

# CN113 Series

Automotive PCI Express  
Module Connector

ADAPT. APPLY. ADVANCE.

## CN113 Series MXM2.0/3.0 Connector

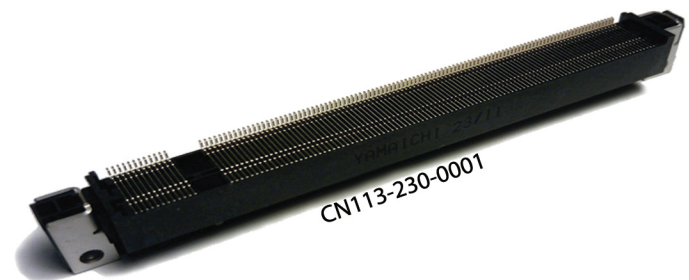
CN113-314-1001

MXM (Mobile PCI Express Module) is an interconnect standard between PC systems such as laptops and desktop computers and graphics subsystems. Yamaichi Electronics USA is proud to present our CN113 Series of MXM connectors for PCI Express-based graphics boards.

Our connectors go beyond business and personal computers. Rather, the CN113 Series is tested and qualified for embedded automotive MXM applications – Automotive Infotainment. And with this, Yamaichi has addressed certain challenges dealing with automotive applications including mechanical resistance to vibrations in vehicles, broad temperature ranges, reliable contact after vibrations and shock, and improved EMC connection.

With Yamaichi's complete MXM CN113 product solution, you can enjoy these benefits by implementing our products into your design!

- ▶ MXM2.0 & 3.0 standards SPEC compliant.
- ▶ Supports PCI Express Generation 2.0 signal.
- ▶ Great tolerance & corporeality performance.
- ▶ Meets tough automotive connector standards.
- ▶ Standard mounting & Reverse Mounting solutions (314-pin).



CN113-230-0001

Automotive Device Connector  
for PCI Express Signal

### Product Performance

Test Performance	Test Criteria
Vibration Test	800m/sec <sup>2</sup> (80G) 6msec half sine wave ±X, ±Y, ±Z x3 (x18 total)
Operation Temperature	-40°C (30min) ⇔ 85°C (30min) 1,000 cycles
Dempt Heat	85°C 85%RH, 1000hr 0.5A/Pin(GND), 0.1A/Pin(SIG)

### Ordering Information

Part Number	Generation	Mounting Method	Connector Height	Module Height	Au Plating Thickness
CN113-230-0001	MXM2.0	Standard	7.80mm	5.00mm	0.3µm
CN113-314-1001	MXM3.0	Reverse	7.80mm	5.00mm	0.3µm
CN113-314-2001	MXM3.0	Standard	7.80mm	5.00mm	0.3µm