TERMINAL ARRANGEMENTS

LS

This terminal arrangement listing is a ready reference for all units in the Linear Standard, Hipermalloy, Ultra Compact, Ouncer, and Plug In lines of UTC transformer components.

To use this reference, look up the type number of the unit in the first column. The number in the corresponding second column, when looked up on the following pages, will indicate the primary terminal connections. The number in the third column, when found in the following pages, will indicate the secondary terminal connections. The letter in the fourth column is indicated on page four above a schematic diagram, showing the actual winding-terminal arrangement.

Where no type number or no pri. and sec. numbers are shown, the transformer terminal board markings are self explanatory. Transformer terminals marked ⏚ are grounded to case.

TYPE	PRI.	SEC.	SCHEM.
A-10	6	31	F
A-11	9	32	AA
A-12	6	31	F
A-14	5	31	J
A-16	—	—	I
A-17	—	—	I
A-18	—	—	H
A-19	—	—	P
A-20	6	7	L
A-21	10	11	Y
A-24	28	6	K
A-25	—	6	AB
A-26	33	6	K
A-27	28	6	K
A-30	43	—	—
A-32	43		
HA-100	6	31	F
HA-100X	6	31	F
HA-101	6	31	F
HA-101X	6	31	F
HA-103A	3	31	F
HA-104	—	—	H
HA-105	—	—	I
HA-106	—	—	H
HA-107	—	—	B
HA-108	6	7	L
HA-108X	6	7	L
HA-111	28	6	K
HA-113	28	6	K
HA-114	33	6	K
HA-130X	12	31	G
HA-133	28	6	K
HA-134	24	7	L
HA-135	—	1	R
HA-137	—	—	B
HC-115	43	—	—
HC-116	43	—	—
HC-117	43	—	—
HP-122	40	40	—
HP-123	41	41	—
LS-5	6	—	A
LS-6	—	—	B
LS-6L1	—	1, 7	C
LS-6L3	—	1	D
LS-6L4	—	1, 7	E
LS-7	—	—	B
LS-10	6	31	F
LS-10X	6	31	F
LS-12	6	31	F
LS-12X	6	31	F
LS-14	3	31	F
LS-14X	3	31	F
LS-15	12	31	G
LS-15X	12	31	G
LS-18	6	—	A
LS-19	—	—	H
LS-20	—	—	I
LS-21	—	—	H
LS-22	—	—	B
LS-25	—	—	B
LS-26	26	31	J
LS-27	28	6	K
LS-30	6	7	L
LS-30X	6	7	L
LS-31	12	7	M
LS-31X	12	7	M
LS-32	3	7	L
LS-33	6	1, 7	N

TYPE	PRI.	SEC.	SCHEM.
LS-34	6	1, 7	N
LS-38	25	6	O
LS-39	28	6	K
LS-40	—	—	P
LS-47	—	—	B
LS-48	—	—	B
LS-49	—	—	Q
LS-50	28	6	K
LS-51	33	6	K
LS-52	—	1, 7	C
LS-54	—	1	D
LS-55	—	1, 7	E
LS-56	—	22, 1	E
LS-57	—	1	R
LS-58	—	1, 7	E
LS-60A	—	2	D
LS-61	—	1, 7	E
LS-62A	—	13	S
LS-63	—	1	R
LS-66	—	23	T
LS-67	—	21	U
LS-74	44	44	—
LS-80	35	—	—
LS-82	35	—	—
LS-83	35	—	—
LS-84	35	—	—
LS-88	36	—	—
LS-89A	35	—	—
LS-90	42	—	—
LS-91	42	—	—
LS-92	42	—	—
LS-93	42	—	—
LS-94	43	—	—
LS-96	42	—	—
LS-99	42	—	—
LS-120	35	—	—
LS-121Y	35	—	—
LS-140	19	20	V
LS-141	8	8	W
LS-142	14	—	X
LS-143	17	18	Y
LS-150	25	6	Z
LS-151	25	6	Z
LS-180	37	37	—
LS-180H	37	37	—
LS-181	35	—	—
LS-182	35	—	—
LS-183	35	—	—
LS-184	35	—	—
LS-185	35	—	—
LS-190	38	38	—
LS-192	39	39	—
LS-950	42	—	—
LS-980	42	—	—
O-1	9	29	AC
O-2	9	32	AA
O-3	4	29	AD
O-4	26	30	AE
O-5	26	30	AE
O-6	26	32	AF
O-7	26	32	AF
O-8	27	9	AH
O-9	27	9	AG
O-10	34	9	AG
O-11	27	9	AH
O-12	16	9	AG
O-14	15	30	AE
O-15	26	30	AE

