



**BASING  
DIAGRAMS**

**for**

**ELECTRON TUBES**

*including*

**SUPPLEMENTAL INDEX**

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***Joint Electron Tube Engineering Council***

**JETEC PUBLICATION No. 2A**

## BASING DIAGRAMS FOR ELECTRON TUBES

This publication contains basing diagrams for receiving, allied receiving, cathode ray, and small industrial tubes, and was prepared by JTC-8, Committee on Mechanical Standardization, and the RETMA Engineering Office.

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S U P P L E M E N T A L   I N D E X

## BASING

## TUBE TYPES

1A	917;
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1C	935;
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2B	267B; 315A; 253A; 255B; 258B;
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2D	808;
2E	
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2L	
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2O	806; 8000;
2P	673; 8008;
2Q	
2R	
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2T	
2U	3C28;
2V	5D23;
2W	3B27; 836;
2Z	1654;



BASING	TUBE TYPES
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2AC	
2AD	
2AE	
2AF	
2AG	5962;
2AH	5989;
2AI	
2AJ	6004;
2AK	195; 196; 852;
2AL	5612; 5613;
2AM	
2AN	5588;
2AO	
2AP	924;
2AQ	921; 922; 926; 5582;
2AR	1P41;
2AS	8016;
2AT	1P42;
2AU	0D2;
2AV	
2AW	
2AX	
2AY	
2AZ	

## BASING

## TUBE TYPES

3A	891(R); 892(R);
3B	4B26;
3C	73; 1B3GT; 8016;
3D	357A;
3E	313C; 313CA; 313CB; 313CC; 313CD;
3F	860;
3G	3C23; 809; 811; 812; 830B; 1623; 8005; 3C34; 5557; 5594; 5664;
3H	
3I	
3J	1P39; 925; 929; 1P40; 930; 5581; 5653;
3K	3B24; 3B24W;
3L	354; SEE 3V
3M	8025A; 8025;
3N	805; 8003; 678; 331A; 5563;
3O	
3P	
3Q	257A;
3R	2K48; 2K49;
3S	
3T	2B25;
3U	
3V	5C24; 5545; SEE 3L
3W	5558
3X	
3Y	
3AA	5561;

## BASING

## TUBE TYPES

4A	5E1; 1A1; 1B1; 1C1; 1D1; 1E1; 1F1; 1G1; 1J1; 1K1; 1X1; 1Y1; 1Z1; 1Z2;
4B	2Z2; G84; 81; 5834; 5835; 1C21;
4C	3B21; 3B22; 4B25; 5X3; 5Z3; 80; 1275; 82; 83; 274A; 301A; 314A;
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	5556; 264C; 275A; 300B; 1276; VT52; WX12; 12A;
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4F	WD11;
4G	1V; 6Z3; 12Z3; 14Z3;
4H	BR;
4I	
4J	BA; BH;
4K	1A4T; 1B4/951; 1C4; 1D4; 22; 32; 1229;
4L	
4M	1A4-1B4-B; 1K4; 34; 1A4P; 1B4P;
4P	142; 3B25; 3B28; 72; 816; 866A; 1616; 8020; 8013A; 2WZ;
4Q	2A3H;
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4S	874;
4T	1F1-G; 1T1-G; 4A21;
4U	
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4W	1266; VR-150; 2W3;
4X	2W3; 2W3/GT;
4Y	2V3G; 73;
4Z	35Z3; 35Z3LT;

## BASING

## TUBE TYPES

4AA	1LE3; 1293; 1B3; 1A3; 1LE5;
4AB	2X2A; 2X2; 879; 2Y2;
4AC	6Y3G; 6Y3;
4AD	83V;
8AE	4BP15; 6AP4; 10AP4; OX3;
4AF	9CP4; 12CP4; 12CP7;
4AG	
4AH	1R4; 7C4; 1Q4;
4AI	
4AJ	0A3/VR175; OB3; OC3/VR105; OD3; VR150; 1265; OD3;
4AK	6C21;
4AL	1P23;
4AM	2C22; 7193;
4AN	3B23; PK22;
4AO	12X3;
4AP	2J35; 2535;
4AQ	6C21;
4AR	254A; 282A;
4AS	705A;
4AT	217C; 575A; 872A; 371A;
4AU	249B; 249C; 878; 249A;
4AV	354A; 355A; 552B; 323A;
4AW	394A;
4AX	842; 101D;
4AY	212E;
4AZ	3C21; 4C21; V99; 203A; 211; 242C; 276A; 284D; 835; 838; 845;

## BASING

## TUBE TYPES

4BA	2C33; 4C22;
4BB	2C26;
4BC	
4BD	
4BE	1624;
4BF	
4BG	920; 5584;
4BH	
4BI	
4BJ	9004;
4BK	PM3; PM4; PM5; PM6; PM7; PM8; PM9;
4BL	3C45; 1904; 5559;
4BM	5C22; 4C35;
4BN	5D21;
4BO	3C30; 5514;
4BP	
4BQ	2B23;
4BR	
4BS	4B27;
4BT	4B31
4BU	OY4; OY4G;
4BV	1D21
4BW	
4BX	
4BY	262B;
4BZ	5544; 5545;

## BASING

## TUBE TYPES

4CA	2C53;
4CB	
4CC	
4CD	5560;
4CE	672A;
4CF	5632; 5796;
4CG	6W4GT; 25W4GT;
4CH	
4CI	
4CJ	5740;
4CK	5823;
4CL	1D3;
4CM	
4CN	5644;
4CO	
4CP	1006;
4CQ	6013;
4CR	101F; 101D; 215A;
4CS	
4CT	
4CU	6BL6; 6BM6;
4CV	
4CW	
4CX	
4CY	
4CZ	

## BASING

## TUBE TYPES

5A	2B4; 27; 27S; 37; 56; 56S; 56AS; 76; 485; 629; 885; 244A; 247A; 271A; 272A; 338A; 843;
5B	47; 1610; 6A4; 6A4/LA;
5C	46; 49; 52;
5D	84/6Z4; 2S/4S; 2Y4; 345A;
5E	24A; 24S; 35; 35/51; 36; 245A; 259A; 283A; 35S/51S; 64; 65;
5F	15; 38; 39/44; 285A; 294A; 329A; 68;
5G	
5H	
5I	
5J	2E22; 307A; 339A; 803; 804; 814; 828;
5K	1F4; 6A4/LA; 33; 950; 1609;
5L	5V4G; 5Z4; 5Z4G; 5Z4GT; 5Z4GT/G;
5M	6F5; 6F5G; 6F5GT; 12F5GT; 6G5; 12F5;
5N	OZ3;
5O	
5P	
5Q	5X4-G; 5Y4G; 5Y4/GT;
5R	1D5GT; 1E5GT; 1K5G; 1M5G;
5S	1E4G; 1G4G; 1G4GT; 1H4G; 2A4-G; 6B4G; 5AS4; 1G4GT/1G4G;
5T	5AZ4; 5R4GY; 5T4; 5U4G; 5W4; 5W4G; 5W4GT; 5Y3G; 5Y3GT; 5W3; 274-B; 5W4GT/5W4G; SEE 8FQ
5U	65KG; 65KGT; 6K5G; 6K5GT;
5V	
5Y	1D5GP; 1E5GP; 1N5G; 1P5G; 1P5GT; 1N5GT;
5Z	1H5-G; 1H5GT; 1H5;



## BASING

## TUBE TYPES

5AA	117Z4GT; 3524; 25Y4GT; 25Z4; 25Z4GT; 35Z4GT; SEE 5X;
5AB	7Z4; 7Y4; 14Y4;
5AC	7A4; 7B4; 14A4;
5AD	1G4; 1T4; 1N4; 1E4; 1LA4; 1LB4;
5AE	1S4;
5AF	6H4(GT);
5AG	1LH4;
5AH	35X4(GL);
5AI	1Q4;
5AJ	7AP4;
5AK	656GT;
5AL	3S74(GT); 35Y4;
5AM	45Z3;
5AN	3HP7; 4AP10; 7BP7; 9HP7; 9MP7; 12DP7; 5FP7; 5FP14; 7BP1; 7BP4; 9GP7; 9LP7;
	12DP4; SEE 5CC; 3HP14; 5FP7B; 5FP1; 5FP4A; 7QP4; 7UP25; 12DP7B;
5AP	1A3;
5AQ	1005;
5AR	12Y4;
5AS	2C4;
5AT	383A;
5AU	387A; 287A; 323A;
5AV	393A;
5AW	350A; 807;
5AX	SEE 5AA
5AY	6D4;
5AZ	1625;



BASING

TUBE TYPES

5BA	813;
5BB	954; 956;
5BC	955;
5BD	957; 958A;
9BE	959;
5BF	1AB5;
5BG	9005;
5BH	306A;
5BI	
5BJ	2E25;
5BK	4D21/4125A; 4D23; 5D22; 5D24;
5BL	
5EM	
5EN	1P25; 1P25A;
5EO	0A2; 0B2;
5BP	905;
5BQ	35W4;
5BR	905A;
5ES	6X4; 6BX4; SEE 7BV
5BT	6BG6G; 6CD6G; 19BG6G; 25CD6; 25CD6GB; 6CD6GA;
5FU	5517/CK1013;
5BV	3NP4;
5BW	
5BX	5662;
5BY	
5BZ	1W4;

BASING

TUBE TYPES

5CA	5845;
5CB	5722;
5CC	5FP7A; 7BP7A; 12DP7A; SEE 5AN; 7BP25; 7UP7;
5CD	
5CE	6AB4;
5CF	1CE;
5CG	
5CH	5949;
5CI	
5CJ	
5CK	6AE4;
5CL	2E32; 2E35; 2E36;
5CM	
5CN	
5CO	
5CP	
5CQ	
5CR	
5CS	
5CT	
5CU	
5CV	
5CW	
5CX	
5CY	
5CZ	

## BASING

## TUBE TYPES

6A	48;
6B	2A5; 18; 41; 42; 43; 95; 293A; 336A;
6C	19;
6D	25B5;
6E	25Y5; 25Z5;
6F	57A; 57AS; 57S; 58; 58AS; 58S; 77; 78; 89; 6C6; 6D6; 57; 89Y; 1603; 286A 310A; 310B; 328A; 337A; 1221;
6G	2A6; 55; 55S; 75; 75S; 85; 85AS; 292A; 352A;
6H	79;
6I	
6J	6Y5;
6K	6Z5;
6L	1A6; 1C6;
6M	1B5/25S;
6N	KR20; KR22; 29; 69; 70; 90; 91; 92;
6Q	6AC5G; 6AC5GT; 6AC5GT/6AC5G; 6AD5G; 6AE5G; 6AE5GT; 6AE5GT/G; 6AF5G; 6C5; 6C5G; 6C5GT; 6D5; 6D5MG; 6D5G; 6J5; 6J5G; 6J5GT; 6L5G; 6P5G; 6P5GT; 12E5GT; 12J5GT; 25AC5G; 25AC5GT; 884; 6Q5G; 1626; 25AC5GT/G;
6R	2E5; 2G5; 6AB5/6N5; 6E5; 6H5; 6N5; 6S5; 6T5; 6U5/6G5;
6S	6W5G; 6X5; 6X5G; 6X5GT; 6X5GT/6X5G; 6ZY5G; 351A; 1274;
6T	6A5G;
6W	1F6
6X	1A5G; 1A5GT; 1A5GT/1A5G; 1C5G; 1C5GT; 1C5GT/1C5G; 1F5G; 1G5G; 1J5G; 1L5G; 1T5GT; 1F5G; 1G5G; 1J5G; 1L5G; 1T5GT;
6Y	6Q6G; 12B6;
6Z	6T6;

## BASING

## TUBE TYPES

6AA	7A5; 7C5; 7C5LT; 14A5; 14C5; 35A5; 35A5LT; 50A5;
6AB	6SF5; 6SF5GT; 12SF5; 12SF5GT;
6AC	6P6;
6AD	35Z5G; 35Z5GT; 40Z5/45Z5GT; 35Z5GT/G; 35Z5;
6AE	7B5; 7B5LT; 7C5;
6AF	1Q5GT; 1Q5G; 1Q5GT/1A5G; 1T5GT;
6AG	35Y5GT;
6AH	1R5;
6AI	
6AJ	1S5;
6AK	1U5;
6AL	9AP4/1804-P4; 12AP4/1803-P4; 12AP7;
6AM	6AL6G;
6AN	1K6; 6AG5E;
6AO	6V5GT; 6V5G;
6AP	6AH5G; 6AH5;
6AQ	1R4;
6AR	1T4; 1L4; 1U4;
6AS	6B5;
6AT	35A5;
6AU	1S5;
6AV	6S6GT;
6AW	6R6G;
6AX	1LD5; 1LD5GT;
6AY	55Z5GT;
6AZ	9BP4; 7CP4; SFE 8BQ;

## BASING

## TUBE TYPES

6BA	3LE4; 3D6; 3LF4; 3LE4GT;
6BB	3D6; 3LF4; 3LF4GT;
6BC	1U5GT;
6BD	1SA6GT; 5603;
6BE	1SB6GT; 12FP8;
6BF	12FP1;
6BG	6C4;
6BH	9006;
6BI	
6BJ	2885; 28Z5;
6BK	312A; 311A;
6BL	385A;
6BM	802; 837;
6BN	9NP1;
6BO	
6BP	
6BQ	6AR6G;
6BR	
6BS	502A; 2050; 2051;
6BT	6AL5; 12AL5;
6BU	3D21;
6BV	
6BW	1U5CB;
6BX	3V4;
6BY	2C40; 2C43;
6BZ	

## BASING

## TUBE TYPES

6CA	
6CB	0A5;
6CC	6AR5;
6CD	1N40; 1N42;
6CE	5663;
6CF	5674;
6CG	
6CH	6AM5; 6516;
6CI	
6CJ	5641;
6CK	6AU5GT; 12G5; 6AV5; 12AV5GA; 6CD5; 25CD5;
6CL	5851
6CM	
6CN	6BY5G;
6CO	6012;
6CP	2E41; 2E42;
6CQ	6440; 6441;
6CR	
6CS	
6CT	
6CU	
6CV	
6CW	
6CX	
6CY	
6CZ	

## BASING

## TUBE TYPES

7A	59;
7B	53; 6A6; 6E6;
7C	2A7; 2A7S; 6A7; 6A7S;
7D	2B7; 2B7S; 6B7; 6B7S;
7E	6F7; 6F7S;
7F	12A5;
7G	6C7;
7H	6D7; 6E7;
7J	2B6;
7K	12A7;
7L	12Z5;
7M	
7N	6G7;
7O	6H7S;
7P	
7Q	6H6; 6H6G; 6H6GT; 25X6GT; 25Z6; 25Z6G; 25Z6GT; 35Z6G; 35Z6GT; 50Z6G; 50Y6G; 50Y6GT; 117Z6G; 117Z6GT; SEE 7DY; SEE 7AR; 12H6;
7R	6K7; 6K7GT; 6K7G; 6J7; 6J7G; 6J7GT; 6M7G; 6S7; 6SJ7; 6U7G; 6W7G; 12J7G; 12J7GT; 12K7G; 12K7GT; SEE 7DZ; 6S7G; 1620; 1851; 348A; 1223;
7S	6AG6G; 6F6; 6F6G; 6F6GT; 6G6G; 6K6G; 6K6GT; 6K6GT/6K6G; 6M6G; 25A6; 25A6G; 25A6GT; 25B6G; SEE 7AC; 25B6G; 1611; 1613; 1614; 349A; 350A;
7T	6L7; 6L7G; 1612;
7U	6P7G;
7V	6B6G; 6Q7; 6Q7G; 6Q7GT; 6R7; 6R7G; 6R7GT; 6T7G; 6V7G; 12Q7G; 12Q7GT; 6118;
7W	6AC6G; 6AC6GT; 25N6G;
7Z	1A7G; 1A7GT; 1B7G; 1B7GT; 1C7G; 1D7G;



## BASING

## TUBE TYPES

7AA	1H6G;
7AB	1G6G; 1G6GT; 1J6G; 1G6GT/1G6G; 1J6GT;
7AC	6L6; 6L6G; 6V6; 6V6/G; 6V6GT; 6V6GT/6V6G; 6W6GT; 6Y6GT; 6Y6; 12A6; 25C6G; 25L6G; 25L6GT; 35L6G; 35L6GT; 50C6G; 50L6GT; 6U6GT; 6L6GA; SEE 7S; 6Y6G; 12A6G; 12A6G; 5871; 1621; 1622; 1631; 1632;
7AD	1F7GH; 1K7G; 1F7G;
7AF	1F7GV;
7AG	6AD6G; 6AF6G; 6AD6;
7AH	6AE6G; 6AE6;
7AJ	7A6;
7AK	1LA6; 1LC6; 6X6; 1B6/1D6;
7AL	6X6G; 6X6; 1629;
7AM	1N6G; 1N6GT; 1N6(E);
7AN	3AP1/906-P1; 3AP4/906-P4; 3AP1; 3AP4; 908; 5MP1; 5MP4; 5MP5; 3AP1A
7AO	1LN5; 1LC5; 1LG5;
7AP	3Q5GT; 3Q5G; 3Q5GT/G; 3Q5; 1Q6(GT); 3B5; SEE 7AQ;
7AQ	3C5GT; SEE 7AP; 3B5GT; 3Q5G; 3Q5GT;
7AR	117Z6(G); SEE 7Q;
7AS	1H7(G);
7AT	1R5;
7AU	6AB6G; 6N6(M); 6N6(MG); 6N6G;
7AV	1S4;
7AW	6AG7; 1619;
7AX	6AE7GT;
7AY	1G7GT;
7AZ	6Q8GT; 12Q8GT; 6SF7; 6SV7; 12SF7; 12SF7GT; 6SF7GT;



## BASING

## TUBE TYPES

7BA	3S4; 3Q4;
7BB	3A4;
7BC	3A5;
7BD	6AG5; 6AJ5; 6AK5; 9001; 9003; 5590; 5591; 6AN5; 6028;
7BE	3B6; 3B7;
7BF	6J6GB; 6J6; 19J6;
7BG	2E21;
7BH	2C21; 164Z; RK33;
7BI	
7BJ	6AN6;
7BK	6AK6; SEE 7CC: 6AH6; 6BD6; 12BD6; 6AU6; 6BA6; 12BA6; 26A6; 12AU6; 6485; 3BA6;
7BL	2C34;
7BM	4E27; 8001;
7BN	2D21;
7BO	826;
7BP	829B; 3E29; 832; 832A;
7BQ	6J4;
7BR	6F4;
7BS	9002;
7BT	6AQ6; 6AV6; 6AT6; 6BF6; 12AT6; 12BF6; 26C6;
7BU	
7BV	3D22; SEE 5BS;
7BW	3C6; XXB;
7BX	1636;
7BY	
7BZ	6AQ5; 50B5; 35B5;

## BASING

## TUBE TYPES

7CA	6N4;
7CB	1Z2;
7CC	SEE 7BK
7CD	
7CE	3AP1A;
7CF	
7CG	3C33;
7CH	6BE6; 12BE6; 26D6; 5915; 3CS6; 6CS6;
7CI	
7CJ	3E6;
7CK	2E26;
7CL	2E24;
7CM	12AW6; 6AS6; 6BJ6; 6DC6; 6DE6; 6DK6; 3DK6;
7CN	1B48;
7CO	
7CP	
7CQ	2E3A;
7CR	
7CS	5516;
7CT	
7CU	5618;
7CV	35C5; 6CA5; 12C5;
7CW	3D24; SEE 8CL
7CX	5679;
7CY	3B4;
7CZ	

## BASING

## TUBE TYPES

7DA	
7DB	
7DC	1L6; 1U6;
7DD	
7DE	6AR7GT;
7DF	6BN6; 5964;
7DG	2G21; 2G22;
7DH	1AB6;
7DI	
7DJ	1AH5;
7DK	6AF4; 6AN4; 6AF4A;
7DL	6AG4;
7DM	
7DN	OG3;
7DO	
7DP	6AQ4;
7DQ	6BM5;
7DR	6CQ6;
7DS	6CR6;
7DT	6AQ4;
7DU	6354;
7DV	6BX4; See 5BS
7DW	6BG; 12H4;
7DX	SEE 7Q; 7AJ; 50X6
7DY	SEE 7Q
7DZ	SEE 7R

BASING

TUBE TYPES

7EA	6CR6;
7EB	646Z;
7EC	0H3;
7ED	6525;
7EE	
7EF	6BJ4;
7EG	
7EH	6578;
7EI	
7EJ	
7EK	
7EL	
7EM	
7EN	
7EO	
7EP	
7EQ	
7ER	
7ES	
7ET	
7EU	
7EV	
7EW	
7EX	
7EY	
7EZ	

BASING

TUBE TYPES

8A	6A8; 6A8G; 6A8GT; 6D8G; 12A8G; 12A8GT;
8B	6N7; 6N7G; 6N7GT/G; 6Y7G; 6Z7G; 1635;
8C	1E7G;
8E	6B8; 6B8G; 6B8GT; 6H3G; 12C8; 6AH7GT;
8F	25A7G; 25A7GT;
8G	6C8G; 6F8G;
8H	6J8G; 20J8M;
8K	6K8; 6K8G; 6K8GT; 12K8; 12K8GT; 12K8Y;
8L	486G; 4A6G; 4A6;
8M	7A8;
8N	6AB7/1853; 6AC7/1852; 6SD7GT; 6SE7GT; 6SJ7; 6SJ7GT; 6SK7; 6SK7GT; 12SJ7; 12SJ7GT; 12SK7; 12SK7GT; 1851; 6AC7W; 6SS7; 6SS7GT; 6AJ7;
8O	6P8G;
8P	SEE 6AP; 6SFS;
8Q	6SQ7; 6SQ7G; 6SQ7GT; 6SR7; 12SQ7GT; 12SQ7; 12SR7; 6SR7GT; 6ST7; 6SZ7; 12SR7GT; 12SW7; 6SR7G; 12SQ7G;
8R	6SA7; 12SA7; 6SC7GT; 12SC7; 1634;
8S	6SC7; 12SC7; 6SC7GT;
8T	12B8GT; 25B8GT; 12B8;
8U	7A8
8V	7A7; 7A7LM; 7B7; 7C7; 7G7/1232; 7H7; 7L7; 7V7; 14A7/12B7; 14C7; 14H7; 1231; 12B7; 7T7; 7AD7; 7AH7; 7AJ7; 1231; 7AG7; 7AK7; 1273; 1230;
8W	7B6-LM; 7B6; 7C6; 7E6; 14B6; 14E6;
8X	7B8; 7B8LM; 14B8;
8Y	6AG7; 6AK7;
8Z	32L7GT; 35Z5GT;

## BASING

## TUBE TYPES

8AA	70L7GT;
8AB	70A7GT;
8AC	7F7; 7N7; 14F7; 14N7; 7AF7; 14AF7; XxD; 7E7(GL);
8AD	6SA7GT; 12SA7GT; 12SA7G;
8AE	7E7; 7R7; 14E7; 14R7;
8AF	25D8GT;
8AG	6AF7G;
8AH	6L8G;
8AI	
8AJ	1D8GT; SEE 8AW;
8AK	1A8GT;
8AL	7Q7; 14Q7; 7C8(GL);
8AM	7K8(GL);
8AN	50Z7G;
8AO	117L7GT; 117M7GT; 117L7GT/117MGT; 117L/M7GT;
8AP	
8AQ	
8AR	7J7; 14J7; 7D7; 21A7; 7S7;
8AS	3A8GT; 3A8G;
8AT	2SE8GT;
8AU	6M8GT; 117P7GT;
8AV	117N7GT; 117P7GT;
8AW	1B8GT; SEE 8AJ;
8AX	1LB6; 1LB6GL;
8AY	6AD7G;
8AZ	

