

# A440104d Wiring Chart

<b>Connector 1 - Assy S047110</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-1	+DR
D	Blue	TB2-2	-DR
B	Yellow	TB2-3	TXO+
E	Green	TB2-4	TXO-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 2 - Assy S047120</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-6	+DR
D	Blue	TB2-7	-DR
B	Yellow	TB2-8	TX1+
E	Green	TB2-9	TX1-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 3 - Assy S047131</b>			
Pin	Wire	Terminal Block	Label
N	Red	TB3-1	+DR
J	Yellow	TB3-3	AIN1
D	Blue	TB3-4	-DR
B	Black	TB3-5	OV
E	Green	TB3-7	AIN2
A	Brown	<b>NOT USED</b>	
G	Violet	TB5-16	ATBIN
L	White	TB6-5	DOUT4
R	Orange	TB7-11	RL2-NO
Pins C, F, H, K, M, P are not used			

<b>Connector 4 - Assy S047140</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB3-6	+DR
A	Green	TB3-8	AIN3
D	Blue	TB3-10	-DR
B, E	not used		

**C5 - No connector, Hole Seal P040134**

<b>Connector 6 - Assy S047160</b>			
Pin	Wire	Terminal Block	Label
B	White	TB3-13	AIN 5
E	Green	TB3-14	AIN 6
D	Black	TB7-1	-CL
C	Red	TB7-2	+CL
A	not used		

<b>Connector 7 - Assy S047170</b>			
Pin	Wire	Terminal Block	Label
B	Black	TB6-9	0V
F	Yellow	TB6-10	+5VA
N	Red	TB6-11	+5VB
A	White	TB6-12	DA
E	Green	TB6-13	DB
D	Blue	TB6-14	RES
C	Violet	TB6-15	0V
Pins G, H, J, K, L, M, P, R not used			

<b>Connector 8 - Assy S047180</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB1-4	B+
D	Black	TB1-5	B-
B	White	TB7-7	RL1-C
E	Orange	TB7-11	RL2-NO
A	not used		

<b>KEY SWITCH Top Plate Assy S440150</b>			
Pin	Wire	Terminal Block	Label
8	Red	TB7-7	C
2	Black	TB7-8	NO
7	Yellow	TB5-10	DIN10

<b>A2B Board Assy S440200</b>			
Wire	Color	Terminal Block	Label
1	Red	TB7-2	+CL
2	Red	TB3-12	+DR
3	Black	TB7-1	-CL
4	Blue	TB3-15	-DR
A2BOUT	White	TB5-13	DIN13
A2BLO	Violet	TB5-16	ATBIN
RLOUT	White	TB6-2	DOUT1
+VP	Yellow	TB4-3	+VP
0V	Black	TB4-8	0V
+5V	Red	TB6-10	+5A
A2BHI	Orange	Not used, Tie Wrap	

**20awg Jumper Wires**  
Red Wire from TB4-2 to TB7-4

**Buss Bar P043005**  
From TB1-1 to TB1-2,3,4 (4 pins)  
From TB7-8 to TB7-10 (2 pins)

**1N6285A Diode P022003 - RTV on the back**  
Solder the Striped End to TB7-11  
Solder the Black End to TB6-15

**470ohm Res. From TB6-5 to TB7-4**

# A440105 Wiring Chart

<b>G1</b>		
Wire	Terminal Block	Label
Red	TB1-4	B+
Black	TB1-5	B-
White	TB5-5	DIN5
Green	TB5-6	DIN6

<b>G2</b>		
Wire	Terminal Block	Label
Red	TB2-6	+DR
Blue	TB2-7	-DR
Yellow	TB2-8	TX1+
Green	TB2-9	TX1-

**TWIST THE GREEN AND YELLOW WIRES**

<b>G3</b>		
Wire	Terminal Block	Label
Red	TB2-1	+DR
Blue	TB2-2	-DR
Yellow	TB2-3	TXO+
Green	TB2-4	TXO-