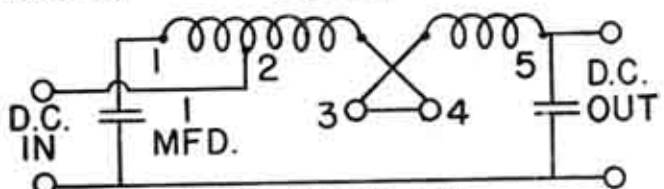
P-1 through P-15 same as O-1, etc.

Impedance	Connect To	Join
	1	
1.2 ohms	13 and 18	14 & 18, 13 & 17
2.5	14 and 17	14 & 15, 16 & 17
5	13 and 18	14 and 17
7.5	13 and 18	16 & 18, 13 & 15
10	14 and 17	15 and 16
15	13 and 18	16 and 17
20	14 and 18	15 and 16
30	13 and 18	15 and 16
	2	
1.2 ohms	14 and 17	14 & 15, 16 & 17
2.5	13 and 18	14 and 17
3.75	13 and 18	16 & 18, 13 & 15
5	14 and 17	15 and 16
7.5	13 and 18	16 and 17
10	14 and 18	15 and 16
15	13 and 18	15 and 16
	3	
2.5 ohms	1 and 2	1 & 5, 2 & 6
5.5	2 and 4	2 & 3, 4 & 5
10	2 and 5	1 and 6
15	1 and 4	1 & 3, 4 & 6
22	2 and 5	3 and 4
30	4 and 5	1 and 6
38	2 and 6	3 and 4
60	1 and 6	3 and 4
	4	
7.5 ohms	2 and 4	3 & 4, 1 & 2
30	1 and 4	2 and 3
	5	
30 ohms	1 and 2	
	6	
50 ohms	2 and 4	2 & 3, 4 & 5
125 (or 150)	1 and 4	1 & 3, 4 & 6
200 (or 250)	2 and 5	3 and 4
333	1 and 5	3 and 4
500 (or 600)	1 and 6	3 and 4
	7	
50 ohms	8 and 10	8 & 9, 10 & 11
125 (or 150)	7 and 10	7 & 9, 10 & 12
200 (or 250)	8 and 11	9 and 10
333	7 and 11	9 and 10
500 (or 600)	7 and 12	9 and 10
	8	
500 ohms	1 and 3	2-C.T.
500	4 and 6	5-C.T.
500	7 and 9	8-C.T.
	9	
50 ohms	3 and 4	
200	2 and 4	3-C.T.
500	1 and 5	3-C.T.
	10	
50 ohms	2 and 3	
250	1 and 2	
500	1 and 3	