## BASING

## TUBE TYPES

8BA	6L8GT;
8BB	6Q8GT; 12Q8GT;
8BC	SEE 8BK; 6SG7; 12SG7; 12SG7;
8BD	6SN7GT; 6SL7GT; 6SU7GT; 12AH7GT; 12SL7GT; 12SN7GT; 6AS7G; 12SX7GT; 1633;
	6520; 6AG7; 6528; 5998; 6BL7GT; 6SN7GTA; 6SN7GTB; 12SN7GTA;
8BE	6Q8GT; 12Q8GT; 6AH7GT; 12AH7GT;
8BF	7K7(GL); 7K7;
8BG	6SA8GT;
8BH	6L8GT;
8BJ	7W7GT; 14W7GT; 7W7; 14W7;
8BK	SEE 8BC; 6SH7M; 12SH7M; 6SH7GT; 12SH7; 6SG7; 6SG7GT; 6SH7; 12SG7; 6SH7L;
8BL	7S7; 14S7; 7J7; 14J7;
8BM	12DP4;
8BN	7E5;
8BO	7AB7;
8BP	9JP1;
8BQ	SEE 6AZ; 7CP1; 73P1; 73P4; 73P18;
8BR	9JP1;
8BS	28A7; 28D7;
8BT	713A; 717A;
8BU	12L8GT; 26A7GT; 1644;
8BV	7G8;
8BW	7F8; 14F8;
8BX	4AP10; 4AP11;
8BY	3E22; 815;
8BZ	7X7; XXFM; 14X7;



## BASING

## TUBE TYPES

8CA	
8CB	6S8GT; 12S8GT;
8CC	
8CD	902A;
8CE	SEE 8CF AND 8CK
8CF	SEE 8CE AND 8CK
8CG	
8CH	12AL7GT;
8CI	
8CJ	2C51; 6386;
8CK	6AQ7GT; SEE 8CE AND 8CF
8CL	SEE 7CW
8CM	
8CN	1C8;
8CO	1Q6;
8CP	1V5; 1W5;
8CQ	6AW7AT;
8CR	
8CS	5694;
8CT	6AT7; 6BA7; 12BA7;
8CU	
8CV	
8CW	
8CX	
8CY	
8CZ	



BASING

TUBE TYPES

8DA	1S6;
8DB	5635;
8DC	5636; 5916; 5908;
8DD	5643; 5916;
8DE	5840; SEE 8DL
8DF	962;
8DG	508;
8DH	
8DI	
8DJ	5896; 5903;
8DK	5897; 5878; 6190; 6192; 5904;
8DL	5899; 5900; 5901; 5902; 5905; 5906; 5907; 5840; 5639; SEE 8DE
8DM	
8DN	1D3; SEE 8FA
8DO	
8DP	993;
8DQ	
8DR	5969;
8DS	5970;
8DT	6025;
8DU	6AF8;
8DV	
8DW	6AK7;
8DX	1007;
8DY	6BA5;
8DZ	

## BASING

## TUBE TYPES

8EA	
8EB	6AF8; 31AF8;
8EC	6146;
8ED	6154; 6153;
8EE	6169;
8EF	5AHP4;
8EG	1N71;
8EH	6AZ6;
8EI	
8EJ	12AY4;
8EK	6BL5;
8EL	6AH4GT;
8EM	
8EN	45Y3;
8EO	
8EP	
8EQ	5ACP4; 5ACP2; 5ACP19;
8ER	6200;
8ES	40A1;
8ET	4BP15;
8EU	1CP1; 1CP11;
8EV	6CD7;
8EW	6CN6;
8EX	6308;
8EY	6352;
8EZ	3A3;

## BASING

## TUBE TYPES

8FA	6375; SEE 8DN
8FB	6384;
8FC	5817; 5818;
8FD	2K34;
8FE	2K35;
8FF	2K28; 207B;
8FG	2K39; 2K42; 2K43; 2K44; 3K27;
8FH	2K22; 2K23; 2K25; 2K26; 2K27; 2K29; 2K54; 2K55; 2K56; 5611; 5649; 5650;
8FI	
8FJ	2K41; 3K23;
8FK	2K45;
8FL	2K50;
8FM	3K21; 3K22; 3K20;
8FN	6BE4GT;
8FO	6247;
8FP	
8FQ	SEE 5T
8FR	6343;
8FS	6416;
8FT	6CF7;
8FU	6BD4 (A)
8FV	2V2;
8FW	6487;
8FX	6488;
8FY	6525;
8FZ	

BASING

TUBE TYPES

8GA	6529;
8GB	6Q3;
8GC	6BK4;
8GD	6CB5;
8GE	
8GF	6574;
8GG	
8GH	3B2;
8GI	
8GJ	6590;
8GK	6BR4;
8GL	6CF5;
8GM	
8GN	
8GO	
8GP	
8GQ	
8GR	
8GS	
8GT	
8GU	
8GV	
8GW	
8GX	
8GY	
8GZ	

## BASING

## TUBE TYPES

9A	12AT7; 12AU7; 12AX7; 12AZ7; 12AV7; 12AC7; 12AY7; 12BZ7; 12BH7; 7AU7;
9B	
9C	EF50;
9D	3QP1;
9E	6T8; 19T8; 6AK8; 9AK8;
9F	5656;
9G	5686;
9H	5687;
9I	
9J	5755;
9K	5763;
9L	5A6;
9M	6V4;
9N	6M5;
9O	
9P	
9Q	6AN7;
9R	6R4;
9S	6Q4;
9T	6N8;
9U	1V2;
9V	5842;
9W	
9X	5847;
9Y	1X2; 1X2A; 1X2B;
9Z	6BD7;

## BASING

## TUBE TYPES

9AA	6BE7;
9AB	5857;
9AC	6S4;
9AD	5879;
9AE	6U8; 6AX8;
9AF	
9AG	12A4; 6BW7;
9AH	6V8; 19V8;
9AI	
9AJ	6BQ7; 6BN7;
9AK	6X8;
9AL	
9AM	6AW6;
9AN	
9AO	
9AP	
9AQ	6BX6;
9AR	15A6; 6CK6;
9AS	6CJ6; 21A6;
9AT	6AB8;
9AU	6DA6, 6686
9AV	
9AW	
9AX	6BC7;
9AY	16BNT;
9AZ	

## BASING

## TUBE TYPES

9BA	6CH6;
9BB	6BS7;
9BC	6BR7;
9BD	6VB;
9BE	2T21; 6047;
9BF	12BY7;
9BG	1E3;
9BH	SEE 9EM AND 9BN: 6U3;
9BI	
9BJ	6084;
9BK	6086;
9BL	16A5;
9EM	SEE 9BH AND 9BN; 19X3; 6U3; 19Y3;
9EN	SEE 9BH AND 9EM
9BO	
9BP	12AG8;
9BQ	6BK5; 25BK5;
9BR	6BK7;
9BS	
9BT	6BN7;
9BU	6BV7;
9BV	6CL6;
9BW	6157;
9BX	6AJ4;
9BY	6140
9BZ	6141;



## BASING

## TUBE TYPES

9CA	6AJ8;
9CB	17Z3; 6R3;
9CC	6AL4;
9CD	6203;
9CE	6216;
9CF	12BJ7;
9CG	6218;
9CH	12WP4;
9CI	
9CJ	6227;
9CK	6CM6; 12CM6;
9CL	6250;
9CM	50A1;
9CN	6CB7;
9CO	
9CP	6AL8;
9CQ	6Z67;
9CR	6BN5;
9CS	6CE7;
9CT	6Z87;
9CU	1DP1; 1DP4; 1DP7; 1DP11;
9CV	6BQ5;
9CW	6CW6;
9CX	6CX6;
9CY	6AM8;
9CZ	6350;



## BASING

## TUBE TYPES

9DA	6AN8;
9DB	6BR5;
9DC	8A8;
9DD	7AN7; 6449;
9DE	6AQ8; 9AQ8;
9DF	5ALP1; 5ALP4; 5ALP7; 5ALP11; 5BCP1; 5BCP4; 5BCP7; 5BCP11;
9DG	
9DH	6094;
9DI	
9DJ	12BW4; 12X4;
9DK	6BS5;
9DL	6388;
9DM	6141;
9DN	6351;
9DO	
9DP	6AR8;
9DQ	
9DR	6BG4;
9DS	6AS8;
9DT	3A2;
9DU	6479;
9DV	6486;
9DW	6AT8;
9DX	6AU8; 6AW8;
9DY	
9DZ	5A8; 6AV8; 6BA8;

BASING

TUBE TYPES

9EA	6538;
9EB	6539;
9EC	5B8;
9ED	6AZ8;
9EE	
9EF	
9EG	6BE8; 5BE8;
9EH	6BF8;
9EI	
9EJ	6582;
9EK	12BU7;
9EL	6BG8;
9EM	
9EN	
9EO	
9EP	
9EQ	
9ER	
9ES	
9ET	
9EU	
9EV	
9EW	
9EX	
9EY	
9EZ	

## BASING

## TUBE TYPES

10A	5AD1; 5AD4;
10B	
10C	
10D	
10E	
10F	
10G	
10H	
10I	
10J	
10K	
10L	
10M	
10N	
10O	
10P	
10Q	
10R	
10S	
10T	
10U	
10V	
10W	
10X	
10Y	
10Z	

## BASING

## TUBE TYPES

11A	3EP1; 3GP1; 5AP1; 5BP1; 5GP1; 5HP1; 5NP1; 3GP4; 3GP5; 5AP4; 5BP4; 5HP4;
	3GP11A; 5VP7; 5HP1A;
11B	2AP1; 2AP1A; 2AP4;
11C	3CP1;
11D	3EP1;
11E	5JP1; 5JP4; 5JP7;
11F	5LP1; 5LP4; 5LP5; 5JP4; 5LP2; 5LP7; 5LP11;
11G	9KP1; 9KP2; 9KP4; 9KP5;
11H	3CP1;
11I	
11J	12HP1; 12HP7; 12JP7;
11K	1P21; 1P28; 1P22; 931A;
11L	2AP1A; 2AP1;
11M	3KP1; 3KP4; 3KP11;
11N	3GP1A; 5BP1A; 5HP1A; 5VP7; 7EP4; 5BP4; 3EP1;
11O	
11P	3LP1; 3LP4; 3LP11;
11Q	
11R	5593;
11S	5JP1A; 5JP2A;
11T	5LP1A; 5LP2A; 5LP4A; 5LP5A; 5LP7A; 5LP11A;
11U	
11V	
11W	
11X	
11Y	

## BASING

## TUBE TYPES

12A	14AP4; 20AP4; 14AP; 20AP; 14AP1; 14AP2; 14AP5; 20AP1; 20AP2; 20AP5;
12B	1630; 3RP1; 3RP1A; 3RP4; 20BP4;
12C	5TP4; 5WP15; 7DP4; 10DP4; 5AUP24; 5WP11; PZP16;
12D	7HP4; 7MP7; 7QP4; 10EP4A; 10EP4; 10CP4; 10FP4(A); 10KP7; 12JP4; 12KP4(A); 12LP4(A); 12QP4; 12RP4; 12SP7; 12TP4; 12UP4(A); 12UP4(B); 14BP4; 14CP4; 14DP4; 14EP4; 15AP4; 15CP4; 15DP4; 16AP4(A); 16CP4; 16DP4(A); 16EP4(A); 16EP4(B); 16FP4; 16GP4(A); 16GP4(B); 16GP4(C); 16HP4(A); 16JP4; 16KP4(A); 16LP4(A); 16MP4(A); 16QP4; 16RP4; 16SP4(A); 16TP4; 16UP4; 16VP4; 16WP4(A); 16XP4; 16YP4; 16ZP4; 17AP4; 17BP4(A); 17BP4(B); 17CP4; 19AP4(A); 19AP4(B); 19AP4(C); 19AP4(D); 19DP4(A); 19EP4; 19FP4; 19GP4; 19JP4; 20BP4; 20CP4; 22AP4(A); 24AP4(A); 7MP4; 7MP7A; 7MP14; 7UP4; 7ZP11; 7ZP15; 10RP4; 10RP4A; 12CP4; 12QP4A; 10KP17; 10VP15; 12SP7B; 16JP4A; 20DP4; 20DP4B; 21EP4; 21EP4B; 21ZP4; 21AQP4; 21AQP4A; 24AP4B; 24DP4; 24DP4A; 24XP4; 27EP4; 30BP4;
12E	2BP1; 3RP1; 5UP1; 2BP7; 2BP11; 2DP1; 2DP2; 2DP7; 2DP11; 2DP15; 3SP1; 3SP2; 3SP4; 3SP5; 3SP7; 3SP11; 5UP7; 5UP11;
12F	3MP1;
12G	10MP4; 12VP4; 10MP4A; 10NP4; 10VP4; 10VP4A;
12H	8AP4A; 8AP4;
12J	5890;
12K	2CP1;
12L	14GP4; 17HP4(A); 17HP4B; 17RP4; 17VP4; 17AVP4(A); 19QP4; 20HP4(D); 21FP4; 21XP4; 21XP4A; 21YP4(A); 21ALP4(A); 21ALP4B; 21ATP4; 21AUP4; 21AUP4A; 21AUP4B; 21AVP4(A); 21AVP4B;
12M	7ABP7; 7ABP14; 7ABP19; 7ABP21; 10UP14; 10UP21; 10WP7; 10WP14; 10WP19; 17TP4; 12ABP7; 12ABP14; 12ABP19; 12ABP7A; 12ABP14A; 20FP4; 20HP4A; 20HP4B; 20HP4C; 20LP4; 21FP4A; 21FP4C; 21MP4; 21ANP4(A); 24BP4; 27AP4;



## BASING

## TUBE TYPES

14A	3BP1; 5DP1;
14B	3FP7; 5CP1; 5CP4; 5CP7; 12FP2; 12FP7; 12GP7; 5CP11; 5CP12; 5ABP1; 5ABP7; 5ABP11;
14C	3DP1; 3DP7;
14D	5EP7;
14E	12FP7; 9EP7; 9FP1; 12FP2;
14F	5RP1A; 5RP1; 5XP1; 5RP11; 5RP2; 5RP4; 5RP5; 5RP7; 5RP2A; 5RP4A; 5RP5A; 5RP7A; 5RP11A; 5RP1B; 5RP2B; 5RP4B; 5RP5B; 5RP7B; 5RP11B; 5XP2; 5AGP1; 5AGP7; 5AGP11;
14G	3BP1A; 7JP4; 8BP4; 10GP4; 10HP4; 3DP1; 5AQP1; 5AQP2; 5AQP7; 5AQP11; 7GP4;
14H	3DP1A; 3DP1-S2A; 3DP7; 3DP2; 3DP2A;
14I	
14J	3FP7A; 3JP1; 5CP1A; 5CP7A; 3JP7; 3JP1A; 3JP2A; 3JP7A; 3JP11A; P7A; 5CP1B; 5CP2B; 5CP7B; 5CP11B; 5ADP1; 5ADP2; 5ADP7; 5ADP11; 7ADP7; 7ADP11; 7AEP1; 7AEP2; 7AEP7; 7AEP11; 8CP1; 8CP2; 8CP4; 8CP5; 8CP7; 8CP11;
14K	5SP1; 5SP2; 5SP4; 5SP7; 5SP11; 5SP5; 5SP1A; 5SP2A; 5SP7A; 5SP11A;
14L	
14M	5819;
14N	7NP4; 7WP4;
14P	5AWP1; 5AWP2; 5AWP7; 5AWP11; 5XP1A; 5XP2A; 5XP1B; 5XP2B; 5XP11A; 5XP11B
14Q	3ABP1; 3ABP2; 3ABP7; 3ABP11; 4FP1; 4FP2; 4FP7; 4FP11;
14R	7JP1; 7JP2; 7JP4;



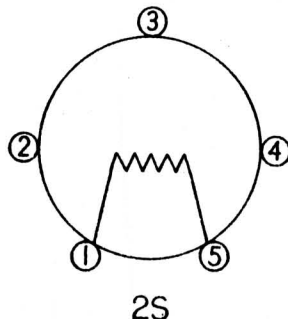
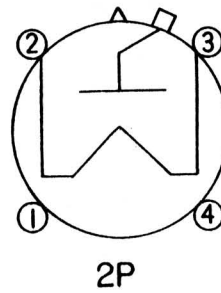
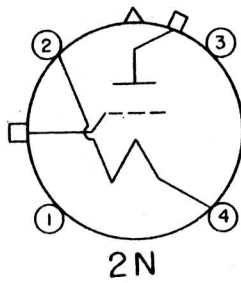
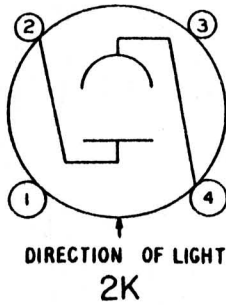
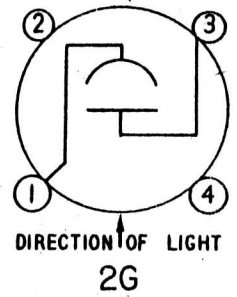
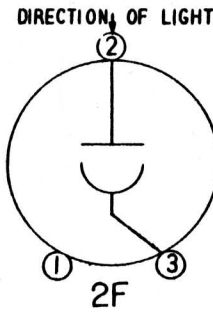
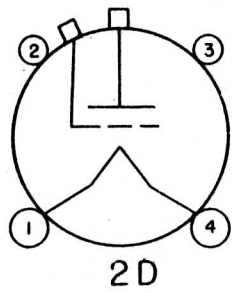
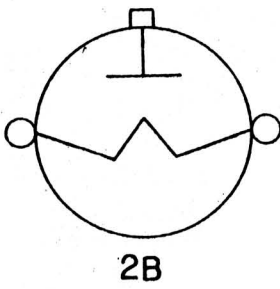
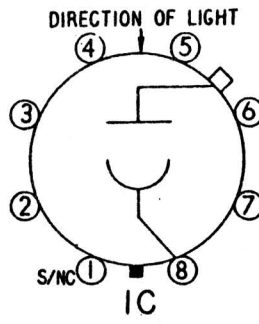
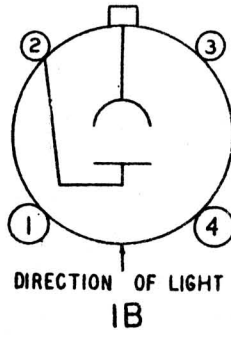
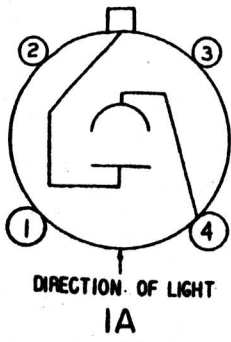
BASING

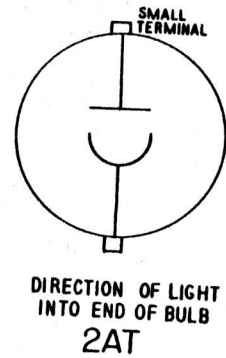
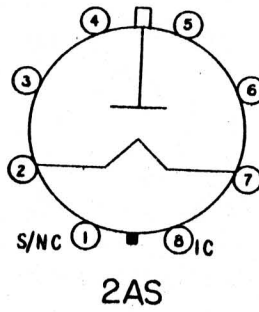
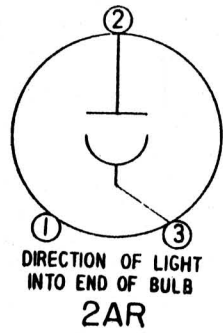
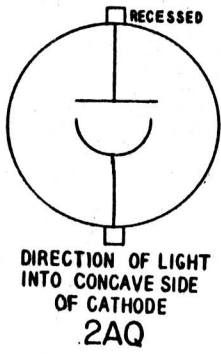
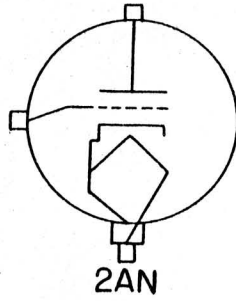
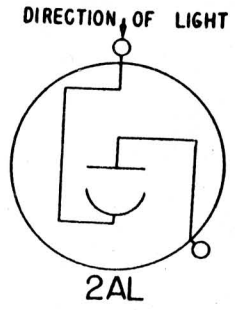
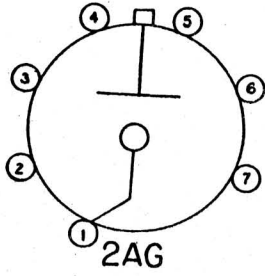
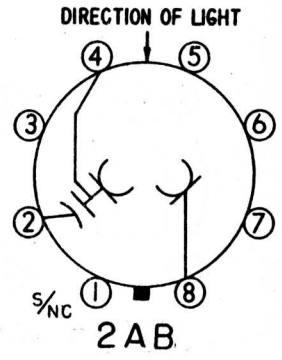
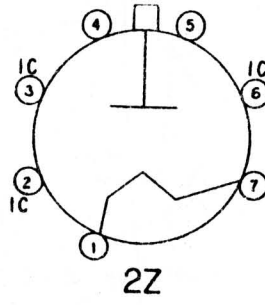
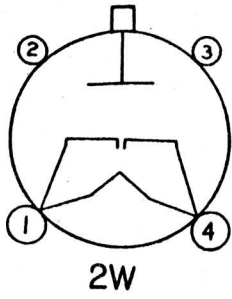
TUBE TYPES

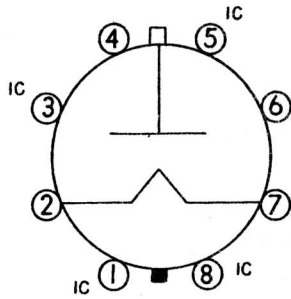
14S	12GP7;
14T	3ABP1;
14U	5AMP1; 5AMP2; 5AMP7; 5AMP11;
14V	5ATP;
14W	19VP22; 21AXP22;
14X	
14Y	4DP1; 4DP7; 4DP11; 4DP2;
14Z	

14AA	6655; 6342;
14AB	
14AC	
14AD	
14AE	
14AF	
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14AP	
14AQ	

