

## Connector service J8

PIN	NAME	DIR	DESCRIPTION	LOGIC LEVEL
1	VIN_USB	IN	USB_OTG_DETECT	TTL 5V
2	3V3	PWR	3,3V POWER SIGNAL	
3	HSUSB_DN	BI	USB OTG NEGATIVE SIGNAL	TTL 5V
4	CPLD_TDO	OUT	CPLD JTAG DATA OUT	TTL 3,3V
5	HSUSB_DP	BI	USB OTG POSITIVE SIGNAL	TTL 5V
6	CPLD_TDI	IN	CPLD JTAG DATA IN	TTL 3,3V
7	HSUSB_ID	IN	USB OTG ID SIGNAL	TTL 5V
8	CPLD_TMS	IN	CPLD JTAG TEST MODE	TTL 3,3V
9	TDI	IN	JTAG DATA IN	TTL 1,8V
10	CPLD_TCK	IN	CPLD JTAG CLOCK	TTL 3,3V
11	TDO	OUT	JTAG DATA OUT	TTL 1,8V
12	TXD3_232	OUT	DEBUG CONSOLE TX SIGNAL	RS232
13	RTCK	OUT	RETURN TEST CLOCK	TTL 1,8V
14	RXD3_232	IN	DEBUG CONSOLE RX SIGNAL	RS232
15	TCK	IN	JTAG CLOCK	TTL 1,8V
16	TRSTn	IN	JTAG RESET	TTL 1,8V
17	JTAG_EMU0	IN	JTAG_EMU0 SIGNAL	TTL 1,8V
18	TMS	IN	JTAG MODE SELECT	TTL 1,8V
19	JTAG_EMU1	IN	JTAG_EMU1 SIGNAL	TTL 1,8V
20	GND	POWER	GND POWER	