

Overhead Rail Pinout

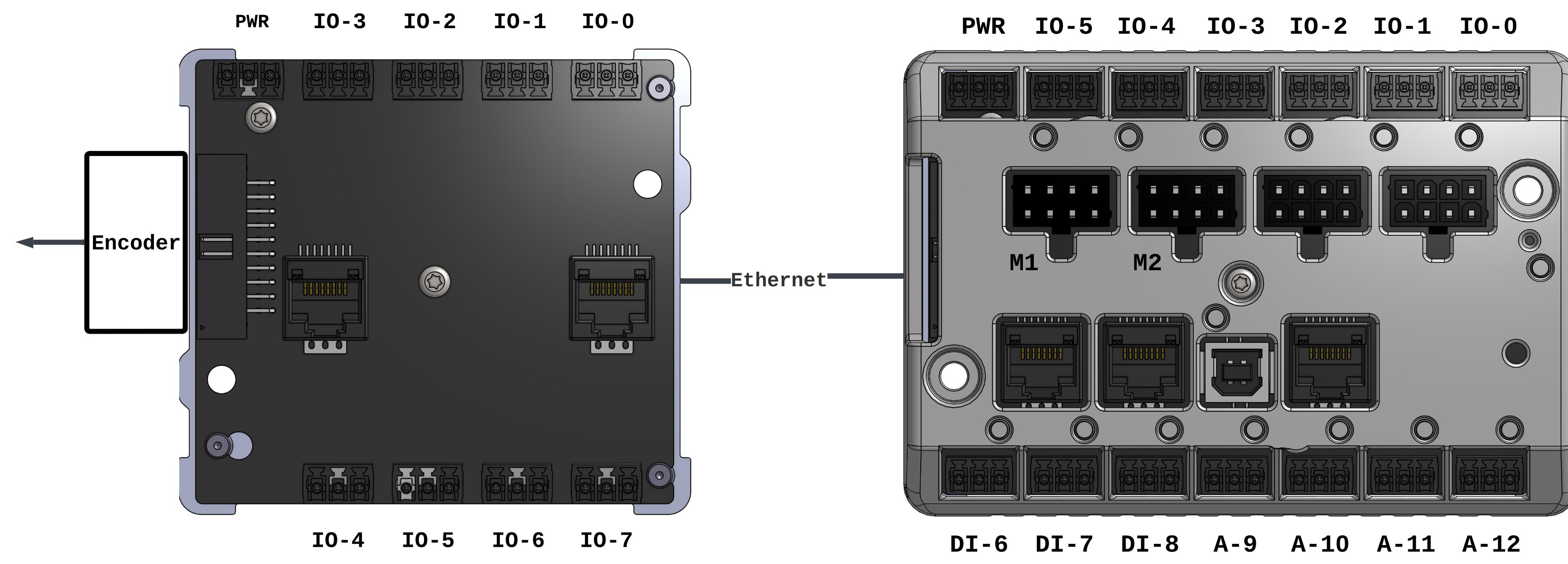
CCIO Pin	Description	40 MIL	Connector
CCIO IO-0	Rail 2 Carriage Presence Sensor	12 (B6)	6
CCIO IO-1	Rail 2 Labware Presence Sensor	14 (B7)	7
CCIO IO-2	Rail 2 Carriage Presence Sensor	16 (B8)	8
CCIO IO-3	x	18 (B9)	9
CCIO IO-4	Valve Write	20 (B10)	10
CCIO IO-5	Valve Sensor 1 (Extended)	22 (B11)	11
CCIO IO-6	Valve Sensor 2 (Retracted)	24 (B12)	12
CCIO IO-7	x	26 (B13)	13

ClearCore Pin	Description	40 MIL	Connector
IO-0	x	x	x
IO-1	Rail 1 - Workcell 2 Carriage Presence Sensor	2 (B1)	1
IO-2	Rail 1 - Workcell 2 Labware Presence Sensor	4 (B2)	2
IO-3	Rail 1 - Workcell 1 Carriage Presence Sensor	6 (B3)	3
IO-4	Rail 1 - Workcell 1 Labware Presence Sensor	8 (B4)	4
IO-5	Rail 1 - Workcell 3 Carriage Presence Sensor	10 (B5)	5
A9	Rail 1 - Workcell 3 Labware Presence Sensor	28 (B14)	14
A10	Air Pressure Sensor	30 (B15)	15
A11	x	32 (B16)	16
A12	E-STOP	x	x

Description	40 MIL
24V Power	40 (B20)
24V Ground	37 (A19)



40 MIL Connector



CCIO-8

ClearCore Controller



Sensor Terminal