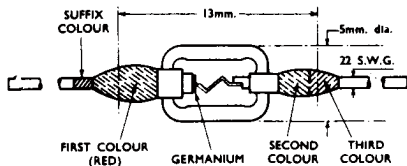


G.E.C.

VALVE PUBLICATIONS

GERMANIUM RECTIFIERS

Dimensions



Colour Code

In the colour coding system, red is an indication of the negative end of the rectifier. Thus, when compared with a thermionic diode the red end of the rectifier corresponds to the cathode.

The second and third colours give the type number according to the standard code used for resistors. Where a suffix is used, e.g. GEX45/1, this is indicated by a colouring of the wire at the red end. Diodes identified by a printed plastic sleeve have the negative end (cathode) coloured red.

CHANGE OF NAME

Electronic valves marketed by the G.E.C. under the trade mark **OSRAM** are now marketed under the trade mark **S&C**.

This change in name, effective from 2nd April 1956, was considered desirable because of the constant widening range of the Company's electronic devices, some of which have been sold under the trade mark OSRAM and some under G.E.C. Thus a necessary uniformity of trade-mark will be achieved.

No departure in general design from the familiar blue carton is contemplated other than the change in trade mark.

The new carton will be progressively introduced, therefore there will be a period of time before all types will be delivered with the G.E.C. trade mark.

G.E.C.

VALVES

and

TELEVISION

TUBES

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Manufacturers, Wholesale only

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Telephone: TEMple Bar 8000

Telegrams: 'Electricity, Westcent, London'

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Branches throughout Great Britain and in all the principal markets of the world

OV3490 (August 1956)

W.S.C.

Printed in England

REVISED PRICES 1st OCTOBER, 1956 CATHODE RAY TUBES

9 in. Type 6505A } £10 15s. 0d.
6506A }
P.T. extra £4 14s. 4d.

12 in. Type 7101A } £13 15s. 0d.
7102A }
P.T. extra £6 1s. 8d.

