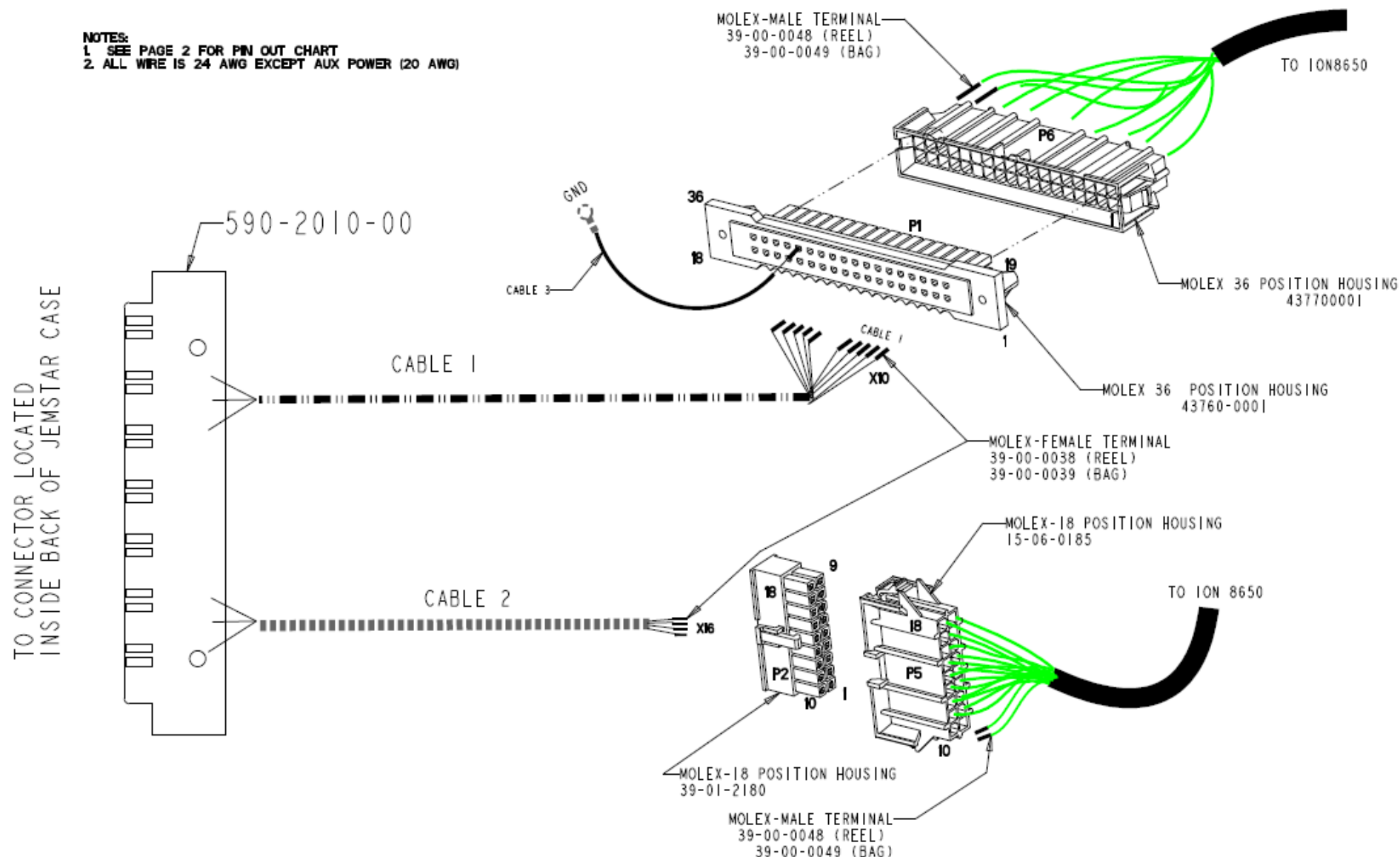


NOTES:

