

Key ASIC 180nm IP List

| IP List - 180nm CMOS / Silterra CL180G | IP Part Number |
|--|----------------|
| ANALOG AND INTERFACE IP | |
| USB 2.0 Host/Device/Phy | KA18USB20 |
| USB 2.0 OTG | KA18USBOTG20 |
| LVDS TX 165MHz | KA18GLVDSTX165 |
| LVDS RX 165MHz | KA18GLVDSRX165 |
| Ethernet 10/100 PHY | KA18ETHB33 |
| 1394 PHY | KA181394 |
| SSTL-18 (1.8V IO) | KA18SSTL18 |
| HSTL III (1.8V IO) | KA18HSTL18 |
| PCI-X (133MHz IO) | KA18PCIX133 |
| Parallel ATA IO (ATAPI) | KA18GATA100 |
| CE ATA IO | KA18GMMC41 |
| Universal Cardbus IO | KA18GCB33 |
| Voice Codec 14-bit ADC, 16-bit DAC 48 KHz | KA18VCDC |
| Audio Codec, Stereo 16-bit ADC, 16-bit-DAC | KA18ACDC |
| Bandgap Reference | KA18GBGC |
| Power On Reset | KA18GPOR01 |
| Analog Mux - 4 channel | KA18GAMX04 |
| RTC (Real Time Clock) | KA18GRTC01 |
| 3Channel 8-bit 205 MHz ADC + AFE | KA18VAFE205 |
| 3Ch 10-bit 150 MHz ADC + AFE | KA18AFE310150 |
| 3Ch 12-bit 108 MHz DAC | KA18D312110 |
| 3Ch 10-bit 115 MSPS DAC | KA18D310120 |
| 12 bit 100MHz DAC | KA18D112100 |
| 10-bit 200 MHz DAC | KA18D110200 |
| 12-bit 100 MHz ADC | KA18A112100 |
| 6-bit Slow ADC | KA18A161 |
| 2-Channel 10-bit 80Mhz A/D | KA18A21080 |
| 2-Channel 10-bit 80Mhz D/A | KA18D21080 |
| 8-channel 10-bit 1MHz A/D | KA18A8101 |
| DC-DC Converter (1.2V in, 3.3/2.5/1.8V output) | KA18DCDC18 |
| Voltage Regulator (3.3V in, 2.5/1.8V output) | KA18GVRG18 |
| 6-bit PGA 46 MHz (Programmable Gain Amplifier) | KA18GPGA64 |
| ARM Processor | |
| ARM 926EJS with 4K/8K/16K/32K I/D Cache | KA18ARM926-XX |
| ARM 946ES with 4K/8K/16K/32K I/D Cache | KA18ARM946-XX |

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