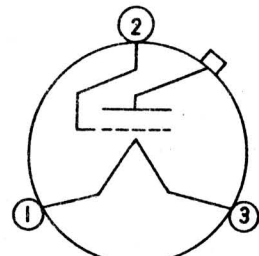
B A S I N G D I A G R A M S



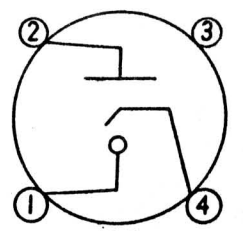




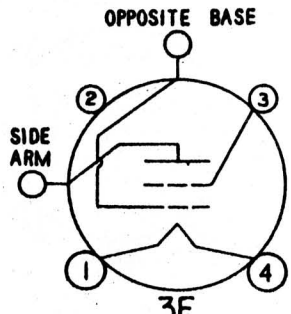
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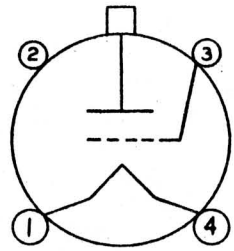
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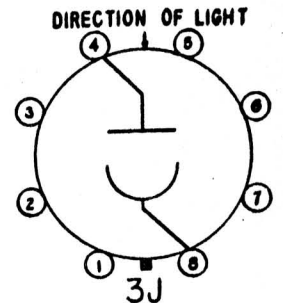
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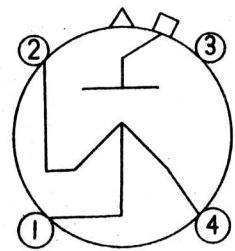
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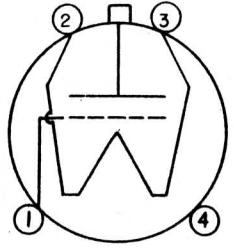
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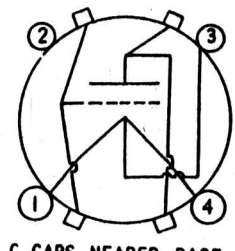
3J



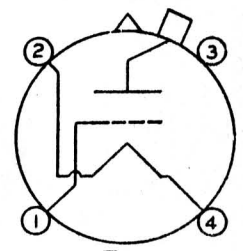
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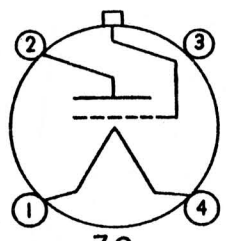
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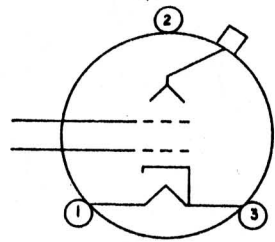
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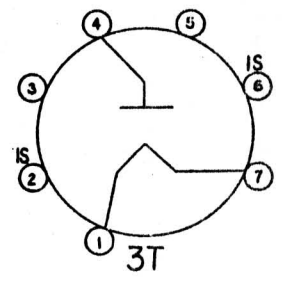
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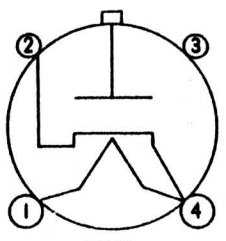
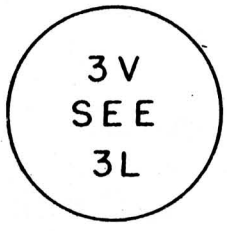
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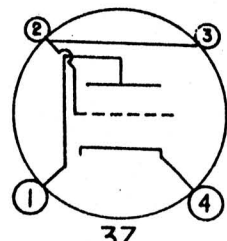
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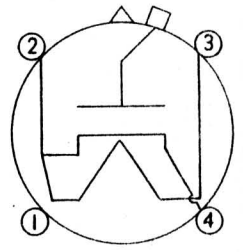
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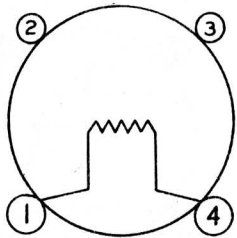
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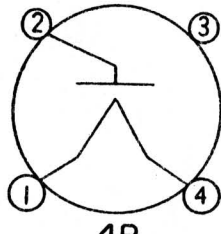
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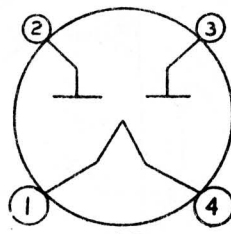
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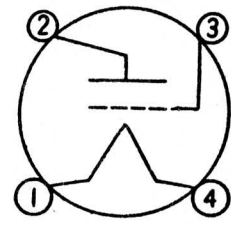
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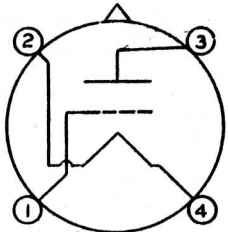
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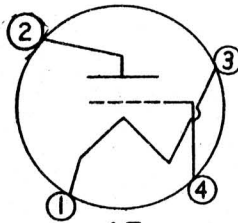
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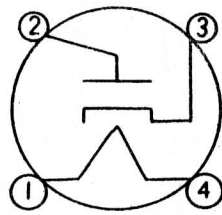
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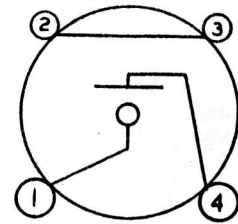
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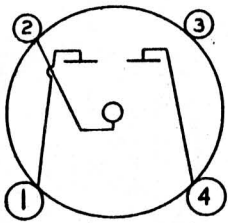
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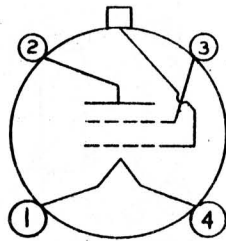
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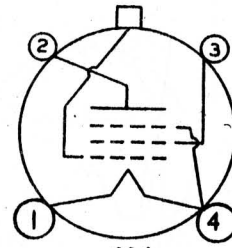
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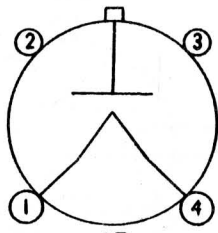
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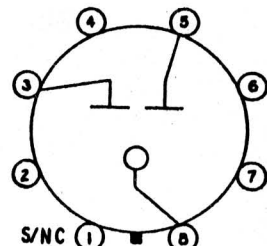
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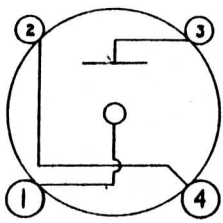
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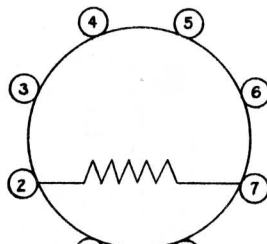
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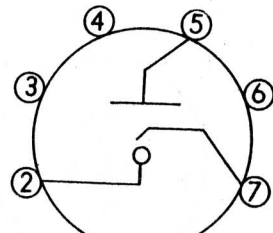
S/NC 1 4R



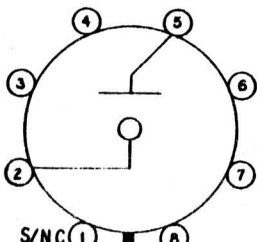
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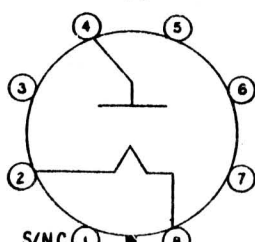
S/NC 1 4T



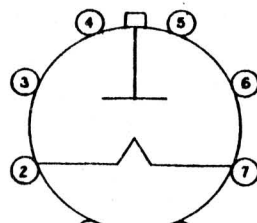
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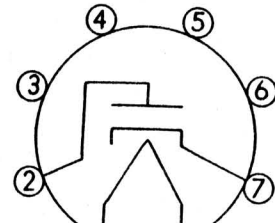
S/NC 1 4W



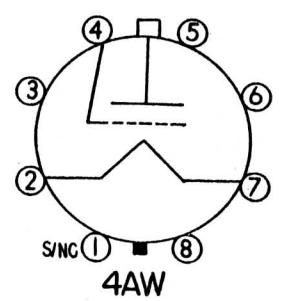
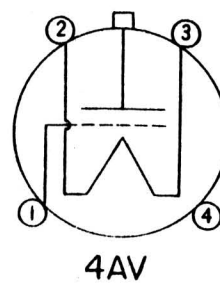
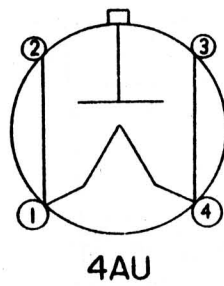
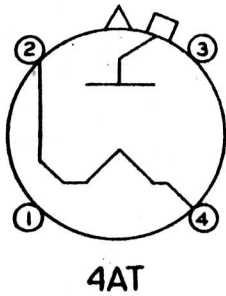
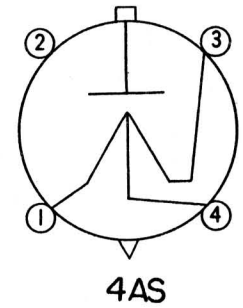
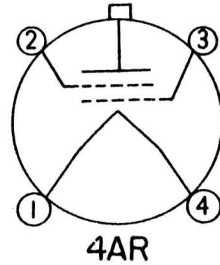
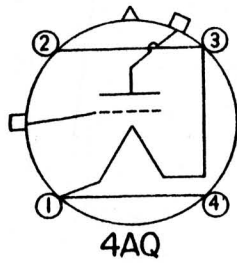
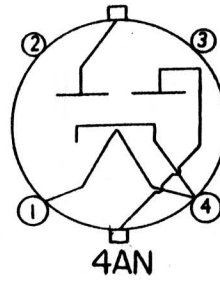
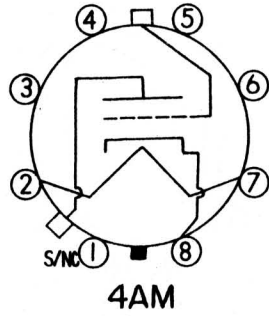
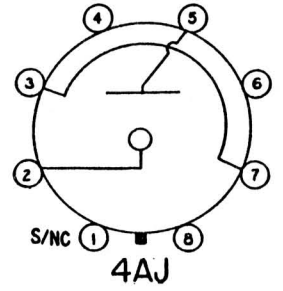
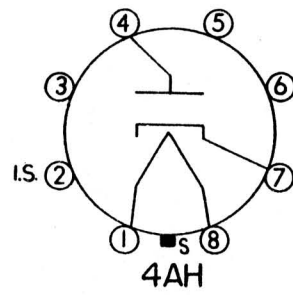
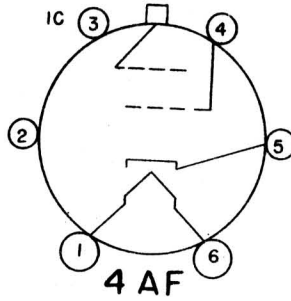
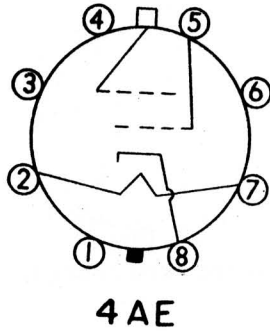
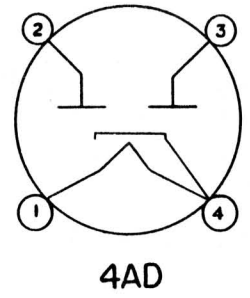
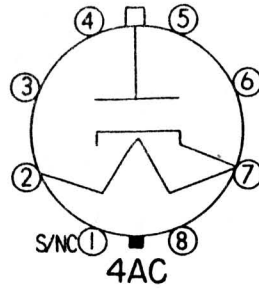
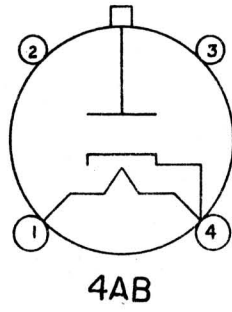
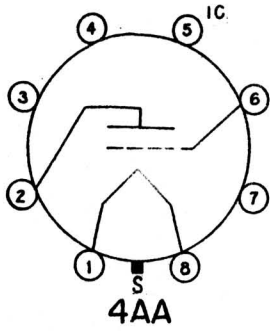
S/NC 1 4X



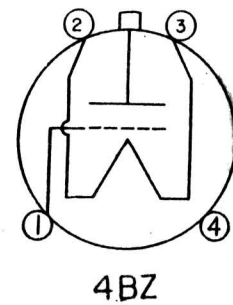
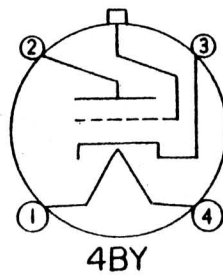
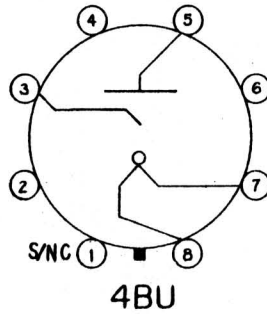
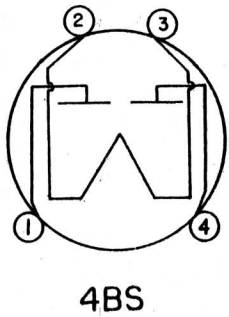
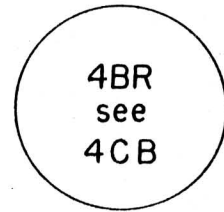
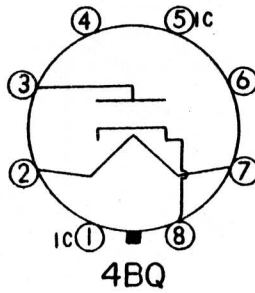
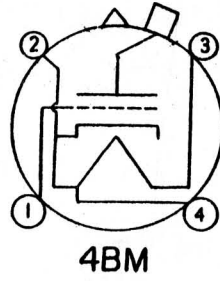
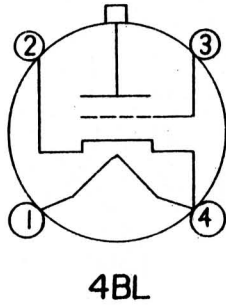
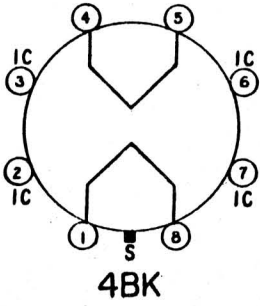
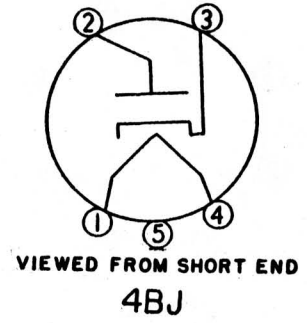
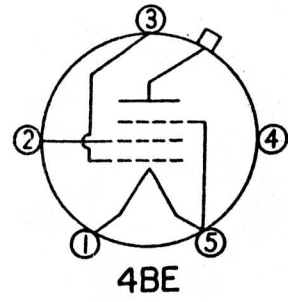
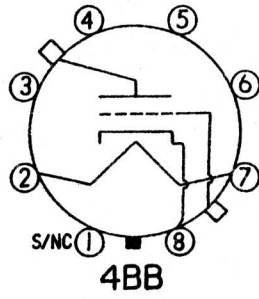
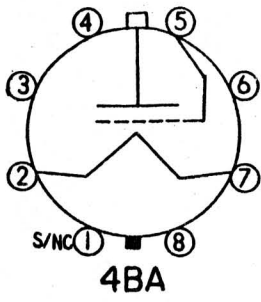
S/NC 1 4Y

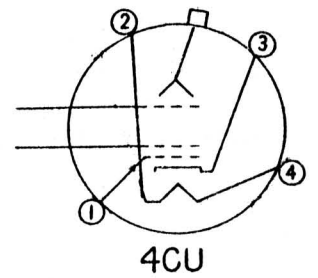
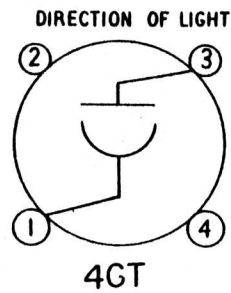
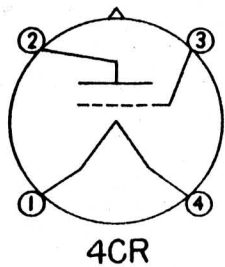
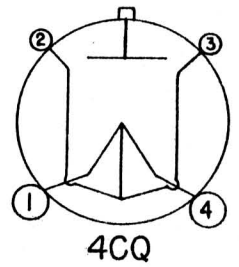
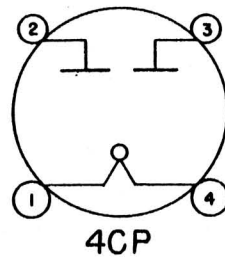
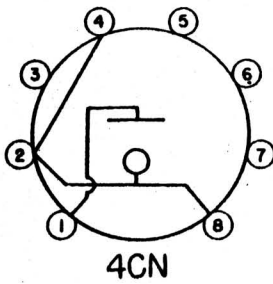
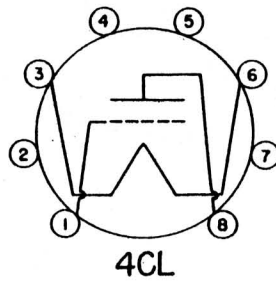
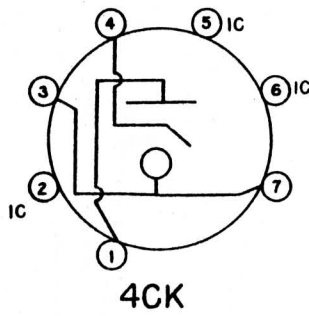
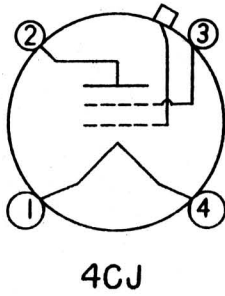
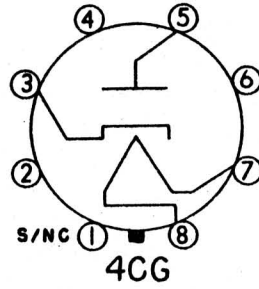
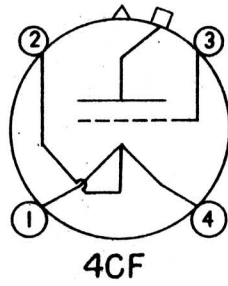
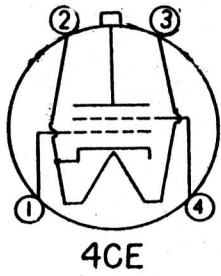
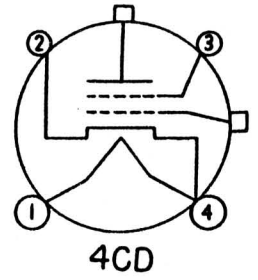
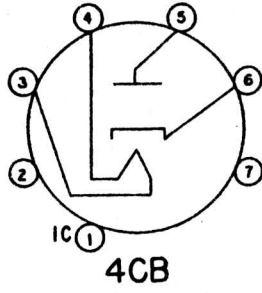
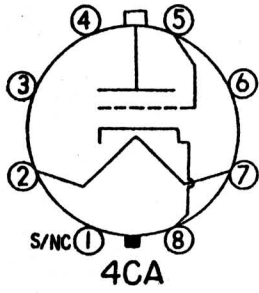


4Z

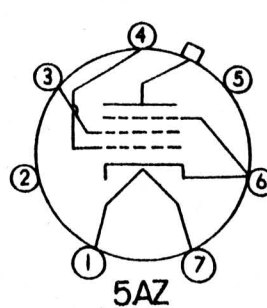
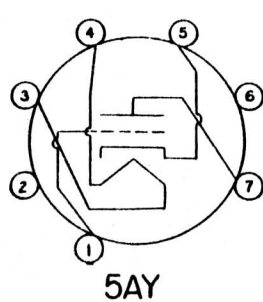
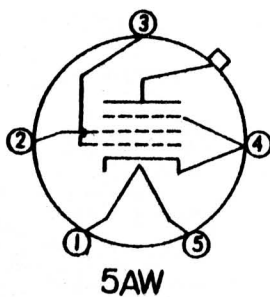
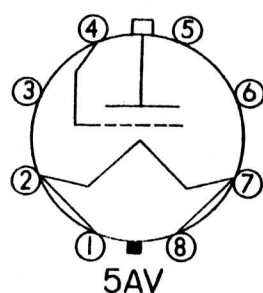
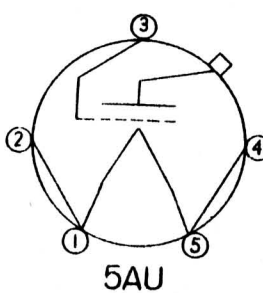
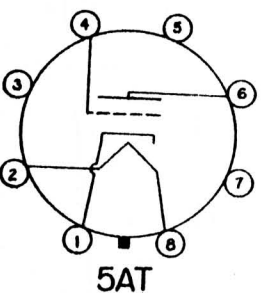
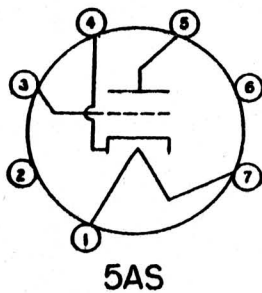
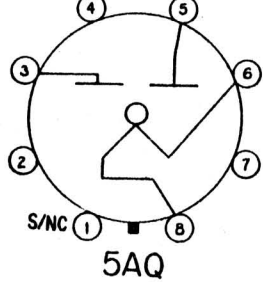
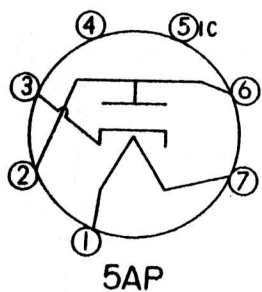
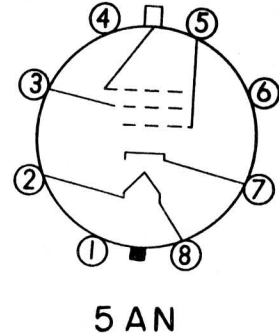
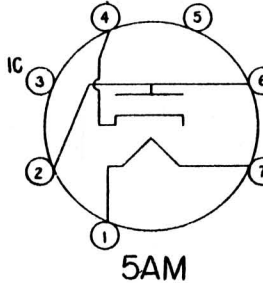
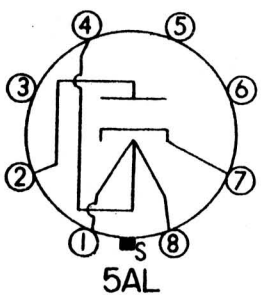
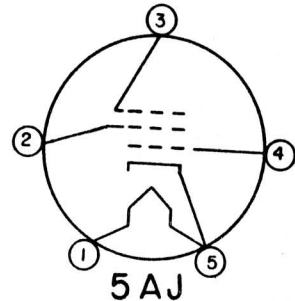
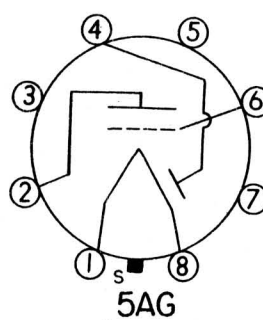
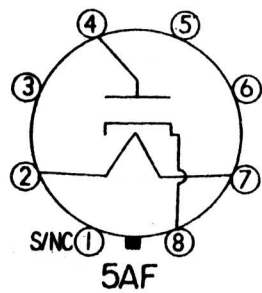
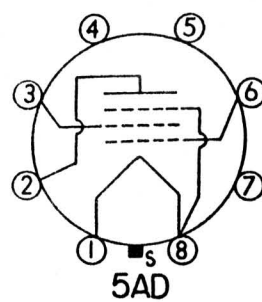
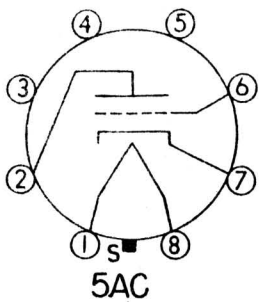
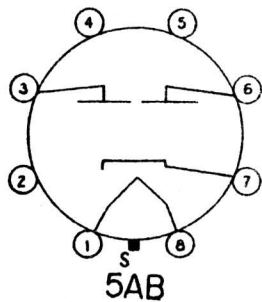
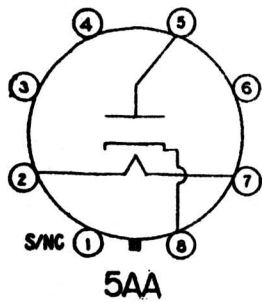