**TWIST THE GREEN AND YELLOW WIRES**

<b>G4</b>		
Wire	Terminal Block	Label
Brown	TB1-3	B+
Red	TB3-6	+DR
Yellow	TB3-7	AIN2
Green	TB3-8	AIN3
Blue	TB3-10	-DR
Orange	TB5-14	DIN14
White	TB5-15	DIN15
Black	TB5-16	ATBIN

**G5 - EMPTY**

<b>G6</b>		
Wire	Terminal Block	Label
Red	TB4-4	+VP
Black	TB4-8	0V
White	TB5-7	DIN7
Green	TB5-8	DIN8
Yellow	TB5-11	DIN11
Blue	TB5-12	DIN12

<b>16 Awg Jumper Wires</b>		
Red from TB1-1 (+B) to TB7-4 (Spare-C)		
Red from TB7-4 (Spare-C) to TB7-7 (RL1-C)		

<b>G7</b>		
Wire	Terminal Block	Label
Black	TB4	0V
Yellow	TB6-10	+5VA
Red	TB6-11	+5VB
White	TB6-12	DA
Green	TB6-13	DB
Blue	TB6-14	RES
Orange	TB6-15	0V

<b>G8</b>		
Wire	Terminal Block	Label
Red	TB5-1	DIN1
Green	TB7-05	RLS N/O
White	TB7-11	RL2 N/O

<b>KEY SWITCH on Top Plate Assy S440150</b>			
Pin	Wire	Terminal Block	Label
8	Red	TB7-7	RL1 C
2	Black	TB7-8	RL1 N/O
7	Yellow	TB5-10	DIN10

<b>A2B Board Assy S440200</b>			
Pin	Wire	Terminal Block	Label
1	Red	TB4-3	SPARE
2	Red	TB3-12	+DR
3	Black	TB4-2	SPARE
4	Blue	TB3-15	-DR
A2BOUT	White	TB5-13	DIN13
A2BLO	Violet	TB5-16	ATBIN
RLOUT	White	TB6-2	DOUT1
+VP	Yellow	TB4-3	+VP
0V	Black	TB4-5	0V
+5V	Red	TB6-10	+5VA
A2BHI	Orange	not used	

<b>BUSS BAR P043005</b>	
Add a Buss Bar from TB1-1 to TB1-2,3,4	
Add a Buss Bar from TB7-8 to TB7-10	

<b>1N6285 Diode P022003 - RTV on the back</b>	
Solder the Striped End to TB7-11	
Solder the Black End to TB6-15	

<b>22 Awg Jumper Wires</b>	
Red wire from TB5-3 (DIN3) to TB4 (+VP)	
Yellow wire from TB7-2 (spare +CL) to TB6-11 (+5VB)	
Orange from spare TB7-1 (spare -CL) to TB6-5 (DOUT4)	

# A440112a Wiring Chart

<b>Connector 1 - Assy S047110</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-1	+DR
D	Blue	TB2-2	-DR
B	Yellow	TB2-3	TXO+
E	Green	TB2-4	TXO-
A	not used		

Twist the Green and Yellow wires and Tie Wrap the bundle up away from the board.

<b>Connector 2 - Assy S047120</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-6	+DR
D	Blue	TB2-7	-DR
B	Yellow	TB2-8	TX1+
E	Green	TB2-9	TX1-
A	not used		

Twist the Green and Yellow wires and Tie Wrap the bundle up away from the board.

<b>Connector 3 - Assy S047131</b>			
Pin	Wire	Terminal Block	Label
J	Yellow	TB3-3	AIN1
B	Black	TB3-5	OV
N	Red	TB3-6	+DR
E	Green	TB3-7	AIN2
A	Brown	TB3-8	AIN3
D	Blue	TB3-10	-DR
G	Violet	TB5-16	ATBIN
L	White	TB6-5	DOU4
R	Orange	TB7-11	RL2-NO

Pins C, F, H, K, M, P are not used

**C4 - No connector, Hole Seal P040134**

<b>Connector 5 - Assy S047151</b>			
Pin	Wire	Terminal Block	Label
C	Black	TB6-9	OV
A	Red	TB6-10	+5VA
D	White	TB6-12	DA
E	Green	TB6-13	DB
B	not used		

