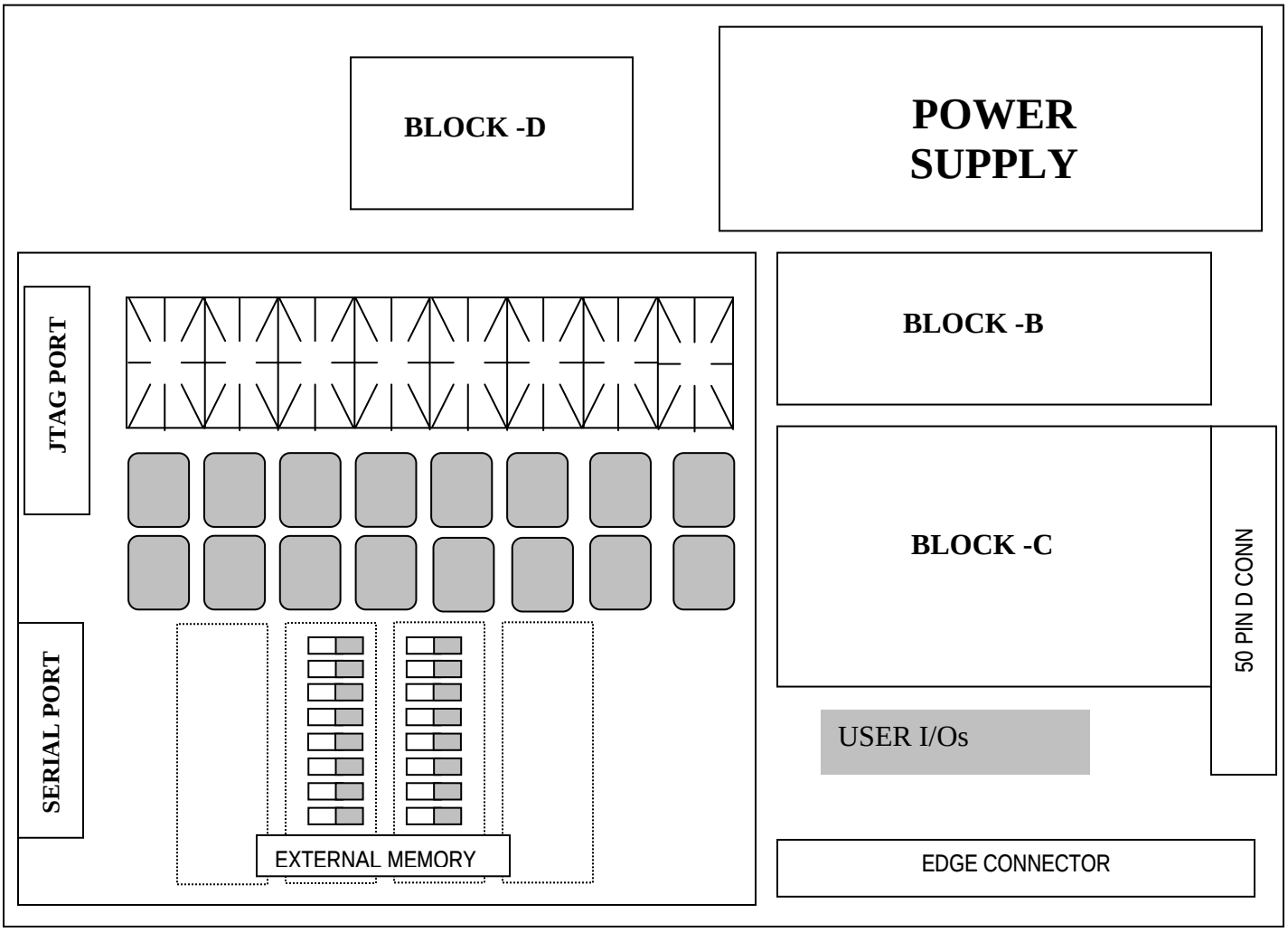
BLOCK DIAGRAM



I/O OPTIONS AND SPECIFICATIONS [MODEL 1A]

BLOCK		NAME	I/Os	QTY (Nos)	DESCRIPTION
A		LED Display	Output		8 module x 16 segment
		LED Matrix	Output	136	
		Matrix Keyboard	Input	8x2	
	OPTION 1	DIP Switch	Input	16	
		Spare I/O	I/O	7	Digital
	OPTION 2	SRAM	-	2	32 KB each.
		EPROM	-	2	32 KB each.
B	OPTION 1	Solid State Relay	Output	1	220V, 16A AC Inductive
		LED	Output	3	
		Buzzer	Output	1	
		A to D Converter	1analog, 8 dig	1	AD670, 8 bit, 10μs
		Spare I/O	I/O	3	Digital
		Motor Driver		1	
	OPTION 2	Analog Mux	16 analog	1	HI 506, 16 Channel
		A to D Converter	1 analog, 12 dig	1	AD 1674, 12 bit, 10μs
	OPTION 3	Spare I/Os		19	Digital
C		Spare I/Os		11	Digital.
		General Purpose Board		1	
	OPTION 1	DC Motor		1	For motion control
	OPTION 2	NONE			
D	OPTION 1	Contactor		1	4NO/1NC 440V, AC, 5.5KW
	OPTION 2	NONE			

