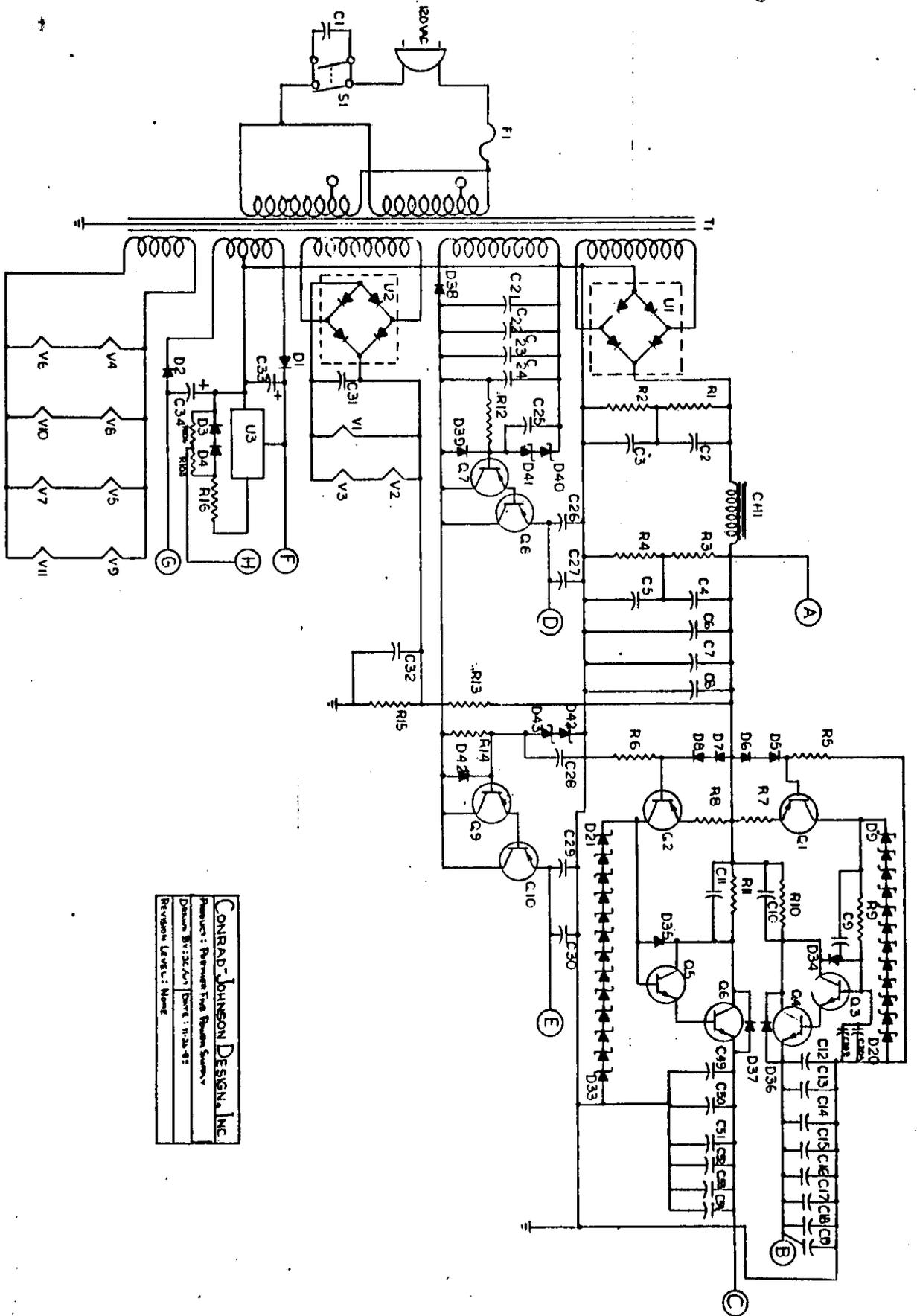


CONRAD-JOHNSON DESIGN, INC.
 PREPARED FIVE AUDIO CIRCUIT
 DRAWN BY: J.C./A.T. DATE: 11-26-63
 REVISION: L66A-1-NINE



CONRAD JOHNSON DESIGN, INC
 Project: Permen Five Pump System
 Drawing #: 1306-01 | Date: 11-28-82
 Revision Level: None

