

Summary of Changes between VIPER V2I3 and V2I4

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PCB Version:	2	Schematic Version:	2
PCB Issue:	4	Schematic Issue:	4

RoHS-6 Compliance

- The VIPER V2I4 is populated with fully RoHS-6 compliant alternatives to components used on the VIPER V2I3.

Functionally Compatible VIPER V2I3 Components used on VIPER V2I4

- The StrataFlash J3 family as used on the VIPER V2I3 has being discontinued. The J3 family has been replaced by the P30 family, which offers greater memory capacity in its roadmap.
- The Sipex SP3243EU RS232 Transceivers used on the VIPER V2I3 are not available as Pb free. These have been substituted for Intersil ISL4245EIRZ, or Zywyn ZT3243LFEQ.

New Functionality for VIPER V2I4

- A USB Client connector PL17 has been added, which shares connectivity with USB Host 2 DNEG-2 and DPOS-2 signals of the USB connector PL7.
- A jumper PL4 has been added to disconnect the onboard battery on shipment of the VIPER. On installation of the VIPER the jumper must be fitted to enable battery backup operation.

Compatibility Issues between VIPER V2I3 and V2I4

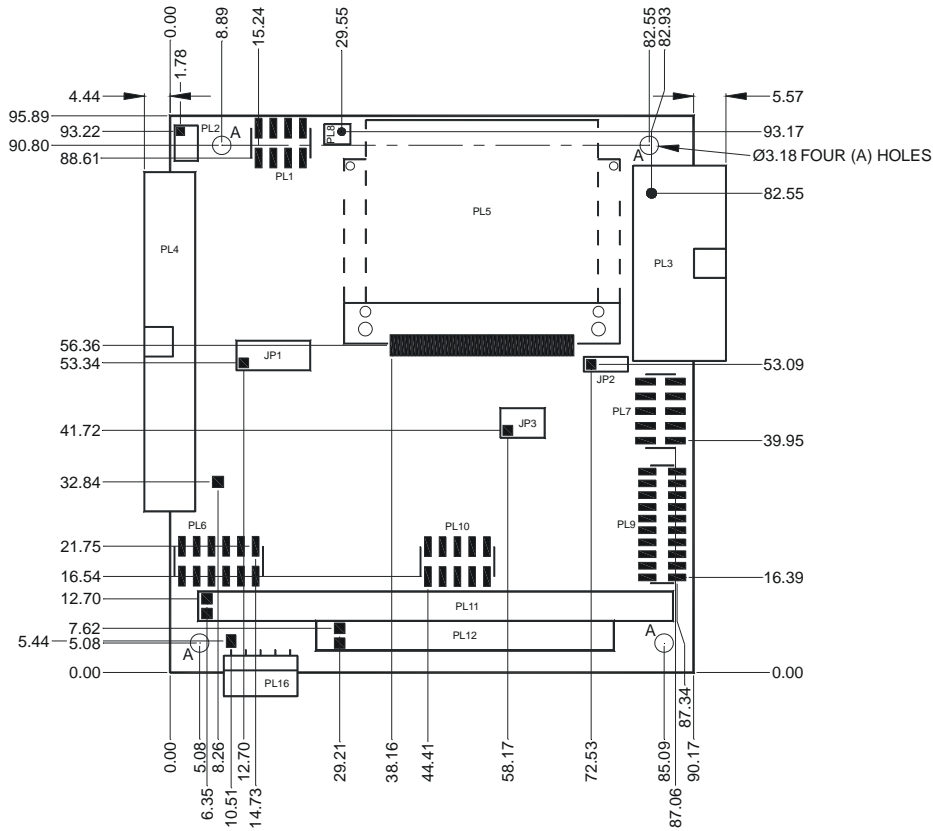
- The VIPER V2I4 has a driver update to support P30 StrataFlash devices.

Mechanical Differences between VIPER V2I3 and V2I4

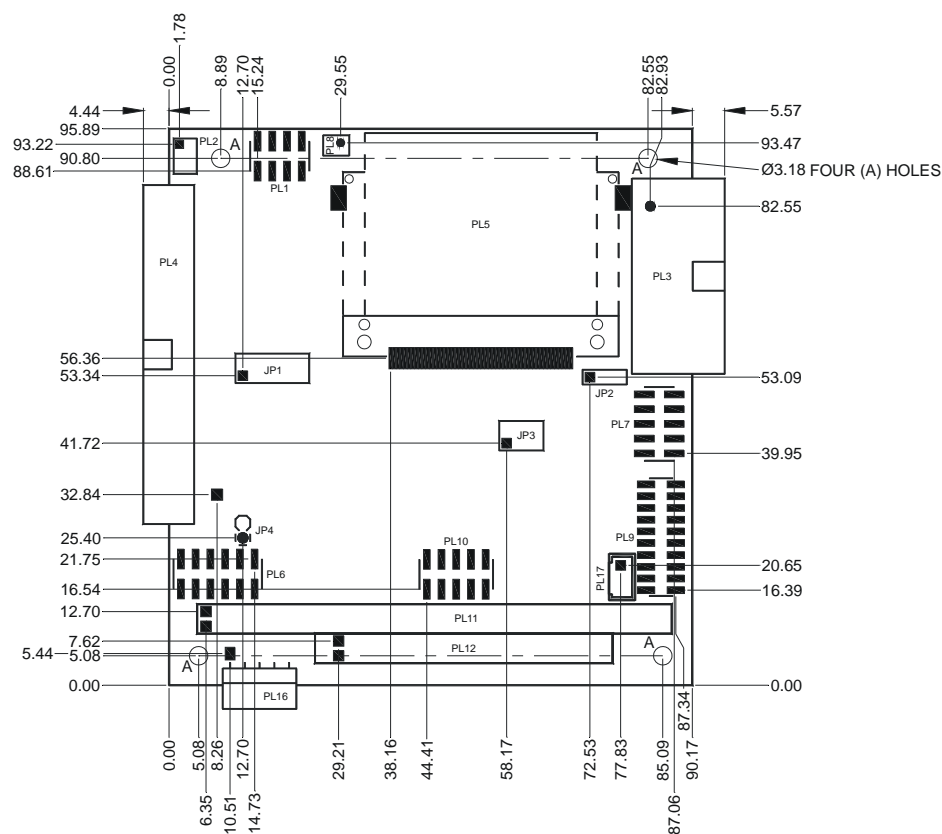
- The VIPER V2I4 has an additional connector PL17 for USB client. PL17 is fitted with a Neltron 2417SJ-03-F4, 3-way 2mm boxed header.
- The VIPER V2I4 has an additional jumper JP4 for onboard battery connect. JP4 is fitted with an Oupiin 2011-1x2GSB/SN, 2-way, 2.54mm (0.1") single row through-hole header.

Drawings of the VIPER V213 and V214 connector positions are shown on the following page.

VIPER V213 Connector Positions



VIPER V214 Connector Positions



NOTES
1) ALL CONNECTOR DIMENSIONS ARE TAKEN FROM PIN 1

If you have any questions about this or about any of our products please contact Eurotech Ltd Technical Support.

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