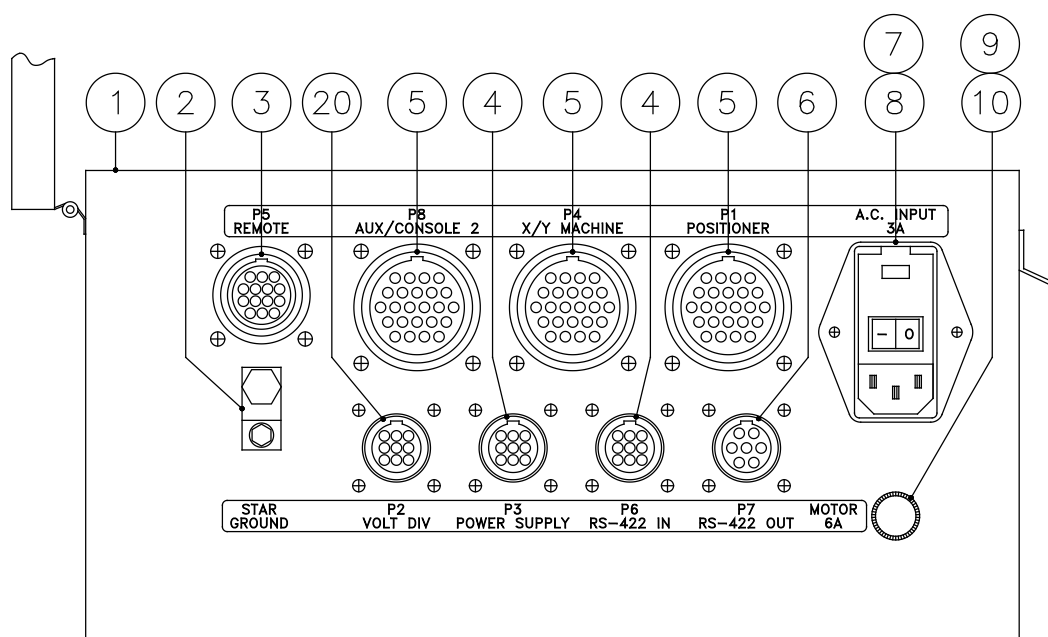


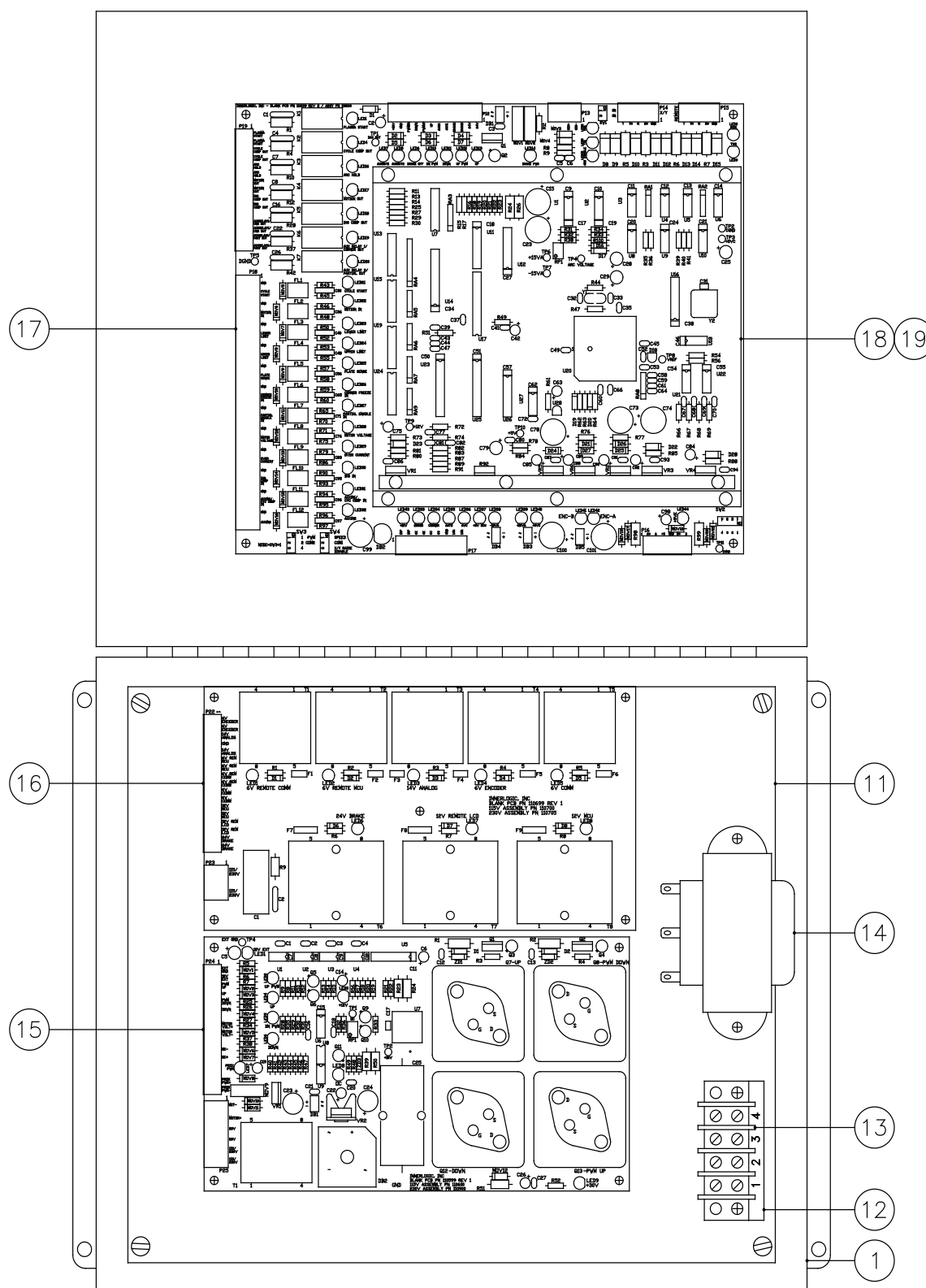
## Section 7 Parts List

### Control Console (Assembly 110025) *Note: See Figures Below*

<u>Item Number</u>	<u>Part Number</u>	<u>Quantity</u>	<u>Description</u>
1	110007	1	Control console enclosure
2	709084	3	Power lug
3	709002	1	Receptacle, 14 position
4	709003	2	Receptacle, 9 position
5	709004	3	Receptacle, 24 position
6	709207	1	Receptacle, 7 position
7	707006	1	Power entry module
Not Shown	711255	1	Power cable
8	709012	1	Fuse, 3 amp
9	709210	1	Fuse, 6 amp
10	709010	1	Fuse holder
11	110008	1	Chassis plate
12	709190	1	Terminal block marker
13	709191	1	Terminal block
14	706003	1	Transformer, 20VAC
15	110600	1	H-bridge p.c. board
16	110700	1	Power distribution p.c. board
17	110200	1	Control console microprocessor p.c. board
