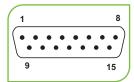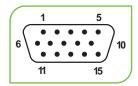# MKS Series 390/392 Micro-Ion® Module Pinouts

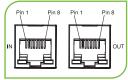| Pin	Analog No Set Point Relays	Analog/RS485/DeviceNet No Set Point Relays	Analog/RS485DeviceNet Two Set Point Relays	Analog/RS485/DeviceNet Three Set Point Relays	EtherCAT High Density sub D Two Set Point Relays	RJ45 EtherCAT IN/OUT
1	Analog Output 2	Analog Output 2	Relay 1 Common	Relay 1 Common	No Connection	TX+
2	Analog Output 1	Analog Output 1	Analog Output 1	Analog Output 1	No Connection	TX-
3	Gauge Off	Gauge Off	Gauge Off	Gauge Off	24 VDC Power Input (+)	RX+
4	No Connection	No Connection	Relay 1 Normally Open	Relay 1 Normally Open	24 VDC Power Ground (-)	NC
5	24 VDC Power Ground (-)	24 VDC Power Ground (-)	24 VDC Power Ground (-)	24 VDC Power Ground (-)	Analog Output 1	NC
6	No Connection	No Connection	Relay 1 Normally Closed	Relay 3 Normally Open	Signal Common	RX-
7	Degas On	Degas On	Degas On	Degas On	Chassis Ground	NC
8	24 VDC Power Input (+)	24 VDC Power Input (+)	24 VDC Power Input (+)	24 VDC Power Input (+)	No Connection	NC
9	No Connection	No Connection	Relay 2 Common	Relay 2 Common	No Connection	
10	No Connection	No Connection	Relay 2 Normally Closed	Relay 3 Normally Common	Relay 1 Normally Closed	
11	No Connection	No Connection	Relay 2 Normally Open	Relay 2 Normally Open	Relay 1 Common	
12	Signal Common	Signal Common	Signal Common	Signal Common	Relay 1 Normally Open	
13	No Connection	RS485 + (B)	RS485 + (B)	RS485 + (B)	Relay 2 Normally Closed	
14	No Connection	RS485 - (A)	RS485 - (A)	RS485 - (A)	Relay 2 Common	
15	Calibration	Calibration	Calibration	Calibration	Relay 2 Normally Open	

15 pin D Sub Connector

15 pin D Subminiature EtherCAT Connector

RJ45 EtherCAT IN/OUT Connector

DeviceNet™

3 (–) VDC (Ground)
2 (+) 24 VDC
1 Chassis

4 CAN_H
3 (–) VDC (Ground)
2 (+) 24 VDC
5 CAN_L
1 Shield