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1. FUNCTION INDEX (General Information)

Equipment	Model	Package	Max. rating	Functions	Page
PLL controller	TC9142AP	DIP 16-P-300A	—	8-bit D/A conversion-type F/V P/V converter incorporated, no adjustment required	605
	TC9192AP/AF	DIP 18-P-300A SOP20-P-300	—	Double PLL controller incorporating 8-bit D/A converter	620
	TC9193AP/AF	DIP 18-P-300A SOP20-P-300	7V 20mA	Same as TC9142AP, for motor control of floppy disk driver (FDD)	634
	TC9203AP/AF	DIP 16-P-300A SOP 16-P-300	—	Same as TC9142AP, changing 300/360 rpm possible (for FDD)	645
Phase comparator	TC5081AP	SIP 9-P-A	—	General-use phase comparator	663
F/V converter	TA7715P	DIP 16-P-300A	—	S/H type F/V converter	195
Hall motor controller	TA7712P/F	DIP 20-P-300A SSOP 24-P-300	8V 25mA	3-phase single-chip hall motor controller	169
	TA7713P	DIP 20-P-300A	8V 25mA	3-phase single-chip hall motor controller for video disk	181
	TA7759P	DIP 18-P-300A	18V 10mA	4-phase half-wave hall motor controller	230
	TA8412P/F	DIP 20-P-300A SSOP 24-P-300	18V 100mA	3-phase single-chip hall motor controller	310
	TA8413P	DIP 20-P-300A	18V 100mA	3-phase single-chip hall motor controller	315
	TA8443F	QFP 60-P-1414F	—	PLL-PWM type hall motor controller (constant angular velocity type), multichip IC of TC9203, TA76494 and TA7712	460
Hall motor driver	TA7245BP/BP (LB)/CP/F	HDIP 14-P-500A HSOP 20-P-450	26V 1.2A	3-phase bi-directional driver, current control type	43
	TA7247AP	HDIP 20-P	38V 1.5A	3-phase bi-directional driver, voltage control type, SW regulator controller incorporated	57
	TA7248P	HDIP 20-P	35V 0.9A	3-phase bi-directional driver, current control type	68
	TA7259P/P (LB)/F	HDIP 14-P-500A HSOP 20-P-450	26V 1.2A	3-phase bi-directional driver, current control type	80
	TA7260P	HDIP 14-P-500A	35V 0.9A	2-phase bi-directional driver, current control type	85
	TA7261P	HDIP 14-P-500A	25V 0.6A	2-phase bi-directional driver, current control type	94
	TA7262P/P (LB)/F	HDIP 14-P-500A HSOP 20-P-450	25V 1.5A	3-phase bi-directional driver, voltage control type	100
	TA7284P	HDIP 24-P-500	24.5V 0.6A	2-phase bi-directional F-servo single-chip driver	124
	TA7735N/F	SDIP 24-P-300 SSOP 24-P-300	18V 1.2A	Hall-sensorless 3-phase unipolar driver, SW regulator incorporated	204