<b>Connector 6 - Assy S047160</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB4-3	SPARE
B	White	TB3-13	AIN 5
E	Green	TB3-14	AIN 6
D	Black	TB4-2	SPARE
A	no used		

<b>Connector 7 - Assy S047171</b>			
Pin	Wire	Terminal Block	Label
F	Yellow	TB4-4	+VP
N	Red	TB4-5	+VP
B	Black	TB4-11	0V
C	Violet	TB6-09	0V
A	White	TB6-12	DA
E	Green	TB6-13	DB
D	Blue	TB6-14	RES

Pins G, H, J, K, L, M, P, R not used

<b>Connector 8 - Assy S047181</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB1-4	B+
D	Black	TB1-5	B-
A	Blue	TB7-5	Spare-NO
B	White	TB7-7	RL1-C
E	Orange	TB7-11	RL2-NO

<b>KEY SWITCH Top Plate Assy S440150</b>			
Pin	Wire	Terminal Block	Label
8	Red	TB7-7	C
2	Black	TB7-8	NO
7	Yellow	TB5-10	DIN10

<b>A2B Board Assy S440200</b>			
Wire	Color	Terminal Block	Label
1	Red	TB4-3	SPARE
2	Red	TB3-12	+DR
3	Black	TB4-2	SPARE
4	Blue	TB3-15	-DR
A2BOUT	White	TB5-13	DIN13
A2BLO	Violet	TB5-16	ATBIN
RLOUT	White	TB6-2	DOU1
+VP	Yellow	TB4-7	+VP
0V	Black	TB4-9	0V
+5V	Red	TB6-10	+5VA
A2BHI	Orange	Not used, Tie Wrap	

<b>Buss Bar P043005</b>	
From TB1-1 to TB1-2,3,4 (4 pins)	
From TB7-8 to TB7-10 (2 pins)	

<b>20awg Jumper Wires</b>	
Add a Yellow Wire from TB7-2 to TB6-11	
Add an Orange Wire from TB7-1 to TB6-5	
Add a Red Wire from TB7-4 to TB1-4	

<b>1N6285A Diode P022003 - RTV to the back</b>	
Solder the Striped End to TB7-11	
Solder the Black End to TB6-15	

# A440110a Wiring Chart

<b>Connector 1 - Assy S047110</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-1	+DR
D	Blue	TB2-2	-DR
B	Yellow	TB2-3	TXO+
E	Green	TB2-4	TXO-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 2 - Assy S047120</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-6	+DR
D	Blue	TB2-7	-DR
B	Yellow	TB2-8	TX1+
E	Green	TB2-9	TX1-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 3 - Assy S047131</b>			
Pin	Wire	Terminal Block	Label
J	Yellow	TB3-3	AIN1
N	Red	TB3-6	+DR
E	Green	TB3-7	AIN2
A	Brown	TB3-8	AIN3
D	Blue	TB3-10	-DR
B	Black	TB3-15	OV
G	Violet	TB5-16	ATBIN
L	White	TB6-5	DOU4
R	Orange	TB7-11	RL2-NO
Pins C, F, H, K, M, P are not used			

**C4 - No connector, Hole Seal P040134**

**C5 - No connector, Hole Seal P040134**

<b>Connector 6 - Assy S047161</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB1-1	B+
B	White	TB5-1	DIN1
E	The Green wire is extra. Tie wrap		
A, D	not used		

<b>Connector 7 - Assy S047170</b>			
Pin	Wire	Terminal Block	Label
C	Violet	TB6-9	0V
F	Yellow	TB6-10	+5VA
N	Red	TB6-11	+5VB
A	White	TB6-12	DA
E	Green	TB6-13	DB
D	Blue	TB6-14	RES
B	Black	TB6-15	0V
Pins G, H, J, K, L, M, P, R not used			

<b>Connector 8 - Assy S047180</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB1-4	B+
D	Black	TB1-5	B-
B	White	TB7-7	RL1-C
E	Orange	TB7-11	RL2-NO
A	not used		

