

ION 8650 Retrofit JEMSTAR Cable Connections (SUSI # SWIITSJ_-JEMS4-M8650) Function - KYZ Board w/ RS-485

PCB / TB (28 pos)	Wire Length	Function - KYZ Board w/ RS-485	Cable ID	ION 8650 Description	Internal Plug	Pin	Wire Color	7/4/2018 650-2014-01-E
1 (RJ11-4)	4"	Ring	Cable 1	MODEM-RING	P1	30	GREEN	
2 (RJ11-3)	4"	Tip	Cable 1	MODEM-TIP	P1	29	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	3"	Y5	Cable 2	OUTPUT A1-Y	P2	14	YELLOW	
16	3"	K5	Cable 2	OUTPUT A1-K	P2	13	GRAY	
17 (RJ45-1)	4"	Ethernet Tx +	Cable 1	ETHERNET-TXP	P1	28	Purple	
18 (RJ45-2)	4"	Ethernet Tx -	Cable 1	ETHERNET-TXN	P1	27	Green	
19 (RJ45-3)	4"	Ethernet RX +	Cable 1	ETHERNET-RXP	P1	26	Pink	
20 (RJ45-6)	4"	Ethernet RX -	Cable 1	ETHERNET-RXN	P1	25	Brown	
21	4"	IRIG-B +	Cable 2	IRIG-B+	P2	17	Brown	
22	4"	IRIG-B -	Cable 2	IRIG-B-	P2	18	ORANGE	
23		No Connection						
24		No Connection						
25	4.5"	RS-485 XMT/RCV+	Cable 1	COM4 RS-485 DATA +	P1	1	Red	
26	3.5"	Aux Power L	Cable 1	AUX Power L(+)	P1	35	Red	
27	4.5"	RS-232 XMT/RCV-	Cable 1	COM4 RS-485 DATA -	P1	2	Black	
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