

Remarks

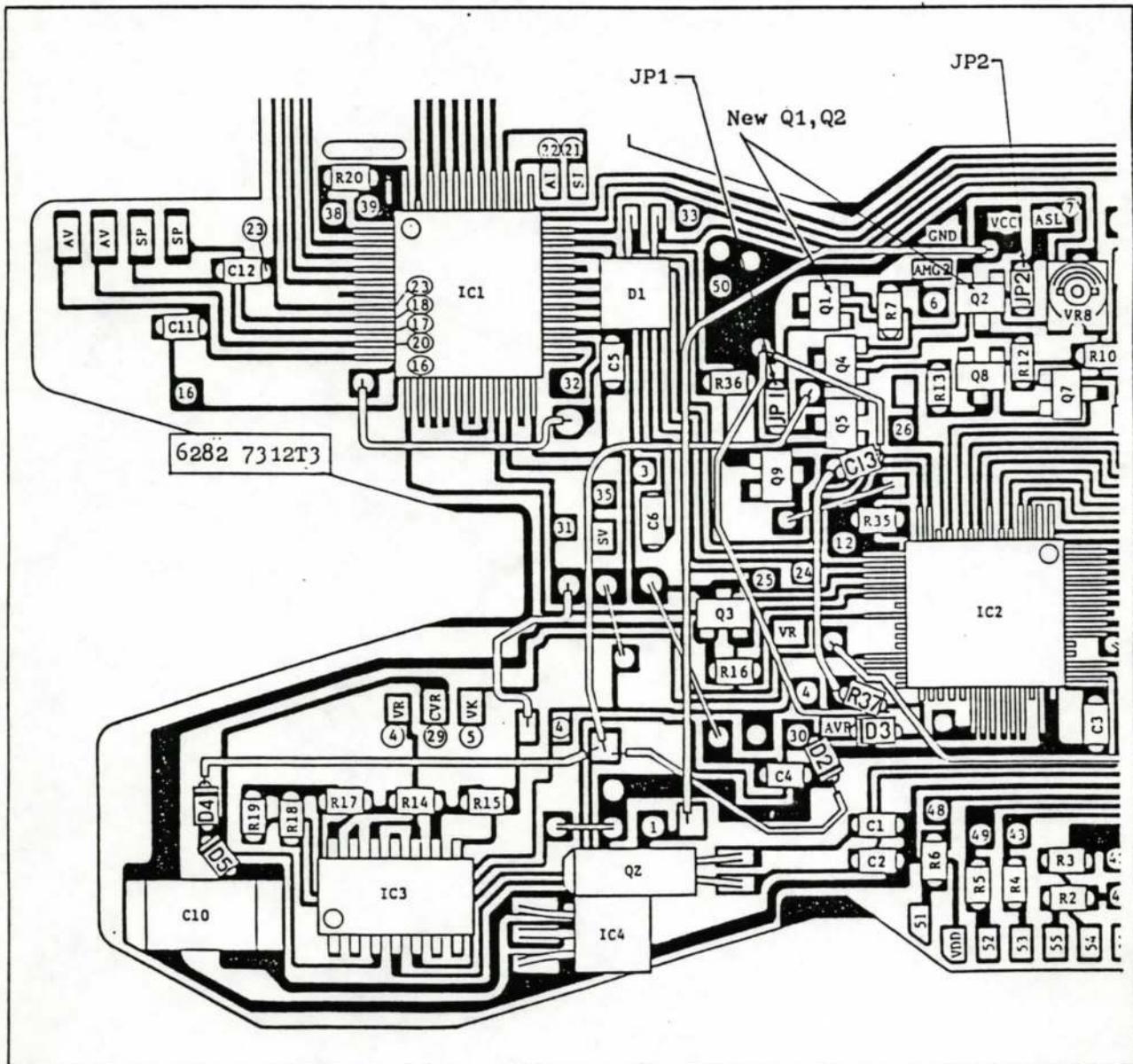
Phenomenon : When attaching or removing the AE finder, Mirror is stays at upper position.