18	110010	1	Control console RF shield - top
19	110011	1	Control console RF shield – bottom
20	110800	1	Voltage divider filter p.c. board / plug assembly



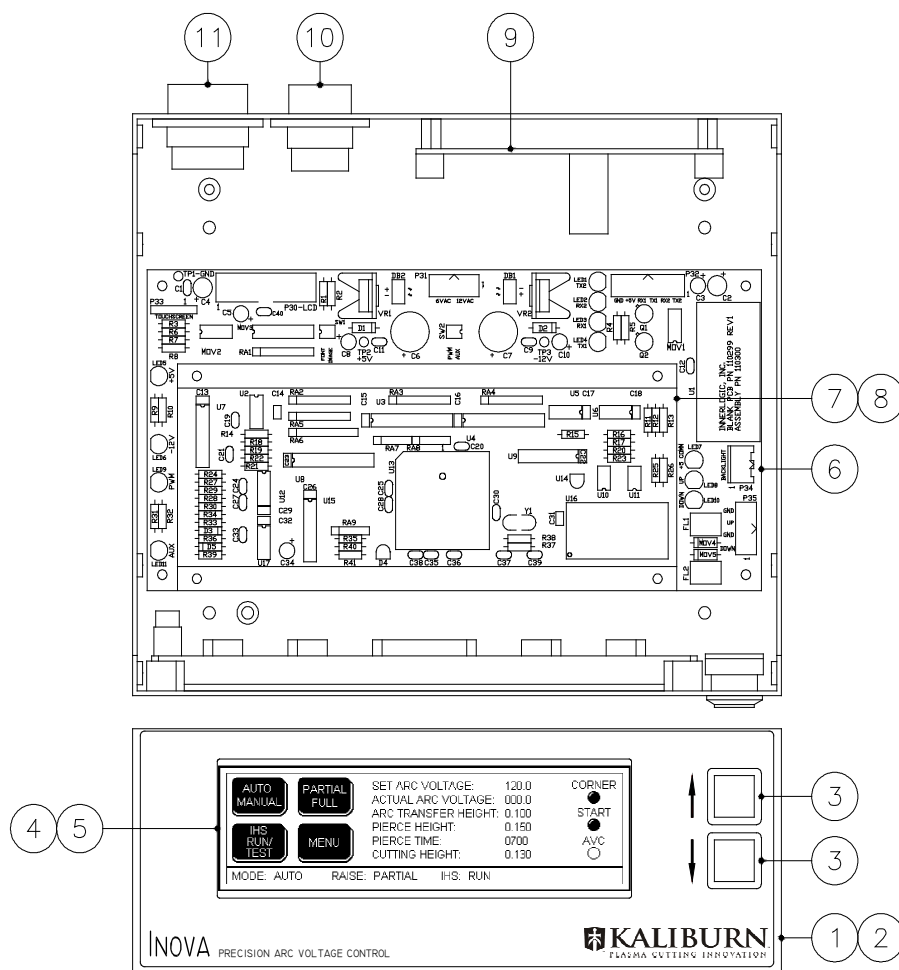
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## Remote Control ( Imperial Assembly 110020 / Metric Assembly 110120)

Item Number	Part Number	Quantity	Description
1	110001	1	Remote base
2	110002	1	Remote cover
3	110026	2	Switch assembly
4	110000	1	Touch Screen
5	110009	1	LCD display
6	110300	1	Remote microprocessor p.c. board (Imperial)
	110305		Remote microprocessor p.c. board (Metric)
7	110012	1	Remote RF shield – top
8	110013	1	Remote RF shield – bottom
9	110400	1	Remote communication p.c. board
10	709003	1	Receptacle, 9 position
11	709002	1	Receptacle, 14 position