<b>KEY SWITCH Top Plate Assy S440150</b>			
Pin	Wire	Terminal Block	Label
8	Red	TB7-7	C
2	Black	TB7-8	NO
7	Yellow	TB5-10	DIN10

<b>A2B Board Assy S440200</b>			
Wire	Color	Terminal Block	Label
1	Red	TB7-2	+CL
2	Red	TB3-12	+DR
3	Black	TB7-1	-CL
4	Blue	TB3-15	-DR
A2BOUT	White	TB5-13	DIN13
A2BLO	Violet	TB5-16	ATBIN
RLOUT	White	TB6-2	DOU1
+VP	Yellow	TB4-3	+VP
0V	Black	TB4-5	0V
+5V	Red	TB6-10	+5A
A2BHI	Orange	Not used, Tie Wrap	

<b>20awg Jumper Wires</b>	
Red Wire from TB5-2 to TB4-1	
White Wire from TB5-1 to TB5-8	

<b>Buss Bar P043005</b>	
From TB1-1 to TB1-2,3,4 (4 pins)	
From TB7-8 to TB7-10 (2 pins)	

<b>1N6285A Diode P022003 - RTV to the back</b>	
Solder the Striped End to TB7-11	
Solder the Black End to TB6-15	

# A440109a Wiring Chart

<b>Connector 1 - Assy S047110</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-1	+DR
D	Blue	TB2-2	-DR
B	Yellow	TB2-3	TXO+
E	Green	TB2-4	TXO-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 2 - Assy S047120</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-6	+DR
D	Blue	TB2-7	-DR
B	Yellow	TB2-8	TX1+
E	Green	TB2-9	TX1-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 3 - Assy S047131</b>			
Pin	Wire	Terminal Block	Label
J	Yellow	TB3-3	AIN1
B	Black	TB3-5	OV
N	Red	TB3-6	+DR
E	Green	TB3-7	AIN2
A	Brown	TB3-8	AIN3
D	Blue	TB3-10	-DR
G	Violet	TB5-16	ATBIN
L	White	TB6-5	DOUT4
R	Orange	TB7-11	RL2-NO
Pins C, F, H, K, M, P are not used			

**C4 - No connector, Hole Seal P040134**

<b>Connector 5 - Assy S047151</b>			
Pin	Wire	Terminal Block	Label
C	Black	TB6-9	OV
A	Red	TB6-10	+5VA
D	White	TB6-12	DA
E	Green	TB6-13	DB
B	not used		

<b>Connector 6 - Assy S047160</b>			
Pin	Wire	Terminal Block	Label
B	White	TB3-13	AIN 5
E	Green	TB3-14	AIN 6
D	Black	TB4-2	Spare
C	Red	TB4-3	Spare
A	not used		

<b>Connector 7 - Assy S047170</b>			
Pin	Wire	Terminal Block	Label
B	Black	TB4-11	0V
F	Yellow	TB6-10	+5VA
N	Red	TB6-11	+5VB
A	White	TB6-12	DA
E	Green	TB6-13	DB
D	Blue	TB6-14	RES
C	Violet	TB6-15	0V
Pins G, H, J, K, L, M, P, R not used			

<b>Connector 8 - Assy S047181</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB1-4	B+
D	Black	TB1-5	B-
A	Blue	TB7-5	RLS-NO
B	White	TB7-7	RL1-C
E	Orange	TB7-11	RL2-NO

<b>KEY SWITCH on Top Plate Assy S440150</b>			
Pin	Wire	Terminal Block	Label
8	Red	TB7-7	C
2	Black	TB7-8	NO
7	Yellow	TB5-10	DIN10

<b>A2B Board Assy S440200</b>			
Wire	Color	Terminal Block	Label
1	Red	TB4-3	Spare
2	Red	TB3-12	+DR
3	Black	TB4-2	Spare
4	Blue	TB3-15	-DR
A2BOUT	White	TB5-13	DIN13
A2BLO	Violet	TB5-16	ATBIN
RLOUT	White	TB6-2	DOUT1
+VP	Yellow	TB4-7	+VP
0V	Black	TB4-9	0V
+5V	Red	TB6-10	+5A
A2BHI	Orange	Not used, Tie Wrap	