Modification : 1) Type of Q1 and Q2 transistors : Changed.

2) Remove the R8 and R11 resistor and replace with JP1,JP2 Jumper tip.

P/NO. 6282 7312T3 F.P.C Board.

Modification Date : Since 1987 October Production.



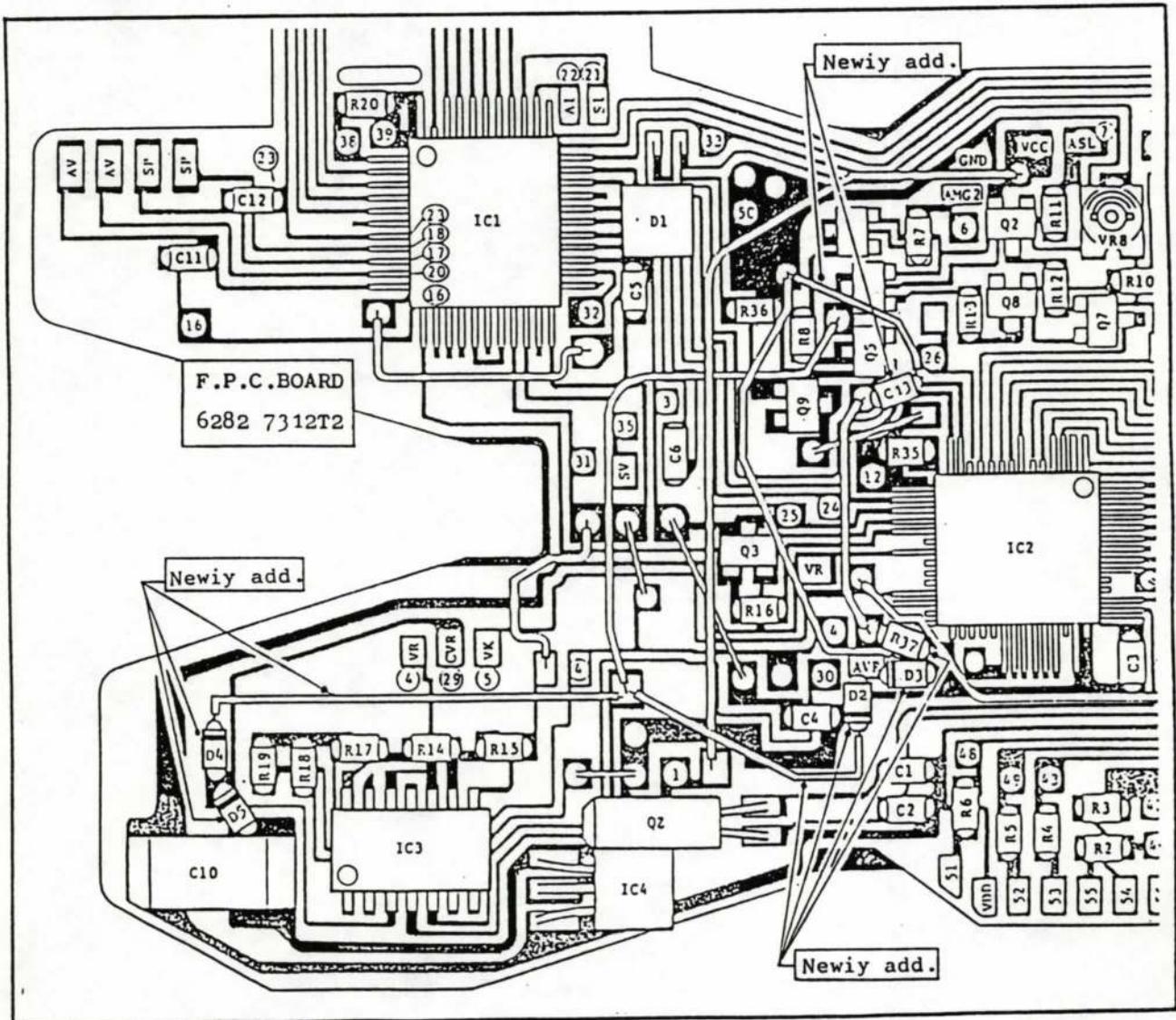
Phenomenon : LED Display is illuminated at " OVER ".

