



Technical Information – Trenton PICMG 1.3 Backplanes Compatible with the TSB7053 (7053-xxx) System Host Board

The TSB7053 is a standard PICMG 1.3 SHB that will function with a wide variety of industry standard PICMG 1.3 backplanes. However, some non-Trenton backplanes may not utilize the full capabilities of the Trenton TSB7053 boards. The table below illustrates the TSB7053 compatibility with the current listing of Trenton PICMG 1.3 backplanes. A “Yes” in the compatible column below means that all slots on the backplane will function with a TSB7053 board. The clarification column explains any limitations of using a TSB7053 single processor SHB with a particular backplane. We are continuously adding backplanes to our product line, so contact us or visit our website to learn about the [latest Trenton PICMG 1.3 backplane availability listings](#).

| PICMG 1.3 Backplane | Compatible with TSB7053 (i.e. all backplane slots are functional) | Why not or clarification |
|---|---|---|
| <u>2U Butterfly Backplanes</u> | | |
| BPG6741 | Yes | |
| BPX6736* | Yes | |
| <u>Multi-Segment Backplanes</u> | | |
| BP6FS6605 | No | SHB segment spacing |
| BP4FS6890 | Yes, use Graphics Class configuration | |
| BP2S6929 | Yes | |
| <u>Combo Backplanes</u> | | |
| BPC7041 | No, the TSB7053 does not support the PEX10 of PCE link expansion | PEX10 needed to provide the links for BP slots PCIe 1 through PCIe4 |
| BPC7009* | Yes | |
| <u>Server-Class Backplanes</u> | | |
| BPX6806* | Yes, need IOB33 for PCIe1 slot | TSB7053 provides x4 via IOB33 |
| BPX6620* | Yes, need IOB33 for PCIe1 slot | TSB7053 provides x4 via IOB33 |
| BPX6610* | Yes | |
| BPX6571* | Yes | |
| BPX3/14* | No | Short one x4 PCIe link |
| BPX3/8* | Yes | |
| BPX6719 | Yes, need IOB33 for PCIe1 slot | TSB7053 provides x4 via IOB33 |
| BPX3/2* | Yes | |
| BPX5* | Yes, need IOB33 for PCIe1 slot | TSB7053 provides x4 via IOB33 |
| <u>Graphics-Class Backplanes</u> | | |
| BPG8032 | Yes | Available Q4, 2011 |
| BPG7087 | Yes, need IOB33 for PCIe1 slot | |
| BPG6615 | Yes | |
| BPG6600 | Yes | |
| BPG6544 | Yes | |
| BPG6714 | Yes, need IOB33 for PCIe1 slot | TSB7053 provides x4 via IOB33 |
| BPG2/2* | Yes | |
| BPG4* | Yes, need IOB33 for PCIe1 slot | TSB7053 provides x4 via IOB33 |

*Backplane does not have an SHB edge connector D slot. The backplane will function OK, but the system designer should ensure the exposed SHB edge connector D pins are protected from potential damage