

Digital I/O Power select	JP15
+5VSB (default)	1-2 On
+5V	2-3 On

RS232 Power Select	JP4 (COM 1) JP7 (COM 2)
RS232 Standard (default)	1-3, 2-4 On
RS232 with power	3-5, 4-6 On

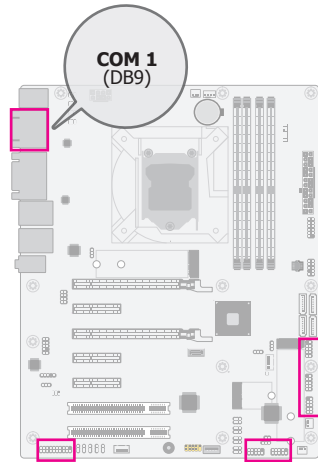
Digital I/O Output	JP11 DIO 0-3 PWR JP12 DIO 4-7 PWR JP13 DIO 8-11 PWR JP14 DIO 12-15 PWR
DIO PWR (default)	1-2 On
GND	2-3 On

COM Mode Select	JP3 (COM1) JP10 (COM2)	JP1/2 (COM 1) JP6/8 (COM 2)
RS232 (default)	1-3, 4-6 On	1-3, 2-4 On
RS422 Full Duplex	3-5, 4-6 On	3-5, 4-6 On
RS485	3-5, 2-4 On	3-5, 4-6 On

Pin Assignment

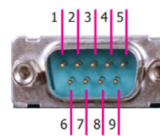
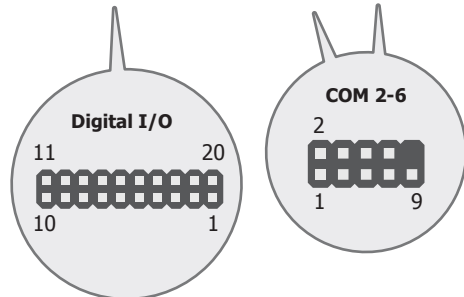
Digital I/O (DIO)

Pin	Function	Pin	Function
1	GND	11	DIO8
2	GND	12	DIO9
3	DIO7	13	DIO10
4	DIO6	14	DIO11
5	DIO5	15	DIO12
6	DIO4	16	DIO13
7	DIO3	17	DIO14
8	DIO2	18	DIO15
9	DIO1	19	GND
10	DIO0	20	---



COM Ports (COM 1-6)

Pin	RS232	RS232 with Power	RS422 Full Duplex	RS485
1	DCD-	+12V	RX+	DATA+
2	SIN-	SIN-	RX-	DATA-
3	SO-	SO-	TX+	NC
4	DTR-	DTR-	TX-	NC
5	GND	GND	GND	GND
6	DSR-	DSR-	NC	NC
7	RTS-	RTS-	NC	NC
8	CTS-	CTS-	NC	NC
9	RI-	+5V	NC	NC



Note: All three modes, i.e. RS232, RS422, and RS485 are available for COM 1 & 2. Only RS232 is available for COM 3 - 6. RS232 with power is only available for COM 1 & 2.

Front Panel

	Pin	Assignment		Pin	Assignment
	1	N.C.	P W R - L E D A T X - S W	2	V_SUS_LED
HDD-LED	3	3V3		4	V_SUS_LED
	5	HD_LED		6	SUS_LED
RESET	7	Ground		8	Ground
	9	SYS_RST		10	PWR_BTN-
	11	N.C.		12	---