Cause : IC 3 - Defective by static electricity.

Modification : Additional diode (D2~D5), resistor (R37) and capacitor (C13).

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|---------------------|------------------|
| : P/NO. 6282 7312T2 | F.P.C.Board. |
| 6282 73141 | Diode (D2~D5). |
| 6282 73151 | Resistor (R37). |
| 6282 73161 | Capacitor (C13). |
| 6282 73131 | IC 3. |

Modification Date : Since 1987 June Production.



M645 SUPER

4 AE PRISM FINDER

5 OTHERS

3 WIRING DIAGRAM

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Location	Part	Value	Location	Part	Value	Location	Part	Value	Location	Part	Value
IC 1	74ALS162		C 3	0.1uF	50V	VR 6	10KΩ	3	contact	R 8	20KΩ
IC 2	74ALS162		C 4	0.1uF	50V	VR 7	10KΩ	3	contact	R 9	47KΩ
IC 3	74ALS162		C 5	0.1uF	50V	VR 8	10KΩ	3	contact	R 10	47KΩ
IC 4	74ALS162		C 6	0.1uF	50V	VR 9	10KΩ	3	contact	R 11	47KΩ
Q 1	2N4119		C 7	1000PF	50V	VR 10	10KΩ	3	contact	R 12	47KΩ
Q 2	2N4119		C 8	0.47uF	6.3V	VR 11	10KΩ	3	contact	R 13	47KΩ
Q 3	2N4119		C 9	0.47uF	6.3V	VR 12	10KΩ	3	contact	R 14	47KΩ
Q 4	2N4119		C 10	33uF	6.3V	VR 13	10KΩ	3	contact	R 15	47KΩ
Q 5	2N4119		C 11	33uF	6.3V	VR 14	10KΩ	3	contact	R 16	47KΩ
Q 6	2N4119		C 12	33uF	6.3V	VR 15	10KΩ	3	contact	R 17	47KΩ
Q 7	2N4119		C 13	33uF	6.3V	VR 16	10KΩ	3	contact	R 18	47KΩ
Q 8	2N4119		C 14	33uF	6.3V	VR 17	10KΩ	3	contact	R 19	47KΩ
Q 9	2N4119		C 15	33uF	6.3V	VR 18	10KΩ	3	contact	R 20	47KΩ
Q 10	2N4119		C 16	33uF	6.3V	VR 19	10KΩ	3	contact	R 21	47KΩ
Q 11	2N4119		C 17	33uF	6.3V	VR 20	10KΩ	3	contact	R 22	47KΩ
Q 12	2N4119		C 18	33uF	6.3V	VR 21	10KΩ	3	contact	R 23	47KΩ
Q 13	2N4119		C 19	33uF	6.3V	VR 22	10KΩ	3	contact	R 24	47KΩ
Q 14	2N4119		C 20	33uF	6.3V	VR 23	10KΩ	3	contact	R 25	47KΩ
