

VII. Motor Drive,Control Section

Motor Drive IC Product Function Comparison Chart

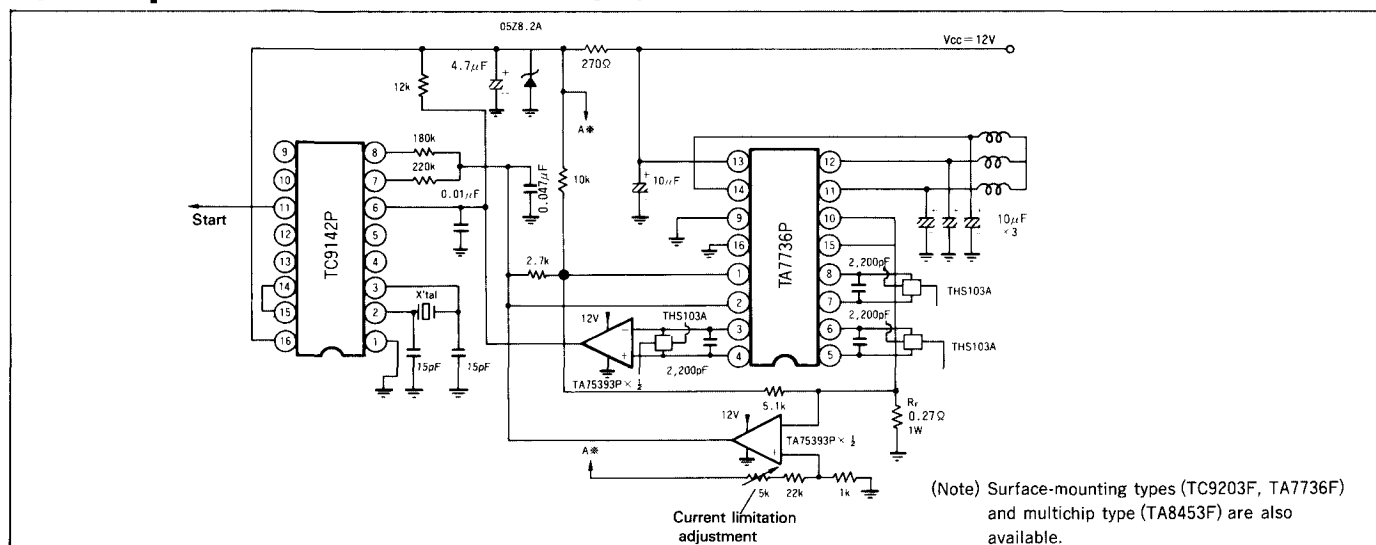
Application	Function	Type of IC used	Type No.
FDD (Floppy disk drive)	Controller	Controller	TC68001 2F(4-bit CPU)
	Spindle	Dedicated single chip	TA8453F TA8434F
		Servo	TC9142 TC9203P/F(PLL) TA7715P(F servo) TC9193F
		Hall motor	TA7736P/F(3.5) TA7259P/F(5.25)
	Head	Stepping motor	TA7774P/F TA7534P TD62M4700F 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

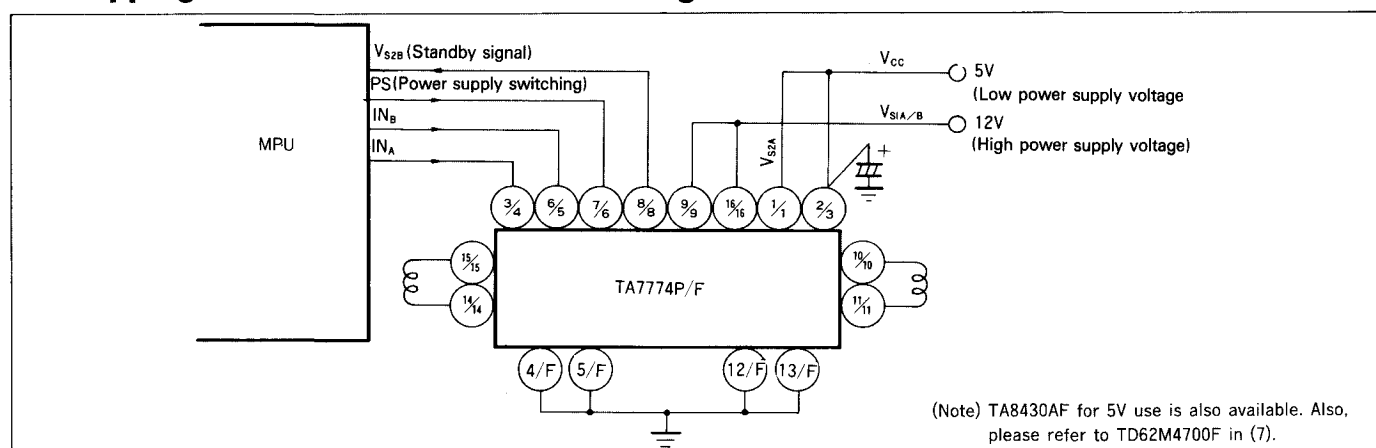
Application	Type No.	Package	V _H (mV)
DC brushless motor Position detection	THS112	SSIP	65~170
	THS119		55~140
	THS106A	SMQ (Surface-mounting type)	65~170
	THS117		55~140
	THS108A	USH (Surface-mounting, thin type)	65~170
	THS118		55~140

Typical Circuit Applications

(1) PLL Spindle Motor Drive Circuit for 3.5-inch HDDs



(2) Stepping Motor Drive Circuit for Driving Heads for 5.25-inch and 3.5-inch FDDs



(3) High-Speed Carriage Motor Drive Circuit for PPCs and Printers (Stepping Motor)

