Two 1x10 headers - "standard" modem footprint				
Pin	Name	Direction	Notes	Voltage
1	Vcell	Input	3.8V power supply to cell module (3.4V to 4.2V)	
2	DOUT	Output	Main UART data out from modem	Vcell_ref
3	DIN	Input	Main UART data into modem	Vcell_ref
4	GND	n/a	0V	
5	RESERVED	n/a	Not internally connected	
6	VUSB	Input	VUSB sense	USB
7	USB_DP	I/O	USB data	USB
8	USB_DN	I/O	USB data	USB
9	DTR	Input	Main UART DTR input	Vcell_ref
10	GND	n/a	0V	
11	GND	n/a	0V	
12	CTS	Output	Main UART CTS output	Vcell_ref
13	PWR_MON	Output	Cell module power monitor: 0=off, 1=on	Vcell_ref
14	Vcell_ref	Input	I/O voltage reference (1.65V to 5.5V)	Vcell_ref
15	GND	n/a	0V	
16	RTS	Input	Main UART RTS input	Vcell_ref
17	TX_AUX	Output	Auxiliary UART data out from modem	Vcell_ref
18	RX_AUX	Input	Auxiliary UART data into modem	Vcell_ref
19	RING	Output	Ring output from modem	Vcell_ref
20	ON_OFF#	Open collector input	Cell module ON/OFF control (internally pulled up): 0=off	

Castellated Pins - Surface Mount Footprint				
Pin	Name	Direction	Notes	Voltage
1	DVI_WA0	I/O	Digital Audio Interface Word Alignment / LRCLK	1.8V
2	DVI_RX	Input	Digital Audio Interface Rx	1.8V
3	DVI_TX	Output	Digital Audio Interface Tx	1.8V
4	DVI_CLK	I/O	Digital Audio Interface BCLK	1.8V
5	Vcell	Input	3.8V power supply to cell module (3.4V to 4.2V)	
6	DOUT	Output	Main UART data out from modem	Vcell_ref
7	DIN	Input	Main UART data into modem	Vcell_ref
8	GND	n/a	0V	
9	RESRERVED	n/a	Not internally connected	
10	IO3	I/O	GPIO	1.8V
11	IO4	I/O	GPIO	1.8V
12	VUSB	Input	VUSB sense	USB
13	USB_DP	I/O	USB data	USB
14	USB_DN	I/O	USB data	USB
15	DTR	Input	Main UART DTR input	
16	GND	n/a	0V	
17	SPI_CS	I/O	SPI Chip Select	1.8V
18	SPI_MOSI	I/O	SPI_MOSI	1.8V
19	SPI_MISO	I/O	SPI_MISO	1.8V
20	SPI_CLK	I/O	SPI Clock	1.8V
21	GND	n/a	0V	
22	CELL_LED	Output	Status LED	Vcell_ref
23	CTS	Output	Main UART CTS output	Vcell_ref
24	PWR_MON	Output	Cell module power monitor: 0=off, 1=on	Vcell_ref
25	Vcell_ref	Input	I/O voltage reference (1.65V to 5.5V)	Vcell_ref
26	RTS	Input	Main UART RTS input	Vcell_ref
27	TX_AUX	Output	Auxiliary UART data out from modem	Vcell_ref
28	RX_AUX	Input	Auxiliary UART data into modem	Vcell_ref
29	DAC	Output	Digital to Analog Converter Output	1.8V
30	RING	Output	Ring output from modem	Vcell_ref
31	ON_OFF#	Open collector input	Cell module ON/OFF control (internally pulled up): 0=off	
32	CTS1	Output	Output from UART1	1.8V
33	RTS1	Input	Input to UART1	1.8V
34	IO2	I/O	GPIO	1.8V
35	RXD1	Output	Output from UART1	1.8V
36	TXD1	Input	Input to UART1	1.8V
37	IO1	I/O	GPIO	1.8V
38	GNSS_PPS	Output	1 Pulse per second	1.8V
39	GND	n/a	0V	
40	ADC	Input	Analog to Digital Converter Input	1.8V