S/PDIF

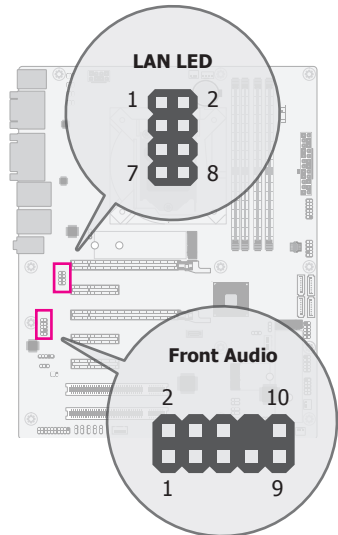
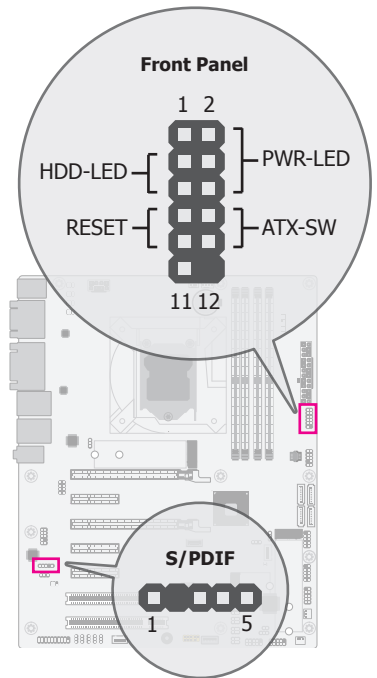
Pin	Assignment	Pin	Assignment
1	+5V	2	---
3	SPDIF Out	4	GND
5	SPDIF In		

LAN LED

Pin	Assignment	Pin	Assignment
1	GBE_LED_1000-	2	GBE_LED_100-
3	GBE_LED_LINK_ACT-	4	3V3DU
5	LINK_1000_2	6	LINK_100_2
7	LINK_ACTIVITY_2	8	3V3DU

Front Audio

Pin	Assignment	Pin	Assignment
1	Mic2-L	2	GND
3	Mic2-R	4	N.C.
5	Line2-R	6	Mic2-JD
7	Front I/O Sense	8	---
9	Line2-L	10	Line2-JD



LPC

Pin	Assignment	Pin	Assignment
1	L_CLK	2	L_AD1
3	L_RST#	4	L_AD0
5	L_FRAME#	6	3V3
7	L_AD3	8	GND
9	L_AD2	10	---
11	INT_SERIRQ	12	GND
13	5VSB	14	5V

PS2

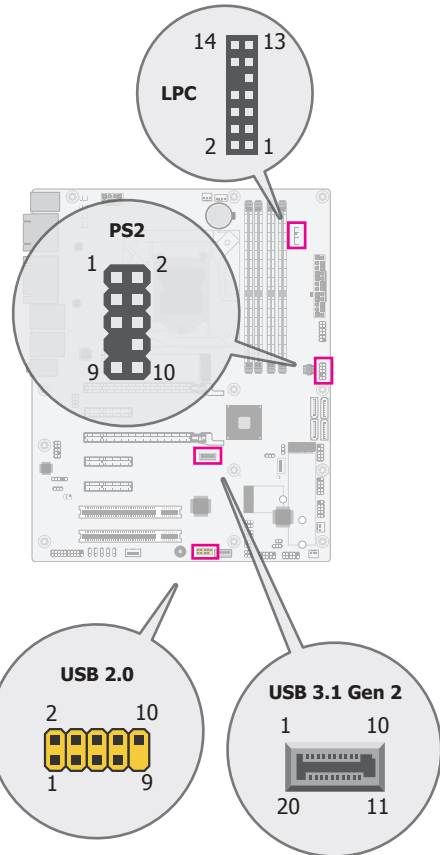
Pin	Function	Pin	Function
1	CLK	2	CLK
3	DAT	4	DAT
5	GND	6	GND
7	---	8	GND
9	BVCC	10	DIO12

USB 3.1 Gen 2 Headers (USB 5/6)

Pin	Assignment	Pin	Assignment
1	GND	11	GND
2	USB3_TX5+	12	USB3_TX6-
3	USB3_TX5-	13	USB3_TX6+
4	GND	14	GND
5	USB3_RX5+	15	USB3_RX6-
6	USB3_RX5-	16	USB3_RX6+
7	GND	17	GND
8	D11+	18	D12+
9	D11-	19	D12-
10	SBV6	20	SBV6

USB 2.0 Headers (USB 11/12)

Pin	Assignment	Pin	Assignment
1	VCC	2	VCC
3	Data-	4	Data-
5	Data+	6	Data+
7	GND	8	GND
9	---	10	N.C.



DFI reserves the right to change the specifications at any time prior to the product's release. For the latest information about the product, please visit the document download page at go.dfi.com/CMS630, or via the QR codes to the right.



CMS630