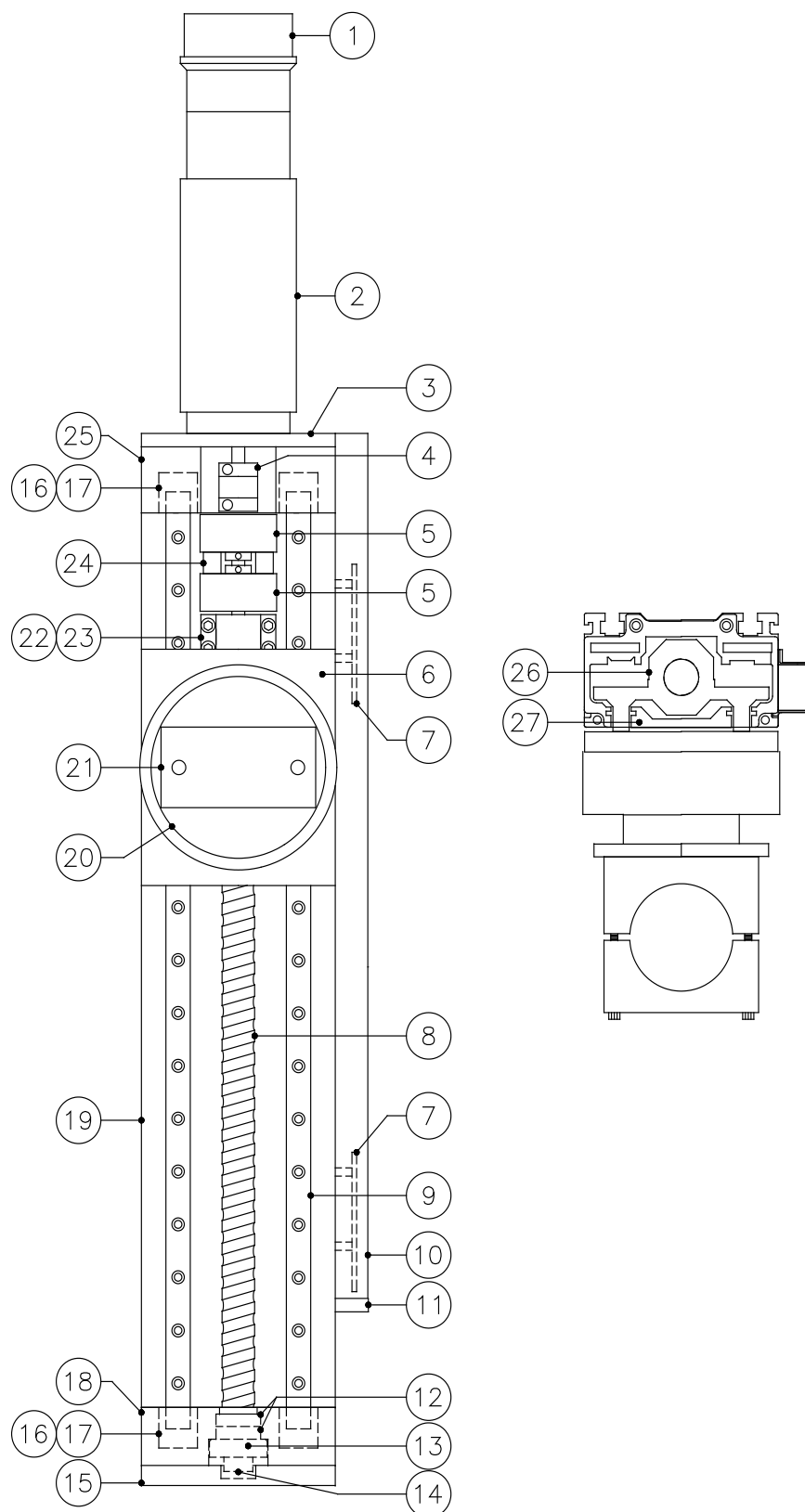


This information is subject to the controls of the Export Administration Regulations [EAR]. This information shall not be provided to non-U.S. persons or transferred by any means to any location outside the United States contrary to the requirements of the EAR.

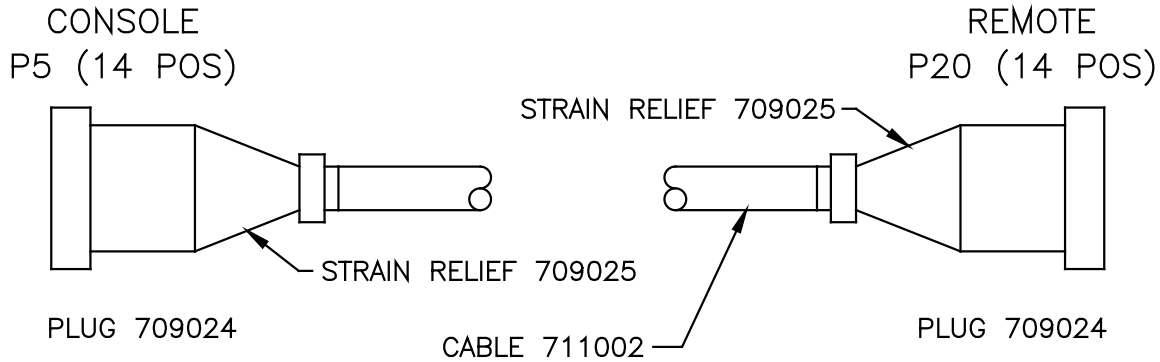
## Positioner (Assembly (S) 110035 / Assembly (HD) 110036)

Note: See Figure Below

<u>Item Number</u>	<u>Part Number</u>	<u>Quantity</u>	<u>Description</u>
1	110022	1	Encoder
2	110028	1	Motor-S
	110040	1	Motor-HD
3	424184	1	Top plate
4	900338	1	Motor/ball screw coupling
5	401038	2-HD 1-S	Brake
6	424010	1	Carriage plate
7	110500	2	Limit switch p.c. board
8	424084	1	Ball screw assembly
9	424082	2	Linear guide with guide blocks
10	110005	1	Limit switch cover
11	424193	1	Limit switch cover end block
12	424079	3	Bearing
13	424190	1	Outer bearing retainer
14	424191	1	Inner bearing nut
15	424183	1	Bottom plate
16	424081	2	Belt
17	424197	4	Belt guide
18	424182	1	Bottom housing
19	110021	1	Main extrusion assembly
20	401080	1	Collision sensor (optional)
21	700024	1	Torch clamp – 1-3/8"
	700407	1	Torch clamp – 1-1/2"
	700275	1	Torch clamp – 1-3/4"
	700603	1	Torch clamp – 1-15/16"
	700223	1	Torch clamp – 2"
	700605	1	Torch clamp – 2-3/16"
	700285	1	Torch clamp – 2-1/4"
22	424188	1	Free bearing block
23	424079	1	Bearing
24	424189	1	Brake bracket
25	424185	1	Top housing
26	424090	1	Carriage assembly
27	424186	1	Cover
Not shown	709113	1	Receptacle, 16 position
Not shown	709025	1	Strain relief