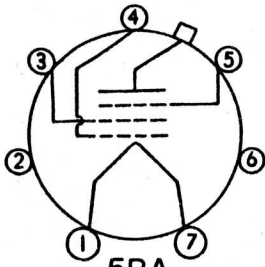




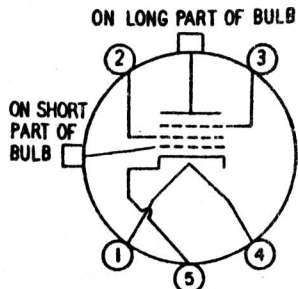






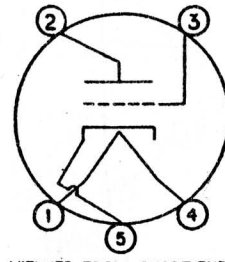


5BA

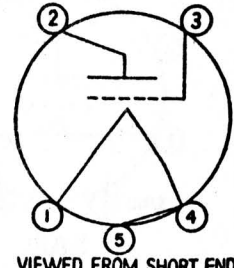


ON SHORT PART OF BULB

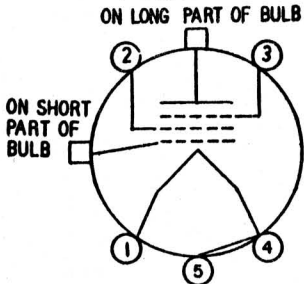
VIEWED FROM SHORT END  
5BB



VIEWED FROM SHORT END  
5BC

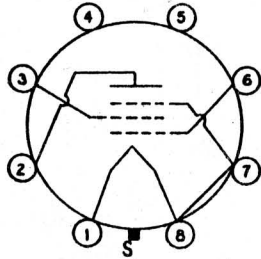


VIEWED FROM SHORT END  
5BD

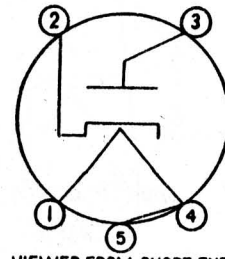


ON SHORT PART OF BULB

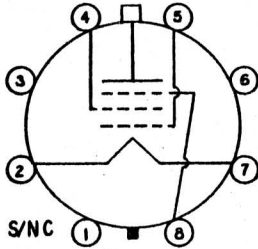
VIEWED FROM SHORT END  
5BE



5BF

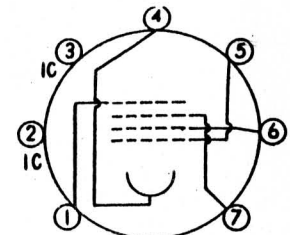


VIEWED FROM SHORT END  
5BG



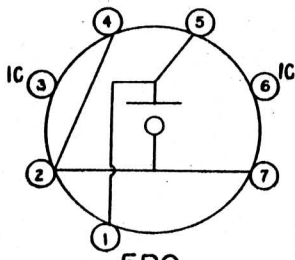
S/NC

5BJ



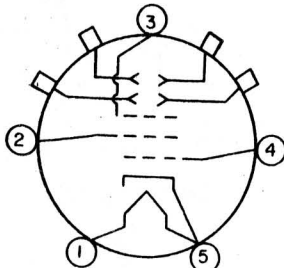
BULB TIP  
DIRECTION OF LIGHT  
PERPENDICULAR TO LARGE  
END OF BULB

5BN

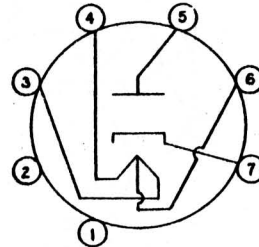


IC

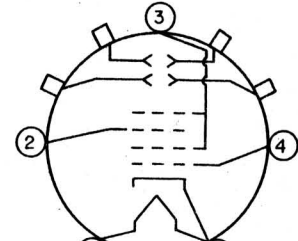
5BO



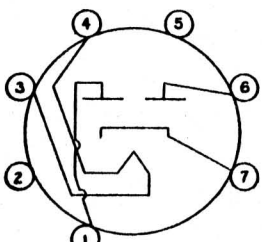
5BP



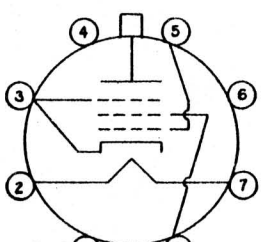
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5BR

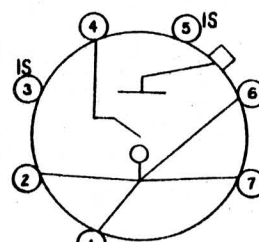


5BS



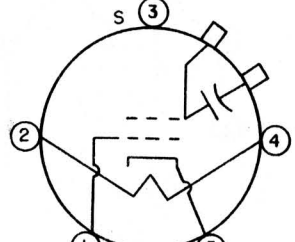
S/NC

5BT

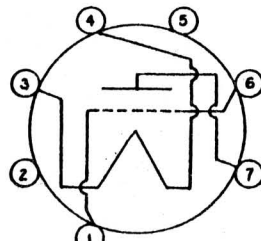


IS

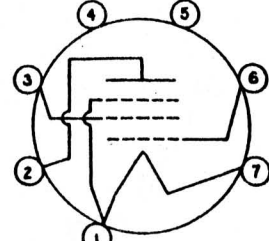
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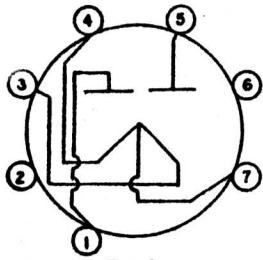
5BV



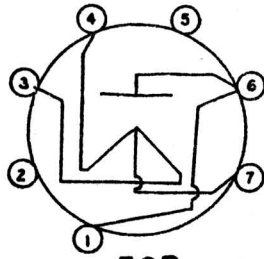
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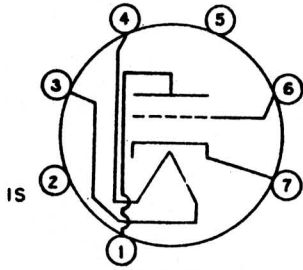
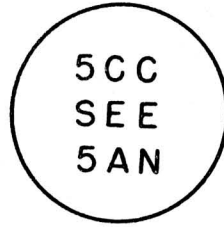
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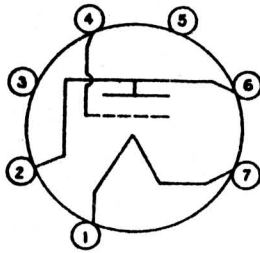
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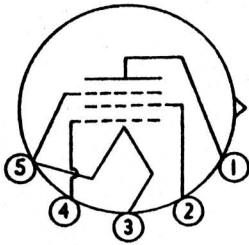
5CB



5CE

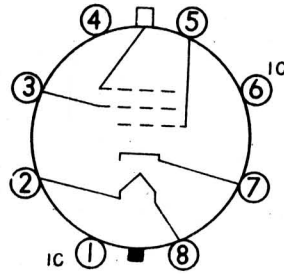


5CF

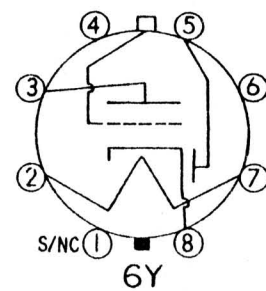
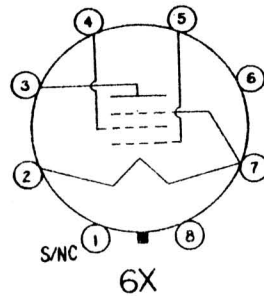
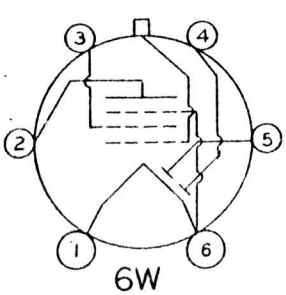
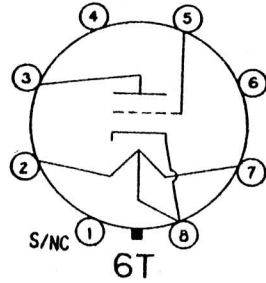
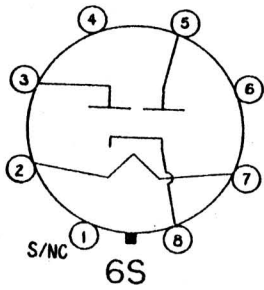
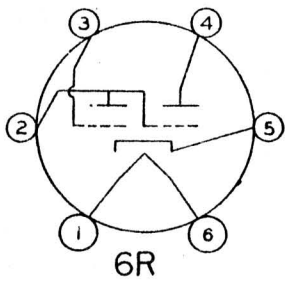
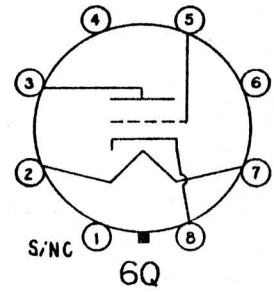
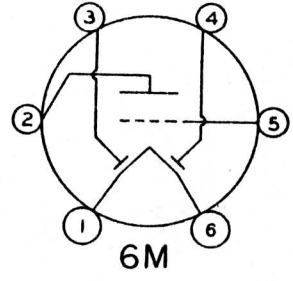
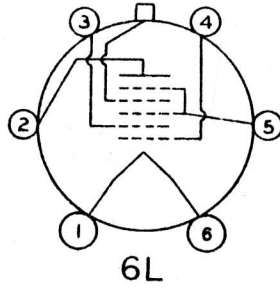
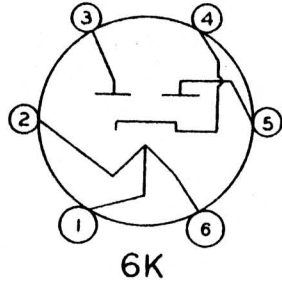
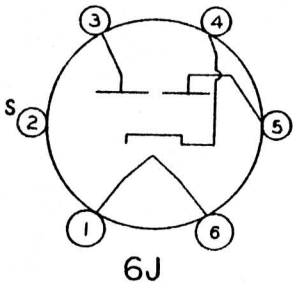
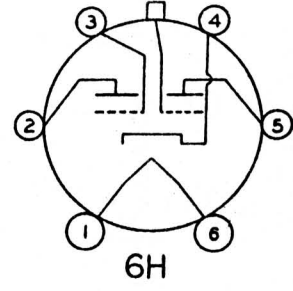
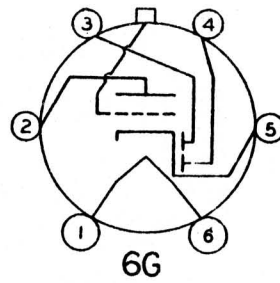
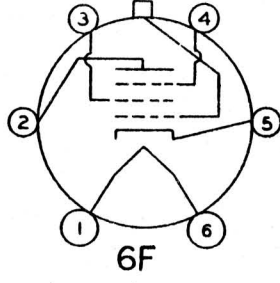
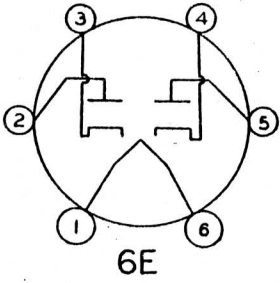
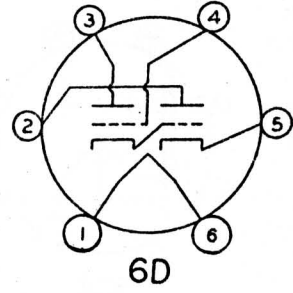
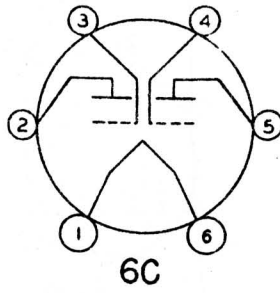
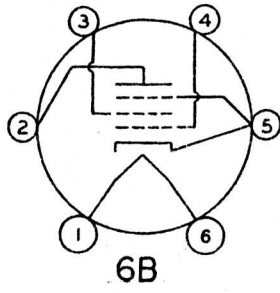
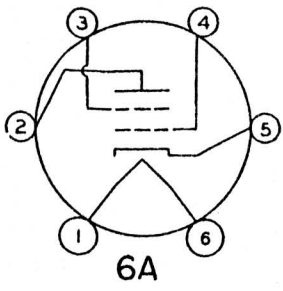


5CL

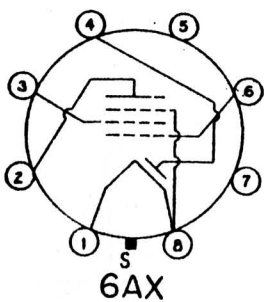
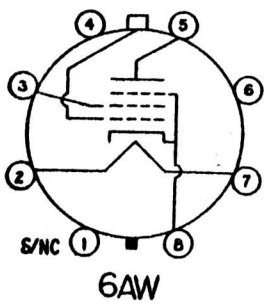
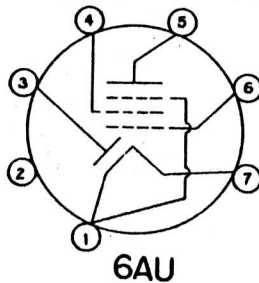
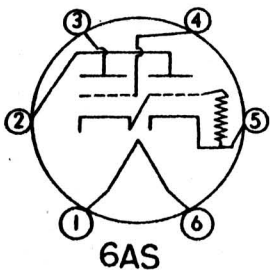
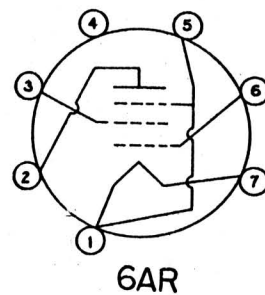
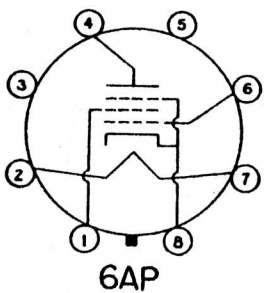
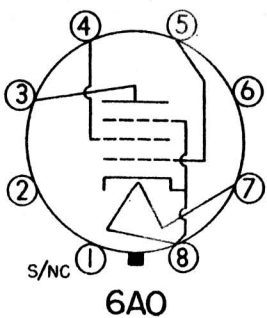
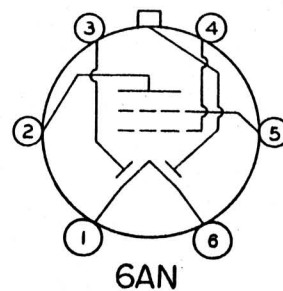
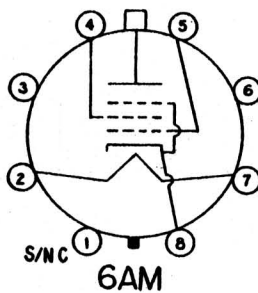
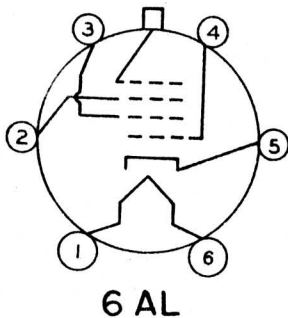
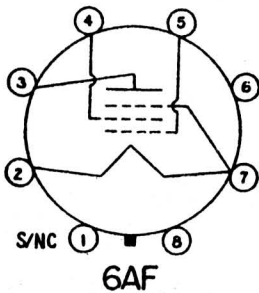
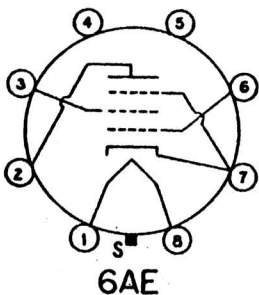
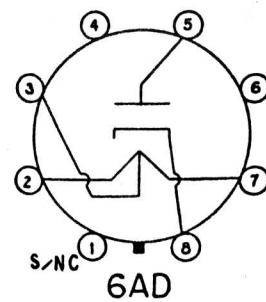
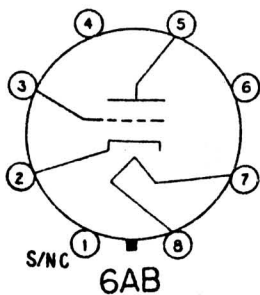
5CM  
(CRT)



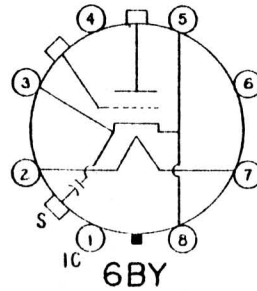
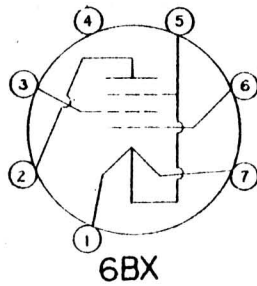
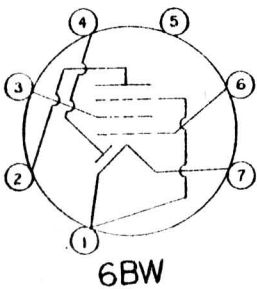
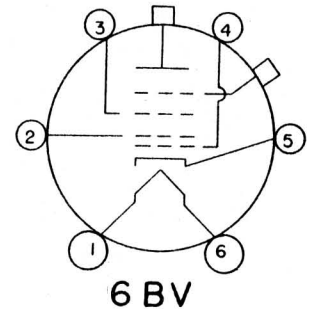
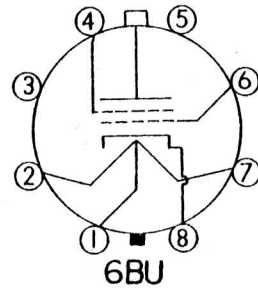
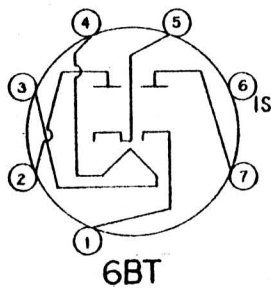
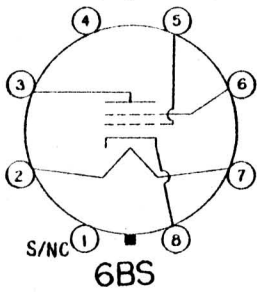
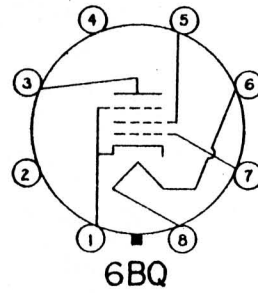
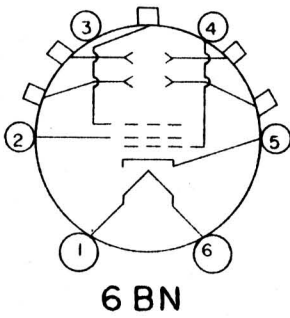
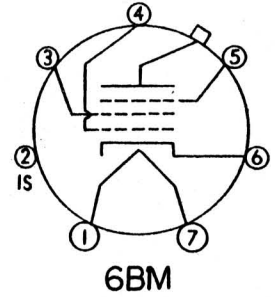
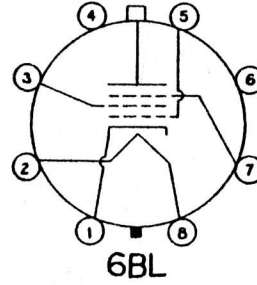
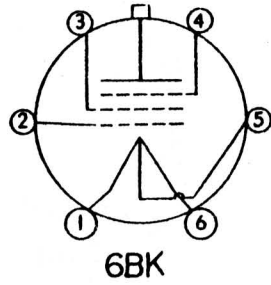
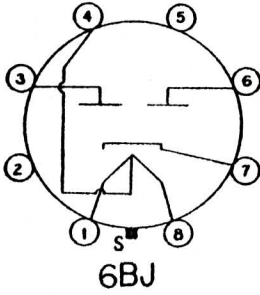
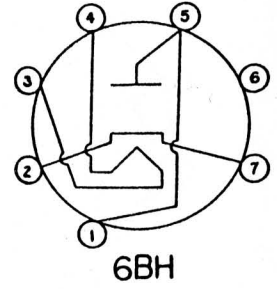
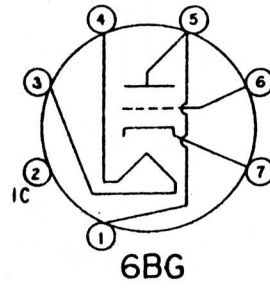
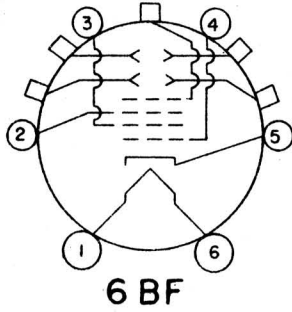
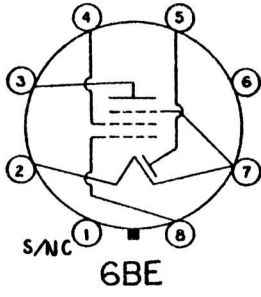
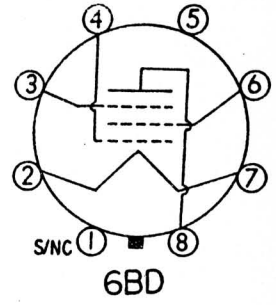
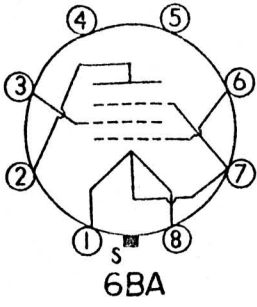
5CN

