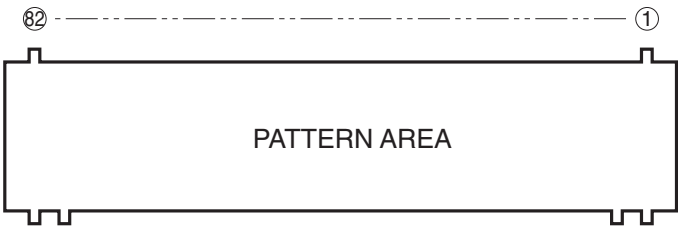


■ DISPLAY DATA

● V4001 : 23-MT-04GINK (OPERATION P.C.B.)



● PIN CONNECTION

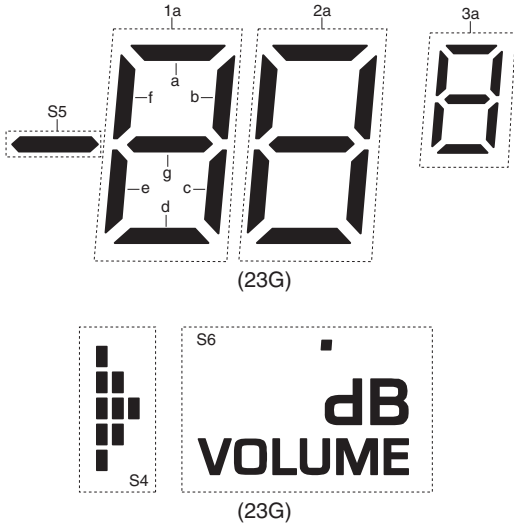
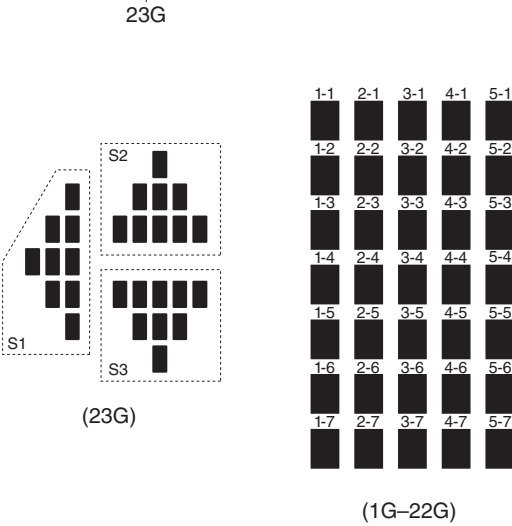
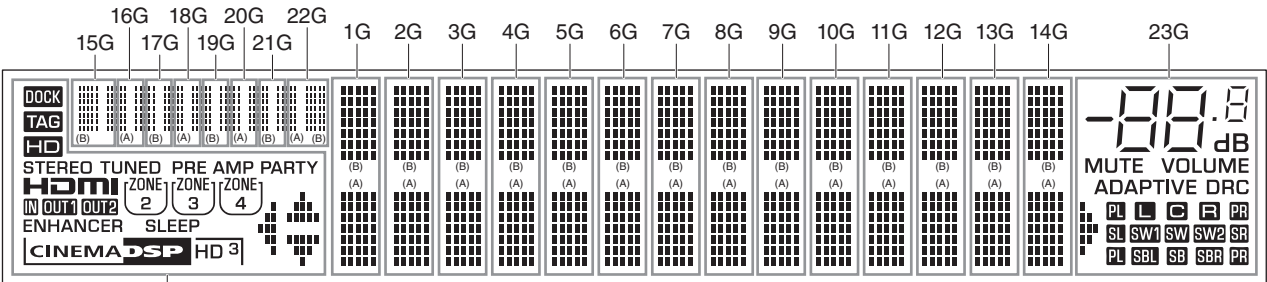
Pin No.	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61
Connection	F2	F2	NP	NP	NP	NP	LGND	PGND	VH	VDD	OSC	RESET	CS	CP	DA	TSA	TSB	NP	NP	NP	NP	NP

Pin No.	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31
Connection	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP

Pin No.	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Connection	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NC	NC	NC	NC	NC	NC	NC	NC	NC	Q23G	23G	NP	NP	NP	NP	F1	F1

Note : 1) F1, F2 Filament pin 2) NP No pin 3) DL Datum line pin 4) LGND Logic GND pin 5) PGND Power GND pin
6) HV High voltage supply pin 7) VDD Logic voltage supply pin 8) OSC Pin for self-oscillation 9) RESET Reset input
10) CS Chip select input pin 11) CP Shift register clock 12) DA Serial data input 13) TSA,B Test pin
14) Solder composition is Sn-3Ag-0.5Cu. 15) Field of vision is a minimum of 25.0° from the upper side, 22.8° from the lower side.
16) 23G Grid 17) Q23G Driver output port 18) NC No connection

● GRID ASSIGNMENT



• Anode connection

	1G-14G	15G	16G, 17G	18G, 19G	20G, 21G	22G	23G
D0B	1-1B	1-1B	1-1B	1-1B	1-1B	1-1B	1a
D1B	2-1B	2-1B	2-1B	2-1B	2-1B	2-1B	2a
D2B	3-1B	3-1B	3-1B	3-1B	3-1B	3-1B	3a, 3f, 3c, 3d
D3B	4-1B	4-1B	4-1B	4-1B	4-1B	4-1B	1b
D4B	5-1B	5-1B	5-1B	5-1B	5-1B	5-1B	2b
D5B	1-2B	1-2B	1-2B	1-2B	1-2B	1-2B	3g
D6B	2-2B	2-2B	2-2B	2-2B	2-2B	2-2B	1f
D7B	3-2B	3-2B	3-2B	3-2B	3-2B	3-2B	2f
D8B	4-2B	4-2B	4-2B	4-2B	4-2B	4-2B	3b, 3e
D9B	5-2B	5-2B	5-2B	5-2B	5-2B	5-2B	1g
D10B	1-3B	1-3B	1-3B	1-3B	1-3B	1-3B	2g
D11B	2-3B	2-3B	2-3B	2-3B	2-3B	2-3B	S5
D12B	3-3B	3-3B	3-3B	3-3B	3-3B	3-3B	1c
D13B	4-3B	4-3B	4-3B	4-3B	4-3B	4-3B	2c
D14B	5-3B	5-3B	5-3B	5-3B	5-3B	5-3B	1e
D15B	1-4B	1-4B	1-4B	1-4B	1-4B	1-4B	2e
D16B	2-4B	2-4B	2-4B	2-4B	2-4B	2-4B	1d
D17B	3-4B	3-4B	3-4B	3-4B	3-4B	3-4B	2d
D18B	4-4B	4-4B	4-4B	4-4B	4-4B	4-4B	S6
D19B	5-4B	5-4B	5-4B	5-4B	5-4B	5-4B	MUTE
D20B	1-5B	1-5B	1-5B	1-5B	1-5B	1-5B	ADAPTIVE DRC
D21B	2-5B	2-5B	2-5B	2-5B	2-5B	2-5B	PL (UP)
D22B	3-5B	3-5B	3-5B	3-5B	3-5B	3-5B	L
D23B	4-5B	4-5B	4-5B	4-5B	4-5B	4-5B	C
D24B	5-5B	5-5B	5-5B	5-5B	5-5B	5-5B	R
D25B	1-6B	1-6B	1-6B	1-6B	1-6B	1-6B	PR (UP)
D26B	2-6B	2-6B	2-6B	2-6B	2-6B	2-6B	SL
D27B	3-6B	3-6B	3-6B	3-6B	3-6B	3-6B	SW1
D28B	4-6B	4-6B	4-6B	4-6B	4-6B	4-6B	SW2
D29B	5-6B	5-6B	5-6B	5-6B	5-6B	5-6B	SR
D30B	1-7B	1-7B	1-7B	1-7B	1-7B	1-7B	PL (DOWN)
D31B	2-7B	2-7B	2-7B	2-7B	2-7B	2-7B	SBL
D32B	3-7B	3-7B	3-7B	3-7B	3-7B	3-7B	SB
D33B	4-7B	4-7B	4-7B	4-7B	4-7B	4-7B	SBR
D34B	5-7B	5-7B	5-7B	5-7B	5-7B	5-7B	PR (DOWN)