Q 15	2N4119		C 21	33uF	6.3V	VR 24	10KΩ	3	contact	R 26	47KΩ
Q 16	2N4119		C 22	33uF	6.3V	VR 25	10KΩ	3	contact	R 27	47KΩ
Q 17	2N4119		C 23	33uF	6.3V	VR 26	10KΩ	3	contact	R 28	47KΩ
Q 18	2N4119		C 24	33uF	6.3V	VR 27	10KΩ	3	contact	R 29	47KΩ
Q 19	2N4119		C 25	33uF	6.3V	VR 28	10KΩ	3	contact	R 30	47KΩ
Q 20	2N4119		C 26	33uF	6.3V	VR 29	10KΩ	3	contact	R 31	47KΩ
Q 21	2N4119		C 27	33uF	6.3V	VR 30	10KΩ	3	contact	R 32	47KΩ
Q 22	2N4119		C 28	33uF	6.3V	VR 31	10KΩ	3	contact	R 33	47KΩ
Q 23	2N4119		C 29	33uF	6.3V	VR 32	10KΩ	3	contact	R 34	47KΩ
Q 24	2N4119		C 30	33uF	6.3V	VR 33	10KΩ	3	contact	R 35	47KΩ
Q 25	2N4119		C 31	33uF	6.3V	VR 34	10KΩ	3	contact	R 36	47KΩ
Q 26	2N4119		C 32	33uF	6.3V	VR 35	10KΩ	3	contact	R 37	47KΩ
Q 27	2N4119		C 33	33uF	6.3V	VR 36	10KΩ	3	contact	R 38	47KΩ
Q 28	2N4119		C 34	33uF	6.3V	VR 37	10KΩ	3	contact	R 39	47KΩ
Q 29	2N4119		C 35	33uF	6.3V	VR 38	10KΩ	3	contact	R 40	47KΩ
Q 30	2N4119		C 36	33uF	6.3V	VR 39	10KΩ	3	contact	R 41	47KΩ
Q 31	2N4119		C 37	33uF	6.3V	VR 40	10KΩ	3	contact	R 42	47KΩ
Q 32	2N4119		C 38	33uF	6.3V	VR 41	10KΩ	3	contact	R 43	47KΩ
Q 33	2N4119		C 39	33uF	6.3V	VR 42	10KΩ	3	contact	R 44	47KΩ
Q 34	2N4119		C 40	33uF	6.3V	VR 43	10KΩ	3	contact	R 45	47KΩ
Q 35	2N4119		C 41	33uF	6.3V	VR 44	10KΩ	3	contact	R 46	47KΩ
Q 36	2N4119		C 42	33uF	6.3V	VR 45	10KΩ	3	contact	R 47	47KΩ
Q 37	2N4119		C 43	33uF	6.3V	VR 46	10KΩ	3	contact	R 48	47KΩ
Q 38	2N4119		C 44	33uF	6.3V	VR 47	10KΩ	3	contact	R 49	47KΩ
Q 39	2N4119		C 45	33uF	6.3V	VR 48	10KΩ	3	contact	R 50	47KΩ
Q 40	2N4119		C 46	33uF	6.3V	VR 49	10KΩ	3	contact	R 51	47KΩ
Q 41	2N4119		C 47	33uF	6.3V	VR 50	10KΩ	3	contact	R 52	47KΩ
Q 42	2N4119		C 48	33uF	6.3V	VR 51	10KΩ	3	contact	R 53	47KΩ
Q 43	2N4119		C 49	33uF	6.3V	VR 52	10KΩ	3	contact	R 54	47KΩ