## “A” Cable (Assembly 711705-X)

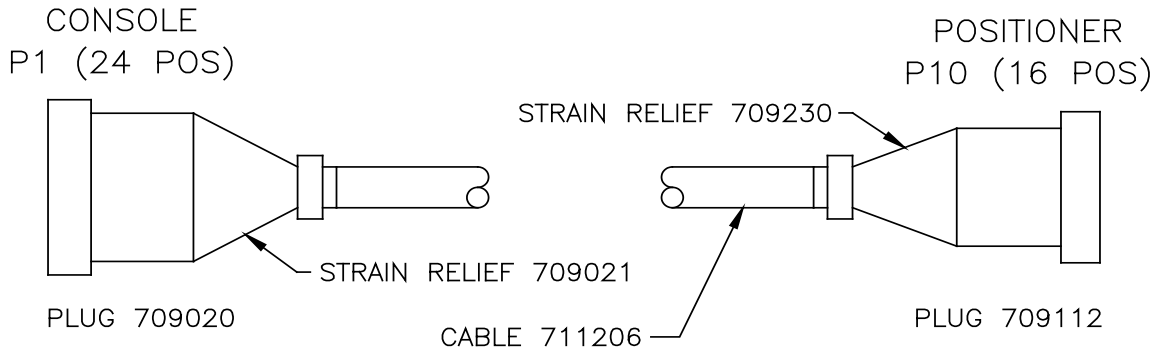


TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709017 PIN	1	RED	1	709017 PIN
	2	BLACK	2	
	12			
	3	WHITE	3	
	4	BLACK	4	
	5	GREEN	5	
	13	BLACK	NC	
	6	BLUE	6	
	7	BLACK	7	
	8	YELLOW	8	
	9	BLACK	9	
	14			
	10	BROWN	10	
	11	BLACK	11	
			12	
709017 PIN				709017 PIN
				709019 KEY

TOTAL PIN COUNT: 25

THE A CABLE PART NUMBER IS 711705-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

## “B” Cable (Assembly 711710-X)



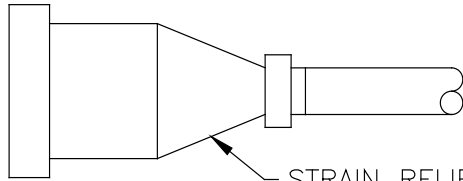
TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709018 SOCKET	3	WHITE	3	709018 SOCKET
	4	BLACK	4	
	17			
	5	GREEN	5	
	6	BLACK	6	
	8	BLUE	8	
	9	BLACK	9	
	14	SHIELD	14	
	10	YELLOW	10	
	11	BLACK	11	
	12	BROWN	12	
	13	BLACK	13	
	21			
	15	ORANGE	15	
	16	BLACK	16	
	1	RED	1	
	2	BLACK	2	
709018 SOCKET	22			
709098 SOCKET	23	RED	NC	
		WHITE	NC	
709098 SOCKET	24	RED	NC	
		GREEN	NC	
709019 KEY	7			

TOTAL SOCKET COUNT: 35

THE B CABLE PART NUMBER IS 711710-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

## “C” Cable (711715-X)

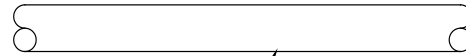
CONSOLE  
P3 (9 POS)



PLUG 709016

STRAIN RELIEF 709015

POWER SUPPLY



CABLE 711001

TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709018 SOCKET	1	RED	XX	NONE
	2	BLACK	XX	
	7			
	3	WHITE	XX	
	4	BLACK	XX	
	8			
709018 SOCKET	5	GREEN	XX	NONE
	6	BLACK	XX	
709019 KEY	9			

TOTAL SOCKET COUNT: 8

THE C CABLE PART NUMBER IS 711715-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

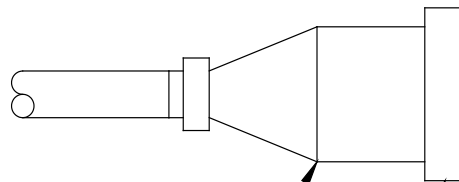
INSTALL THE FOLLOWING PLUG WHEN USING A KALIBURN POWER SUPPLY

COLOR	POSITION NO.	TERMINAL
RED	3	709017 PIN
BLACK	4	
WHITE	12	
BLACK	14	
GREEN	10	
BLACK	11	

709017 PIN

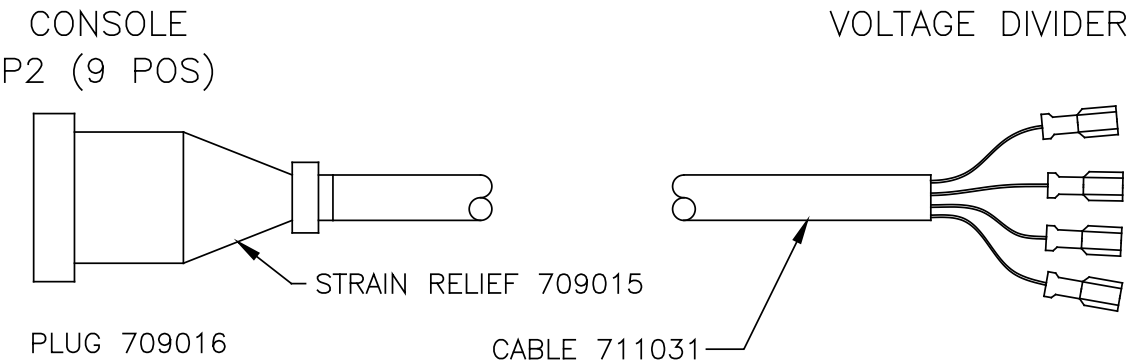
STRAIN RELIEF 709025

PLUG 709024





“D” Cable (Assembly 711720-X)



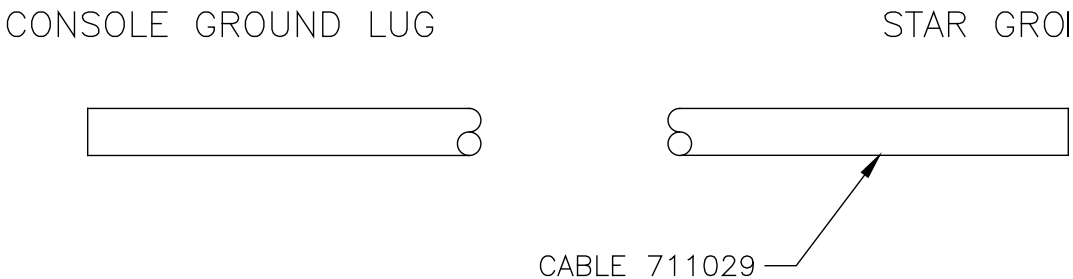
TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709018 SOCKET	3	BLACK	SIG-	709028 FAST-ON
	1	RED	SIG+	709028 FAST-ON
	5			
	9	GREEN	LOGIC-	709028 FAST-ON
709018 SOCKET	7	WHITE	LOGIC+	709028 FAST-ON
709019 KEY	2			

