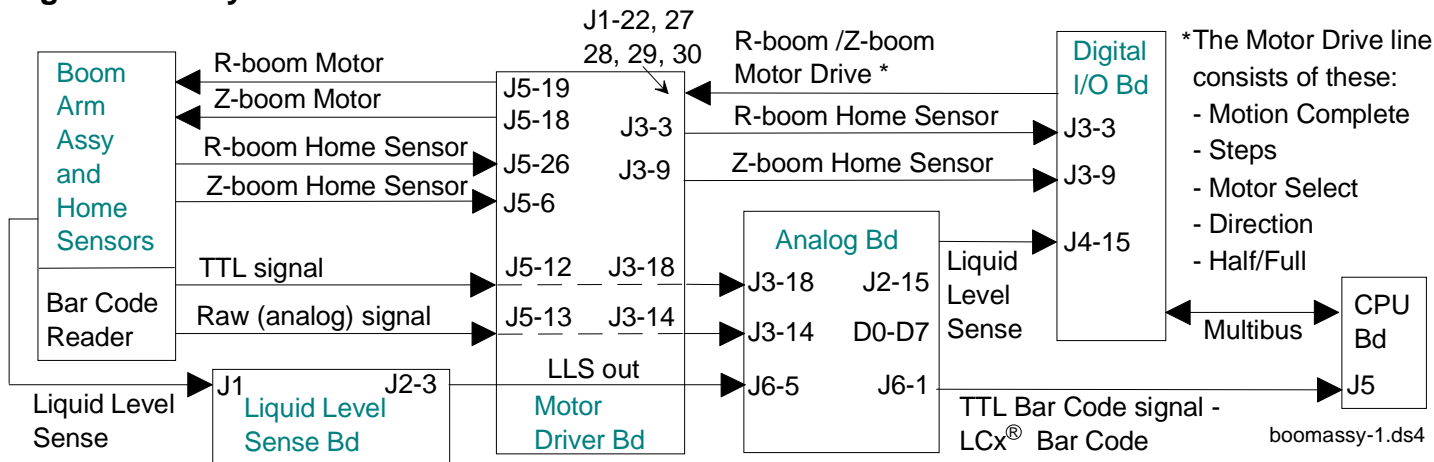
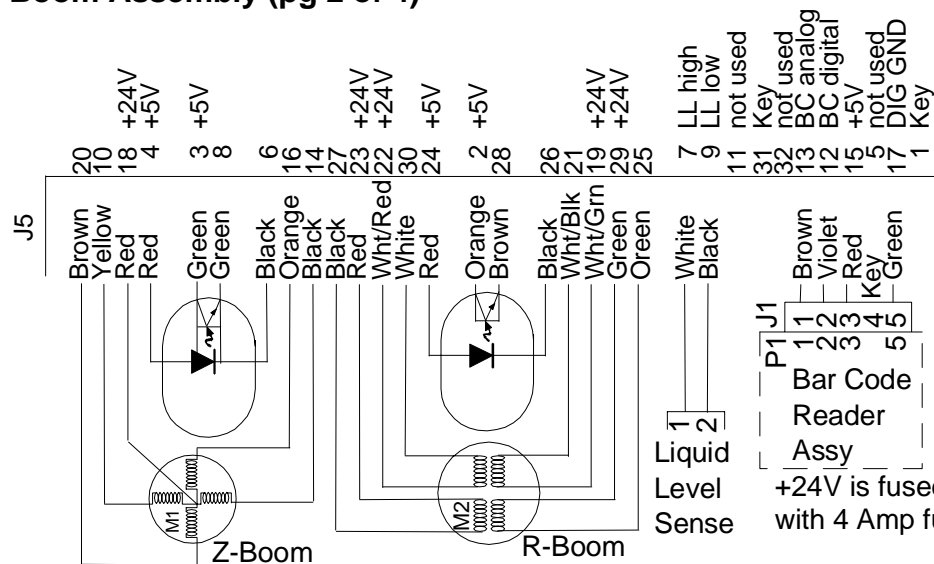


Boom Assembly (pg 1 of 4)

Signal Pathway



Boom Assembly (pg 2 of 4)



boomassy-2.ds4

Boom Arm (pg 3 of 4)

Connector Pin Callouts

From Boom Assembly

From Boom Assy	To	Remarks	Color
J5 - 1		KEY	
J5 - 2	S2 - 3	+5V	Orange
J5 - 3	S1 - 3	+5V	Orange
J5 - 4	S1 - 1	+5V	Red
J5 - 5		not used	
J5 - 6	S1 - 1		Black
J5 - 7	F2 - 7	LL HIGH	White
J5 - 8	S1 - 4		Brown
J5 - 9	P2 - 2	LL LOW	Black
J5 - 10	M1		Yellow

From Boom Assembly (cont)

From Boom Assy	To	Remarks	Color
J5 - 11		not used	
J5 - 12	J1 - 2	Bar Code Digital Out	Violet
J5 - 13	J1 - 1	Bar Code Analog Out	Brown
J5 - 14	M1		Black
J5 - 15	J1 - 5	+5V	Red
J5 - 16	M1		Orange
J5 - 17	M2	DIG GND	Green
J5 - 18	M1	+20V	Red

Boom Arm (pg 4 of 4)

Connector Pin Callouts (cont)

From Boom Assembly (cont)

From Boom Assy	To	Remarks	Color
J5 - 19	M2	+20V	White/Green
J5 - 20	M2		Brown
J5 - 21	M2		White/Black
J5 - 22	S2 - 1	+20V	White/Red
J5 - 23	M2	+20V	Red
J5 - 24	S2 - 2	+5V	Red
J5 - 25	M2		Orange

From Boom Assembly (cont)

From Boom Assy	To	Remarks	Color
J5 - 26	S2 - 4		Black
J5 - 27	M2		Black
J5 - 28	M2		Brown
J5 - 29		+20V	Green
J5 - 30			White
J5 - 31		KEY	