Q 44	2N4119		C 50	33uF	6.3V	VR 53	10KΩ	3	contact	R 55	47KΩ
Q 45	2N4119		C 51	33uF	6.3V	VR 54	10KΩ	3	contact	R 56	47KΩ
Q 46	2N4119		C 52	33uF	6.3V	VR 55	10KΩ	3	contact	R 57	47KΩ
Q 47	2N4119		C 53	33uF	6.3V	VR 56	10KΩ	3	contact	R 58	47KΩ
Q 48	2N4119		C 54	33uF	6.3V	VR 57	10KΩ	3	contact	R 59	47KΩ
Q 49	2N4119		C 55	33uF	6.3V	VR 58	10KΩ	3	contact	R 60	47KΩ
Q 50	2N4119		C 56	33uF	6.3V	VR 59	10KΩ	3	contact	R 61	47KΩ
Q 51	2N4119		C 57	33uF	6.3V	VR 60	10KΩ	3	contact	R 62	47KΩ
Q 52	2N4119		C 58	33uF	6.3V	VR 61	10KΩ	3	contact	R 63	47KΩ
Q 53	2N4119		C 59	33uF	6.3V	VR 62	10KΩ	3	contact	R 64	47KΩ
Q 54	2N4119		C 60	33uF	6.3V	VR 63	10KΩ	3	contact	R 65	47KΩ
Q 55	2N4119		C 61	33uF	6.3V	VR 64	10KΩ	3	contact	R 66	47KΩ
Q 56	2N4119		C 62	33uF	6.3V	VR 65	10KΩ	3	contact	R 67	47KΩ
Q 57	2N4119		C 63	33uF	6.3V	VR 66	10KΩ	3	contact	R 68	47KΩ
Q 58	2N4119		C 64	33uF	6.3V	VR 67	10KΩ	3	contact	R 69	47KΩ
Q 59	2N4119		C 65	33uF	6.3V	VR 68	10KΩ	3	contact	R 70	47KΩ
Q 60	2N4119		C 66	33uF	6.3V	VR 69	10KΩ	3	contact	R 71	47KΩ
Q 61	2N4119		C 67	33uF	6.3V	VR 70	10KΩ	3	contact	R 72	47KΩ
Q 62	2N4119		C 68	33uF	6.3V	VR 71	10KΩ	3	contact	R 73	47KΩ
Q 63	2N4119		C 69	33uF	6.3V	VR 72	10KΩ	3	contact	R 74	47KΩ
Q 64	2N4119		C 70	33uF	6.3V	VR 73	10KΩ	3	contact	R 75	47KΩ
Q 65	2N4119		C 71	33uF	6.3V	VR 74	10KΩ	3	contact	R 76	47KΩ
Q 66	2N4119		C 72	33uF	6.3V	VR 75	10KΩ	3	contact	R 77	47KΩ
Q 67	2N4119		C 73	33uF	6.3V	VR 76	10KΩ	3	contact	R 78	47KΩ
Q 68	2N4119		C 74	33uF	6.3V	VR 77	10KΩ	3	contact	R 79	47KΩ
Q 69	2N4119		C 75	33uF	6.3V	VR 78	10KΩ	3	contact	R 80	47KΩ
Q 70	2N4119		C 76	33uF	6.3V	VR 79	10KΩ	3	contact	R 81	47KΩ
Q 71	2N4119		C 77	33uF	6.3V	VR 80	10KΩ	3	contact	R 82	47KΩ