TOTAL SOCKET COUNT: 5

TOTAL FAST-ON COUNT: 4

THE D CABLE PART NUMBER IS 711720-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

“E” Cable (Assembly 711725-X)

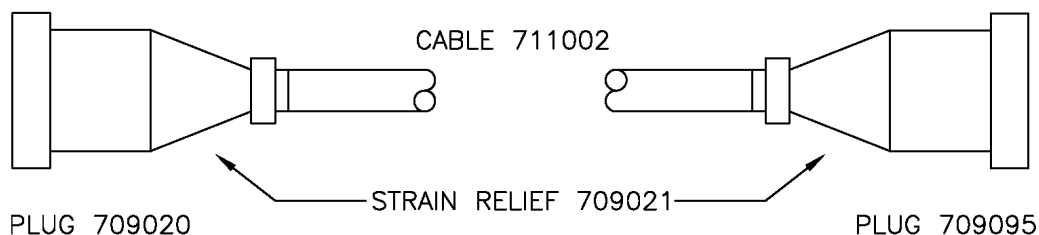


THE E CABLE PART NUMBER IS 711725-X, WHERE X IS THE LENGTH OF THE CABLE IN

## “F” Cable (Assembly 711730-X)

INOVA CONSOLE  
P4 (24 POS)

BURNY PHANTOM  
11 RECP  
PLASMA CONTROL (37 POS)



TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709018 SOCKET ↓	1	GREEN	12	709018 SOCKET ↓
	2	BLACK	18	
	22			
	3	WHITE	21	
	4	BLACK	15	
	5	RED	2	
	6	BLACK	1	
	23			
	7	YELLOW	XX	
	8	BLACK	XX	
	9	BLUE	XX	
	10	BLACK	XX	
709018 SOCKET	24			
	11	BROWN	XX	
	12	BLACK	XX	
709019 KEY	17	JUMPER 711005	22	709018 SOCKET
			28	709018 SOCKET

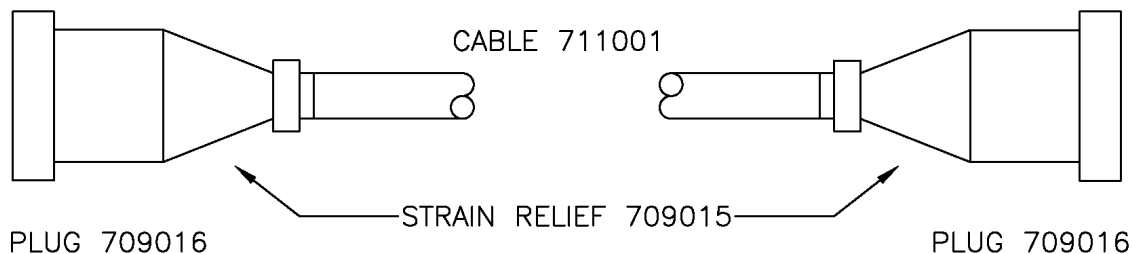
TOTAL SOCKET COUNT: 23

THE F CABLE PART NUMBER IS 711730-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

## “G” Cable (Assembly 711735-X)

INOVA CONSOLE  
P6 (9 POS)

BURNY  
35 RECP  
COMM 1 (9 POS)

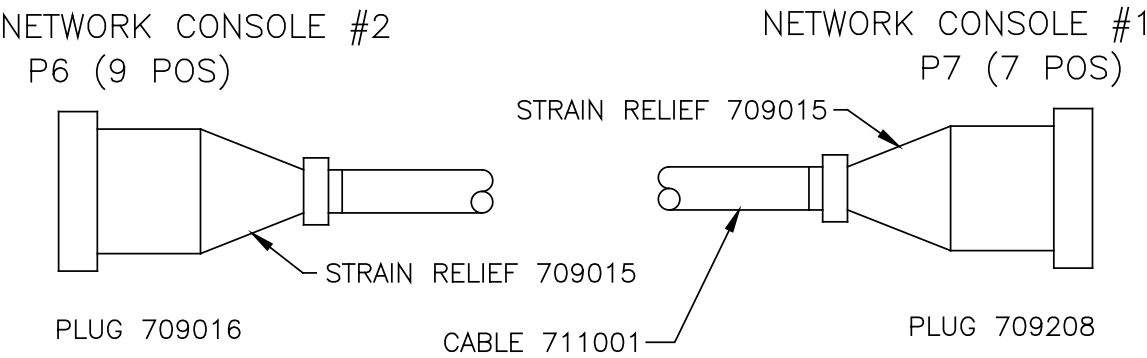


TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709018 SOCKET	1	RED	8	709018 SOCKET
	2	BLACK	3	
	9			
	3	WHITE	9	
709018 SOCKET	4	BLACK	2	709018 SOCKET
	5	GREEN	7	
	7	BLACK	NC	
709019 KEY	8			

TOTAL SOCKET COUNT: 12

THE G CABLE PART NUMBER IS 711735-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

“H” Cable (Assembly 711740-X)

