



# 70-Pin Connector Comparison

## G30, G24, G24-Lite, C24 & H24 Modules

Version 2.0



**MODULES**   
Zero time, Zero effort

## Comparison of Module Interface Connector Signals

The following table describes the differences between the G30 (when using the board-to-board connector) G24, G24-Lite, G24-Lite Charger, C24, and H24 wireless modules interface connector signals.

Connector Pin #	G30	G24	G24-L / G24-L Charger	C24	H24
1	GND	GND	GND	GND	GND
2	GND	GND	GND	GND	GND
3	GND	GND	GND	GND	GND
4	GND	GND	GND	GND	GND
5	VCC	VCC	VCC	VCC	VCC
6	VCC	VCC	VCC	VCC	VCC
7	VCC	VCC	VCC	VCC	VCC
8	VCC	VCC	VCC	VCC	VCC
9	RTS_N	RTS_N	RTS_N	RTS_N	RTS_N
10	NC	USB_VBUS	VCHG / USB_VBUS	USB_VBUS	USB_VBUS
11	RXD_N	RXD_N	RXD_N	RXD_N	RXD_N
12	NC	USB_DP	USB_DP	USB_DP	USB_DP
13	DSR_N	DSR_N	DSR_N	DSR_N	DSR_N
14	NC	USB_DN	USB_DN	USB_DN	USB_DN
15	CTS_N	CTS_N	CTS_N	CTS_N	CTS_N
16	WKUPI_N	WKUPI_N	WKUPI_N	WKUPI_N	WKUPI_N
17	DCD_N	DCD_N	DCD_N	DCD_N	DCD_N
18	RXD_DAI	PCM_DIN	PCM_DIN	PCM_DIN	PCM_DIN
19	DTR_N	DTR_N	DTR_N	DTR_N	DTR_N
20	TXD_DAI	PCM_DOUT	PCM_DOUT	PCM_DOUT	PCM_DOUT
21	TXD_N	TXD_N	TXD_N	TXD_N	TXD_N
22	CLK_DAI	PCM_CLK	PCM_CLK	PCM_CLK	PCM_CLK
23	RI_N	RI_N	RI_N	RI_N	RI_N
24	WA0_DAI	PCM_FS	PCM_FS	PCM_FS	PCM_FS
25	RESET_N	RESET_N	RESET_N	RESET_N	RESET_N
26	WKUPO_N	WKUPO_N	WKUPO_N	WKUPO_N	WKUPO_N
27	VREF	VREF	VREF	VREF	VREF
28	GPIO1	GPIO1	GPIO1	GPIO1	GPIO1
29	NC	RXD2	NC	RXD2	RXD2
30	GPIO2	GPIO2	GPIO2	GPIO2	GPIO2
31	NC	TXD2	NC	TXD2	TXD2
32	GPIO3/SDA	GPIO3	GPIO3	GPIO3	GPIO3
33	NC	RTS2	NC	RTS2	RTS2
34	GPIO4/SCL	GPIO4	GPIO4	GPIO4	GPIO4
35	NC	CTS2	NC	CTS2	CTS2
36	GPIO5	GPIO5	GPIO5	GPIO5	GPIO5
37	ADC1	ADC1	ADC1	ADC1	ADC1

Connector Pin #	G30	G24	G24-L / G24-L Charger	C24	H24
38	GPIO6	GPIO6	GPIO6	GPIO6	GPIO6
39	NC	TXEN_N	TXEN_N	TXEN_N	TXEN_N
40	GPIO7	GPIO7	GPIO7	GPIO7	GPIO7
41	ANT_DET	ANT_DET	ANT_DET	ANT_DET	ANT_DET
42	GPIO8	GPIO8	GPIO8	GPIO8	GPIO8
43	ADC2	ADC2	ADC2	ADC2	ADC2
44	SIM_RST_N	SIM_RST_N	SIM_RST_N	UIM_RST_N	SIM_RST_N
45	NC	UID	NC	NC	USB_UID
46	SIM_CLK	SIM_CLK	SIM_CLK	UIM_CLK	SIM_CLK
47	NC	ADC3	ADC3 / BATT TEMP	ADC3	ADC3
48	SIM_VCC	SIM_VCC	SIM_VCC	UIM_VCC	SIM_VCC
49	GPRS	GPRS	GPRS	GPRS	GPRS/UMTS
50	SIM_PD_N	SIM_PD_N	SIM_PD_N	UIM_PD_N	SIM_PD_N
51	NC	IGN	IGN / USB_VBUS	IGN	IGN
52	SIM_IO	SIM_DIO	SIM_DIO	UIM_DIO	SIM_DIO
53	PWR_ON_N	ON_N	ON_N	ON_N	ON_N
54	HDST_SPK	NC	NC	NC	SPKR2
55	HDST_INT_N	HDST_INT_N	HDST_INT_N	HDST_INT_N	HDST_INT_N
56	eSIM_RESET	NC	NC	NC	NC
57	MIC_HDST	HDST_MIC	HDST_MIC	HDST_MIC / MIC_P	MIC2P (HDST_MICP)
58	NC	NC	NC	NC	GPS_PWR
59	AGND	AGND	AGND	AGND	AGND
60	VRTC	NC	NC	NC	NC
61	MIC	MIC	MIC	MIC / MIC_N	MIC1P
62	SPI_IRQ	NC	NC	NC	MIC1N
63	SPKR_N	ALRT_N	ALRT_N	ALRT_N	ALRT_N
64	SPI_MISO	NC	NC	NC	NC
65	SPKR_P	ALRT_P	ALRT_P	ALRT_P	ALRT_P
66	SPI_CLK	NC	NC	NC	NC
67	SPKR_N	SPKR_N	SPKR_N	SPKR_N	SPKR1_N
68	SPI_MOSI	NC	NC	NC	COIN CELL
69	SPKR_P	SPKR_P	SPKR_P	SPKR_P	SPKR1_P
70	SPI_CS	NC	NC	NC	MIC2N (HDST_MICN)