<b>20awg Jumper Wires</b>	
Red Wire from TB1-4 to TB7-4	
Yellow Wire from TB6-11 to TB7-2	
Orange Wire from TB6-5 to TB7-1	

<b>Buss Bar P043005</b>	
From TB1-1 to TB1-2,3,4 (4 pins)	
From TB7-8 to TB7-10 (2 pins)	

<b>1N6285A Diode P022003 - RTV on the back</b>	
Solder the Striped End to TB7-11	
Solder the Black End to TB6-15	

# A440107a Wiring Chart

<b>Connector 1 - Assy S047110</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-1	+DR
D	Blue	TB2-2	-DR
B	Yellow	TB2-3	TXO+
E	Green	TB2-4	TXO-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 2 - Assy S047120</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-6	+DR
D	Blue	TB2-7	-DR
B	Yellow	TB2-8	TX1+
E	Green	TB2-9	TX1-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 3 - Assy S047131</b>			
Pin	Wire	Terminal Block	Label
J	Yellow	TB3-3	AIN1
B	Black	TB3-5	OV
N	Red	TB3-6	+DR
E	Green	TB3-7	AIN2
A	Brown	TB3-8	AIN3
D	Blue	TB3-10	-DR
G	Violet	TB5-16	ATBIN
L	White	TB6-5	DOU4
R	Orange	TB7-11	RL2-NO
Pins C, F, H, K, M, P are not used			

**C4 - No connector, Hole Seal P040134**

**C5 - No connector, Hole Seal P040134**

<b>Connector 6 - Assy S047161</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB1-1	B+
E	Green	TB5-2	DIN 2
B	White	TB5-3	DIN 3
A, D	not used		

<b>Connector 7 - Assy S047170</b>			
Pin	Wire	Terminal Block	Label
C	Violet	TB6-9	0V
F	Yellow	TB6-10	+5VA
N	Red	TB6-11	+5VB
A	White	TB6-12	DA
E	Green	TB6-13	DB
D	Blue	TB6-14	RES
B	Black	TB6-15	0V
Pins G, H, J, K, L, M, P, R not used			

<b>Connector 8 - Assy S047180</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB1-4	B+
D	Black	TB1-5	B-
B	White	TB7-7	RL1-C
E	Orange	TB7-11	RL2-NO
A	not used		

<b>KEY SWITCH Top Plate Assy S440150</b>			
Pin	Wire	Terminal Block	Label
8	Red	TB7-7	C
2	Black	TB7-8	NO
7	Yellow	TB5-10	DIN10

<b>A2B Board Assy S440200</b>			
Wire	Color	Terminal Block	Label
1	Red	TB7-2	+CL
2	Red	TB3-12	+DR
3	Black	TB7-1	-CL
4	Blue	TB3-15	-DR
A2BOUT	White	TB5-13	DIN13
A2BLO	Violet	TB5-16	ATBIN
RLOUT	White	TB6-2	DOU1
+VP	Yellow	TB4-3	+VP
0V	Black	TB4-5	0V
+5V	Red	TB6-10	+5A
A2BHI	Orange	Not used, Tie Wrap	

<b>20awg Wire Jumpers</b>	
White Wire from TB5-3 to TB5-7	
Red Wire from TB5-2 to TB4-1	

<b>Buss Bar P043005</b>	
From TB1-1 to TB1-2,3,4 (4 pins)	
From TB7-8 to TB7-10 (2 pins)	

<b>1N6285A P022005 Diode -RTV on the back</b>	
Solder the Striped End to TB7-11	
Solder the Black End to TB6-15	

# A440106c Wiring Chart

<b>Connector 1 - Assy S047110</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-1	+DR
D	Blue	TB2-2	-DR
B	Yellow	TB2-3	TXO+
E	Green	TB2-4	TXO-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 2 - Assy S047120</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB2-6	+DR
D	Blue	TB2-7	-DR
B	Yellow	TB2-8	TX1+
E	Green	TB2-9	TX1-
A	not used		
Twist the Green and Yellow Wires and Tie Wrap the bundle up away from the board.			