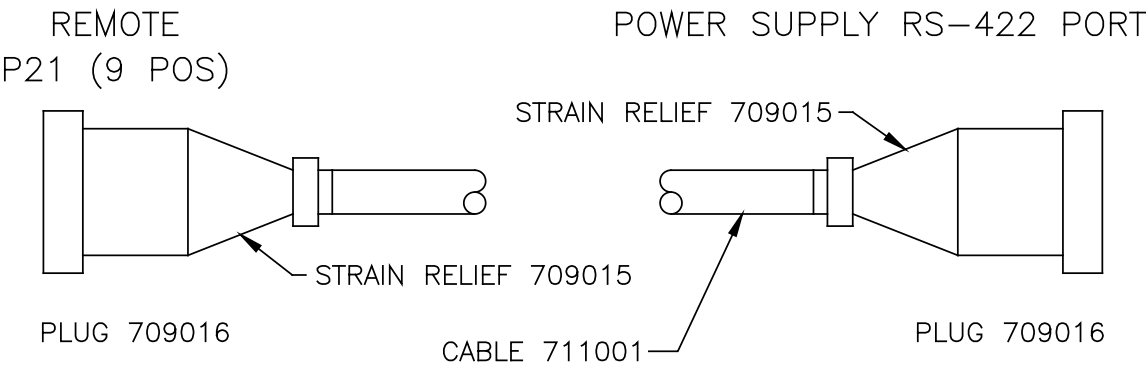


TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709018 SOCKET	1	RED	1	709018 SOCKET
	2	BLACK	2	
	9			
	3	WHITE	3	
	4	BLACK	4	
	5	GREEN	5	
709018 SOCKET	7	BLACK	NC	709018 SOCKET
709019 KEY	8			

TOTAL SOCKET COUNT: 12

THE H CABLE PART NUMBER IS 711740-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

“I” Cable (Assembly 711745-X)



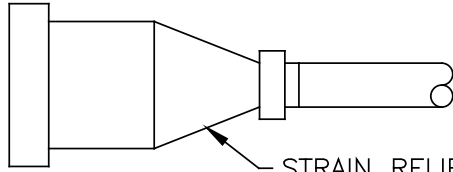
TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709018 SOCKET	2	RED	3	709018 SOCKET
	3	BLACK	2	
	8			
	4	WHITE	5	
	5	BLACK	4	
	6	GREEN	1	
	9	BLACK	NC	
709018 SOCKET				709018 SOCKET
709019 KEY	1			

TOTAL SOCKET COUNT: 12

THE I CABLE PART NUMBER IS 711745-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

## “J” Cable (Assembly 711750-X)

CONSOLE #1  
P8 (24 POS)

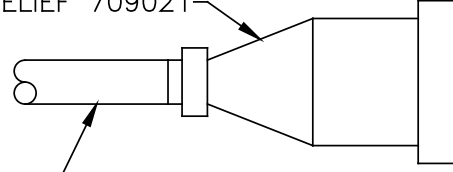


PLUG 709020

STRAIN RELIEF 709021

CABLE 711049

CONSOLE #2  
P4 (24 POS)



PLUG 709020

TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709018 SOCKET	5	RED	5	709018 SOCKET
	6	BLACK	6	
	22			
	15	WHITE	15	
	16	BLACK	16	
	13	BROWN	13	
	14	BLACK	14	
	23			
	1	GREEN	1	
	2	BLACK	2	
	7	YELLOW	7	
	8	BLACK	8	
	24			
	9	BLUE	9	
	10	BLACK	10	
	3	ORN	3	
	4	BLACK	4	
	19			
	20	RED	XX	
	20	WHT	XX	
	20			
	21	RED	XX	
	21	GRN	XX	
	21			
709018 SOCKET	11		17	
709019 KEY				

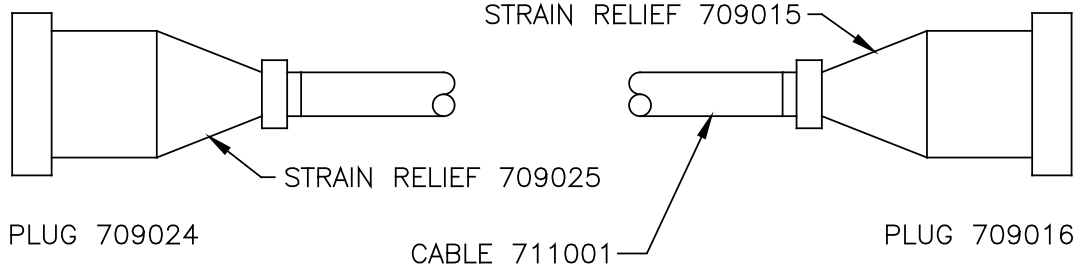
TOTAL SOCKET COUNT: 34

THE J CABLE PART NUMBER IS 711750-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

## “K” Cable (Assembly 711755-X)

CONSOLE  
P5 (14 POS)

POWER SUPPLY RS-422 PORT



TERMINAL	POSITION NO.	COLOR	POSITION NO.	TERMINAL
709017 PIN	3	RED	3	709018 SOCKET
	4	BLACK	2	
	12			
	1	WHITE	5	
	2	BLACK	4	
	5	GREEN	1	
	13	BLACK	NC	
709017 PIN				709018 SOCKET

