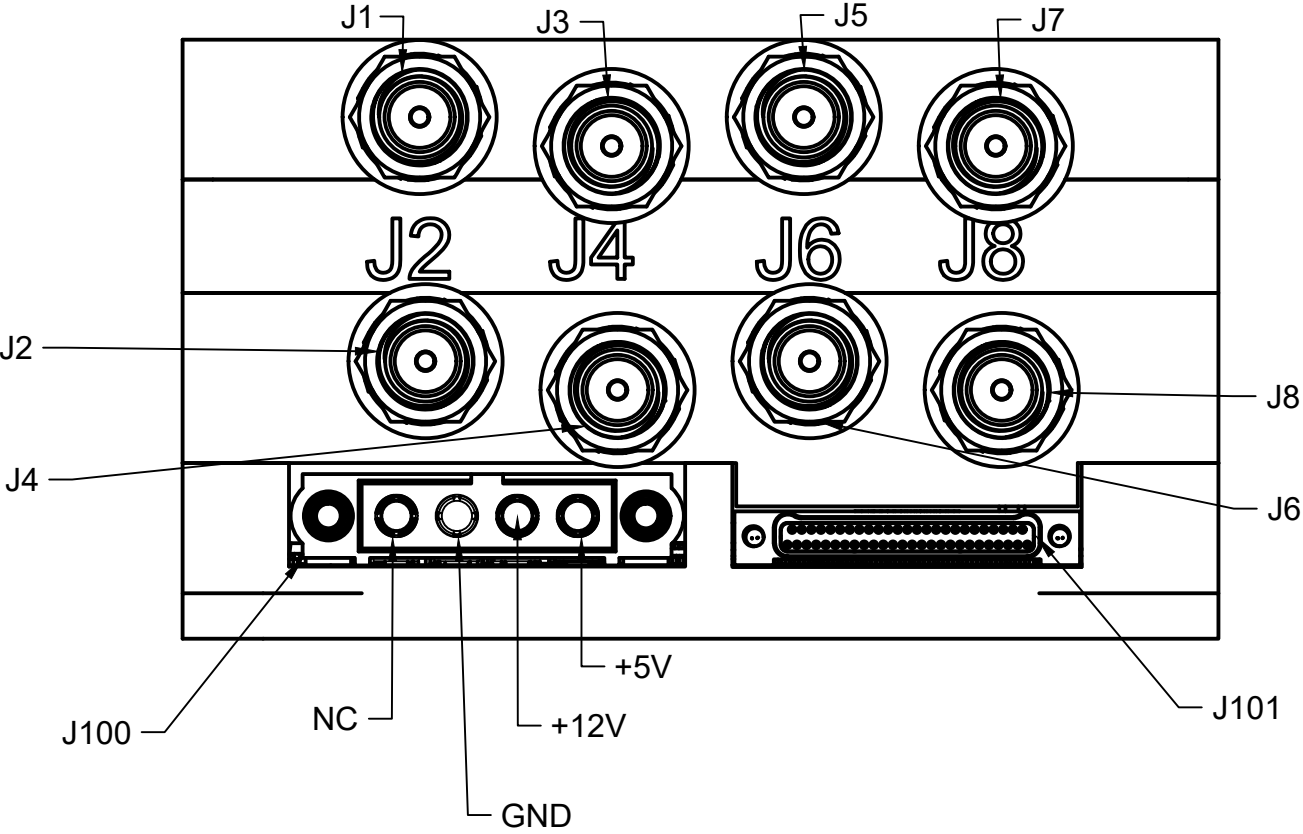


		PROJECT Ocupoint			
		TITLE 0C-905-4-05 Mechanical ICD			
APPROVED	SIZE	CODE	DWG NO	REV	
CHECKED	B				
DRAWN	Eugene Pentland 8/29/2024	SCALE 1:2	WEIGHT	SHEET 1/3	

Front

J No.	Part No.	Cable Type
J101	A29400-051	I/O
J101-Harness	A28000-051	I/O
J100	M80-5000000M5-04-333-00-000	Power
J100-Harness	M80-4000000F1-04-326-00-000	Power

J No.	Channel	TX/RX	DIR
J1	1	TX	RF OUT
J2	1	TX	IF IN
J3	2	RX	RF IN
J4	2	RX	IF OUT
J5	3	TX	RF OUT
J6	3	TX	IF IN
J7	4	RX	RF IN
J8	4	RX	IF OUT