Q 72	2N4119		C 78	33uF	6.3V	VR 81	10KΩ	3	contact	R 83	47KΩ
Q 73	2N4119		C 79	33uF	6.3V	VR 82	10KΩ	3	contact	R 84	47KΩ
Q 74	2N4119		C 80	33uF	6.3V	VR 83	10KΩ	3	contact	R 85	47KΩ
Q 75	2N4119		C 81	33uF	6.3V	VR 84	10KΩ	3	contact	R 86	47KΩ
Q 76	2N4119		C 82	33uF	6.3V	VR 85	10KΩ	3	contact	R 87	47KΩ
Q 77	2N4119		C 83	33uF	6.3V	VR 86	10KΩ	3	contact	R 88	47KΩ
Q 78	2N4119		C 84	33uF	6.3V	VR 87	10KΩ	3	contact	R 89	47KΩ
Q 79	2N4119		C 85	33uF	6.3V	VR 88	10KΩ	3	contact	R 90	47KΩ
Q 80	2N4119		C 86	33uF	6.3V	VR 89	10KΩ	3	contact	R 91	47KΩ
Q 81	2N4119		C 87	33uF	6.3V	VR 90	10KΩ	3	contact	R 92	47KΩ
Q 82	2N4119		C 88	33uF	6.3V	VR 91	10KΩ	3	contact	R 93	47KΩ
Q 83	2N4119		C 89	33uF	6.3V	VR 92	10KΩ	3	contact	R 94	47KΩ
Q 84	2N4119		C 90	33uF	6.3V	VR 93	10KΩ	3	contact	R 95	47KΩ
Q 85	2N4119		C 91	33uF	6.3V	VR 94	10KΩ	3	contact	R 96	47KΩ
Q 86	2N4119		C 92	33uF	6.3V	VR 95	10KΩ	3	contact	R 97	47KΩ
Q 87	2N4119		C 93	33uF	6.3V	VR 96	10KΩ	3	contact	R 98	47KΩ
Q 88	2N4119		C 94	33uF	6.3V	VR 97	10KΩ	3	contact	R 99	47KΩ
Q 89	2N4119		C 95	33uF	6.3V	VR 98	10KΩ	3	contact	R 100	47KΩ
Q 90	2N4119		C 96	33uF	6.3V	VR 99	10KΩ	3	contact	R 101	47KΩ
Q 91	2N4119		C 97	33uF	6.3V	VR 100	10KΩ	3	contact	R 102	47KΩ
Q 92	2N4119		C 98	33uF	6.3V	VR 101	10KΩ	3	contact	R 103	47KΩ
Q 93	2N4119		C 99	33uF	6.3V	VR 102	10KΩ	3	contact	R 104	47KΩ
Q 94	2N4119		C 100	33uF	6.3V	VR 103	10KΩ	3	contact	R 105	47KΩ
Q 95	2N4119		C 101	33uF	6.3V	VR 104	10KΩ	3	contact	R 106	47KΩ
Q 96	2N4119		C 102	33uF	6.3V	VR 105	10KΩ	3	contact	R 107	47KΩ
Q 97	2N4119		C 103	33uF	6.3V	VR 106	10KΩ	3	contact	R 108	47KΩ
Q 98	2N4119		C 104	33uF	6.3V	VR 107	10KΩ	3	contact	R 109	47KΩ
Q 99	2N4119		C 105	33uF	6.3V	VR 108	10KΩ	3	contact	R 110	47KΩ
Q 100	2N4119										

