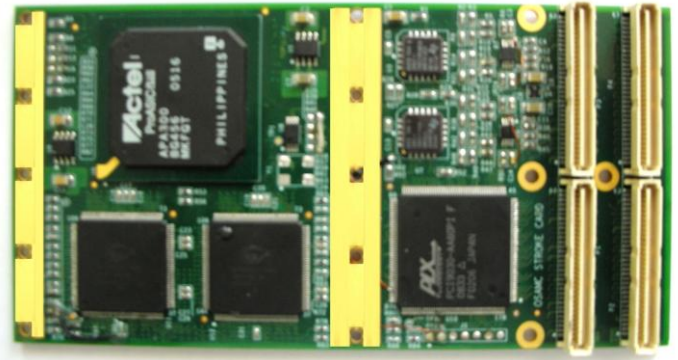




## Stroke PMC Card

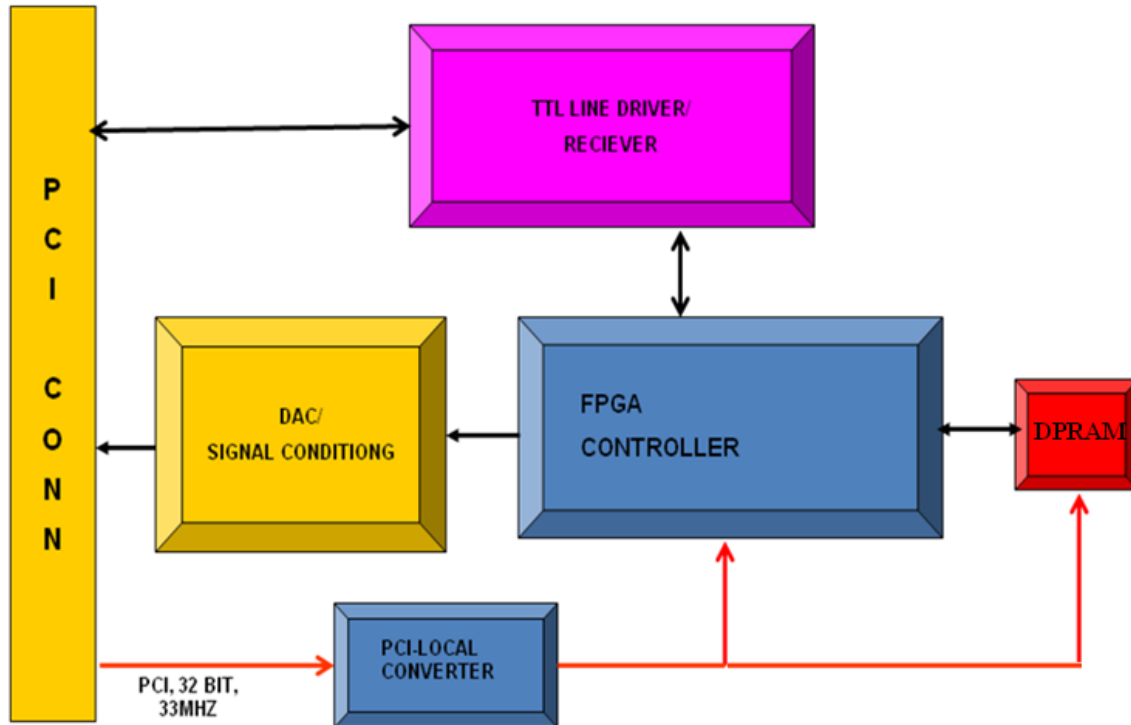
PMC (PCI Mezzanine Card) form factor, high-performance, ruggedized daughter card. The Symbol comprises X, Y coordinates of Symbols generated as per Context list received. The size and content of symbol data is dynamic. The main features of Stroke PMC are as follows;



### Features:

- ❖ Generates HUD Deflection signals
- ❖ Drives the HUD with the X, Y analog equivalent of digital data (Symbol data) received
- ❖ Handles IO and control signals between HUD and Stroke application
- ❖ Symbology generated by Stroke software residing in Stroke SBC
- ❖ Conduction cooled PMC Module
- ❖ Supports two independent HUD displays
- ❖ Processor interface through PCI communication (32 bit, 33MHz)
- ❖ Dual-ported memory cells that allow simultaneous access of the same memory location.
- ❖ Operates three modes namely Stroke, Raster and Stroke on Raster
- ❖ 14-Bit Dual Transmit Digital-to-Analog Converter (DAC)
- ❖ Neutron Immune FPGA, DO-254 compatible Verilog code
- ❖ VxWorks® 653 Workbench® 2.6 support
- ❖ Compliance with Airworthiness requirements for Airborne COTS assemblies

## Block Diagram:



## Ordering Information:

**HETL-STROKE-PMC C M 0 0 1**