DATA AND PRICES



VALVE DATA AND PRICES

1-4V. MINIATURES

6-3V. A.C. MINIATURES

D.C./A.C. MINIATURES

Type	List price	Purchase Tax extra	Description	Filament or Heater		Amplification factor	Impedance ohms	Conductance mA/V	Anode voltage max.	Screen voltage max.	Base	Ref. in table
				volts	amperes							
N17/3S4	11 6	4 6	Output pentode	1.4	0.1	—	—	1.58	90	67.5	B7G	1
				2.8	0.05			1.43				
N18/3Q4	11 6	4 6	Output pentode	1.4	0.1	—	100,000	2.1	90	90	B7G	1
				2.8	0.05		120,000	2.0				
N19/3V4	11 6	4 6	Output pentode	1.4	0.1	—	100,000	2.1	90	90	B7G	2
				2.8	0.05		120,000	2.0				
W17/IT4	11 6	4 6	R.F. remote cut-off pentode	1.4	0.05	—	500,000	0.9	90	67.5	B7G	11
X17/IRS	13 0	5 1	Heptode frequency changer	1.4	0.05		—	0.25				
X18	13 0	5 1	Pentagrid frequency changer	1.4	0.05	—	—	0.25	90	67.5	B7G	14
ZD17/IS5	13 0	5 1	Diode pentode	1.4	0.05		600,000	0.63				
B309/12AT7	14 0	5 6	Double triode	6.3	0.3	55	10,000	5.5	300	—	B9A	5
				12.6	0.15							
B329/12AU7	14 0	5 6	Double triode	6.3	0.3	20	7,700	2.2	300	—	B9A	5
				12.6	0.15							
B339/12AX7	14 0	5 6	Double triode	6.3	0.3	100	62,500	1.6	300	—	B9A	5
				12.6	0.15							
B719/ECC85	15 0	5 11	R.F. double triode	6.3	0.435	57	9,700	5.9	300	—	B9A	18
D77/6AL5	9 0	3 7	Double diode	6.3	0.3							
DH77/6AT6	10 6	4 2	Double diode triode	6.3	0.3	70	58,000	1.2	250	—	B7G	3
DH719/EABC80	13 0	5 1	Triode diode triode	6.3	0.45							
EM80	13 0	5 1	Tuning indicator	6.3	0.3	17	7,700	2.2	300	—	B9A	19
L77/6C4	10 0	3 11	Triode	6.3	0.15							
N77	13 0	5 1	Output pentode	6.3	0.2	—	130,000	2.6	250	250	B7G	5
N78	13 0	5 1	Output pentode	6.3	0.64							
N709/EL84	11 6	4 6	Output pentode	6.3	0.76	—	38,000	11.3	300	300	B9A	11
N727/6AQ5	11 6	4 6	Output pentode	6.3	0.45							
W77/9D6	13 0	5 1	R.F. remote cut-off pentode	6.3	0.2	—	500,000	2.5	250	250	B7G	9
W719/EF85	14 0	5 6	R.F. vari-mu pentode	6.3	0.3							
W727/6BA6	11 6	4 6	R.F. remote cut-off pentode	6.3	0.3	—	1,500,000	4.4	300	125	B7G	15
WD709/EBF80	13 0	5 1	Double diode pentode	6.3	0.3							
X78	16 0	6 3	Triode hexode frequency changer	6.3	0.3	—	—	0.78	250	100	B7G	7
X79	16 0	6 3	Triode hexode frequency changer	6.3	0.3							
X719/ECH81	13 0	5 1	Triode heptode frequency changer	6.3	0.3	—	1,000,000	0.775	300	125	B9A	16
X727/6BE6	13 0	5 1	Heptode frequency changer	6.3	0.3							
Z77/EF91	17 6	6 10	R.F. sharp cut-off pentode	6.3	0.3	—	300,000	7.5	250	250	B7G	9
Z719/EF80	14 0	5 6	R.F. sharp cut-off pentode	6.3	0.3							
Z729/EF86	17 6	6 10	Screened low noise A.F. pentode	6.3	0.2	—	2,000,000	1.85	300	200	B9A	10
Z759	1 0 0	7 10	Video amplifier pentode	6.3	0.6							
B319/PCC84	15 0	5 11	R.F. double triode	7.0	0.3	24	4,000	6.0	250	—	B9A	14
DH107	10 6	4 2	Double diode triode	19	0.1							
HN309	18 6	7 3	Triode pentode	12.6	0.3	68	31,000	2.2	250	—	B9A	2
			triode section pentode section									
LN309/PCL83	18 6	7 3	Triode pentode	12.6	0.3	17	7,700	2.2	300	—	B9A	2
			triode section pentode section									
LZ319/PCF80	16 6	6 6	Triode pentode	9.0	0.3	20	4,000	5.0	250	—	B9A	13
			V.H.F. frequency changer									
N37	13 0	5 1	Output pentode	13	0.3	—	—	9.5	165	165	B7G	5
N108	11 6	4 6	Output pentode	40	0.1							
N309/PL83	15 6	6 1	Video output pentode	15	0.3	—	75,000	11.2	250	250	B9A	9
N329/PL82	11 6	4 6	Output pentode	16.5	0.3							
N339	15 6	6 1	Line time-base output pentode	20	0.3	—	30,000	8.5	300	200	B9A	3

