



Kurz-Kasch, Inc.

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Operating Instructions

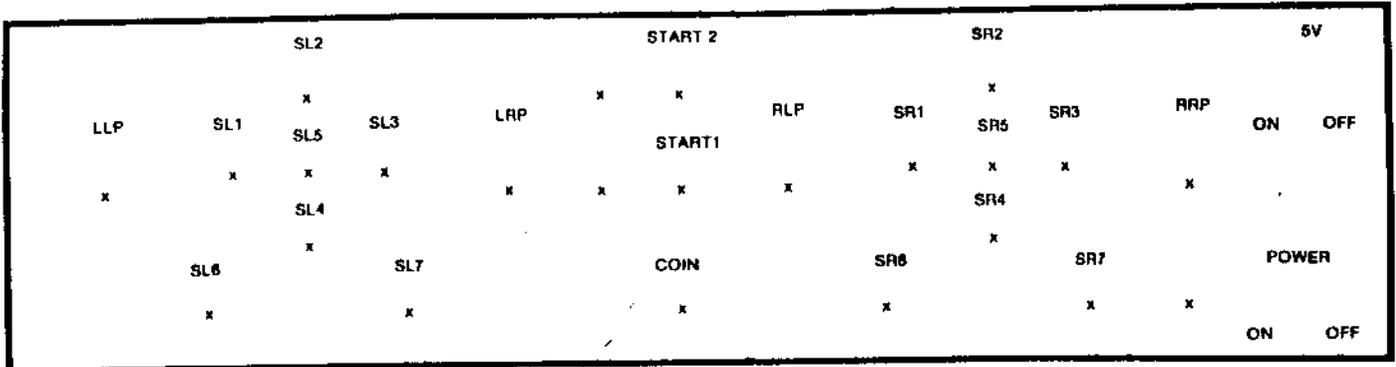
For Model

326AB---287C or 171C

GALAXIAN

MIDWAY

*Pacific
Gas
& Elec*



1. Insert 326B card into program "B" connector, number side up.
2. Insert 326A card into program "A" connector, number side up.
3. Insert 287C card into test fixture.
4. Insert Galaxian game board into 287C card.
5. Connect a speaker to the speaker leads.
6. Select "Table" or "Upright" on 326A card.
7. Turn on AC power.
8. Push COIN or SR-6 to coin game.
9. PUSH: START 1 for 1 Player, START 2 for 2 Player.

UPRIGHT

TABLE

SL-1	#1L	SL-1
SL-3	#1R	SL-3
SL-5	#1 FIRE	SL-5
SL-1	#2L	SR-1
SL-3	#2R	SR-3
SL-5	#2 FIRE	SR-5

10. To check for all three colors, check for a low-going-high signal with a logic probe at pins 16, T, and U of the edge connector.

NOTE: This card set is programmed to use the black and white monitor through the TF-650.....

GALAXIAN ADDRESS BUS

Use Z-80 Nop, Start CPU 5,
Stop CPU-5, Clock CPU 21
Gnd 29 - Vcc= 0001

ADDRESS	SIGNATURE	PIN	CPU	OE	BP	BN	BM	9M	*7A	*7B	*7C	*7D	7P	7N	4E	5E	2E	3E	2F	9L	9MAN
A0	UUUU	30	-	-	-	-	-	1	8	8	8	8	15	15	14	-	2	-	-	1	1
A1	5555	31	-	-	-	-	-	2	7	7	7	7	13	13	2	-	-	5	-	2	2
A2	CCCC	32	-	-	-	-	-	3	6	6	6	6	6	6	-	14	11	-	-	3	3
A3	777F	33	-	-	-	-	-	-	5	5	5	5	5	5	-	2	-	14	-	-	-
A4	SH21	34	-	-	-	-	-	-	4	4	4	4	4	4	5	-	-	2	-	-	-
A5	0AFA	35	-	-	-	-	-	-	3	3	3	3	3	3	11	-	14	-	-	-	-
A6	UPFH	36	-	-	-	-	-	-	2	2	2	2	14	14	-	5	-	-	2	-	-
A7	52F8	37	-	-	-	-	-	-	1	1	1	1	1	1	-	11	-	-	5	-	-
A8	HC89	38	-	-	-	-	-	-	23	23	23	23	2	2	-	-	-	-	14	-	-
A9	2H7D	39	-	-	-	-	-	-	22	22	22	22	7	7	-	-	-	-	11	-	-
A10	HPPO	40	-	-	-	-	-	-	19	19	19	19	-	-	-	-	-	-	-	-	-
A11	1293	1	-	-	-	-	-	-	18	18	18	18	-	-	-	-	-	-	-	-	-
A12	HAP7	2	-	-	-	-	-	-	21	21	21	21	-	-	-	-	-	-	-	-	-
A13	3C96	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A14	3827	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A15	757P	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* For on Roms Mounted on main Pcbboard .
For Roms on Board A082 - 9135 - A866

Pfn	U	Y	W	Y	Z
18	U364	2982	PIU6	3613	1293
19	HPP0	HPP0	HPP0	HPP0	HPP0
20	6H49	6H49	6H49	19	6H49
21	0001	0001	0001	0001	0001

CPU Control Bus
 Use z-80 Nop, Clock 21J,
 Ground Bm - 5, Start / Stop 5J
 Gnd-29, Vcc - 0001

PIN	BM	BU	BP	ZN	7P	7N	4M25M	4K,4J85J	ZP	3E	4E85E	4F85F	3F83H	5J	9L	9M	9N	8L	3R
1	1293	1293	1293	-	-	-	2FF3	7807	7807	-	2FF3		-	-	-	-	-	-	-
2	HAP7	HAP7	HAP7	-	-	-	-	7807	7807	-	-		-	-	-	-	-	-	-
3	3C96	3C96	3C96	-	-	-	-	7807	7807	-	-		-	-	-	-	-	-	-
4	1181	1181	1181	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
5	0000	0000	1181	71H4	-	-	-	-	-	-	-		-	-	-	-	-	-	-
6	0001	0001	0001	71H4	-	-	-	-	-	-	-		-	-	-	-	-	-	-
7	7A71	7A71	71H4	71H4	-	-	-	-	-	-	-		-	-	-	-	-	-	7807
8	0000	0000	0000	-	71H4	71H4	-	-	-	-	-		-	-	-	-	-	-	-
9	UB1U	UB1U	UB1U	-	-	-	-	-	-	-	-		-	-	-	-	-	-	7871
10	BF14	BF14	BF14	-	-	-	-	-	-	-	-		7807	-	-	-	-	-	-
11	PF2P	PF2P	PF2P	-	-	-	-	-	7807	-	-		-	7A71	-	-	-	-	-
12	2FF3	2FF3	2FF3	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
13	7807	7807	7807	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
14	H6F4	H6F4	H6F4	-	-	-	-	-	-	-	-		-	BF14	PF2P	UB1U	-	-	-
15	71H4	71H4	71H4	-	-	-	2FF3	7807	-	-	-		-	-	-	-	-	-	-
16	0001	0001	0001	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-