M645 SUPER

4 AE PRISM FINDER

5 OTHERS

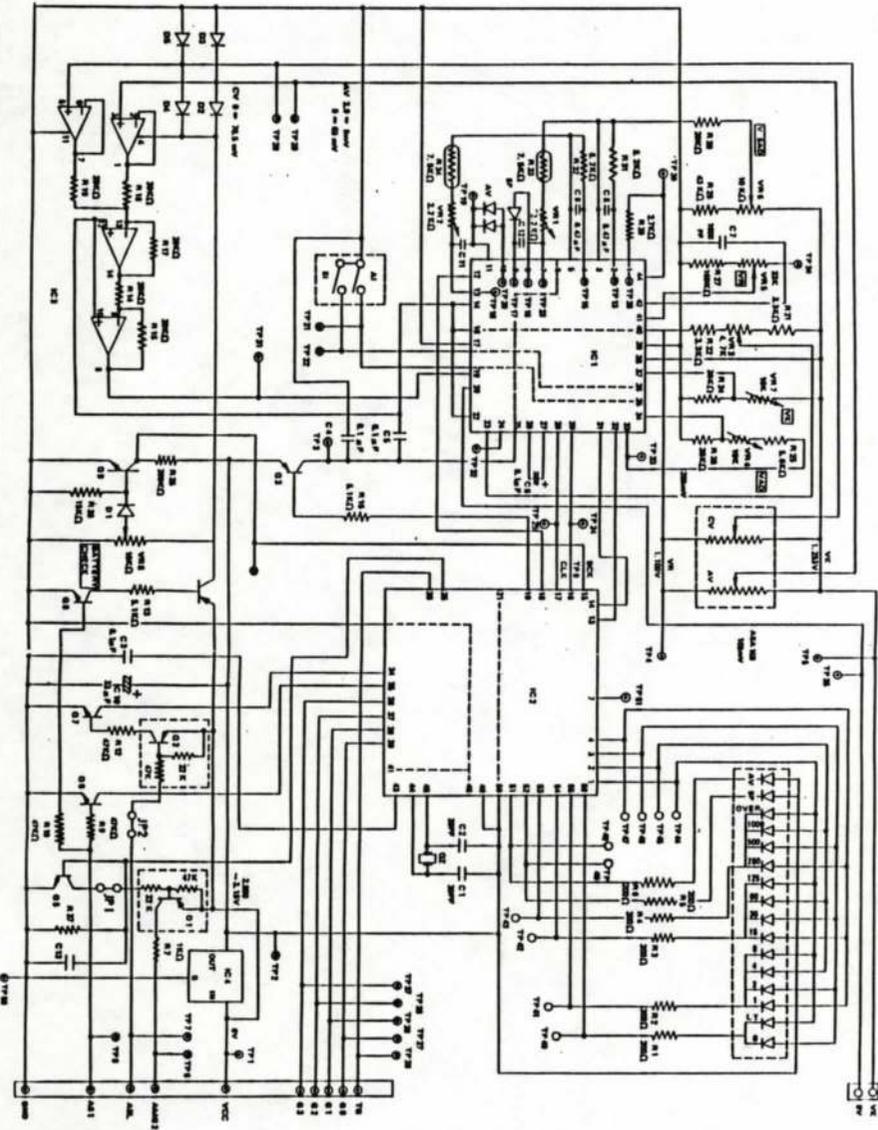
3 WIRING DIAGRAM

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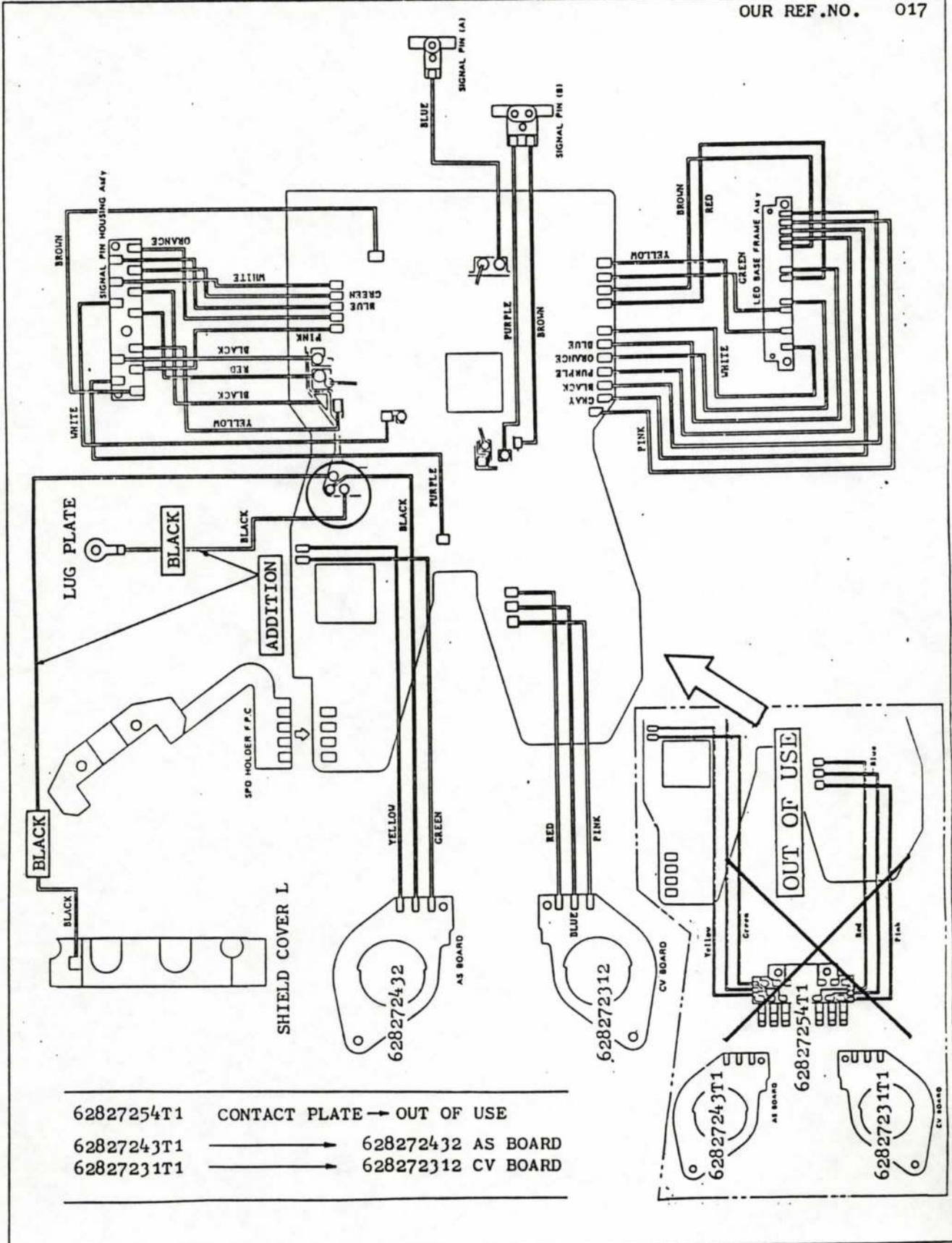
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Notation	Rating	Notation	Rating	Notation	Rating	Notation	Rating	Notation	Rating
IC 1	MSA420C5	C 3	0.1uF 50V	VA 6	10KD 3 contact	R 8	20KD	R 24	3kKD
IC 2	MSH3224C5	C 4	0.1uF 50V	VA 7	10KD 2 contact	R 9	47KD	R 25	5.6KD
IC 3	2902	C 5	0.1uF 50V	VA 8	10KD 3 contact	R 10	47KD	R 26	3kKD
IC 4	5-81230AC	C 6	0.1uF 6.3V	VA 9	MA322-Q	R 11	47KD	R 27	100KD
Q 1	25A1179	C 7	100PF 50V	D 1	32.768KHZ	R 12	47KD	R 28	43KD