A.C.; A.C./D.C. OCTALS

1.4V. OCTALS

2.0V. BATTERY

4.0V. INDIRECTLY HEATED

6-3V. A.C. B 8 G

D.C./A.C. 0-1A B 8 G

POWER OUTPUT

PFC82	16 6	6 6	Triode pentode V.H.F. frequency changer	9-5	0-3	42-5	5,000 400,000	8-5 5-2	300 300	— 300	B9A	13
PCC84	15 0	5 11	R.F. double triode	7-0	0-3	24	4,000	6-0	250	—	B9A	14
N359/PL81	15 6	6 1	Line output pentode	21-5	0-3	—	11,000	6-0	250	250	B9A	3
W107	11 6	4 6	R.F. remote cut-off pentode	12-6	0-1	—	500,000	2-5	250	250	B7G	9
X109	13 0	5 1	Triode hexode frequency changer	19	0-1	—	500,000	0-71	250	100	B9A	1
Z359	1 0 0	7 10	Video amplifier pentode	12-6	0-3	—	—	15	300	250	B9A	7
B36	18 6	7 3	Double triode	12-6	0-3	20	7,700	2-6	300	—	Octal	1
B65	18 6	7 3	Double triode	6-3	0-6	20	7,700	2-6	300	—	Octal	1
DH63	14 6	5 8	Double diode triode	6-3	0-3	70	58,000	1-2	250	—	Octal	5
EM34	13 0	5 1	Tuning indicator	6-3	0-2	—	—	—	275	—	Octal	22
H63	12 6	4 11	Triode	6-3	0-3	100	66,000	1-5	250	—	Octal	6
KT32	16 0	6 3	Output tetrode	26	0-3	—	—	9-0	135	135	Octal	9
KT33C	17 6	6 10	Output tetrode	13	0-6	—	—	—	—	—	Octal	8
KT36	17 6	6 10	Time-base output tetrode	25	0-3	—	—	10-0	200	200	Octal	8
KT55	1 5 0	9 9	Output tetrode	26	0-3	—	—	11-0	250*	200	Octal	2
KT61	14 6	5 8	Output tetrode	52	0-3	—	—	16-0	400	300	Octal	21
KT63	14 6	5 8	Output tetrode	6-3	0-95	—	—	10-5	275	275	Octal	9
KT66	17 6	6 10	Output tetrode	6-3	0-7	—	—	2-5	250	250	Octal	9
KTW63	17 6	6 10	Output tetrode	6-3	1-27	—	22,500	6-3	500	400	Octal	9
L63	15 0	5 11	R.F. remote cut-off tetrode	6-3	0-3	—	—	1-5	250	125	Octal	10
W61	15 0	5 11	R.F. remote cut-off pentode	6-3	0-3	—	600,000	2-9	250	100	Octal	3
X61M	17 6	6 10	Triode hexode frequency changer	6-3	0-3	—	—	0-62	250	100	Octal	23
X63	17 6	6 10	Heptode frequency changer	6-3	0-8	—	—	0-49	250	100	Octal	17
X65	17 6	6 10	Triode hexode frequency changer	6-3	0-3	—	—	0-225	250	100	Octal	24
Z63	15 0	5 11	R.F. sharp cut-off pentode	6-3	0-3	—	—	1-23	250	125	Octal	3
Z66	1 2 6	8 10	R.F. sharp cut-off pentode	6-3	0-63	—	—	8-5	250	250	Octal	3
*4 kV peak												
HD14	13 0	5 1	Diode triode	1-4	0-05	65	240,000	0-275	90	—	Octal	7
NI4	13 0	5 1	Output pentode	1-4	0-1	—	—	1-55	150	90	Octal	12
NI6	13 0	5 1	Output pentode	1-4	0-1	—	125,000	2-1	90	90	Octal	13
X14	16 6	6 6	Heptode frequency changer	2-8	0-05	—	—	1-9	90	45	Octal	16