Impedance	Connect To	Join
	11	
50 ohms	5 and 6	
200	4 and 5	
500	4 and 6	
	12	
Three separate primaries each marked 1, 2, 3, 4.		
30-50 ohms	1 and 4	1 & 2, 3 & 4
150-200-250	1 and 4	2 and 3
	13	
125 ohms	1 and 3	1 & 2, 3 & 4
500	1 and 4	2 and 3
	14	
500 ohms	1 and 3	2-C.T.
500	4 and 6	5-C.T.
	15	
200 ohms	1 and 2	
	16	
50 ohms	6 and 7	
200	6 and 8	7-C.T.
	17	
500 ohms	1 and 3	2-C.T.
	18	
500 ohms	4 and 6	5-C.T.
	19	
500/600 ohm	1 and 4	2 and 3
	20	
500/600 ohm	5 and 8	6 and 7
	21	
2500 ohms	1 and 4	1 & 3, 2 & 4
10,000	1 and 4	2 and 3
	22	
1000 ohms	8 and 11	8 & 9, 10 & 11
1500	7 and 12	7 & 9, 10 & 12
1800	7 and 12	8 and 9
4000	8 and 11	9 and 10
5000	8 and 12	9 and 10
6000	7 and 12	9 and 10
	23	
600 ohms	2 and 3	2 & 6, 3 & 7
1250	1 and 4	1 & 5, 4 & 8
2100	2 and 7	3 and 6
2500	2 and 7	3 and 5
2650	2 and 8	3 and 6
3300	1 and 8	3 and 6
3500	2 and 7	4 and 5
4100	1 and 8	4 and 6
4200	2 and 8	4 and 5
5000	1 and 8	4 and 5

Impedance	Connect To	Join
	24	
5000 ohms	2 and 5	3 and 4
9400	1 and 6	3 and 4
	25	
Primary	7 and 8	
	26	
Primary No. 1 to Plate	1 and 2	
	27	
Primary No. 7 to Plate	7 and 6	
	28	
Primary No. 7 to Plate	7 and 10	8 and 9
	29	
Secondary No. 7 to grid	6 and 7	
	30	
Secondary No. 4 to grid	3 and 4	
	31	
Single grid	7 to grid 10-return	8 and 9
Two grids	7 and 10 to grids	8 & 9-C.T.
	32	
Two grids	6 and 8	7-C.T.
	33	
Two plates	7 and 10	8 & 9-C.T.
	34	
Two plates	6 and 8	7-C.T.
	35	
100 V.	1 and 2	1 & 5, 2 & 6
110	1 and 3	1 & 5, 3 & 7
120	1 and 4	1 & 5, 4 & 8
200	1 and 6	2 and 5
210	1 and 6	3 and 5
220	1 and 6	4 and 5
230	1 and 7	4 and 5
240	1 and 8	4 and 5
	36	
105 V.	1 and 2	
115	1 and 3	
125	1 and 4	
	37	
Pri.	1 and 2	
H.V.	3 and 5	4-C.T.
6.3V, .6A.	6 and 8	7-C.T.
6.3V, 2A.	9 and 11	10-C.T.

Impedance	Connect To	Join
	38	
100 V.	1 and 2	
105	1 and 3	
110	1 and 4	
115	1 and 5	
120	1 and 6	
125	1 and 7	
700 } —HV	8 and 12	10-C.T.
600 } —HV	9 and 11	10-C.T.
6.3	13 and 15	14-C.T.
5	19 and 21	20-C.T.
2.5	16 and 18	17-C.T.
	39	
105 V.	1 and 2	
115	1 and 3	
125	1 and 4	
670 } —HV	5 and 9	7-C.T.
120 } —HV	6 and 8	7-C.T.
5	10 and 11	
6.3V, .75A.	12 and 14	13-C.T.
6.3V, 5.25A.	15 and 17	16-C.T.
	40	
Pri.	1 and 2	
H.V.	3 and 5	4-C.T.
6.3V, 1.2A.	6 and 8	7-C.T.
6.3V, .5A.	9 and 11	10-C.T.
	41	
Pri.	1 and 2	
H.V.	3 and 5	4-C.T.
6.3V, 2A.	6 and 8	7-C.T.
6.3V, .6A.	9 and 11	10-C.T.
	42	
Parallel	1 and 5	1 & 3, 4 & 5
Series	1 and 5	3 and 4
Hum-Bucking	Circuit below	



HUM BUCKING CONNECTION

	43	
Parallel	1 and 4	1 & 2, 3 & 4
Series	1 and 4	2 and 3
	44	
115 V. Pri.	1 and 2	
415 }	3 and 7	5-C.T.
415 }		
395 }	4 and 6	5-C.T.
395 }		
6.3V, 5A	8 and 10	9-C.T.
5V, 6A	11 and 12	

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