<b>Connector 3 - Assy S047131</b>			
Pin	Wire	Terminal Block	Label
J	Yellow	TB3-3	AIN1
B	Black	TB3-5	OV
N	Red	TB3-6	+DR
E	Green	TB3-7	AIN2
A	Brown	TB3-8	AIN3
D	Blue	TB3-10	-DR
G	Violet	TB5-16	ATBIN
L	White	TB6-5	DOUT4
R	Orange	TB7-11	RL2-NO
Pins C, F, H, K, M, P are not used			

**C4 - No connector, Hole Seal P040134**

**C5 - No connector, Hole Seal P040134**

<b>Connector 6 - Assy S047160</b>			
Pin	Wire	Terminal Block	Label
B	White	TB3-13	AIN 5
E	Green	TB3-14	AIN 6
D	Black	TB7-1	-CL
C	Red	TB7-2	+CL
A	not used		

<b>Connector 7 - Assy S047170</b>			
Pin	Wire	Terminal Block	Label
C	Violet	TB6-9	0V
F	Yellow	TB6-10	+5VA
N	Red	TB6-11	+5VB
A	White	TB6-12	DA
E	Green	TB6-13	DB
D	Blue	TB6-14	RES
B	Black	TB6-15	0V
Pins G, H, J, K, L, M, P, R not used			

<b>Connector 8 - Assy S047180</b>			
Pin	Wire	Terminal Block	Label
C	Red	TB1-4	B+
D	Black	TB1-5	B-
B	White	TB7-7	RL1-C
E	Orange	TB7-11	RL2-NO
A	not used		

<b>KEY SWITCH Top Plate Assy S440150</b>			
Pin	Wire	Terminal Block	Label
8	Red	TB7-7	C
2	Black	TB7-8	NO
7	Yellow	TB5-10	DIN10

<b>A2B Board Assy S440200</b>			
Wire	Color	Terminal Block	Label
1	Red	TB7-2	+CL
2	Red	TB3-12	+DR
3	Black	TB7-1	-CL
4	Blue	TB3-15	-DR
A2BOUT	White	TB5-13	DIN13
A2BLO	Violet	TB5-16	ATBIN
RLOUT	White	TB6-2	DOUT1
+VP	Yellow	TB4-3	+VP
0V	Black	TB4-5	0V
+5V	Red	TB6-10	+5A
A2BHI	Orange	Not used, Tie Wrap	

<b>Buss Bar P043005</b>	
From TB1-1 to TB1-2,3,4 (4 pins)	
From TB7-8 to TB7-10 (2 pins)	

<b>1N6285A Diode P022003 - RTV on the back</b>	
Solder the Striped End to TB7-11	
Solder the Black End to TB6-15	

# A440113a Wiring Chart

This unit doesn't use connectors. The wires pass through Cable Glands and connect directly to the terminal blocks on the interface board.  
Cable Gland Part No. P040102

<b>KEY SWITCH Top Plate Assy S440150</b>			
Pin	Wire	Terminal Block	Label
8	Red	TB7-7	C
2	Black	TB7-8	NO
7	Yellow	TB5-10	DIN10

<b>Piggy Back Board Assy S440200</b>			
Wire	Color	Terminal Block	Label
1	Red	TB4-2	SPARE
2	Red	TB3-12	+DR
3	Black	TB4-1	SPARE
4	Blue	TB3-15	-DR
A2BOUT	White	TB5-13	DIN13
A2BLO	Violet	TB5-16	ATBIN
RLOUT	White	TB6-2	DOUT1
+VP	Yellow	TB4-3	+VP
0V	Black	TB4-5	0V
+5V	Red	TB6-10	+5A
A2BHI	Orange	Not used, Tie Wrap	

<b>Buss Bar P043005</b>
From TB1-1 to TB1-2,3,4 (4 pins)
From TB7-8 to TB7-10 (2 pins)

<b>1N6285A Diode P022003</b>
RTV on the back of the board.
Solder the Striped End to TB7-11
Solder the Black End to TB6-15