I/O OPTIONS AND SPECIFICATIONS [MODEL 2A]

BLOCK		NAME	I/Os	QTY (Nos)	DESCRIPTION
A		LCD module display	I/O	1	20 col X 4 row
		Matrix Keyboard	Input	8x2	
	OPTION 1	DIP Switch	Input	16	
		Spare I/O	I/O	17	Digital
	OPTION 2	SRAM	-	2	32 KB each.
		EPROM	-	2	32 KB each.
B	OPTION 1	Solid State Relay	Output	1	220V, 16A AC Inductive
		LED	Output	3	
		Buzzer	Output	1	
		A to D Converter	1analog, 8 dig	1	AD670, 8 bit, 10μs
		Spare I/O	I/O	3	Digital
		Motor Driver		1	
	OPTION 2	Analog Mux	16 analog	1	HI 506, 16 Channel
		A to D Converter	1 analog, 12 dig	1	AD 1674, 12 bit, 10μs
	OPTION 3	Spare I/Os		19	Digital
C		Spare I/Os		11	Digital.
		General Purpose Board		1	
	OPTION 1	DC Motor		1	For motion control
	OPTION 2	NONE			
D	OPTION 1	Contactor		1	4NO/1NC 440V, AC, 5.5KW
	OPTION 2	NONE			

I/O OPTIONS AND SPECIFICATIONS [MODEL 1B]

BLOCK		NAME	I/Os	QTY (Nos)	DESCRIPTION
A		LED Display	Output		8 module x 16 segment
		LED Matrix	Output	136	
		Matrix Keyboard	Input	8x2	
	OPTION 1	DIP Switch	Input	16	
		Spare I/O	I/O	7	Digital
	OPTION 2	SRAM	-	2	32 KB each.
		EPROM	-	2	32 KB each.
B	OPTION 1	Solid State Relay	Output	1	220V, 16A AC Inductive
		LED	Output	3	
		Buzzer	Output	1	
		A to D Converter	1analog, 8 dig	1	AD670, 8 bit, 10μs
		Spare I/O	I/O	3	Digital
		Motor Driver		1	
	OPTION 2	Analog Mux	16 analog	1	HI 506, 16 Channel
		A to D Converter	1 analog, 12 dig	1	AD 1674, 12 bit, 10μs
	OPTION 3	Spare I/Os		19	Digital
C		Spare I/Os		11	Digital.
		General Purpose Board		1	
	OPTION 1	DC Motor		1	For motion control
	OPTION 2	NONE			

I/O OPTIONS AND SPECIFICATIONS [MODEL 2B]

BLOCK		NAME	I/Os	QTY (Nos)	DESCRIPTION
A		LCD module display	I/O	1	20 col X 4 row
		Matrix Keyboard	Input	8x2	
	OPTION 1	DIP Switch	Input	16	
		Spare I/O	I/O	17	Digital
	OPTION 2	SRAM	-	2	32 KB each
		EPROM	-	2	32 KB each
B	OPTION 1	Solid State Relay	Output	1	220V, 16A AC Inductive
		LED	Output	3	
		Buzzer	Output	1	
		A to D Converter	1analog, 8 dig	1	AD670, 8 bit, 10μs
		Spare I/O	I/O	3	Digital
		Motor Driver		1	
	OPTION 2	Analog Mux	16 analog	1	HI 506, 16 Channel
		A to D Converter	1 analog, 12 dig	1	AD 1674, 12 bit, 10μs
	OPTION 3	Spare I/Os		19	Digital
C		Spare I/Os		11	Digital.
		General Purpose Board		1	
	OPTION 1	DC Motor		1	For motion control
	OPTION 2	NONE			

I/O OPTIONS AND SPECIFICATIONS [MODEL 3B]

BLOCK		NAME	I/Os	QTY (Nos)	DESCRIPTION
A		LED Display	Output		8 module x 16 segment
		LED Matrix	Output	136	
		Matrix Keyboard	Input	8x2	
	OPTION 1	DIP Switch	Input	16	
		Spare I/O	I/O	7	Digital
	OPTION 2	SRAM	-	2	32 KB each.
		EPROM	-	2	32 KB each.
B	OPTION 1	Solid State Relay	Output	1	220V, 16A AC Inductive
		LED	Output	3	
		Buzzer	Output	1	
		A to D Converter	1analog, 8 dig	1	AD670, 8 bit, 10μs
		Spare I/O	I/O	3	Digital
		Motor Driver		1	
	OPTION 2	Analog Mux	16 analog	1	HI 506, 16 Channel
		A to D Converter	1 analog, 12 dig	1	AD 1674, 12 bit, 10μs
	OPTION 3	Spare I/Os		19	Digital
C		Spare I/Os		2	Digital.
		LCD VGA Signals	Output	9	
		General Purpose Board		1	
	OPTION 1	DC Motor		1	For motion control
	OPTION 2	NONE			