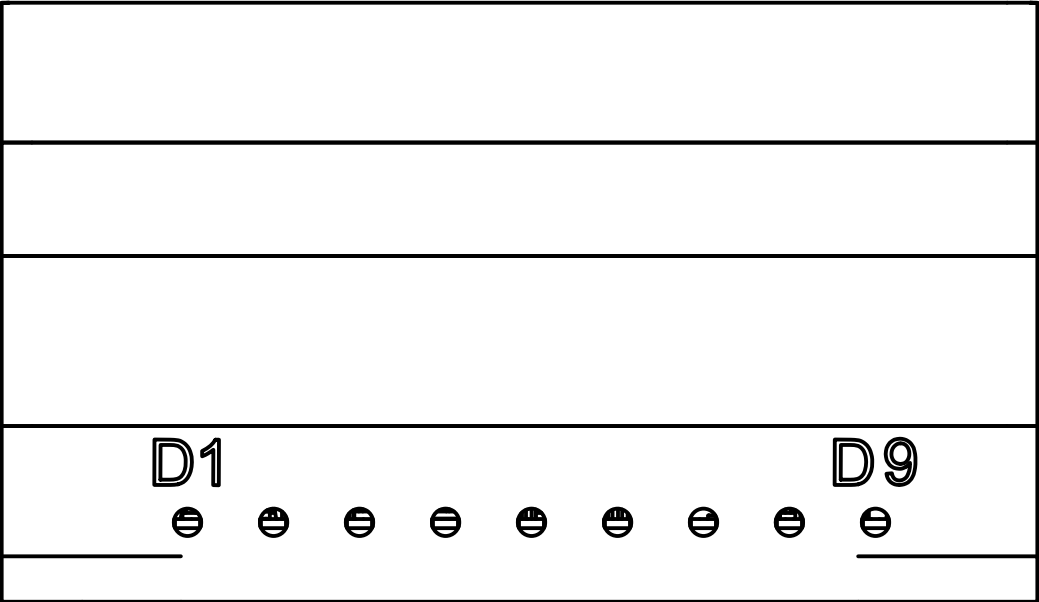


		PROJECT Ocupoint			
		TITLE 0C-905-4-05 Mechanical ICD			
APPROVED		SIZE	CODE	DWG NO	REV
CHECKED		B			
DRAWN	Eugene Pentland 8/29/2024	SCALE 1:2	WEIGHT	SHEET 2/3	

J100 Pinout			
Pin No.	Name	Pin No.	Name
1	NC	27	USB_N
2	NC	28	USB_P
3	NC	29	GND
4	NC	30	GND
5	NC	31	USB_PWR
6	MOSI_PRF	32	NC
7	SCLK_PRF	33	NC
8	MISO_PRF	34	GND
9	SCLK_CD	35	GND
10	CS_C	36	GND
11	SW_AB	37	GND
12	CS_B	38	GND
13	MOSI_AB	39	GND
14	SCLK_AB	40	GND
15	CS_A	41	NC
16	MISO_AB	42	NC
17	PLL_SYNC	43	NC
18	SW_CD	44	NC
19	MISO_CD	45	NC
20	CS_D	46	GND
21	MOSI_CD	47	GND
22	CS_IO_PRF	48	USB_EN
23	CLK_SELECT	49	NC
24	NC	50	EXT_REF_IN_P
25	GND	51	EXT_REF_IN_N
26	GND		

Omnetics interface supports 1.8V Logic Levels.

LED Indicators	
D1	+5V
D2	+3.3V
D3	CLK_SELECT
D4	PLL_LOCK_AB
D5	PLL_LOCK_CD
D6	SW_AB
D7	SW_CD
D8	USB_EN
D9	+5V Regulated



Name	Default State	High State	Low State
CLK_SELECT	High	Internal Clock	External Clock
USB_EN	Low	USB Enabled	Omnetics Enable



	PROJECT Ocupoint			
	TITLE 0C-905-4-05 Mechanical ICD			
	APPROVED	SIZE	CODE	DWG NO
	CHECKED	B		
DRAWN Eugene Pentland 8/28/2024		SCALE 1:2		WEIGHT
				SHEET 3/3