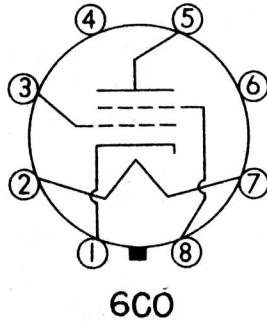
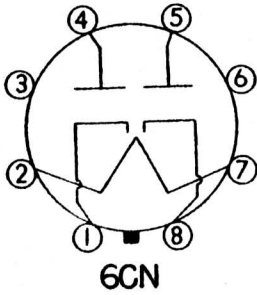
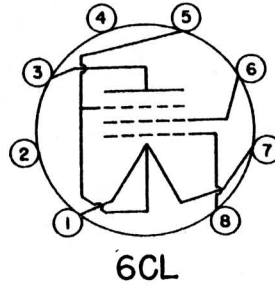
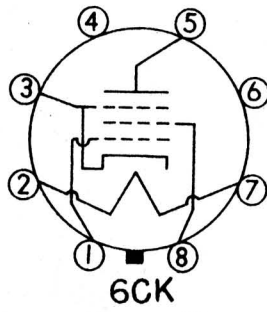
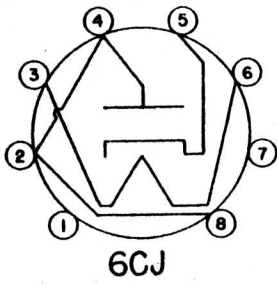
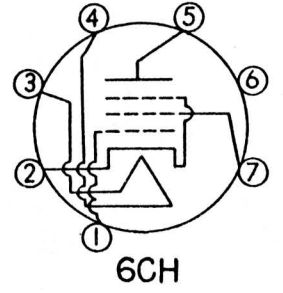
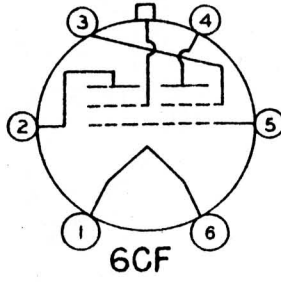
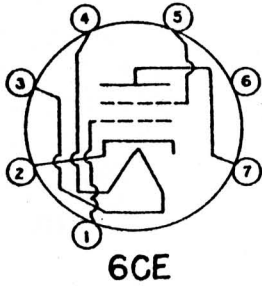
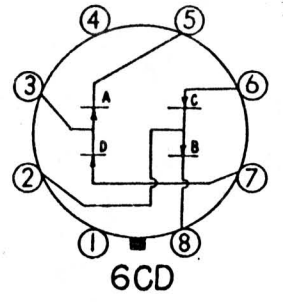
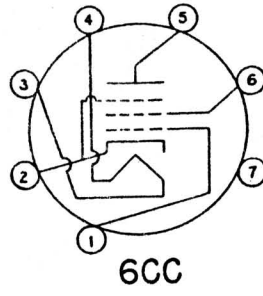
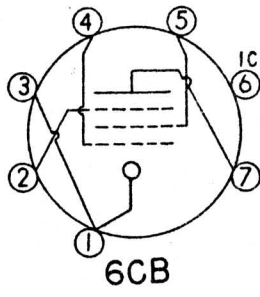


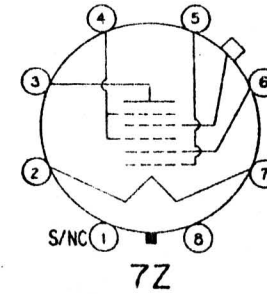
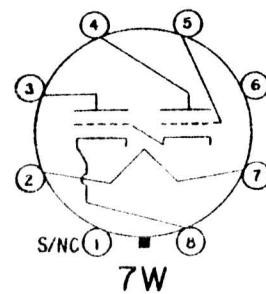
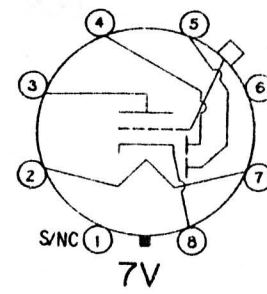
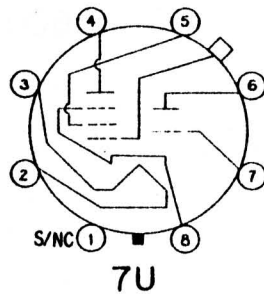
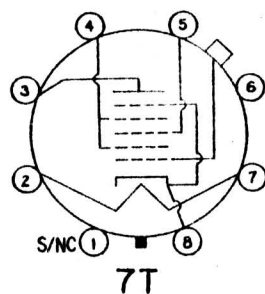
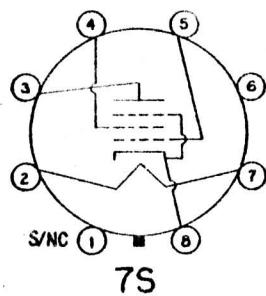
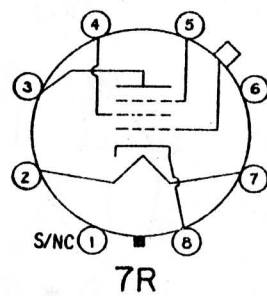
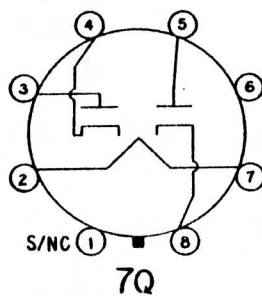
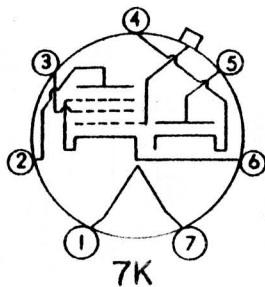
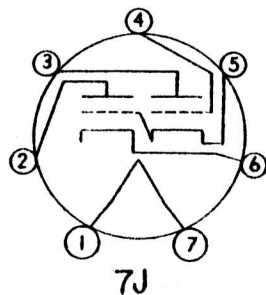
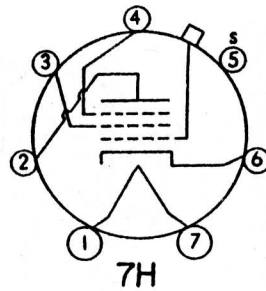
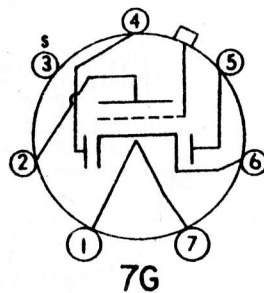
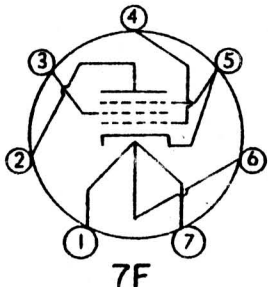
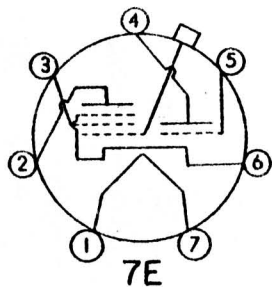
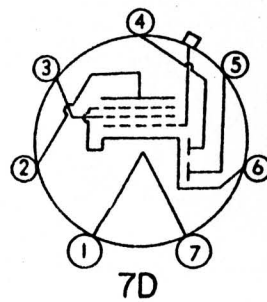
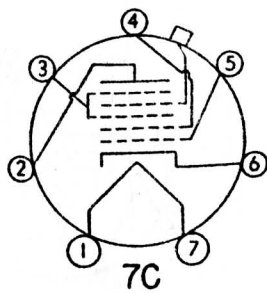
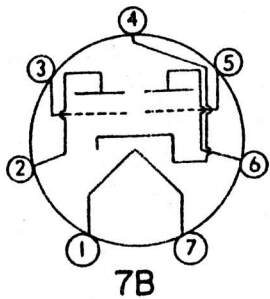
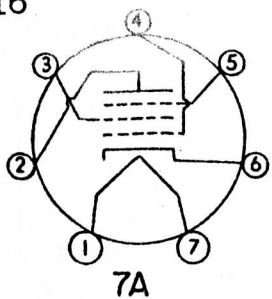


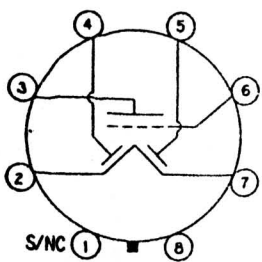


6AZ  
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8BQ

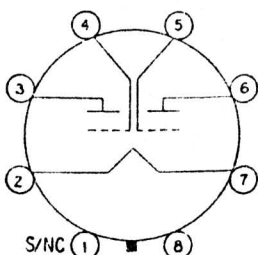




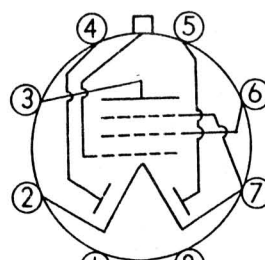
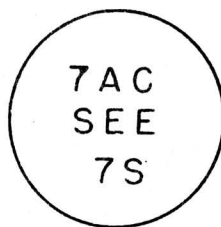




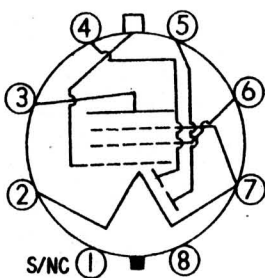
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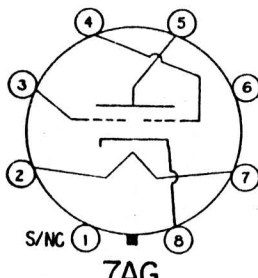
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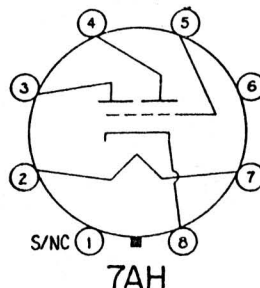
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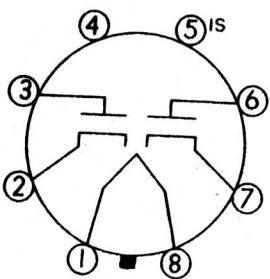
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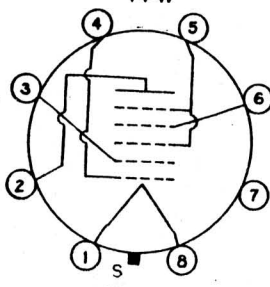
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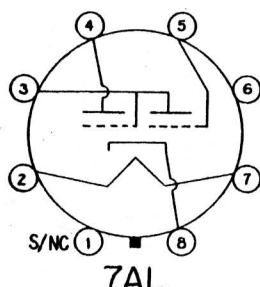
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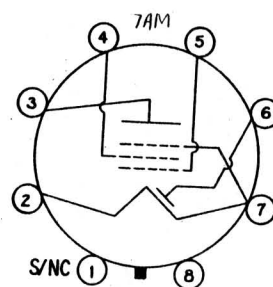
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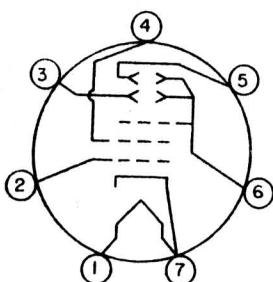
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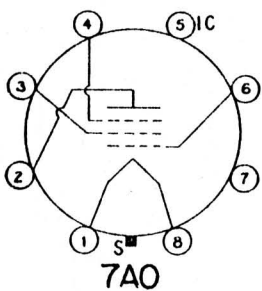
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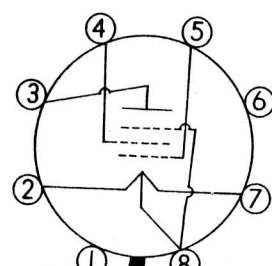
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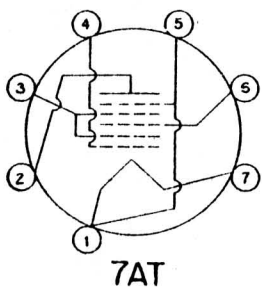
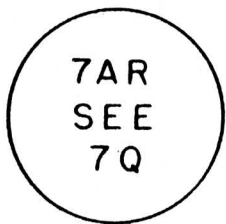
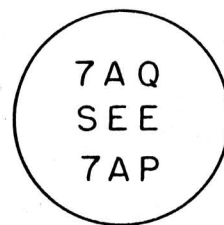
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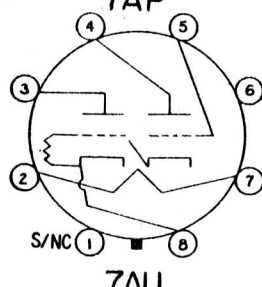
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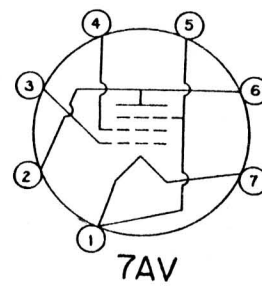
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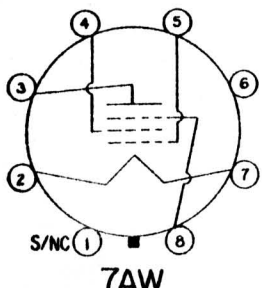
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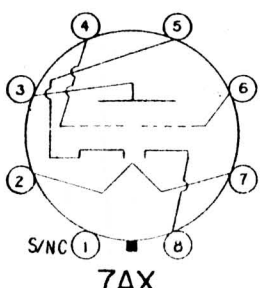
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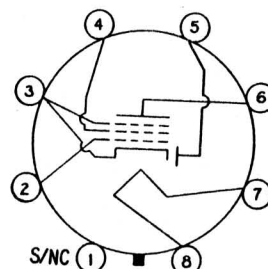
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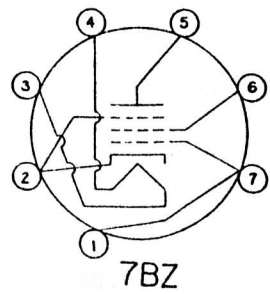
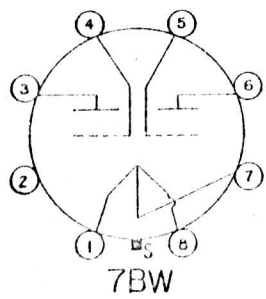
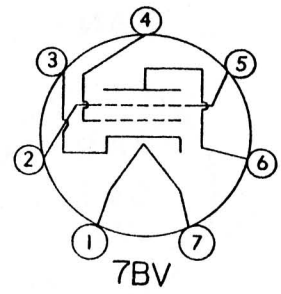
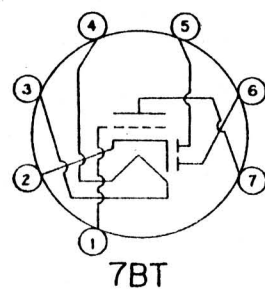
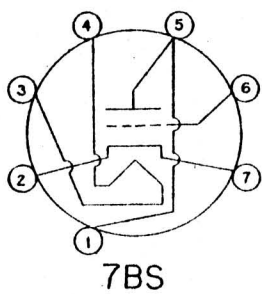
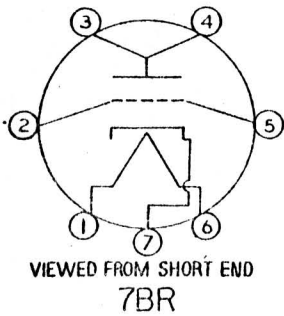
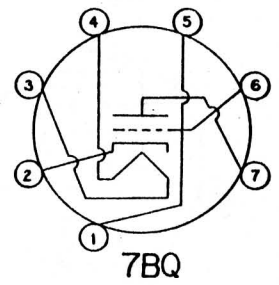
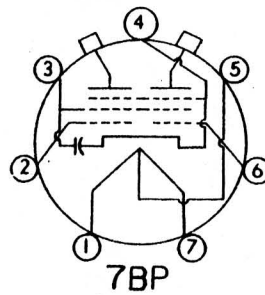
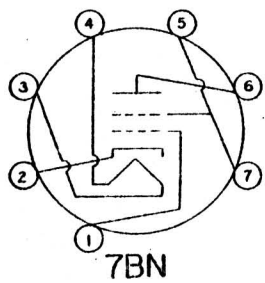
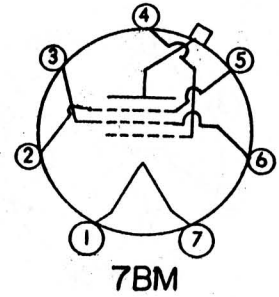
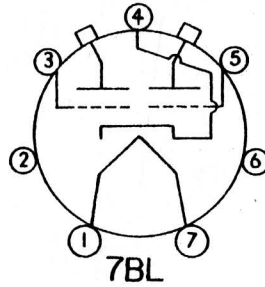
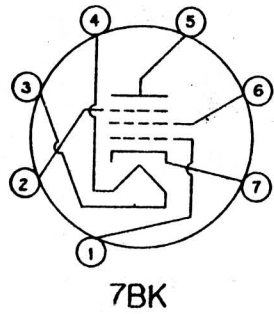
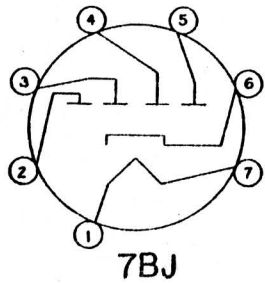
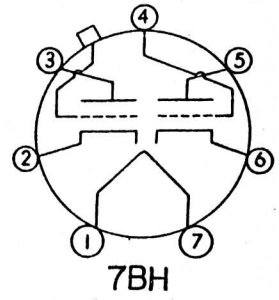
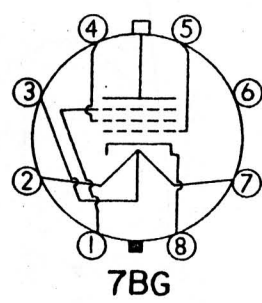
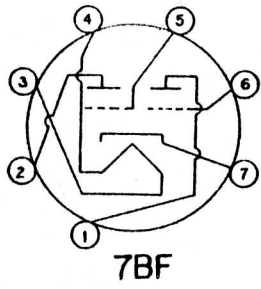
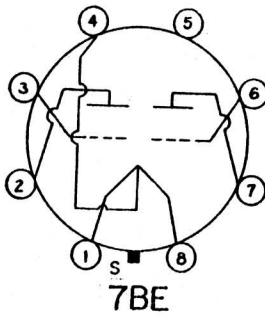
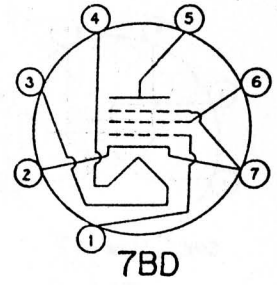
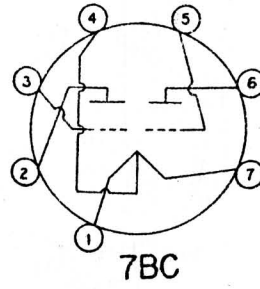
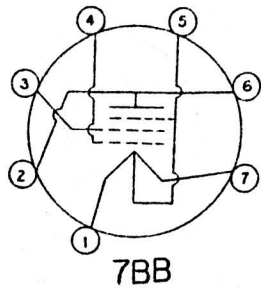
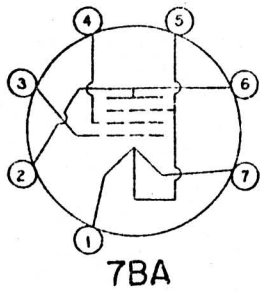
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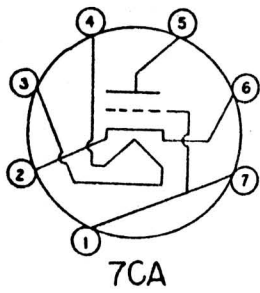


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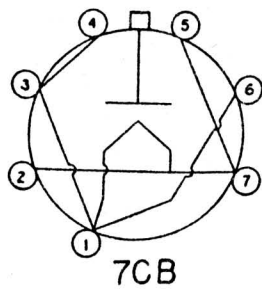


7AZ

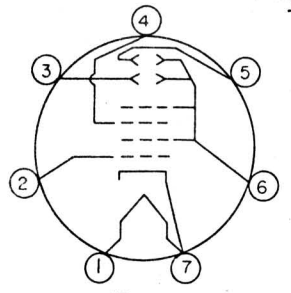
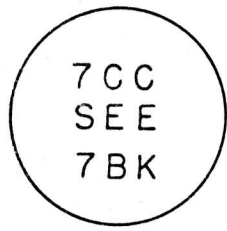




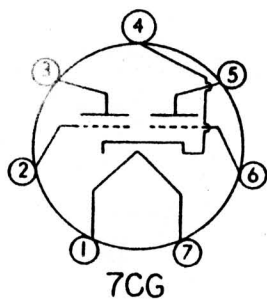
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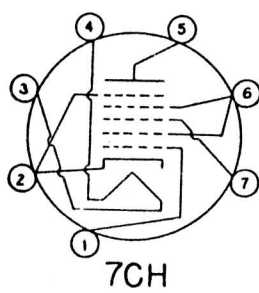
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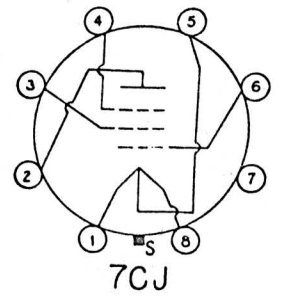
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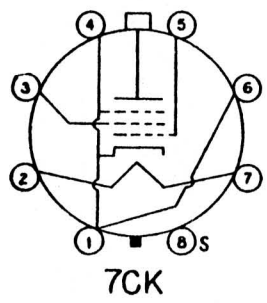
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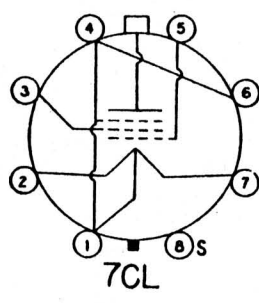
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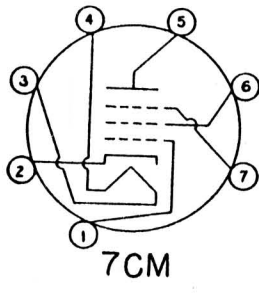
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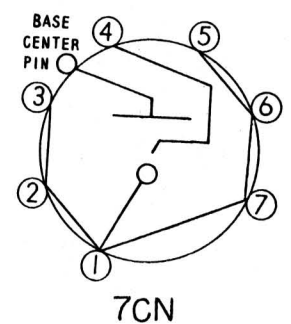
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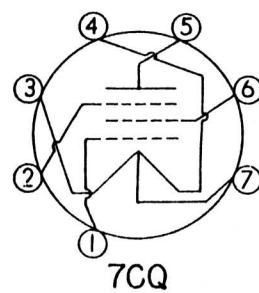
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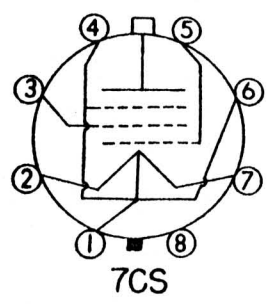
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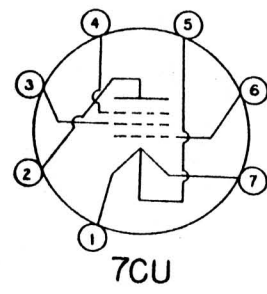
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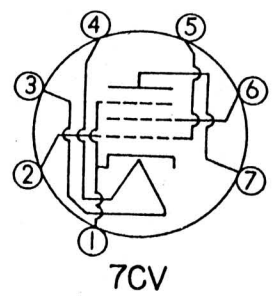
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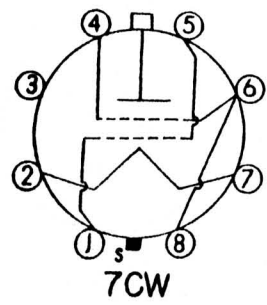
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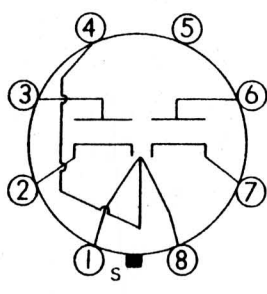
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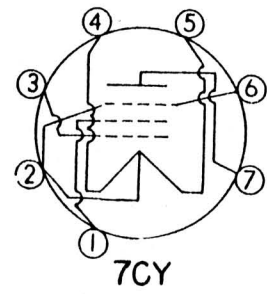
7CV



