertical, Single Row SMT Pins	
<b>HF601-22-03VE</b>	22	Right Angle	<ul style="list-style-type: none"><li>- <b>3 Gbps</b> Transmission Speed (HF601-22-03VE only)</li></ul>
<b>HF601-32-22VE</b>	32	Right Angle	<ul style="list-style-type: none"><li>- Resistance to Impact &amp; Vibration</li><li>- Extreme Operating Temperature: up to <b>125°C</b></li></ul>

## ***Automotive HF601 ZIF Type FPC/FFC Connectors***

### **HF601 3Gbps High Speed Transmission Performance**

#### **Mated Connector Impedance**

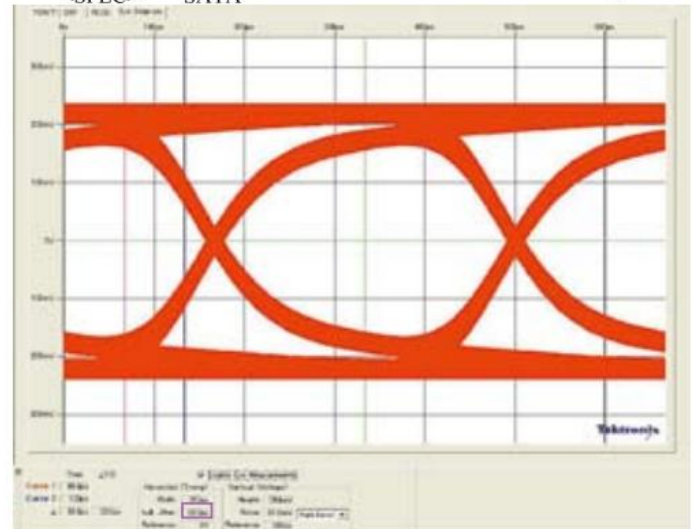
<SPEC> Mated Connector Differential Impedance 100Ohms  $\pm 15\%$  3Gbps  
<Result> MAX:103  $\Omega$  MIN:85.7  $\Omega$  TDR Tr=70ps



#### **Eye Diagram**

<SPEC> SATA

3Gbps  
TDR Tr=70ps



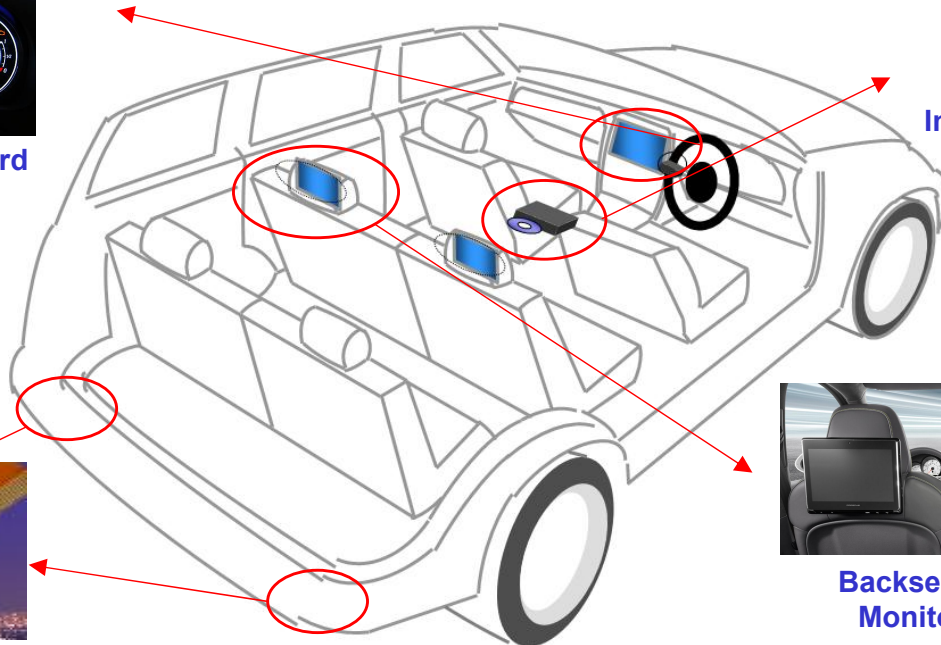
### **HF601 Series Automotive Applications**



**Internal Dashboard  
Connection**



**Internal HDD/ODD Drive  
Connection**



**ADAS Radar Camera  
Connection**



**Backseat Entertainment  
Monitor Connections**