Z14	13 0	5 1	R.F. sharp cut-off pentode	1-4	0-05	—	—	0-25	90	90	Octal	18
KT2	16 6	6 6	Output tetrode	2-0	0-2	—	—	2-5	150	150	5 pin	3
W21/4	16 6	6 6	R.F. remote cut-off pentode	2-0	0-1	—	—	1-4	150	150	4 pin	8
W21/7	16 6	6 6	R.F. remote cut-off pentode	2-0	0-1	—	—	1-4	150	150	7 pin	4
X22	18 6	7 3	Heptode frequency changer	2-0	0-15	—	—	0-35	150	70	7 pin	5
X24	1 10 0	11 9	Triode hexode frequency changer	2-0	0-2	—	—	0-25	150	60	7 pin	8
Z21	16 6	6 6	R.F. sharp cut-off pentode	2-0	0-1	—	—	1-7	150	150	4 pin	8
Z22	16 6	6 6	R.F. sharp cut-off pentode	2-0	0-1	—	—	1-7	150	150	7 pin	6
KT41	17 6	6 10	Output tetrode	4-0	2-0	—	—	10-5	250	250	7 pin	1
MH4	10 0	3 11	Triode	4-0	1-0	40	11,100	3-6	250	—	5 pin	4
MHD4	18 6	7 3	Double diode triode	4-0	1-0	40	18,200	2-2	250	—	7 pin	2
MKT4/5	17 6	6 10	Output tetrode	4-0	1-0	—	—	3-0	250	225	5 pin	4
MKT4/7	17 6	6 10	Output tetrode	4-0	1-0	—	—	3-0	250	225	7 pin	1
MS4B	17 6	6 10	R.F. sharp cut-off tetrode	4-0	1-0	—	—	3-2	250	80	5 pin	5
MX40	20 0	7 10	Heptode frequency changer	4-0	1-0	—	—	0-5	250	100	7 pin	7
X41	20 0	7 10	Triode hexode frequency changer	4-0	1-2	—	—	0-64	250	80	7 pin	3
DH81	17 6	6 10	Double diode triode	6-3	0-3	70	58,000	1-2	250	—	B8G	1
DL82	17 6	6 10	Double diode triode	6-3	0-3	24	17,000	1-4	250	—	B8G	1
KT81	17 6	6 10	Output tetrode	6-3	0-95	—	—	10-8	250	250	B8G	2
W81	18 6	7 3	R.F. remote cut-off pentode	6-3	0-3	—	—	2-8	250	100	B8G	6
X81	1 2 6	8 10	Triode hexode frequency changer	6-3	0-3	—	—	0-65	250	100	B8G	7
DH101	1 1 6	8 5	Double diode triode	19	0-1	70	58,000	1-2	250	—	B8G	1
KT101	1 5 0	9 9	Output tetrode	80	0-1	—	—	10-0	200	200	B8G	2
W101	1 2 6	8 10	R.F. remote cut-off pentode	19	0-1	—	—	2-8	250	100	B8G	6
X101	1 5 0	9 9	Triode hexode frequency changer	19	0-1	—	—	0-65	250	100	B8G	7
DA30	1 17 6	—	Triode, 30 watt dissipation	4-0	2-0	4	580	6-9	500	—	4 pin	1
DA41	4 4 0	—	Triode, 40 watt dissipation	7-5	2-5	62	17,500	3-6	1,000	—	Special	—
DA42	2 10 0	—	Triode, 40 watt dissipation	7-5	1-2	72	24,000	3-0	1,000	—	Special	—
DA100	8 0 0	—	Triode, 100 watt dissipation	6-0	2-7	5-5	1,410	3-9	1,250	—	4 pin	—
PX4	20 0	7 10	Triode, 15 watt dissipation	4-0	1-0	5	830	6-0	300	—	4 pin	1
PX25	1 15 0	13 8	Triode, 30 watt dissipation	4-0	2-0	9-5	1,265	7-5	500	—	4 pin	1