7CW

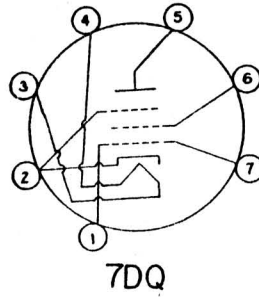
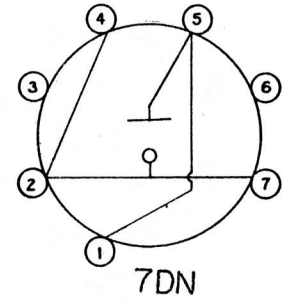
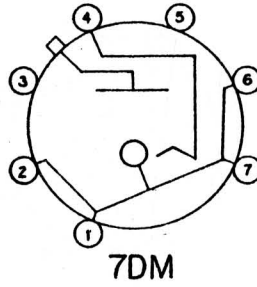
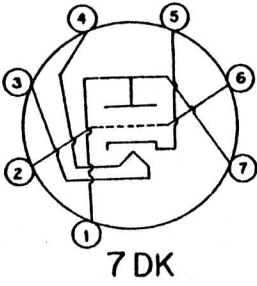
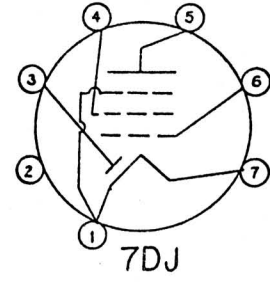
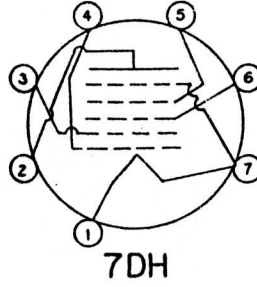
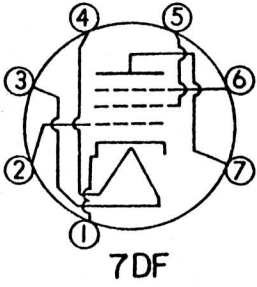
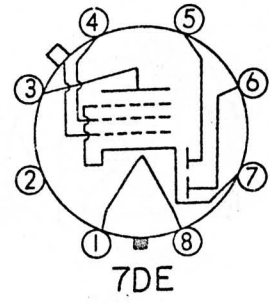
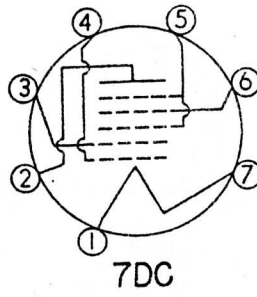
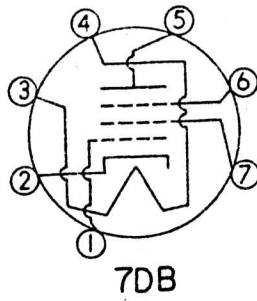


7CX

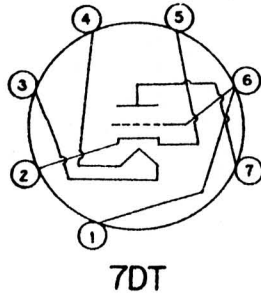
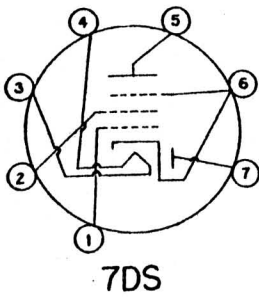


7CY

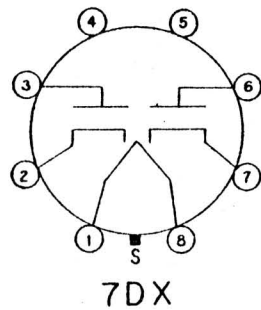




7DR  
SEE  
7DB

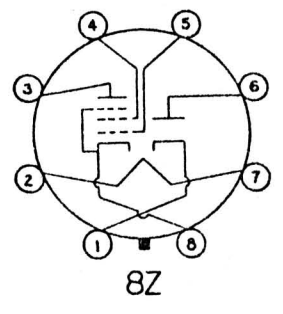
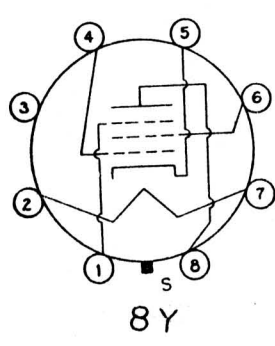
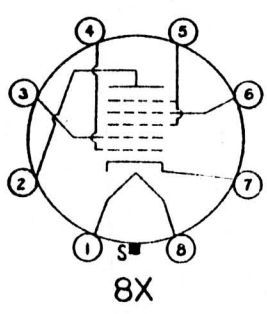
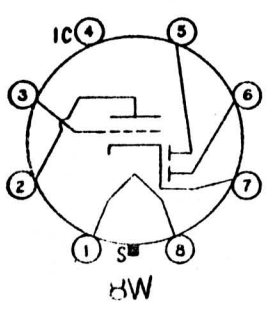
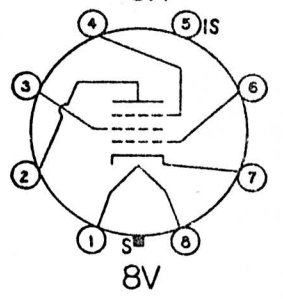
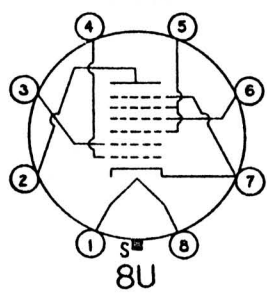
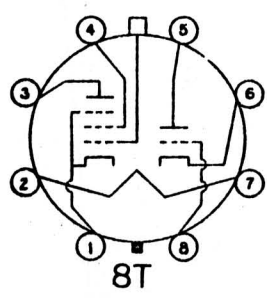
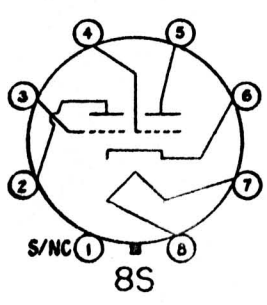
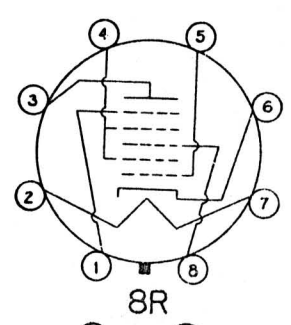
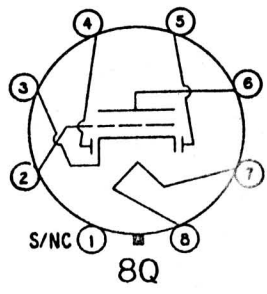
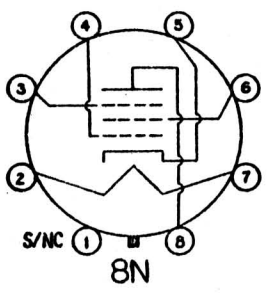
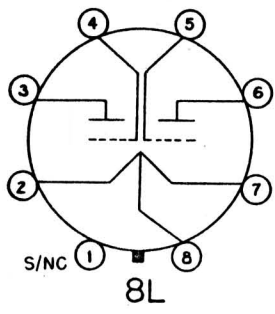
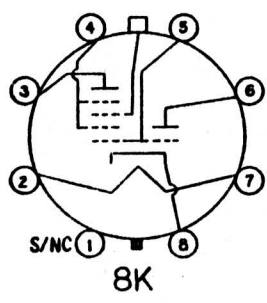
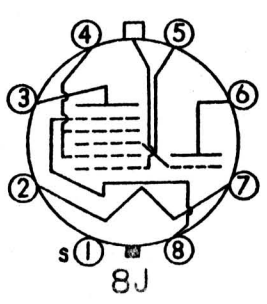
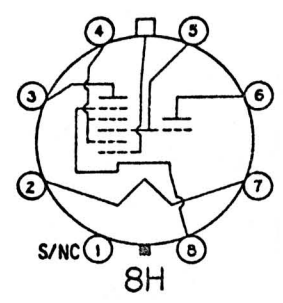
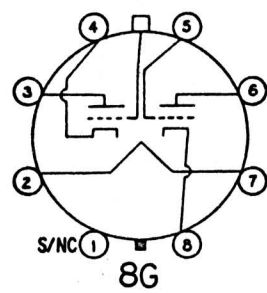
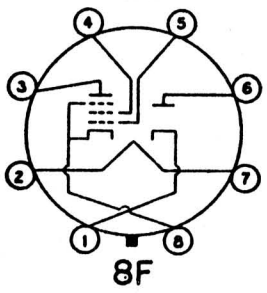
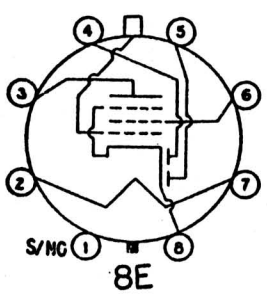
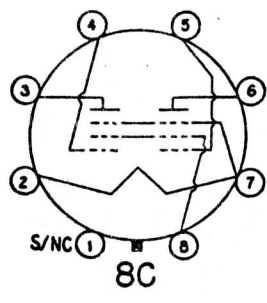
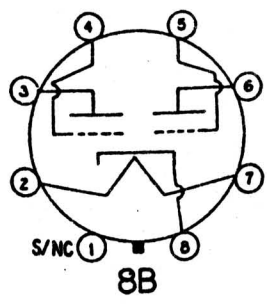
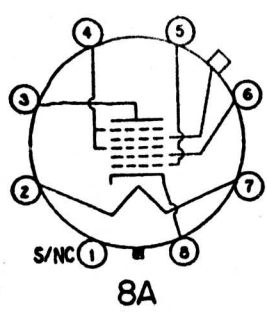


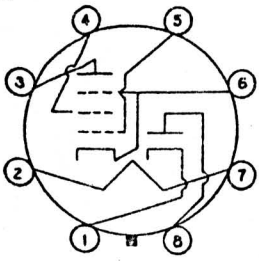
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5BS



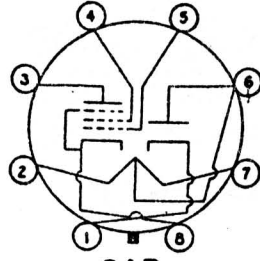
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SEE  
7Q

7DZ  
SEE  
7R

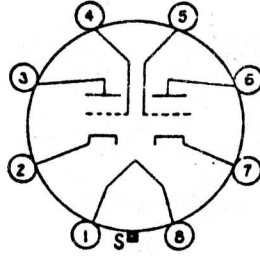




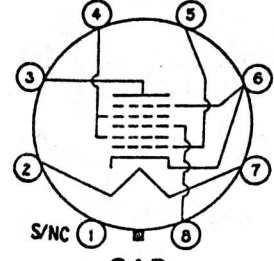
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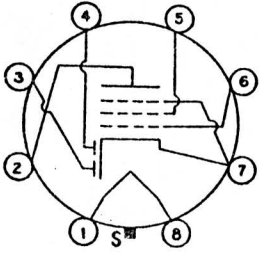
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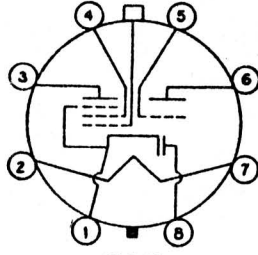
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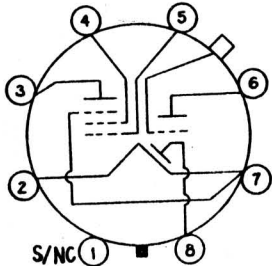
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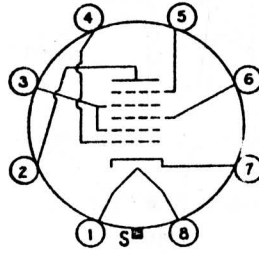
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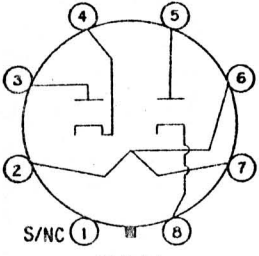
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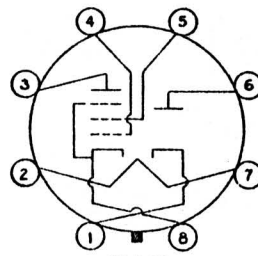
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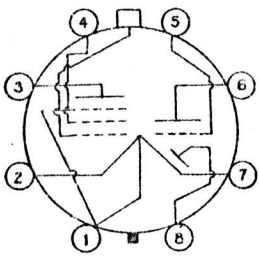
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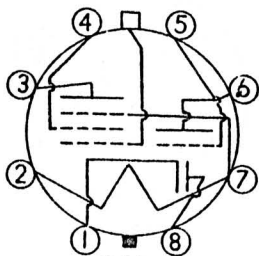
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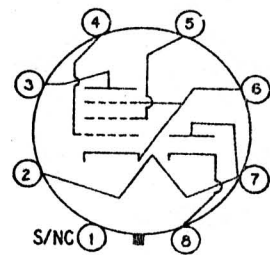
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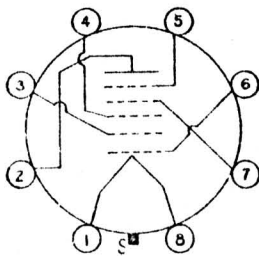
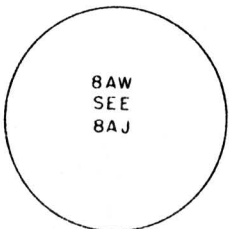
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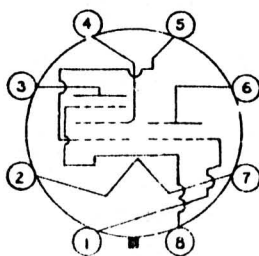
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8AV

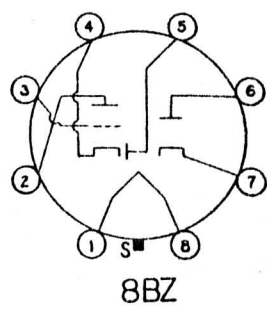
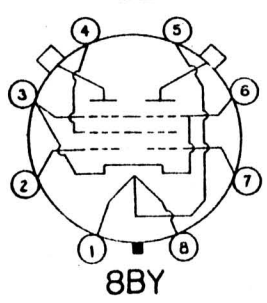
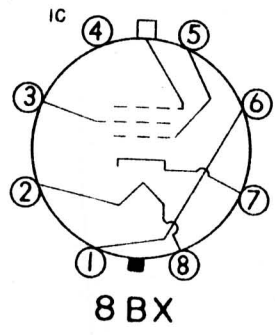
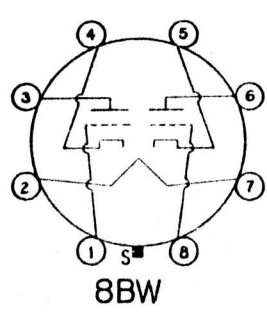
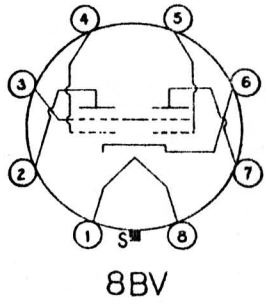
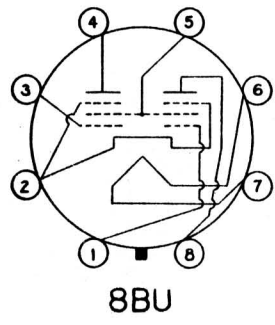
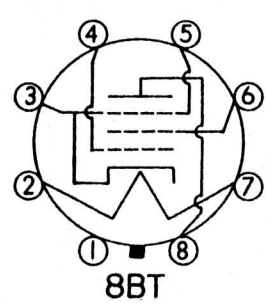
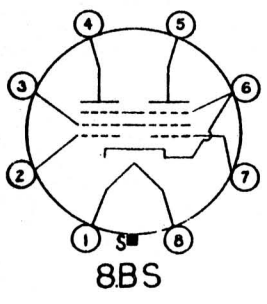
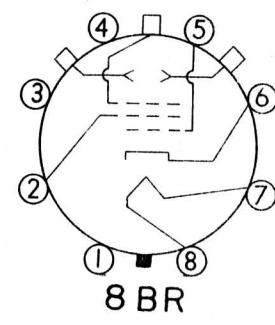
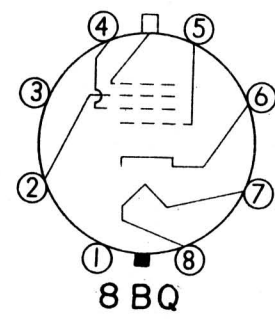
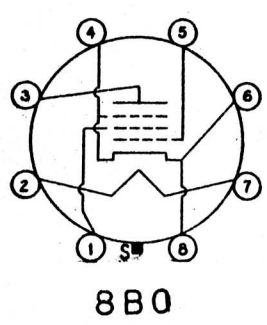
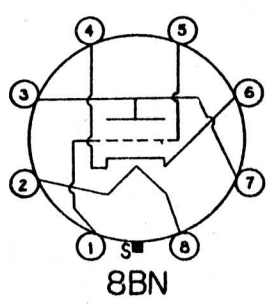
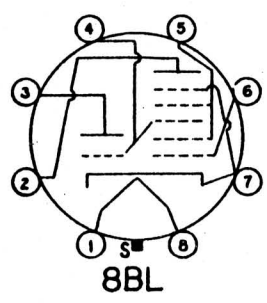
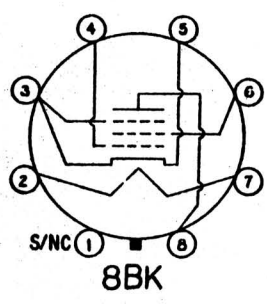
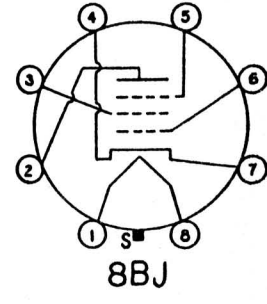
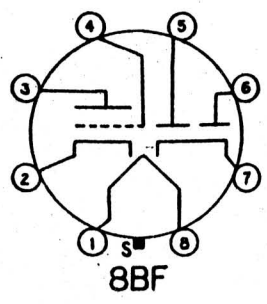
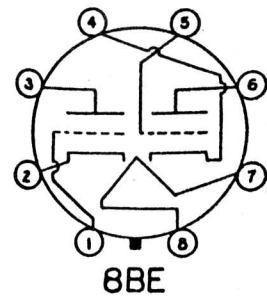
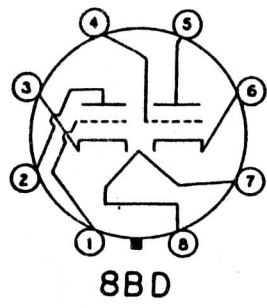


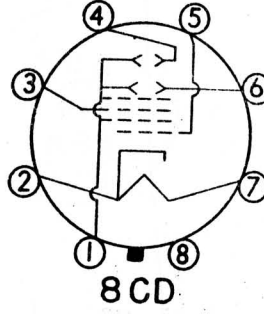
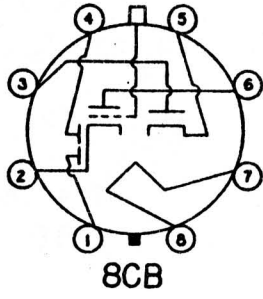
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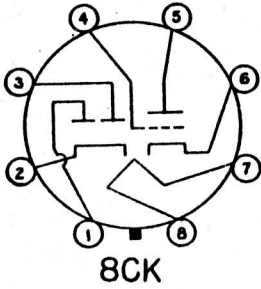
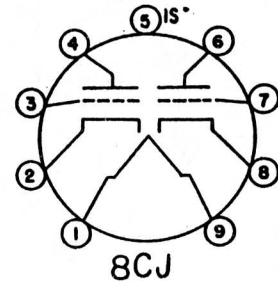
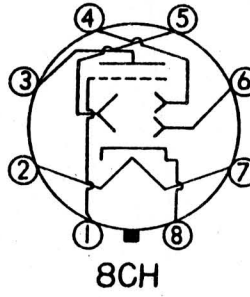
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8BC  
see  
8BK

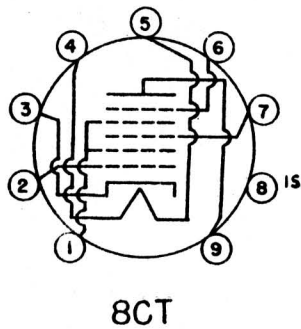
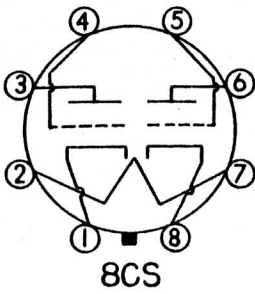
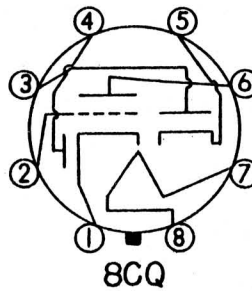
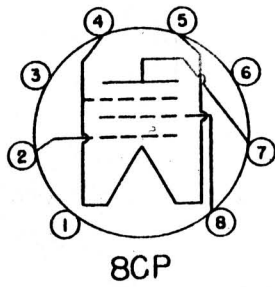
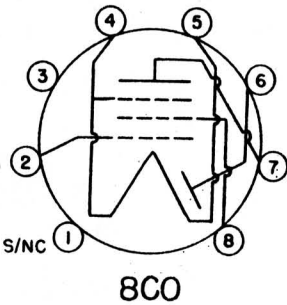
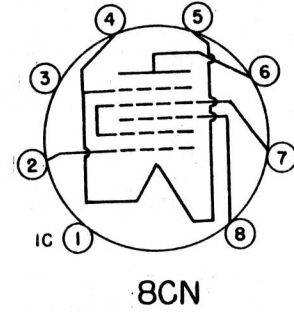