	1G-14G	15G, 16G	17G, 18G	19G, 20G	21G, 21G	23G
D0A	1-1A	1-1A	1-1A	1-1A	1-1A	DOCK
D1A	2-1A	2-1A	2-1A	2-1A	2-1A	TAG
D2A	3-1A	3-1A	3-1A	3-1A	3-1A	HD
D3A	4-1A	4-1A	4-1A	4-1A	4-1A	STEREO
D4A	5-1A	5-1A	5-1A	5-1A	5-1A	HDMI
D5A	1-2A	1-2A	1-2A	1-2A	1-2A	IN
D6A	2-2A	2-2A	2-2A	2-2A	2-2A	OUT1
D7A	3-2A	3-2A	3-2A	3-2A	3-2A	OUT2
D8A	4-2A	4-2A	4-2A	4-2A	4-2A	ENHANCER
D9A	5-2A	5-2A	5-2A	5-2A	5-2A	ZONE 2
D10A	1-3A	1-3A	1-3A	1-3A	1-3A	ZONE 3
D11A	2-3A	2-3A	2-3A	2-3A	2-3A	ZONE 4
D12A	3-3A	3-3A	3-3A	3-3A	3-3A	SLEEP
D13A	4-3A	4-3A	4-3A	4-3A	4-3A	CINEMA DSP
D14A	5-3A	5-3A	5-3A	5-3A	5-3A	3
D15A	1-4A	1-4A	1-4A	1-4A	1-4A	S1
D16A	2-4A	2-4A	2-4A	2-4A	2-4A	S1
D17A	3-4A	3-4A	3-4A	3-4A	3-4A	S3
D18A	4-4A	4-4A	4-4A	4-4A	4-4A	TUNED
D19A	5-4A	5-4A	5-4A	5-4A	5-4A	PRE AMP
D20A	1-5A	1-5A	1-5A	1-5A	1-5A	PARTY
D21A	2-5A	2-5A	2-5A	2-5A	2-5A	S4
D22A	3-5A	3-5A	3-5A	3-5A	3-5A	HD
D23A	4-5A	4-5A	4-5A	4-5A	4-5A	SW
D24A	5-5A	5-5A	5-5A	5-5A	5-5A	—
D25A	1-6A	1-6A	1-6A	1-6A	1-6A	—
D26A	2-6A	2-6A	2-6A	2-6A	2-6A	—
D27A	3-6A	3-6A	3-6A	3-6A	3-6A	—
D28A	4-6A	4-6A	4-6A	4-6A	4-6A	—
D29A	5-6A	5-6A	5-6A	5-6A	5-6A	—
D30A	1-7A	1-7A	1-7A	1-7A	1-7A	—
D31A	2-7A	2-7A	2-7A	2-7A	2-7A	—
D32A	3-7A	3-7A	3-7A	3-7A	3-7A	—
D33A	4-7A	4-7A	4-7A	4-7A	4-7A	—
D34A	5-7A	5-7A	5-7A	5-7A	5-7A	—