RECTIFIERS

Type	List price	Purchase Tax extra	Description	Filament or Heater		Anode voltage r.m.s. max.	Rectified current mA max.	Base	Ref. in table
				volts	amp.				
GU50	1 5 0	—	Half-wave mercury vapour, delayed switching	4.0	3.0	1,500	250	4 pin	2
MU14	12 6	4 11	Indirectly heated bi-phase half wave	4.0	2.5	500+500	120	4 pin	6
U14	12 6	4 11	Directly heated bi-phase half wave	4.0	2.5	500+500	120	4 pin	7
U18/20	15 0	5 11	Directly heated bi-phase half wave	4.0	3.0	500+500	250	4 pin	7
U19	1 10 0	—	Directly heated half wave	4.0	3.3	2,500	250	4 pin	2
U31	12 6	4 11	Indirectly heated half wave	26.0	0.3	250	120	Octal	14
U33	1 0 0	7 10	Directly heated half wave	2.0	0.15	6,300	3	4 pin	2
U37	1 0 0	7 10	Directly heated half wave	1.4	0.14	15,000†	2	Wire ends	—
U41	1 15 0	—	Directly heated half wave	1.25	0.2	35,000†	2	Octal	19
U43/EY51	13 6	5 4	Indirectly heated half wave	6.3	0.09	17,000†	3	Wire ends	—
U45	13 6	5 4	Indirectly heated half wave	6.3	0.12	{17,000 in air† 20,000 in oil†}	0.5	Wire ends	—
U50	12 6	4 11	Directly heated bi-phase half wave	5.0	2.0	350+350	120	Octal	15
U52	15 0	5 11	Directly heated bi-phase half wave	5.0	3.0	500+500	250	Octal	15
U54	15 0	5 11	Indirectly heated bi-phase half wave	5.0	2.8	500+500	250	Octal	20
U76	12 6	4 11	Indirectly heated half wave	30.0	0.16	250	100	Octal	14
U78/6X4	8 6	3 4	Indirectly heated bi-phase half wave	6.3	0.6	325+325	70	B7G	6
U81	16 6	6 6	Indirectly heated bi-phase half wave	6.3	1.6	500+500	150	B8G	3
U82	15 0	5 11	Indirectly heated bi-phase half wave	6.3	0.6	325+325	75	B8G	4
U84	15 0	5 11	Directly heated bi-phase half wave	4.0	1.0	250+250	75	B8G	5
U107	8 6	3 4	Indirectly heated half wave	40.0	0.1	250	90	B7G	8
U309/PY80	9 6	3 9	Indirectly heated booster diode	20.0	0.3	4,000†	170	B9A	4
U319/PY82	8 6	3 4	Indirectly heated half wave	20.0	0.3	250	170	B9A	4
U329	17 6	6 10	Indirectly heated booster diode	25.0	0.3	7,000†	120	B9A	6
U709/EZ81	8 6	3 4	Indirectly heated bi-phase half wave	6.3	0.95	350+350	150	B9A	8

† P.I.V. pulse or R.F. operation only

BARRETTERS

Type	List price	Purchase Tax extra	Description	Base	303	8s. 6d.	Description	Base
161	8 6	—	For control of 0.16 A mean, 100-180 V	Base	303	8s. 6d.	For control of 0.3A mean, 86-129 V	Base
202	8 6	—	For control of 0.2 A mean, 120-200 V	Edison Screw	304	8s. 6d.	For control of 0.3A mean, 95-165 V	Edison Screw
301	8 6	—	For control of 0.3 A mean, 138-221 V		305	8s. 6d.	For control of 0.3A mean, 40-90 V	
302	8 6	—	For control of 0.3 A mean, 112-195 V					

G.E.C. C.R.T.s.

