

VII. Motor Drive,Control Section

Motor Drive IC Product Function Comparison Chart

Application	Function	Type of IC used	Type No.
FDD (Floppy disk drive)	Controller	Controller	TC68001 2F(4-bit CPU)
	Spindle	Dedicated single chip	TA8453F TA8434F
		Servo	TC9142 TC9203P/F(PLL) TA7715P(F servo) TC9193F
		Hall motor	TA7736P/F(3.5) TA7259P/F(5.25)
	Head	Stepping motor	TA7774P/F TA7534P TD62M4700F TA8430AF
		Voice coil motor	TA7256P TA7272P TA8406P/F TA8470P/F
HDD (Hard disk drive)	Controller	Controller	TC8561F T7508
	Spindle	Dedicated single chip	TA8453F
		Servo	TC9193F TC9142P TC9203P/F
		Hall motor	TA7736P/F (3.5) TA7259P/F(5.25)
	Head	Stepping motor	TA7774P/F TA7289P/F TD62M4700F TA8430AF
		Voice coil motor	TA7272P TA8407P/F
Printer	Carriage	Stepping motor	TD62803P TA7289P/F TA8415P TD62308AP/B-1/F/AF TD62064AP/BP-1/F/AF
	Feed (paper, ribbon)	Stepping motor	TA7289P/F TD62803P TA8415P TD62308AP/BP-1/F/AF TD62064AP/BP-1/F/AF
	Daisy wheel drive	Stepping motor	TA7289P/F TA777P/F
	Polygon mirror drive (for laser printers)	Servo	TC9142P TC9203P/F
		Hall motor	TA7248P TA7259P TA8453F
Optical disk	Spindle	Servo	TC9142P TC9203F
		Hall motor	TA7247AP TA7248P
Facsimile	Feed	System driver	TA8411L/H
		Stepping motor	TA7289P/F TD62064AP/F/AF TD62064BP-1 TD62107BP/F
	Cutter	Bridge driver	TA7279P TA7267BP TA8419P
ETW (Electronic typewriter)	Carriage	Stepping motor	TA7289P/F TD62803P TA8425H TA8435H
	Ribbon feed	Stepping motor	TA7289P/F TA7774P/F TD62308AP/BP-1/F/AF TD62064AP/BP-1/F/AF
	Paper feed	Stepping motor	TA7289P/F TA7774P/F TD62803P TA8425H TD62308AP/BP-1/F/AF
		Bridge driver	TA7279P TA7267BP TA8419P TA8428K TA8429H
	Daisy wheel	Stepping motor	TA7289P/F
LBP (Laser beam printer)	Drum	Stepping motor	TD62803P TA8415P TA62308AP/BP-1/F/AF TD62064AP/BP-1/F/AF
	Lens, mirror	Stepping motor	TA7289P/F TA8425H TD62308AP/BP-1/F/AF TD62064AP/BP-1/F/AF
		Hall motor	TA7712P TA8412P TA8443F TA8444F
	Scanner	Stepping motor	TD62803P TA7289P/F TA8415P TD62308AP/BP-1/F/AF
	Toner hopper, sorter	Bridge driver	TA7267BP TA8419P TA8428K TA8429H
	Heat roller	Hall motor	TA7712P TA8412P TA8443F TA8444F
	Fan	Hall motor	TA7247AP TA7284P TA8414P/F TA8420AF TA8421AF
	Paper feed	Hall motor	TA7712P/F TA8412P TA8443F TA8444F
		Stepping motor	TD62803P TA7289P/F TA8415P TD62308AP/BP-1/F/AF
	Polygon mirror	Hall motor	TA8453F TC9142P/F TA7259P/F

Hall Sensor Product Chart

Application	Type No.	Package	V _H (mV)
DC brushless motor Position detection	THS112	SSIP	65~170
	THS119		55~140
	THS106A	SMQ (Surface-mounting type)	65~170
	THS117		55~140
	THS108A	USH (Surface-mounting, thin type)	65~170
	THS118		55~140

2. Printer Head Driver IC Product Chart

Application	Type No.	bit	Features	Maximum ratings			Package
				V _o (V)	I _o (mA)		
					AVERAGE	PEAK	
Thermal	TD62C805F	48	SRLD	30	100	—	μPFP80
	TD62C806F	32	SRLD	30	100	—	μPFP64
	TD62801P/F	8	SRLD	26	60	—	DIP16/PFP16
	TD62824P	24	3bit SR×8	28	80	150	DIP42
	TD6235BP	8	SRLD	30	40	—	DIP16
	TD62381P	8	Transistor array (H: ACT)	15	500	—	DIP18
	TD62382AP/F/AF	8	Transistor array (L: ACT)	50/35	50	—	DIP18/FLP18
	TD62384, 5AP/F/AF	8	Transistor array (L: ACT)	50/35	500	—	DIP18/FLP18
	TD62583AP/F/AF	8	Transistor array (L: ACT)	50/35	50	—	DIP18/FLP18
	TD62781, 2AP/F/AF	8	Transistor array (L: ACT)	50/35	— 50	—	DIP18/FLP18
Ink jet	TD62083CP	8	Transistor array (H: ACT)	100	400	—	DIP18
	TD62940P	4	Head Driver	150	—	± 1500	L-DIP24
	TD62981P	8	8 bit, 3-state Buffer	120	+ 20, — 10	—	DIP20
	TD62C931F	40	SRLD	90	350	—	μPFP64
	TD62C946F	34	SRLD	250	± 60	—	μPFP64
Wire dot	TD62064AP/BP-1/AF	4	Transistor array (H: ACT)	50/80/50	1500	—	DIP16/PFP16
	TD62107P/BP/F	4	Transistor array (H: ACT)	45/80	750	—	DIP16/PFP16
	TD62308AP/BP-1/AF	4	Transistor array (L: ACT)	50/80/50	— 1500	—	DIP16/PFP16
	TD62164AP/AF	4	Transistor array (H: ACT)	50	700	—	DIP16/PFP16
	TD62318AP/AF	4	Transistor array (L: ACT)	50	— 700	—	DIP16/PFP16
LED	TD62C938F	34	SRLD	120	350	—	μPFP64
	TD62C850N	16	SRLD (constant current output)	16	30	—	DIP30N
	TD62781、2AP/F	8	Transistor array (H: ACT)	60	50	—	DIP18/FLP18
	TD62783、4AP/F	8	Transistor array (H: ACT)	50	— 500	—	DIP18/FLP18
	TD62786、7AP/F	8	Transistor array (L: ACT)	50	— 500	—	DIP18/FLP18

SRLD: Shift Register + Latch + Driver