TOTAL PIN COUNT: 7

TOTAL SOCKET COUNT: 5

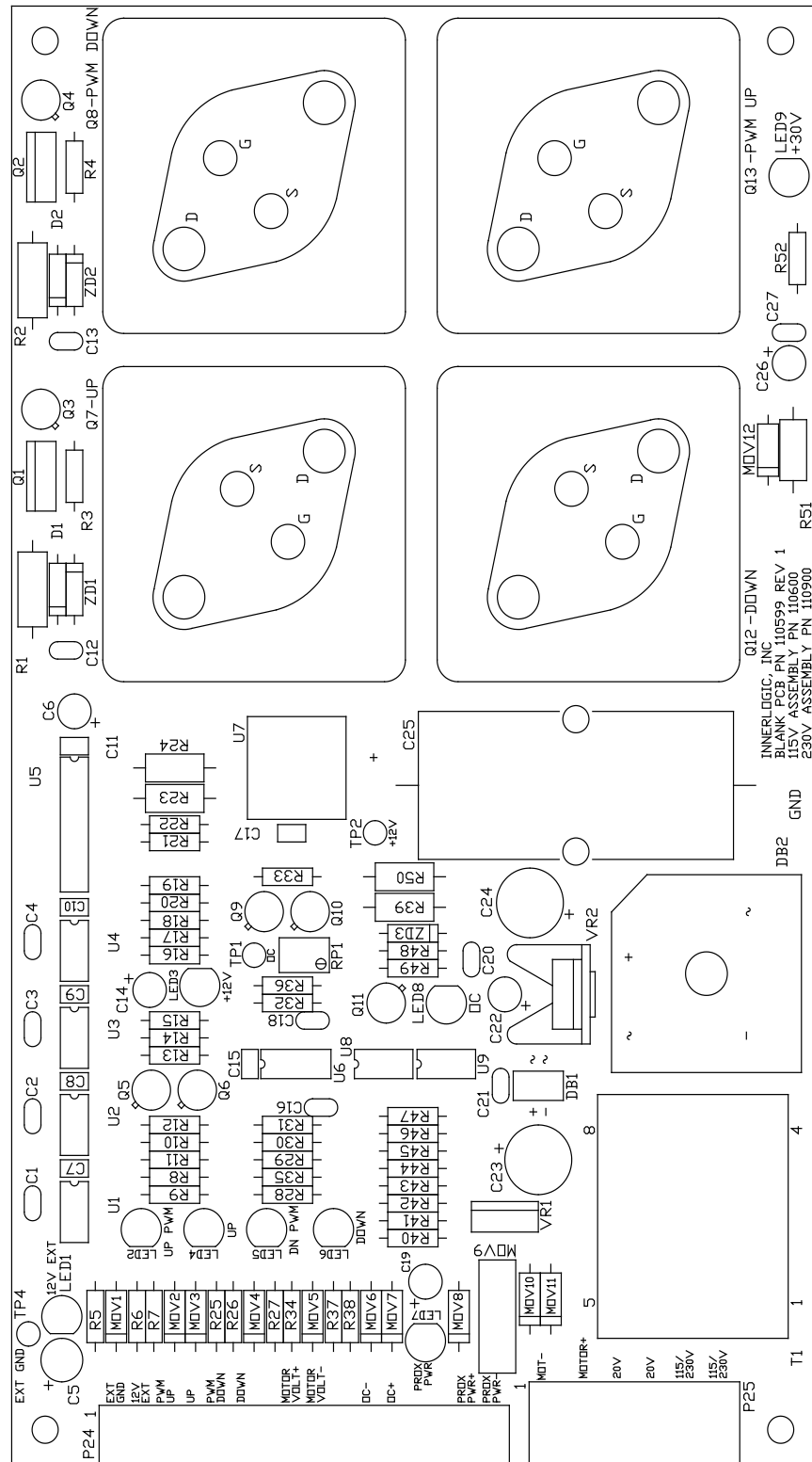
THE K CABLE PART NUMBER IS 711755-X, WHERE X IS THE LENGTH OF THE CABLE IN FEET.

[illegible]