Type	List price	Purchase Tax extra	Screen dimensions and colour	Heater		Anode voltage		Modulator cut-off voltage approx.	Base	Ref. in table
				volts	amp.	min.	max.			
6506A	9 15 0	4 5 7	Circ. 9 in. aluminised. White	6.3	0.3	5,000	7,000	—Va/250	Octal	4
6802A	15 15 0	6 18 3	Circ. 14 in. aluminised. White	6.3	0.3	7,000	8,000	—Va/150	Octal	4
6901A	16 15 0	7 7 0	Circ. 16 in. aluminised. White	6.3	0.3	10,800	14,000	—Va/200	B12A	1
7101A	12 15 0	5 11 11	Circ. 12 in. aluminised. White	6.3	0.3	6,000	8,000	—Va/210	Octal	4
7102A	12 15 0	5 11 11	Circ. 12 in. aluminised. White	6.3	0.3	7,000	10,000	—Va/210	Octal	4
7201A	12 15 0	5 11 11	Rect. 14 in. aluminised. White	6.3	0.3	10,800	14,000	—Va/200	B12A	1
7401A	14 15 0	6 9 6	Rect. 17 in. aluminised. White	6.3	0.3	11,000	16,000	—Va/200	B12A	1
7203A	12 15 0	5 11 11	Rect. 14 in. aluminised. White	6.3	0.3	10,000	14,000	—Va/200	B12A	1

GERMANIUM RECTIFIERS

Type	List price	Description (see overleaf for details of colour coding)	Forward current at +1V		Reverse current at -1V		Turnover voltage	Max. forward current
			+1V	+1V	-1V	-50V		
GEX35	4 0	Low level video and general purpose rectifier	—	—	—	—	>30	30mA
GEX34	4 0	High level television sound and vision detector and sound noise limiter	>1mA	—	<50µA	<1mA	>60	30mA
GEX45/1	8 6	General purpose medium impedance rectifier	>4mA	—	—	<1mA	>75	30mA
GEX55/1	15 0	General purpose high impedance rectifier	>1mA	—	—	<200µA	>75	30mA
GEX54	9 0	High impedance rectifier	>3mA	—	<10µA	<0.1mA	>100	30mA
GEX54/3	1 5 0	100 V rectifier	>3mA	—	<6µA @ -3 V <625µA @ -100 V	—	>120	30mA
GEX64	18 0	Very low impedance mixer, telephony modulator or meter rectifier	At 5mA forward current voltage across rectifier is less than 0.3V					
GEX66	18 0	For mixer use up to 1,000 Mc/s.	>5mA at +0.5V	<50µA @ -1V				

Prices apply in Great Britain and Northern Ireland only



VALVES

British 4- & 5-pin

REF.	PIN NUMBER					TOP CAP
	1	2	3	4	5	
1	a	g	f	f	NP	
2	NC	NC	f	f	NP	a
3	a	g ₁	f	f	g ₂	
4	a	g	h	h	kM	
5	g ₂	g ₁	h	h	kM	a
6	a''	a'	hk	h	NP	
7	a''	a'	f	f	NP	
8	g ₂	g ₁	f _g M	f	NP	a

British 7-pin

REF.	PIN NUMBER							TOP CAP
	1	2	3	4	5	6	7	
1	NC	g ₁	g ₂	h	h	k	a	
2	a''	M	a'	h	h	k	a	g
3	a _c	g _t g _s	g ₁ g ₂	h	h	k	a	g ₁
4	M	g ₁	NC	f g ₂	f	NC	g ₂	a
5	g ₂	g ₁	g ₂ g ₁	f	f	M	a	g ₁
6	M	g ₁	g ₂	f	f	NC	g ₂	a
7	g ₂	g ₁	g ₂ g ₁	h	h	kM	a	g ₁
8	a _c	g _t g _s	g ₁ g ₂	f	f	M	a	g ₁