Q 2	25A1179	C 8	0.47uF 6.3V	SFD 1	BC100C	R 13	5.1KD	R 29	20KD
Q 3	25A1179	C 9	0.47uF 6.3V	SFD 2	BC100C	R 14	20KD	R 30	20KD
Q 4	25A1179	C 10	0.47uF 6.3V	SFD 3	BC100C	R 15	20KD	R 31	8.2KD
Q 5	25C2812	C 11	30PF 6.3V	R 1	200D	R 16	5.1KD	R 32	8.2KD
Q 6	25C2812	C 12	30PF	R 2	200D	R 17	20KD	R 33	7.5KD
Q 7	25C2812	VA 1	2.2KD 2 contact	R 3	200D	R 18	20KD	R 34	7.5KD
Q 8	25C2812	VA 2	4.7KD 3 contact	R 4	200D	R 19	2.7KD -2x	R 35	20KD
Q 9	25C2812	VA 3	10KD 3 contact	R 5	200D	R 20	3.3KD -3x	R 36	15KD
C 1	30PF 50V	VA 4	10KD 3 contact	R 6	1KD	R 21	3.3KD	R 37	50KD
C 2	30PF 50V	VA 5	10KD 3 contact	R 7	1KD	R 22	3.3KD	C 13	0.1uF



Remarks



Remarks