

Sheet1

MAIN PCB PARTS

C1	2u2
C2	100n
C3, C4, C5, C7, C9, C11	10n
C6	330n Poly
C8, C10, C12	10u
C13	100n Poly
C14	220p
D1, D2, D3, D4, D5	1N4148
IC1	Programmed PIC / Please use 20pin DIL socket]
IC2	4069UB
IC3	4013N
IC4	TL074P
IC5	78L05
Q1, Q10, Q13	BC558
Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q11, Q12, Q14, Q16, Q17, Q18	BC547
Q15	2N3819
R1, R38	3.3k
R3, R21, R41, R43, R46, R50, R71, R73, R8, R48, R49	100k
R10, R17, R26, R34, R52, R60, R63, R67	47k
R11, R20, R31, R39, R55, R61, R64, R69	470r
R15, R66	4k7
R16	47r
R18, R37, R44, R51, R12, R19, R35, R74	180k
R2, R4, R6, R7, R9, R14, R22, R25, R28, R29, R32, R36, R40, 10k R42, R45, R53, R57, R58, R62, R65	22k
R27	220k
R30	33k
R33	2k2
R47	150k
R5, R54	470k
R13, R23, R24, R56	1k
R59	1M
R68	10M
R70	66.6k
R72	560r
	5.26k

FRONT PANEL PARTS

	Amount
Switch 2P4T [or 1P4T]	10

Sheet1

Switch 1P8T	9 or 8 **
Push-button [push on, release off]	4
Jack socket [switched]	5
50k potentiometer	1 or 2 **
100k potentiometer	9
1m potentiometer	1
1N4148 diodes	26
LEDs	8
220k resistor	10
100k resistor	5
47k	4
68k	2
470k	2
All switch resistors should be 1% toll. very important !	

** The "Stages" control can be 8way switch or 50k pot.
NB All the 8way switches could be replaced with 50k pots if desired.