7-16

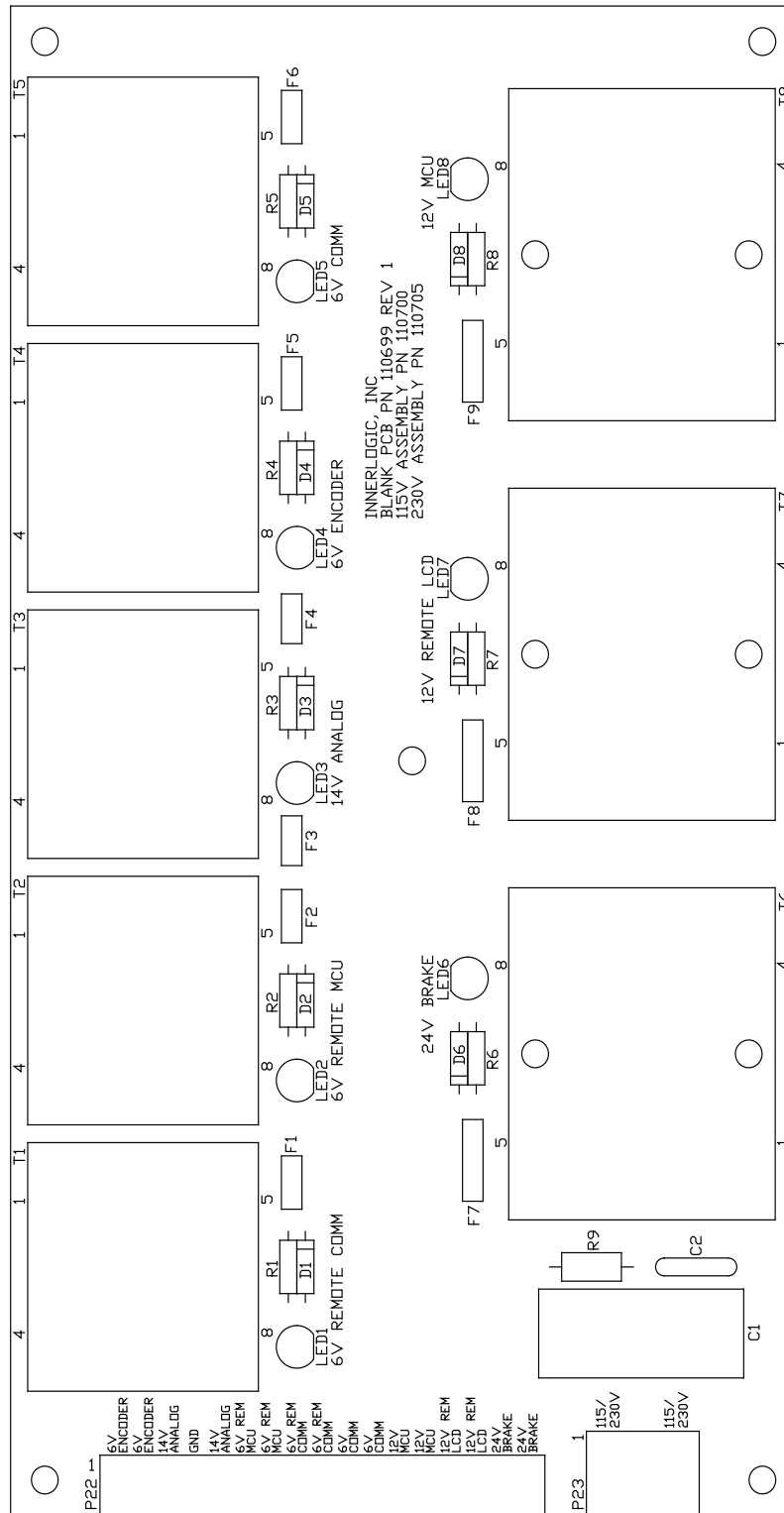


## H-Bridge P.C. Board (Assembly 110600)



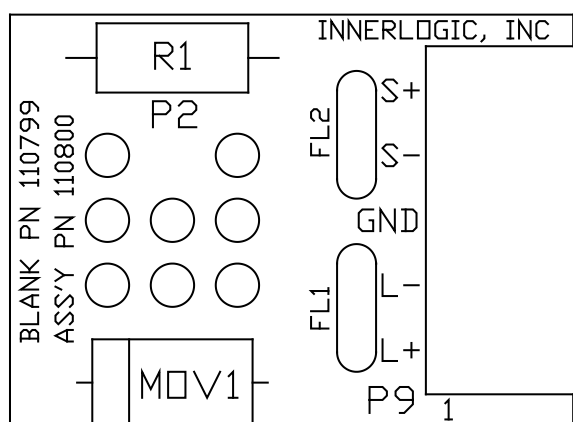
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## Power Distribution P.C. Board (Assembly 110700)

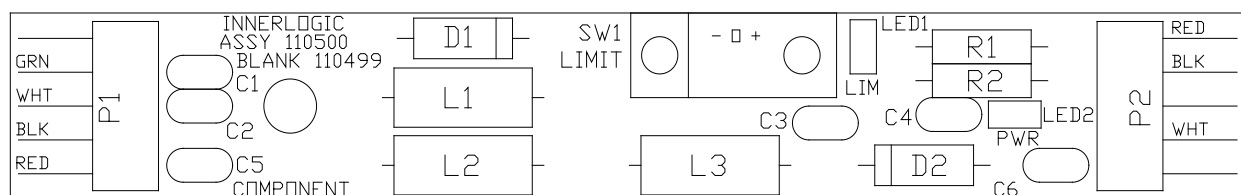


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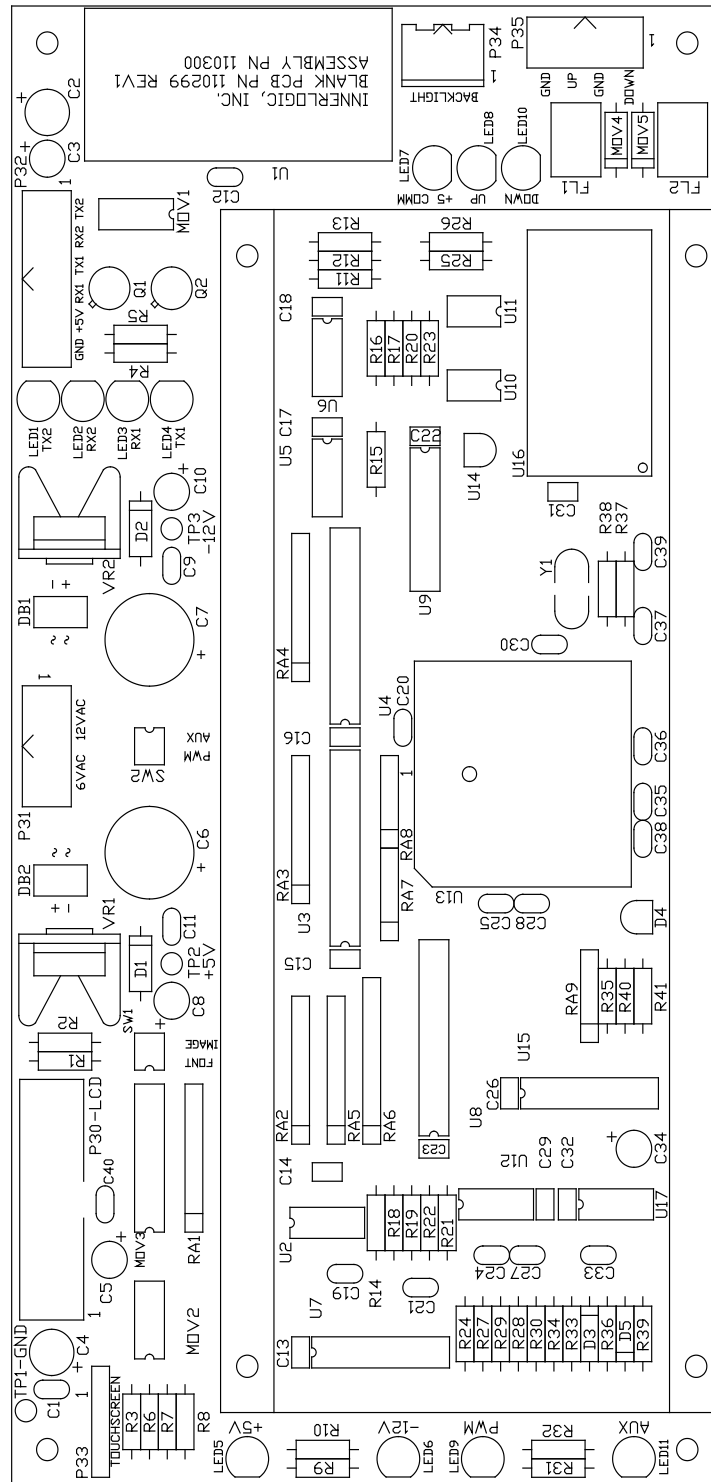
## Voltage Divider Filter P.C. Board (Assembly 110800)



## Limit Switch P.C. Board (Assembly 110500)



# Remote Microprocessor P.C. Board (Imperial Assembly 110300 / Metric Assembly 110305)



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## Remote Communication P.C. Board (Assembly 110400)