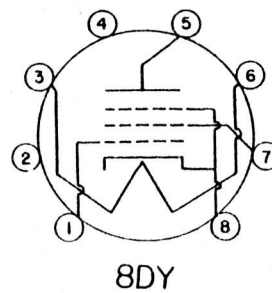
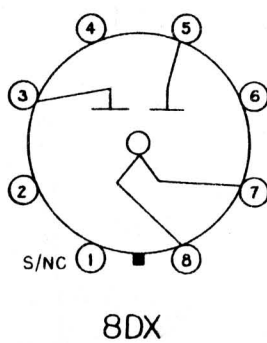
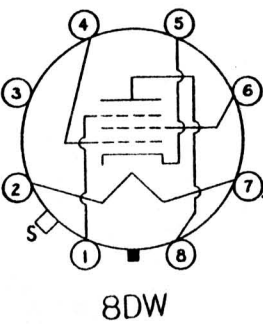
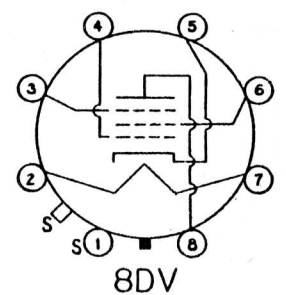
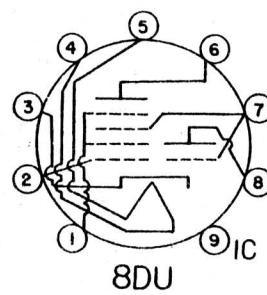
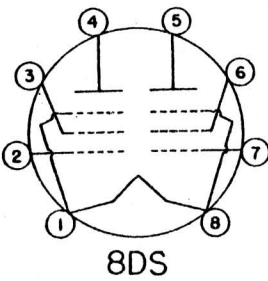
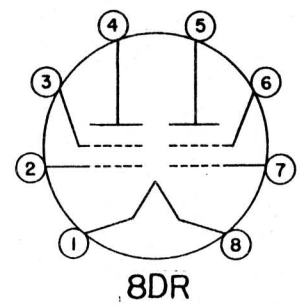
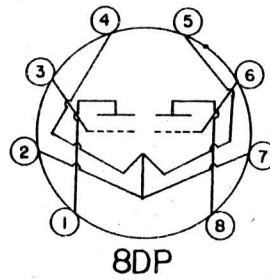
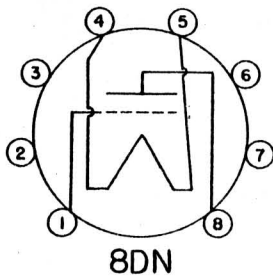
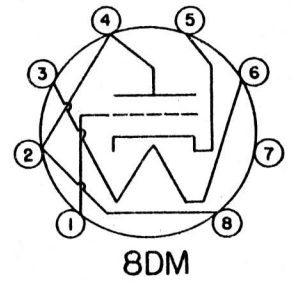
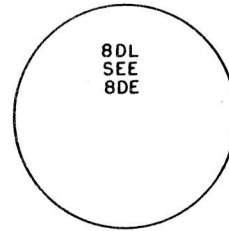
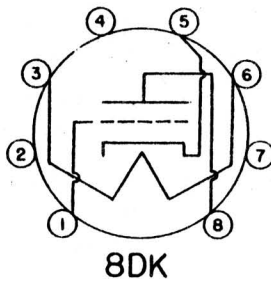
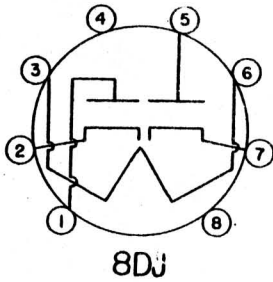
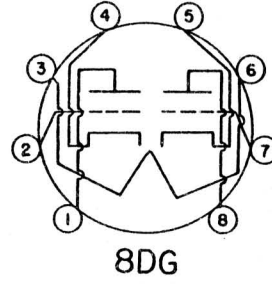
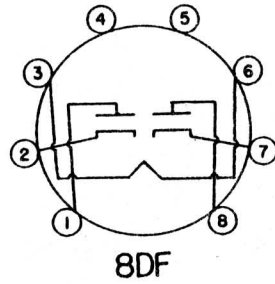
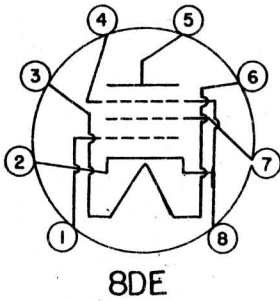
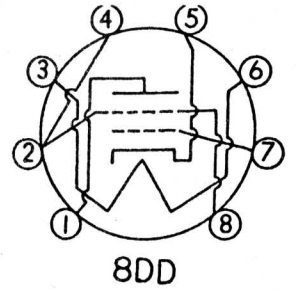
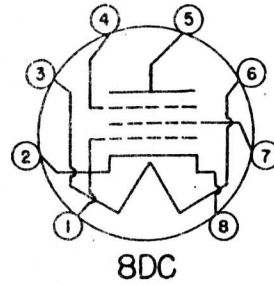
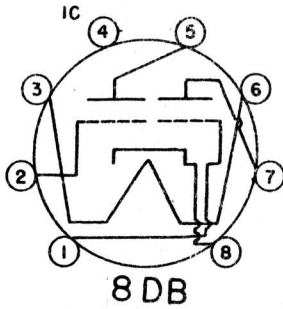
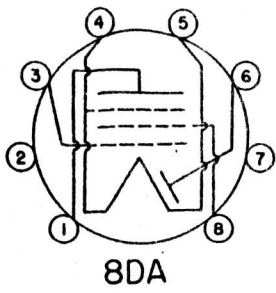


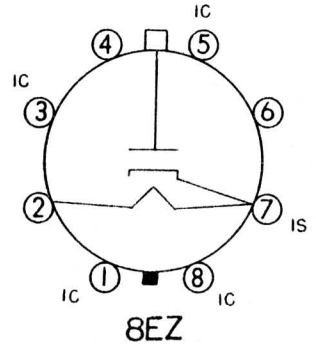
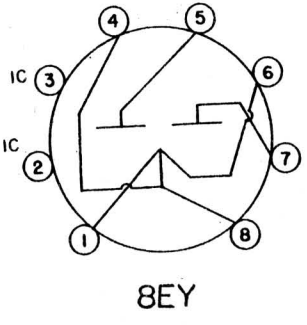
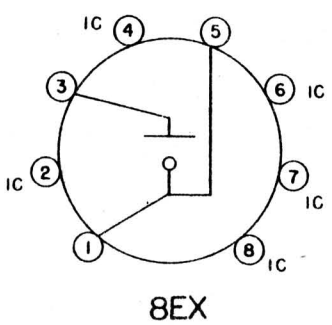
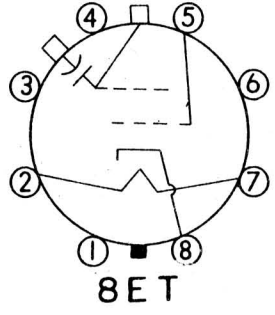
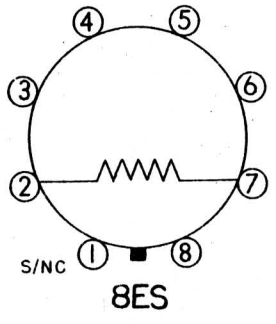
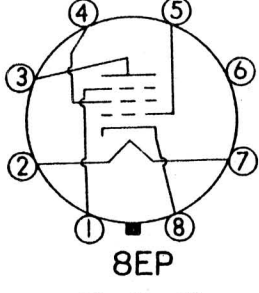
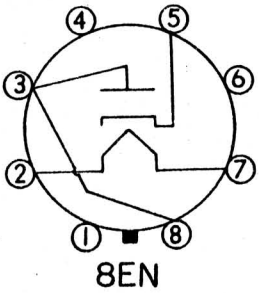
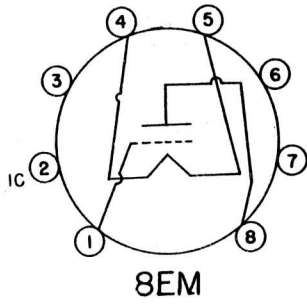
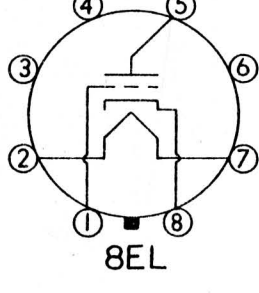
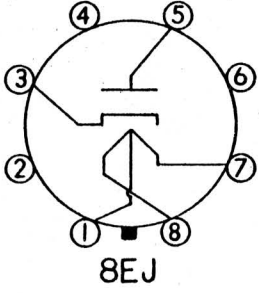
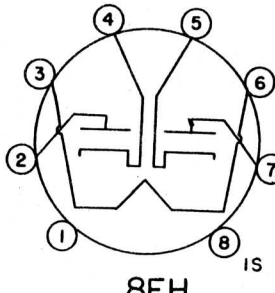
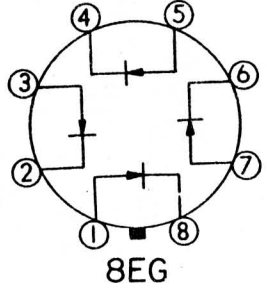
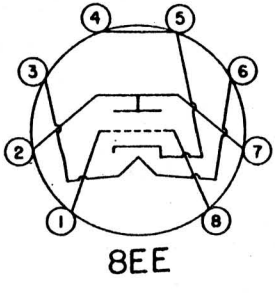
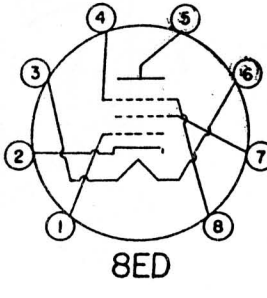
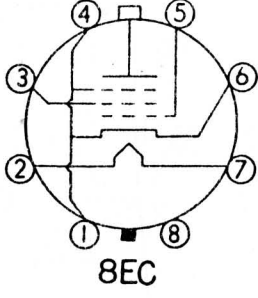
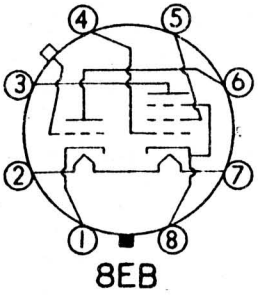
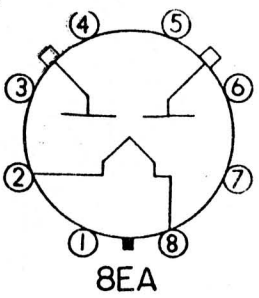
8CE  
8CF  
see  
8CK

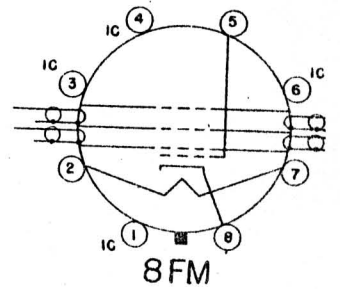
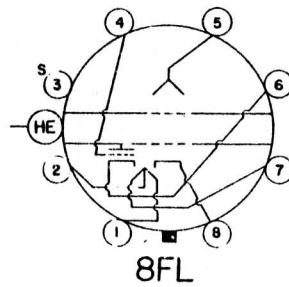
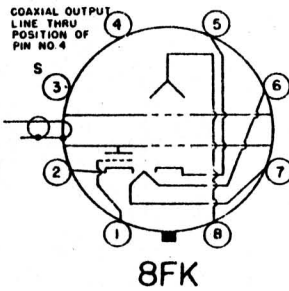
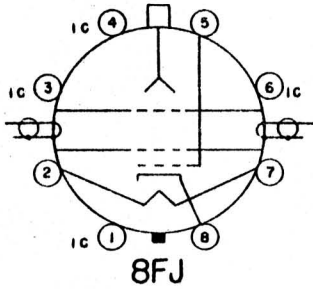
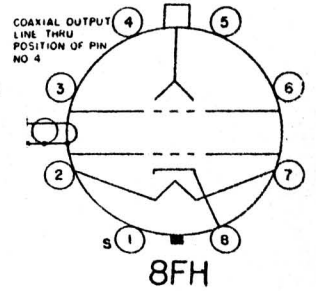
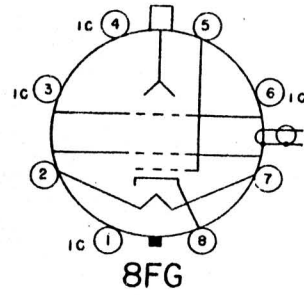
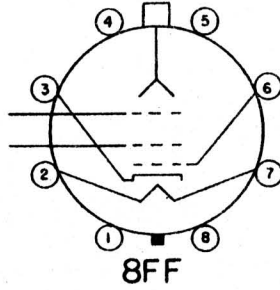
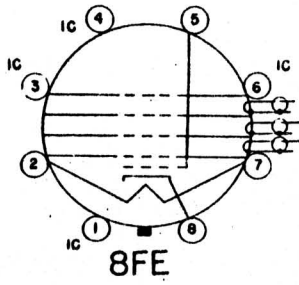
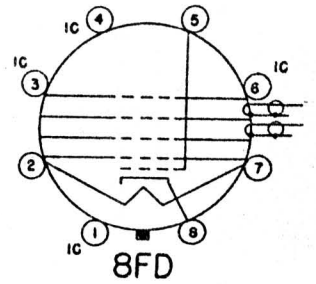
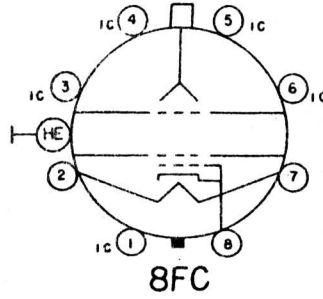
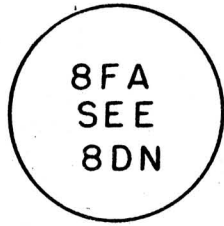


8CL  
see  
7CW



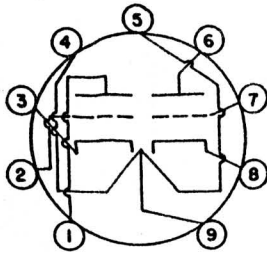




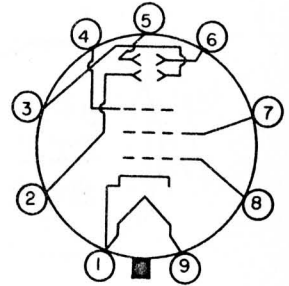


COAXIAL OUTPUT  
LINE THRU  
POSITION OF PIN  
NO. 4

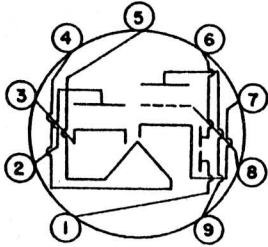




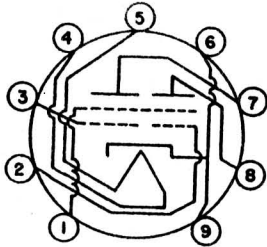
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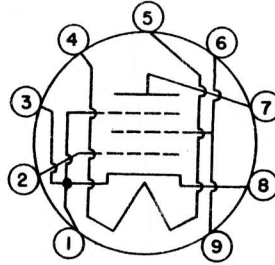
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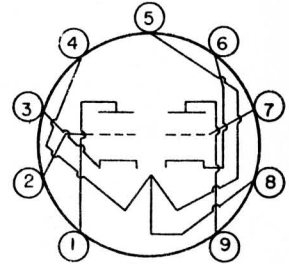
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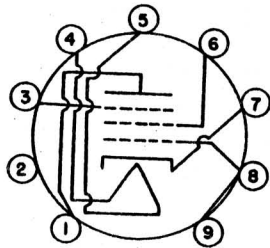
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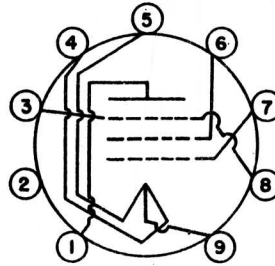
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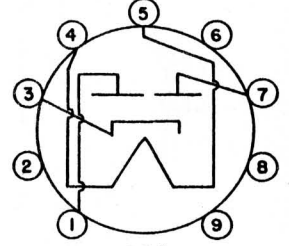
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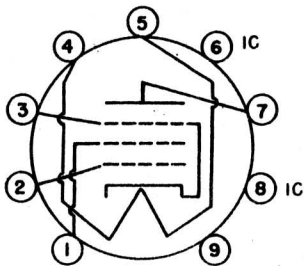
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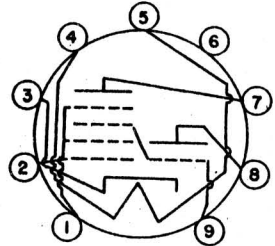
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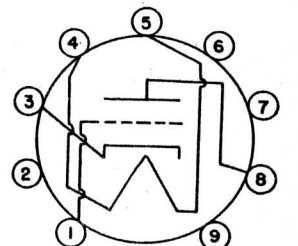
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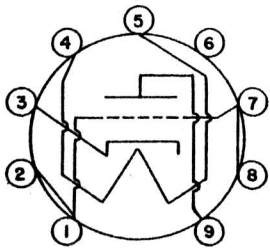
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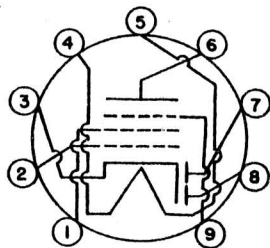
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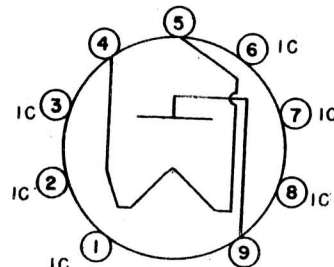
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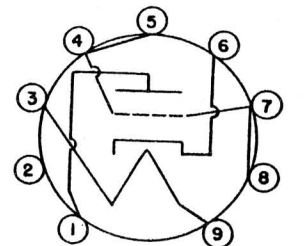
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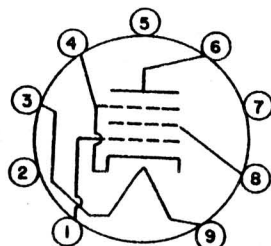
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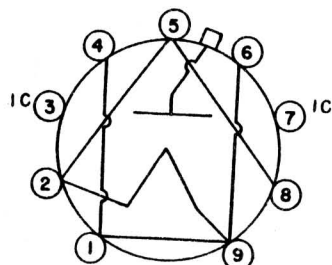
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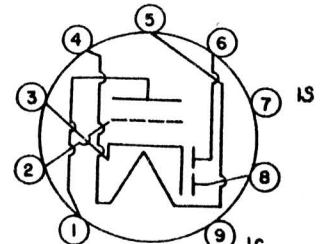
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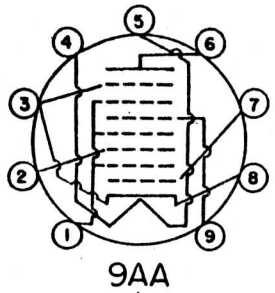
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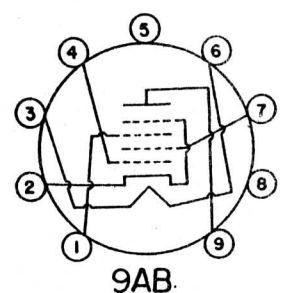
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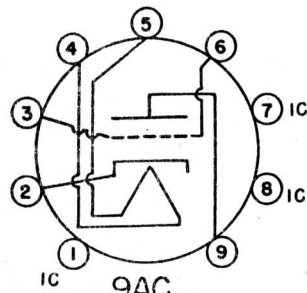
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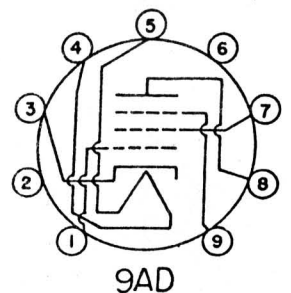
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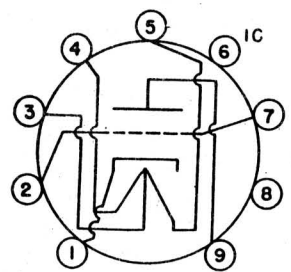
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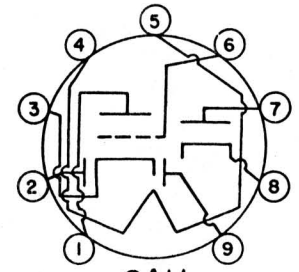
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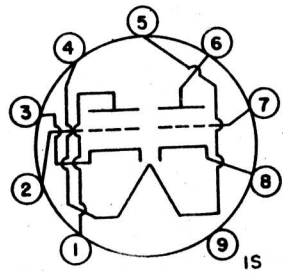
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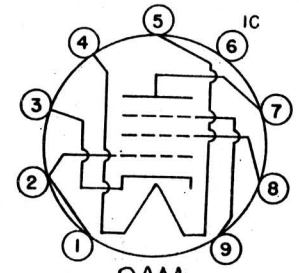
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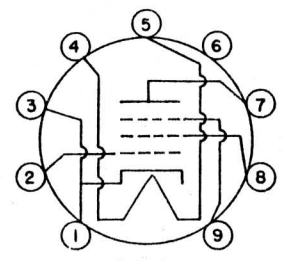
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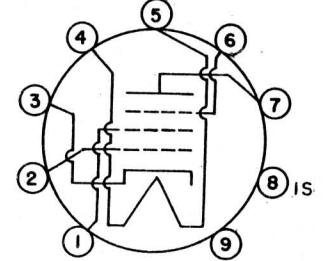
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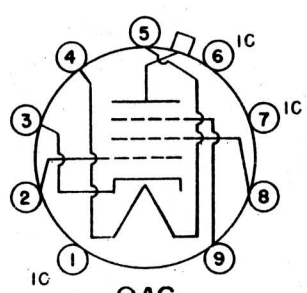
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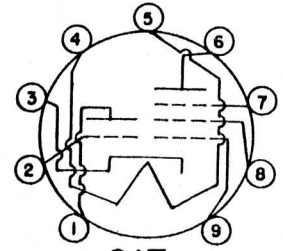
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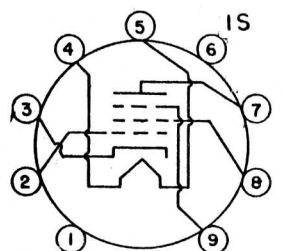
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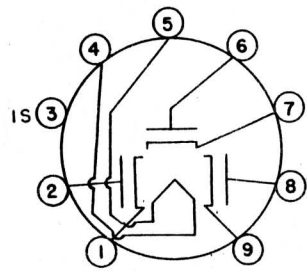
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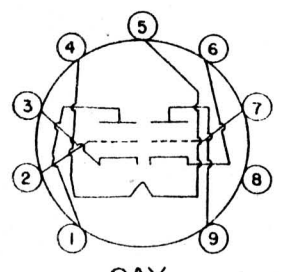
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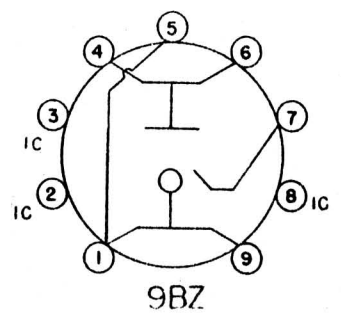
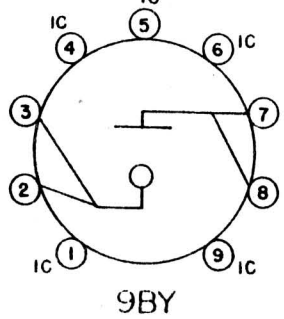
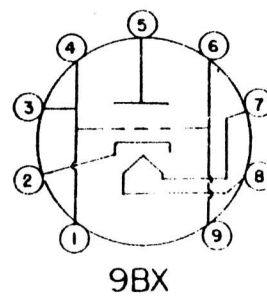
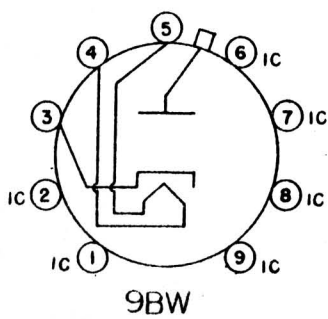
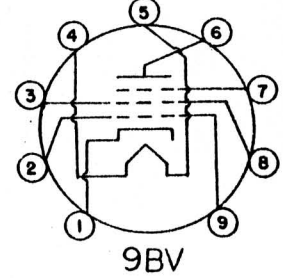
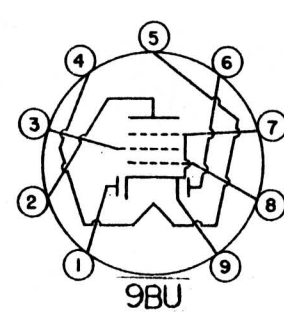
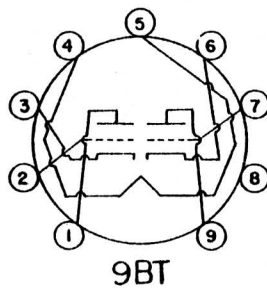
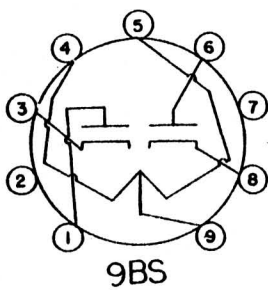
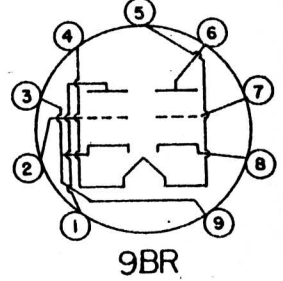
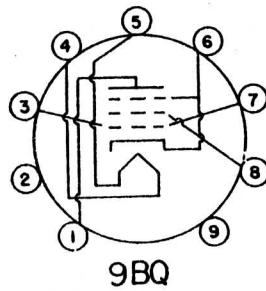
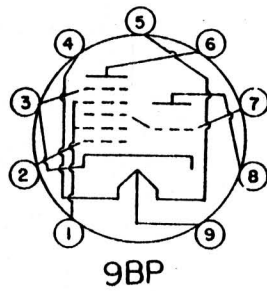
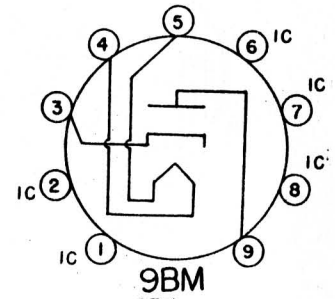
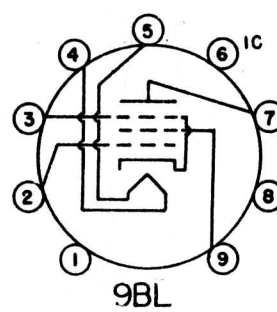
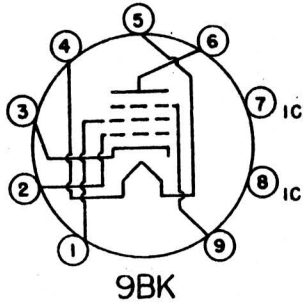
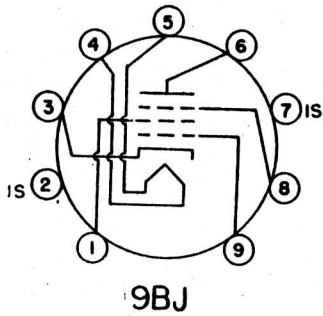
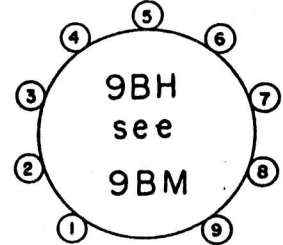
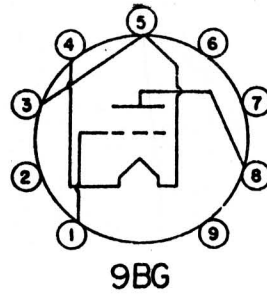
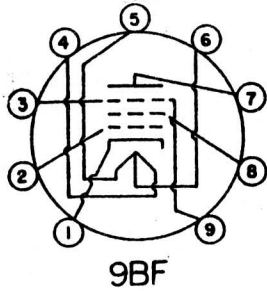
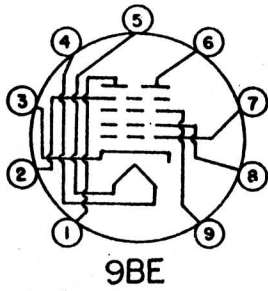
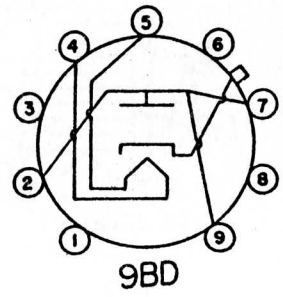
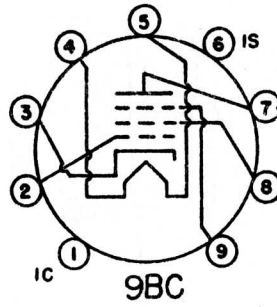
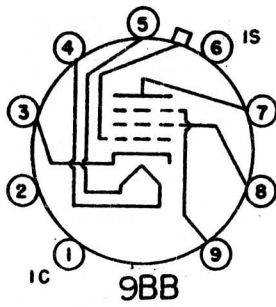
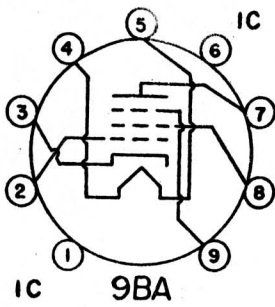
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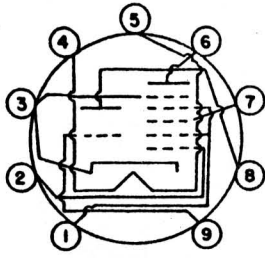


