

TERMINALS DESCRIPTION (CD Servo Block)

■ IC201 MN662748RPMF

Pin No.	Port	Description	I/O	Vol. (V)
1	BCLK(NC)	—	—	—
2	LRCK(NC)	—	—	—
3	SRDATA(NC)	—	—	—
4	DVDD1	+5V Power Supply for Digital	I	5.0
5	DVSS1	Ground for Digital	I	0
6	TX(NC)	—	—	—
7	MCLK	Command Clock	I	0
8	MDATA	Command Data	I	0
9	MLD	Command Load	I	0
10	SENSE	SENSE Signal	O	0
11	/FLOCK	Focus Servo	O	0
12	/TLOCK	Tracking Servo	O	4.9
13	BLKCK(NC)	—	—	—
14	SQCK/GIOO	EX-clock for Subcode Q	I	4.9
15	SUBQ	Subcode Q-cord	O	2.5
16	DMUTE	DSP Muting	I	0
17	STAT	Status Signal	O	3.1
18	/RST	Reset Input	I	4.9
19	SMCK(NC)	—	—	—
20	PMCK/PLAY (NC)	—	—	—
21	TRV	Traverse Motor Control	O	2.5
22	TVD	Traverse Motor Drive	O	2.5
23	PC	Spindle Motor Control	O	0
24	ECM	Spindle Motor Drive	O	2.5
25	ECS	Spindle Motor Drive	O	2.5
26	KICK	Kick Pulse	O	2.5
27	TRD	Tracking Drive	O	2.5
28	FOD	Focus Drive	O	2.5
29	VREF	Reference Voltage	I	2.5
30	FBAL	Focus Balance	O	2.5
31	TBAL	Tracking Balance	O	2.5
32	FE	Focus Error	I	2.5
33	TE	Tracking Error	I	2.5
34	RFENV	RF Envelope	I	2.5
35	VDET	Vibration Detecting	I	0
36	OFT	OFF Track Signal	I	0
37	TRCRS	Track Cross	I	2.1
38	/RFDET	RF Detecting Signal	I	0
39	BDO	Drop-Out Signal	I	0
40	LDON	Laser ON Signal	O	4.5
41	PLL2(NC)	—	—	—
42	TOFS	TE Offset	O	2.5
43	WWEL(NC)	—	—	—
44	ARF	RF Signal	I	1.7
45	IREF	Reference Current Input	I	1.6
46	DRF	DSL Bias	I	0
47	DSLFL	Loop Filter for DSL	I/O	2.4
48	PLLF	Loop filter for PLL	I/O	1.8
49	VCOF (NC)	—	—	—
50	AVDD2	Power Supply for Analog	—	5.0
51	AVSS2	Ground for Analog	—	0
52	EFM(NC)	—	—	—
53	PCK/DSLB	DSL Bias	I	2.4
54	VCOF2	Tracking Offset	O	2.5
55	SUBC(NC)	—	—	—
56	SBCK	Connect to Ground	—	—
57	VSS	Ground	—	0
58	X1	Crystal oscillator	I	1.7
59	X2	Crystal oscillator	O	2.3
60	VDD	+5V Power Supply	—	5.0
61	BYTCK (NC)	—	—	—
62	GI01/CLDCK (NC)	—	—	—
63	GI02/FCLK (NC)	—	—	—
64	IP FLAG(NC)	—	—	—
65	FLAG(NC)	—	—	—
66	CLVS(NC)	—	—	—
67	CRC(NC)	—	—	—
68	DEMPH(NC)	—	—	—
69	RESY(NC)	—	—	—
70	IOSEL	Connect to Ground	I	0
71	/TEST	Connect to Ground	I	0
72	AVDD1	+5V Power Supply for Analog	—	4.9
73	OUTL	Audio Output (Lch)	O	4.9
74	AVSS1	Ground for Analog	—	0
75	OUTR	Audio Output (Rch)	O	4.9
76	RSEL/GI03	Connect to Ground	I	0
77	CSEL	Connect to Ground	I	0
78	PSEL	Connect to Ground	I	0
79	MSEL	Connect to Ground	I	0
80	SSEL	Mode select for output	I	5.0

■ IC401 MN101C117AD

Pin No.	Port	Description	I/O	Vol. (V)
1	MASHON	Servo IC OSC Control	O	5.0
2	P82(NC)	—	—	—
3	P81(NC)	—	—	—
4	P5CNT	LED Power Control (Hi-Z:ON L:OFF)	O	0
5	Q1	Photo Sensor Signal (DISC IN)	I	4.5
6	Q3	Photo Sensor Signal (DISC OUT)	I	4.2
7	Q5	Photo Sensor Signal (Option)	I	5.0
8	SW4	Clamp SW Signal (L:Set)	I	0
9	SW5	Inner SW Signal (L:Inner SW ON)	I	5.0
10	SW2	Feeder Arm SW (H:NO DISC L:DISC IN)	I	5.0
11	PA6	Connect toGround	—	0
12	PA7/IFR	Test Mode Select (H:RFI measurement) Connect to Ground	I	0
13	VDD	+5V Power Supply	—	5.0
14	OSC2	4.19MHz Crystal oscillator	—	5.0
15	OSC1	4.19MHz Crystal oscillator	—	3.3
16	VSS	Ground	—	0
17	(NC)	—	—	—
18	SOMI	Data Output	O	3.2
19	SIMO	Data Input	I	3.8
20	SCCK	Serial Clock	I	5.0
21	AMUTE	Audio Signal Mute (H:Mute ON)	O	0
22	BD0	Dorp Out Signal Input	I	0
23	PC1	Loading Motor Drive Control(H:Mute)	O	5.0
24	PS2	Fo and TR Actueata DriveControl (H:Mute)	O	0
25	VDET	Vibration Detecting Signal Input	I	0
26	P14 (NC)	—	—	—
27	CDON	CD ON signal	I	5.0
28	IRQ1.SENSE	Connect to Ground	—	0
29	IRQ2	Connect to Ground	—	0
30	LOD	Loading Motor Control (H:OUT L:IN Hi-Z:Stop)	—	2.6
31	TRV	Traverse Motor Control (H:to Inside L:to Outside Hi-Z:Stop)	—	2.5
32	/PRST	Servo IC Reset Signal (L:Reset)	O	5.0
33	STAT	Status Signal	I	4.0
34	DMUTE	DSP Control (H:Mute)	O	0
35	SUBQ	SubCode Q Data Input	I	2.6
36	SQCK	SubCode Q Data Clock	O	5.0
37	/TLOCK	Tracking Servo (L:Lock)	I	0
38	/FLOCK	Focus Servo (L:Lock)	I	0
39	NRST	Reset Input	I	5.0
40	MMOD	Connect to Ground	—	0
41	SENSE	SENSE Signal	I	0
42	MLD	Command Lode	O	5.0
43	MDATA	Command Data	O	0.9
44	MCLK	Command Clock	O	4.6