•Timing chart

	1G-14G	15G	16G, 17G	18G, 19G	20G, 21G	22G	23G
D0B	T1-T14	T15	T17	T19	T21	T23	T24
D1B	T1-T14	T15	T17	T19	T21	T23	T24
D2B	T1-T14	T15	T17	T19	T21	T23	T24
D3B	T1-T14	T15	T17	T19	T21	T23	T24
D4B	T1-T14	T15	T17	T19	T21	T23	T24
D5B	T1-T14	T15	T17	T19	T21	T23	T24
D6B	T1-T14	T15	T17	T19	T21	T23	T24
D7B	T1-T14	T15	T17	T19	T21	T23	T24
D8B	T1-T14	T15	T17	T19	T21	T23	T24
D9B	T1-T14	T15	T17	T19	T21	T23	T24
D10B	T1-T14	T15	T17	T19	T21	T23	T24
D11B	T1-T14	T15	T17	T19	T21	T23	T24
D12B	T1-T14	T15	T17	T19	T21	T23	T24
D13B	T1-T14	T15	T17	T19	T21	T23	T24
D14B	T1-T14	T15	T17	T19	T21	T23	T24
D15B	T1-T14	T15	T17	T19	T21	T23	T24
D16B	T1-T14	T15	T17	T19	T21	T23	T24
D17B	T1-T14	T15	T17	T19	T21	T23	T24
D18B	T1-T14	T15	T17	T19	T21	T23	T24
D19B	T1-T14	T15	T17	T19	T21	T23	T24
D20B	T1-T14	T15	T17	T19	T21	T23	T24
D21B	T1-T14	T15	T17	T19	T21	T23	T24
D22B	T1-T14	T15	T17	T19	T21	T23	T24
D23B	T1-T14	T15	T17	T19	T21	T23	T24
D24B	T1-T14	T15	T17	T19	T21	T23	T24
D25B	T1-T14	T15	T17	T19	T21	T23	T24
D26B	T1-T14	T15	T17	T19	T21	T23	T24
D27B	T1-T14	T15	T17	T19	T21	T23	T24
D28B	T1-T14	T15	T17	T19	T21	T23	T24
D29B	T1-T14	T15	T17	T19	T21	T23	T24
D30B	T1-T14	T15	T17	T19	T21	T23	T24
D31B	T1-T14	T15	T17	T19	T21	T23	T24
D32B	T1-T14	T15	T17	T19	T21	T23	T24
D33B	T1-T14	T15	T17	T19	T21	T23	T24
D34B	T1-T14	T15	T17	T19	T21	T23	T24

	1G-14G	15G, 16G	17G, 18G	19G, 20G	21G, 21G	23G
D0A	T1-T14	T16	T18	T20	T22	T24
D1A	T1-T14	T16	T18	T20	T22	T24
D2A	T1-T14	T16	T18	T20	T22	T24
D3A	T1-T14	T16	T18	T20	T22	T24
D4A	T1-T14	T16	T18	T20	T22	T24
D5A	T1-T14	T16	T18	T20	T22	T24
D6A	T1-T14	T16	T18	T20	T22	T24
D7A	T1-T14	T16	T18	T20	T22	T24
D8A	T1-T14	T16	T18	T20	T22	T24
D9A	T1-T14	T16	T18	T20	T22	T24
D10A	T1-T14	T16	T18	T20	T22	T24
D11A	T1-T14	T16	T18	T20	T22	T24
D12A	T1-T14	T16	T18	T20	T22	T24
D13A	T1-T14	T16	T18	T20	T22	T24
D14A	T1-T14	T16	T18	T20	T22	T24
D15A	T1-T14	T16	T18	T20	T22	T24
D16A	T1-T14	T16	T18	T20	T22	T24
D17A	T1-T14	T16	T18	T20	T22	T24
D18A	T1-T14	T16	T18	T20	T22	T24
D19A	T1-T14	T16	T18	T20	T22	T24
D20A	T1-T14	T16	T18	T20	T22	T24
D21A	T1-T14	T16	T18	T20	T22	T24
D22A	T1-T14	T16	T18	T20	T22	T24
D23A	T1-T14	T16	T18	T20	T22	T24
D24A	T1-T14	T16	T18	T20	T22	–
D25A	T1-T14	T16	T18	T20	T22	–
D26A	T1-T14	T16	T18	T20	T22	–
D27A	T1-T14	T16	T18	T20	T22	–
D28A	T1-T14	T16	T18	T20	T22	–
D29A	T1-T14	T16	T18	T20	T22	–
D30A	T1-T14	T16	T18	T20	T22	–
D31A	T1-T14	T16	T18	T20	T22	–
D32A	T1-T14	T16	T18	T20	T22	–
D33A	T1-T14	T16	T18	T20	T22	–
D34A	T1-T14	T16	T18	T20	T22	–