1. SEE PAGE 2 FOR PIN OUT CHART
2. ALL WIRE IS 24 AWG EXCEPT AUX POWER (20 AWG)



A	5/21/2021	MS			INITIAL RELEASE	
REV.	DATE	BY	CHK	APVD	REVISION DESCRIPTION	
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				DATE: 5/21/2021	(SUSI # SWIITSJ_-JEMS24i-M8650)	
				CHK:		
Sheet 1 of 1				DWG. No. 650-2014-06-A		REV. A

PCB / TB (28 pos)	Wire Length	Function - KYZ Board w/ RS-485	Cable ID	ION 8650 Description	Internal Plug	Pin	Wire Color	5/21/2021 650-2014-06-A
1 (RJ45-1)	4"	Ethernet Tx +	Cable 1	ETHERNET-TXP	P1	28	BLACK	
2 (RJ45-2)	4"	Ethernet Tx -	Cable 1	ETHERNET-TXN	P1	27	RED	
3	3"	K2	Cable 2	OUTPUT C2-K	P2	6	BLUE	
4	3"	Y1	Cable 2	OUTPUT C1-Y	P2	4	GREEN	
5	3"	Z1	Cable 2	OUTPUT C1-Z	P2	2	WHITE	
6	2.5"	Y2	Cable 2	OUTPUT C2-Y	P2	5	ORANGE	
7	2.5"	Z2	Cable 2	OUTPUT C2-Z	P2	3	RED	
8	2.5"	K1	Cable 2	OUTPUT C1-K	P2	1	BLACK	
9	2.5"	Z4	Cable 2	OUTPUT C4-Z	P2	9	GREEN	
10	2.5"	K3	Cable 2	OUTPUT C3-K	P2	7	WHITE	
11	2.5"	Y4	Cable 2	OUTPUT C4-Y	P2	11	BLUE	
12	2.5"	K4	Cable 2	OUTPUT C4-K	P2	12	BROWN	
13	2.5"	Y3	Cable 2	OUTPUT C3-Y	P2	10	YELLOW	
14	2.75"	Z3	Cable 2	OUTPUT C3-Z	P2	8	RED	
15	4.5"	RS-485 XMT/RCV+	Cable 1	COM4 RS-485 +	P1	1	RED	
16	4.5"	RS-485 /RCV-	Cable 1	COM4 RS-485 -	P1	2	BLACK	
17 (RJ45-3)	4"	Ethernet RX +	Cable 1	ETHERNET-RXP	P1	26	GREEN	
18 (RJ45-6)	4"	Ethernet RX -	Cable 1	ETHERNET-RXN	P1	25	YELLOW	
19	3"	SCOM	Cable 2	DIGITAL INPUT SCOM	P2	15	BROWN	
20	3"	S1	Cable 2	DIGITAL INPUT S1	P2	16	BLUE	
21	3.5"	RS-485 -	Cable 1	COM1 RS-485 -	P1	12	BLACK	
22	3.5"	RS-485 +	Cable 1	COM1 RS-485 +	P1	11	WHITE	
23	3.5"	RS232 GND	Cable 1	COM1 RS-232 GND	P1	10	PURPLE	
24	3.5"	RS232 TX	Cable 1	COM1 RS-232 TXD	P1	7	GRAY	
25	3.5"	RS232 RX	Cable 1	COM1 RS-232 RXD	P1	6	PURPLE	
26	3.5"	Aux Power L	Cable 1	AUX Power L(+)	P1	35	RED	
27	4.5"	No CONN						
28	3.5"	Aux Power N	Cable 1	AUX Power N(-)	P1	34	BLACK	
Pin on back of case	3.5"	GND	Cable 3	AUX Power GND	P1	33	GREEN	

Connectors			
P1	36 pin Molex connector		Internal
P2	18 pin Molex connector		Internal
PCB /TB	28 Pin Ampinol Connector on Back of case		External