Premier Five Parts Listnote: all resistors $\frac{1}{2}$ watt unless specified

component	value/rating	component	value/rating
R1,2,3,4	100K/2W	C12,13,14,15	.15uF/400V
R5,6	560K/2W	C16,17,18,19	.15uF/400V
R7,8	330	C20A	1.0uF/400V
R9	4.7K	C20B	.15uF/630V
R10	3.3K/2W	C21,23	TVA 1414/50uF/150V
R11	1.8K/2W	C22,24	2.0uF/200V
R12,14	5.1K/RN65	C25,28	1.0uF/100V
R13	1M	C26,27,29,30	1.0uF/100V
R15	221K	C31	5000uF/16V
R16	10K/ $\frac{1}{4}$ W	C32	50uF/50V
R17	100K	C33,34	220uF/10V
R18	1K	C35	20pF
R19	162K/RN65	C36,37	150pF
R20	150K/RN65	C38	47pF
R21	75	C39	1.0uF/400V
R22	82	C40	.15uF/400V
R23	82.5K/RN65	C41,42,43,44	.15uF/630V
R24,25	20K/RL42	C45,46,47,48	.15uF/630V
R26,27,28,29	10K/RL42	C49,50,51,52	1.0uF/630V
R30	500K/VAR	C53,54	.15uF/630V
R31	100K	D1,2,34,35	IN4007
R32,33	24K/RL42	D36,37,39,42	IN4007
R34	1M	D3,4,5,6,7,8	IN4148
R35,40,41,46	221K	D9,10,11,12	IN5257/33V
R47,52,53,58	221K	D13,14,15,16	IN5257/33V
R36,39,42,45	10K/VAR	D17,18,19,20	IN5257/33V
R48,51,54,57	10K/VAR	D21,22,23,24	IN5257/33V
R37,38,43,44	18.2K	D25,26,27,28	IN5257/33V
R49,50,55,56	18.2K	D29,30,31,32,33	IN5257/33V
R59,60,61,62	1K	D40,42	IN5254/27V
R63,64,65,66	1K	D41,43	IN5251/22V
R68,69,77,78	20/5W	D45,46,49,50	IN5234/6.2V
R87,88,99,100	20/5W	D53,54,57,58	IN5234/6.2V
R71,72,81,82	20/5W	D47,48,51,52	LED
R89,92,97,102	20/5W	D55,56,59,60,61	LED
R67,70,79,80	1.2M/ $\frac{1}{4}$ W	Q1,2,7,9	MPS U60
R90,91,98,101	1.2M/ $\frac{1}{4}$ W	Q3,5	MPS U10
R74,76,84,86	1M/ $\frac{1}{4}$ W	Q4,6	MJE 340
R94,96,106,108	1M/ $\frac{1}{4}$ W	Q8,10	MJE 350
R73,75,83,85	560/ $\frac{1}{4}$ W	U1	VK1048 rect.
R93,95,105,107	560/ $\frac{1}{4}$ W	U2	BR805D rect.
R103,104	270K/2W	U3	MC7806 reg.
R105	1K/ $\frac{1}{4}$ W	U4,5,6,7	LF353 (dual op amp)
R106	10K/ $\frac{1}{4}$ W	CH1	C126-114 choke
C1	.047uF/1KV	T1	C126-131
C2,3	1300uF/350V	T2	C126-134
C4,5	3300uF/350V	F1	10A, Slo Blo, 3AG
C6	2.0uF/600V	F2	BBS-3, (3A, 600V)
C7	2.0uF/600V	V1	5751
C8	.15uF/630V	V2,3	6FQ7
C9	.01uF/400V	V4,5,6,7	6CA7/EL34
C10,11	.15uF/400V	V8,9,10,11	6CA7/EL34