PIN CONNECTION TABLES

Octal

REF.	PIN NUMBER								TOP CAP
	1	2	3	4	5	6	7	8	
1	g''	a''	k''	g'	a'	k'	h	h	
2	NC	h	NC	g ₂	g ₁	NP	h	k	a
3	M	h	a	g ₂	g ₁	NP	h	k	g ₁
4	IC	h	IC	IC	g'	IC	h	k	a
5	M	h	a	a''	a'	NP	h	k	g
6	NC	h	NP	a	NP	NP	h	k	g
7	M	f+	a	NC	a'	NP	f-	NC	g
8	h _{cap}	h	a	g ₂	g ₁	NP	h	k	
9	NC	h	a	g ₂	g ₁	NP	h	k	
10	NC	h	a	g ₂	NC	NP	h	k	g ₁
11	NC	h	a	NP	g	NP	h	k	
12	M	f+	a	g ₂	g ₁	NP	f-g ₂	NC	
13	NC	f+	a	g ₂	g ₁	NC	f-g ₂	f _{cap}	
14	NC	h	NP	NP	a	NP	h	k	
15	NC	f	NP	a''	NP	a'	NP	f	
16	M	f+	a	g ₂ g ₁	g ₁	g ₂	f-	NC	g ₁
17	NC	h	a	g ₂ g ₁	g ₁	g ₂	h	k	g ₁
18	M	f+	a	g ₂	NC	NP	f-	NC	g ₁
19	IC	f	IC	NP	IC	NP	f	IC	a
20	NC	h	NP	a''	NP	a'	NP	hk	
21	IC	h	a	g ₂	g ₁	NP	h	kg ₂	
22	NC	h	a ₁	g	t	a ₂	h	kg'	
23	M	h	a	g ₂ g ₁	g ₂ g ₁	a _c	h	k	g ₁
24	NC	h	a	g ₂ g ₁	g ₂ g ₁	a _c	h	k	g ₁

B7G

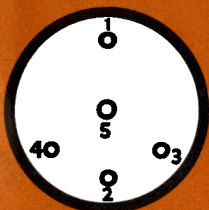
REF.	PIN NUMBER						
	1	2	3	4	5	6	7
1	f-	a	g ₁	g ₂	f _{cap}	a	f+
2	f-	a	g ₂	IC	g ₁ f _{cap}	g ₁	f+
3	g	k	h	h	a'	a''	a
4	a	IC	h	h	a	g	k
5	g ₁	kg ₂	h	h	a	IC	g ₂
6	a''	NC	h	h	NC	a'	k
7	g ₂	g ₁	hk	h	a	a _c	g _t
8	h	a	k	NC	NC	a	h
9	g ₁	k	h	h	a	g ₂	g ₂
10	k''	a'	h	h	k'	a	a''
11	f-g ₂	a	g ₂	NC	f-g ₂	g ₁	f+
12	f-g ₂	a	g ₂ g ₁	g ₁	f-g ₂	g ₂	f+
13	f-g ₂	NC	a'	g ₂	a	g ₁	f+
14	f-g ₂	a	g ₂	g ₁	g ₁	g ₂	f+
15	g ₁	g ₂	h	h	a	g ₂	k
16	g ₂	kg ₂	h	h	a	g ₂	g ₁
17	g ₁	kg ₂	h	h	a	g ₂ g ₁	g ₂

B12A

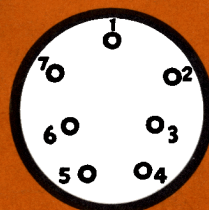
REF.	PIN NUMBER											
	1	2	3	4	5	6	7	8	9	10	11	12
1	h	g	NP	NP	NP	NC	NC	NP	NP	NC	k	h

B8G

REF.	PIN NUMBER							
	1	2	3	4	5	6	7	8
1	h	a	g ₁	IC	a''	a'	k	h
2	h	a	g ₂	NC	IC	g ₁	k	h
3	IC	IC	a''	IC	IC	a'	hk	h
4	h	IC	a''	IC	IC	a'	k	h
5	IC	IC	a''	IC	IC	a'	f	f
6	h	a	g ₂	g ₂	s	g ₁	k	h
7	h	a	a _c	g ₂ g ₁	g ₂ g ₁	g ₁	k	h



British 4- and 5-pin



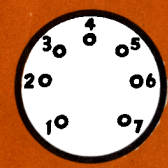
British 7-pin



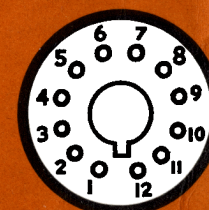
OCTAL ... or B8G



B9A



B7G



B12A (Duo Decal)

