

ATLAS BUS SIGNALS								
DIN41612 96 PIN								
XBUS						YBUS		
PIN	NAME	ALTERNATE	PIN	NAME		PIN	NAME	ALTERNATE
A1	+12VDC		B1	+12VDC		C1	+12VDC	
A2	A2		B2	GND		C2	C2	
A3	A3		B3	GND		C3	C3	
A4	A4		B4	GND		C4	C4	
A5	A5		B5	GND		C5	C5	
A6	A6		B6	GND		C6	C6	
A7	A7		B7	GND		C7	C7	
A8	A8		B8	GND		C8	C8	
A9	A9		B9	GND		C9	C9	
A10	A10		B10	GND		C10	C10	
A11	A11		B11	GND		C11	C11	
A12	A12		B12	GND		C12	C12	
A13	A13		B13	GND		C13	C13	
A14	A14		B14	GND		C14	C14	
A15	A15		B15	GND		C15	C15	
A16	A16		B16	GND		C16	C16	
A17	A17		B17	GND		C17	C17	
A18	A18	SPI - nCS4	B18	GND		C18	C18	1-WIRE
A19	A19	SPI - nCS3	B19	GND		C19	C19	nRST (1)
A20	A20	SPI - nCS2	B20	GND		C20	C20	I2C - SCL
A21	A21	SPI - nCS1	B21	GND		C21	C21	I2C - SDA
A22	A22	SPI - nCS0	B22	GND		C22	C22	JTAG - TRST
A23	A23	SPI - SCK	B23	GND		C23	C23	JTAG - TMS
A24	A24	SPI - MISO	B24	GND		C24	C24	JTAG - TCK
A25	A25	SPI - MOSI	B25	GND		C25	C25	JTAG - SDO ret
A26	-12VDC		B26	-12VDC		C26	-12VDC	
A27	A27	JTAG - SDO	B27	GND		C27	C27	SPI - MOSI ovfl out
A28	-5VDC		B28	-5VDC		C28	-5VDC	
A29	A29	JTAG - SDI	B29	GND		C29	C29	SPI - MOSI ovfl in
A30	+3.3VDC		B30	+3.3VDC		C30	+3.3VDC	
A31	A31		B31	GND		C31	C31	
A32	+5VDC		B32	+5VDC		C32	+5VDC	