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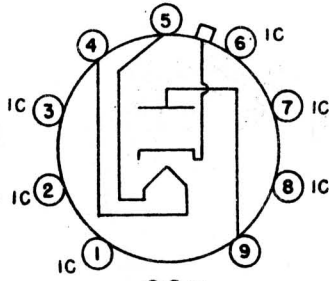


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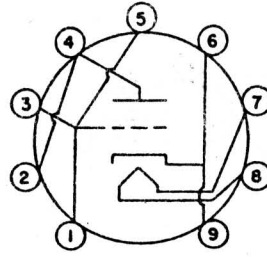




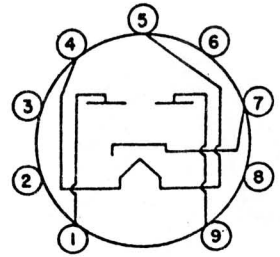
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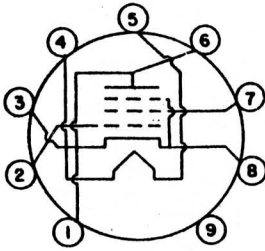
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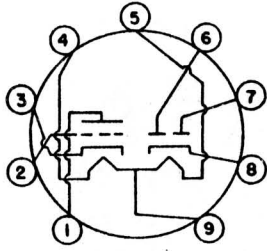
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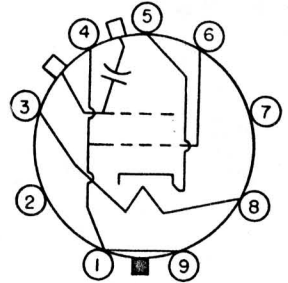
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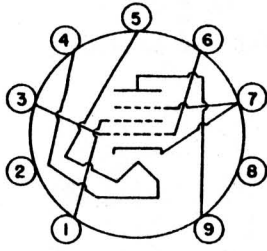
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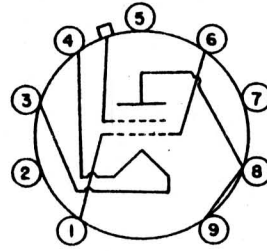
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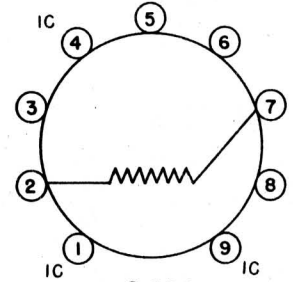
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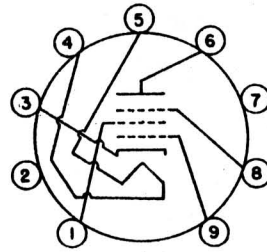
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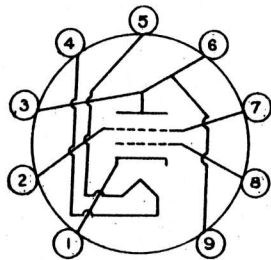
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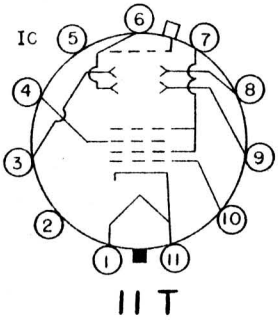
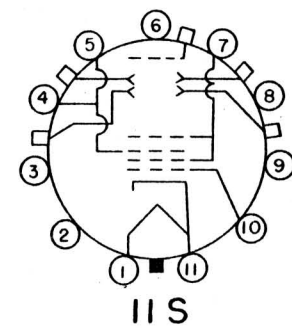
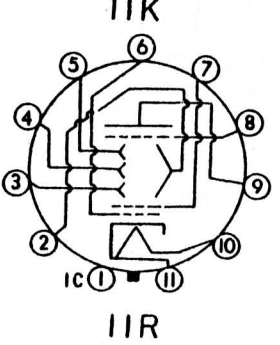
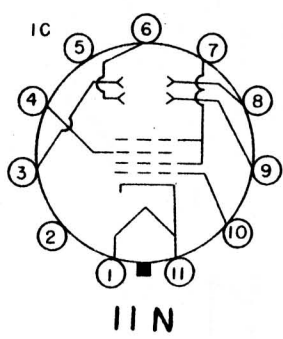
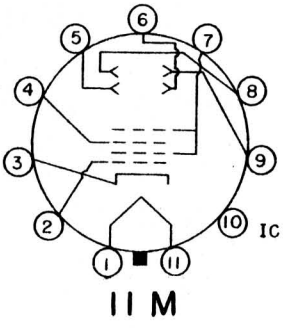
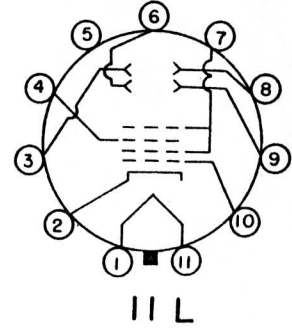
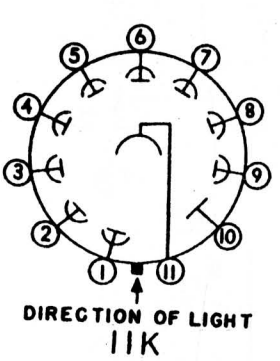
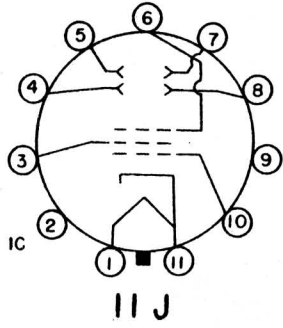
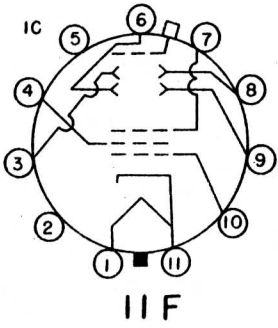
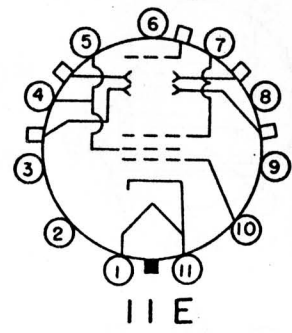
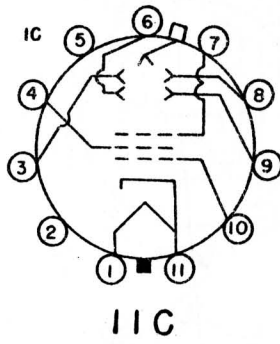
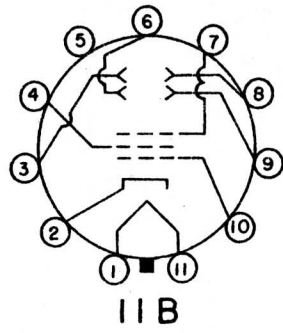
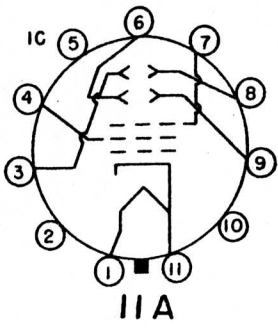
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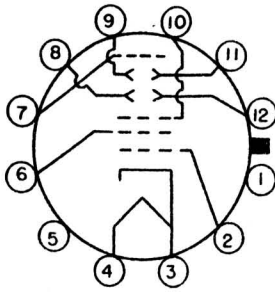


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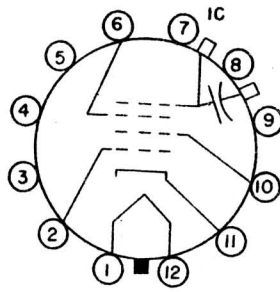


9CT

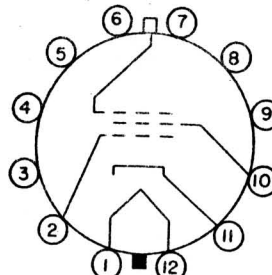




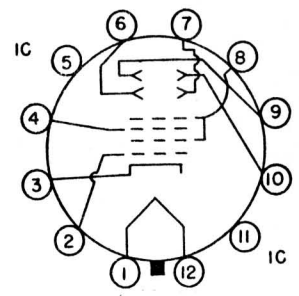
12 A



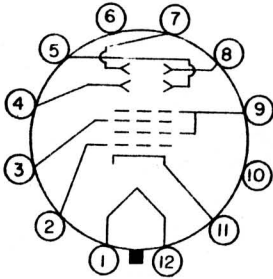
12 C



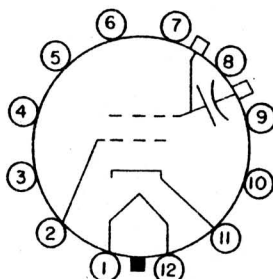
12 D



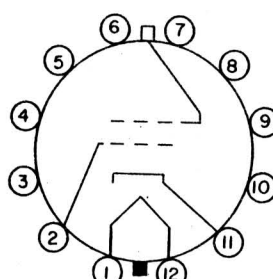
12 E



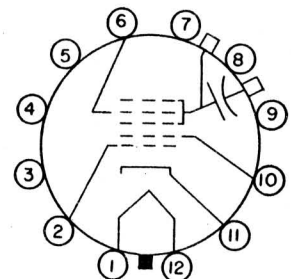
12 F



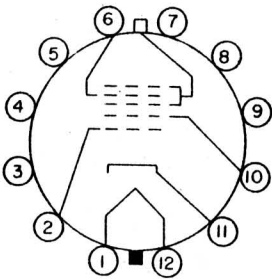
12 G



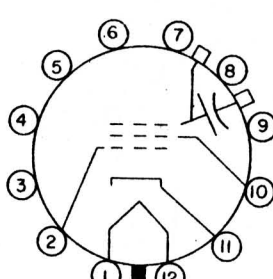
12 H



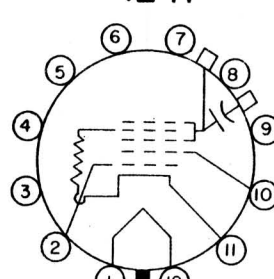
12 L



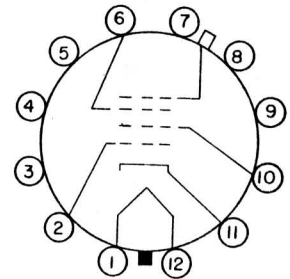
12 M



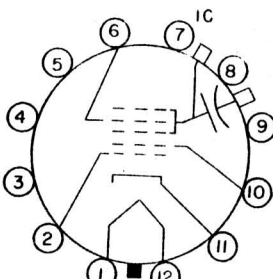
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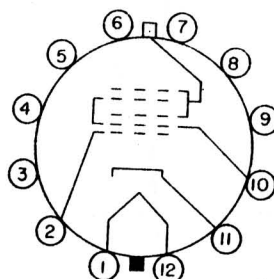
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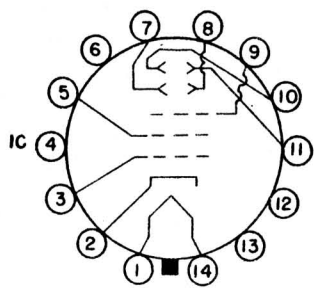
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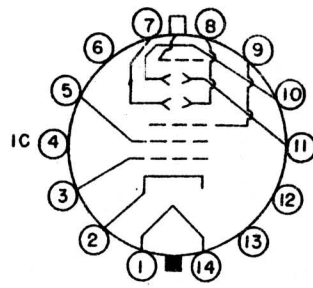
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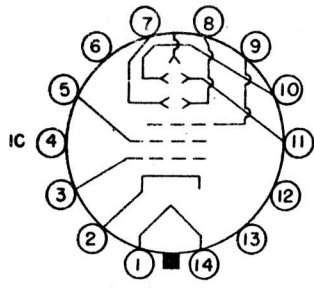
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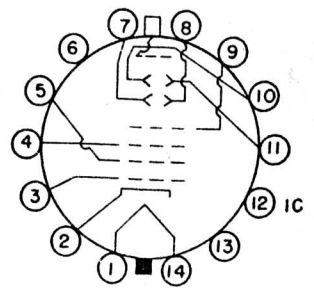
14 A



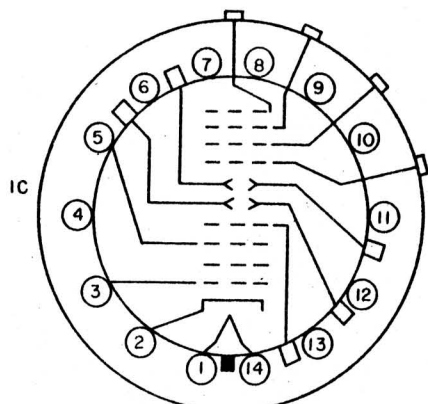
14 B



14 C

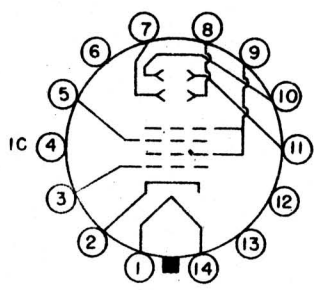


14 E

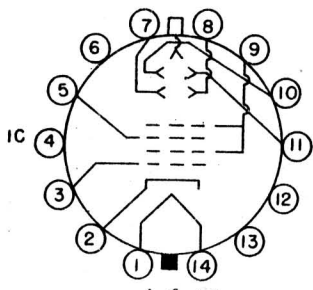


OUTER CONTACTS ON BULB BODY  
INNER CONTACTS ON NECK

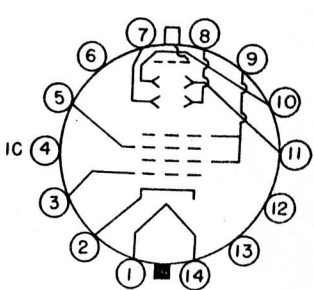
14 F



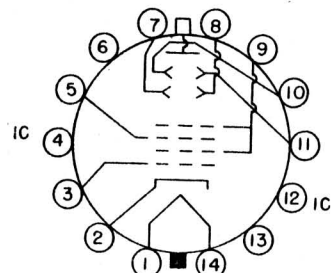
14 G



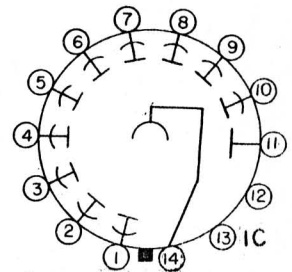
14 H



14 J

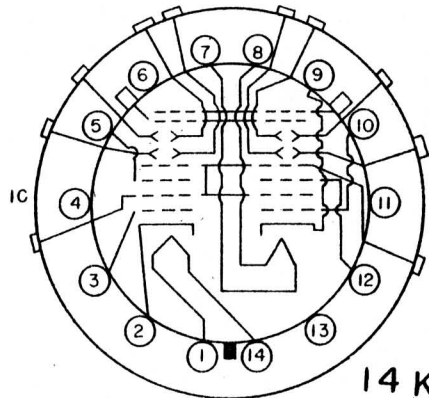


14 L



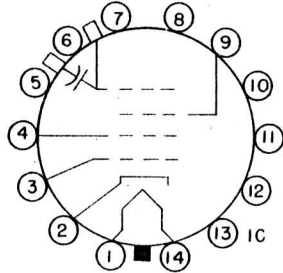
DIRECTION OF LIGHT INTO END OF BULB

14 M

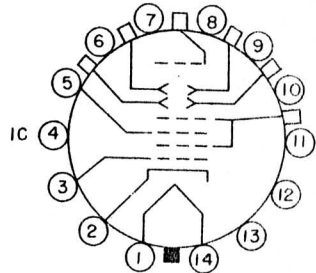


OUTER CONTACTS ON NECK  
INNER CONTACTS ON BULB BODY

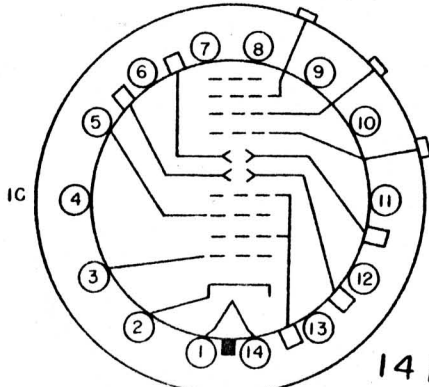
14 K



14 N

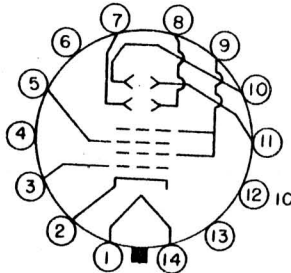


14 Q

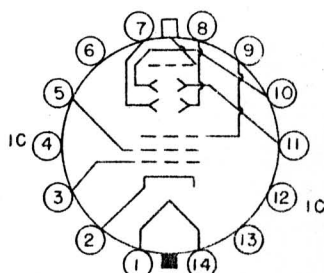


OUTER CONTACTS ON BULB BODY  
INNER CONTACTS ON NECK

14 P



14 R



14 S