Equipment	Model	Package	Max. rating	Functions	Page
Hallmotor driver	TA7736P/F	DIP 16-P-300A HSOP 16-P-300	26V 1.0A	3-phase bi-directional driver, current control type	215
	TA7745P/F	DIP 16-P-300A SSOP 16-P-225A	18V 1.0A	Low-voltage 3-phase unipolar (bi-directional) driver, voltage control type, bi-directional drive possible by external transistors	225
	TA8402F	HSOP 20-P-450	18V 1.0A	Same as TA7745P/F, control amplifier incorporated	271
	TA8416F	SSOP 16-P-225A	8V 0.7A	Same as TA7745P/F, 2-hall sensor type, $V_{cc\ opr}=1.8$ to $7.2V$	336
	TA8422F	SSOP 10-P-225	8V 0.7A	Low-voltage low-noise 2-phase half-wave driver, $V_{cc\ opr}=1.2$ to $8.0V$	358
	TA8423P/F	DIP 16-P-300A HSOP 16-P-300	18V 1.2A	3-phase bi-directional driver, current control type, reference voltage generator for control amplifier incorporated, less external component type	363
	TA8424F	HSOP 20-P-450	18V 1.2A	Low-noise (quasi-sinusoidal) 3-phase bi-directional driver, current control type, FG amplifier incorporated	374
	TA8434F	HQFP 30-P-1010	18V 0.7A	3-phase bi-directional digital servo-type single-chip driver, semi-linear drive, used for FDD spindle motor	421
	TA8453AF	HQFP 30-P-1010	30V 1.2A	3-phase bi-directional digital PLL servo-type multichip driver IC	482
	TA8463F	HQFP 30-P-1010	8V 0.6A	3-phase bi-directional digital servo-type single-chip driver, semi-linear drive, used for FDD spindle motor	529
	TA8466F	HSOP 16-P-300	18V 0.7A	3-phase bi-directional driver, current control type, reference voltage generator for control amplifier incorporated, less external component type	547
	TD62M3600F	SSOP 10-P-225	10V 2A	Low saturation voltage large current, 3-phase half-wave connecting multichip IC, multichip IC of RN6006 x 3	738
	TD62M3601F	SSOP 10-P-225	30V 1.5A	Low saturation voltage large current, 3-phase half-wave connecting multichip IC, (2SA1203 (PNP Tr) x 3)	741
	TD62M3700F	SSOP 16-P-225A	30V 1.5A	Low saturation voltage, 3-phase full-wave connecting multichip IC (2SA1203 x 3, 2SC2883 x 3)	744
	TD62M3701F	SSOP 16-P-225A	10V 2A	Low saturation voltage, 3-phase full-wave connecting multichip IC (RN6006 x 3, RN5006 x 3)	748
	TD62M3702F	SSOP 16-P-225A	15V 2A	Low saturation voltage, 3-phase full-wave connecting multichip IC (2SA1314 x 3, 2SC2982 x 3)	753
Fan motor driver, controller (for hall motor)	TA8414P/F	DIP 8-P-300A SOP 8-P-225	33V 0.1A	Fan motor controller	320
	TA8420AF	SSOP 10-P-225	30V 1A	Fan motor driver, provided with FG output terminal	346

Equipment	Model	Package	Max. rating	Functions	Page
Fan motor driver, controller (for hall motor)	TA8421AF	SSOP 10-P-225	30V 1A	Fan motor driver, provided with motor condition check terminal	346
	TA8462F	SSOP 10-P-225	35V 1.5A	Fan motor driver, provided with FG and RD	523
	*TA8473F	SSOP 16-P-225A	30V 1.2A	Fan motor driver, Speed Change Type	554
Bridge driver (for linear actuator)	TA7256P	HSIP 10-P	±18V 0.5A	Dual-power operational amplifier	72
	TA7272P	HSIP 10-P	±18V 1.2A	Dual-power operational amplifier	112
	TA8102P	DIP 16-P-300A	15V 1.0A	Dual-power operational amplifier with boot strap	251
	TA8212F	HSOP 20-P-450	14.5V 0.7A	Quad-power operational amplifier	257
	TA8406P/F	DIP 16-P-300A HSOP 16-P-300	±18V 0.5A	Dual-power operational amplifier	287
	TA8407P/F	DIP 16-P-300A HSOP 16-P-300	±18V 1.2A	Dual-power operational amplifier	291
	TA8410P/F/K	DIP 16-P-300A HSOP 16-P-300 HSIP 10-P	±9V 0.6A	Dual-power operational amplifier	303
	TA8410AK	HSIP 10-P	±15V 0.6A	Dual-power operational amplifier	303
	TA8449P	HDIP 14-P-500A	±15V 0.6A	Quad-power operational amplifier	470
	TA8461F	SSOP 24-P-300B	30V 1.5A	Dual-power operational amplifier	515
	TA8464K	HSIP 10-P	±18V 1.2A	Dual-power operational amplifier	542
Bridge driver (switch type)	TA7257P	HSIP 7-P	25V 1.5A	Single-bridge driver	76
	TA7267BP	HSIP 7-P-A	25V 1.0A	Single-bridge driver	106
	TA7279P/AP	HDIP 14-P-500A	25V 1.0A x 2	Dual-bridge driver	117
	TA7288P	HSIP 10-P	25V 1.0A x 2	Sequential dual-bridge driver, output voltage control possible	139
	TA7291P/F/S	HSIP 10-P HSOP 16-P-300 SIP 9-P-A	25V P=1.0A S/F=0.4A	Single-bridge driver, output voltage control possible	156
	TA7354P	SIP 9-P-A	18V 0.2A	Single-bridge driver	163
	TA7733F	SSOP 16-P-225A	18V 0.5A	Low-voltage single-bridge driver, Vcc oprMIN=1.8V	201
	TA8400P	DIP 16-P-300A	25V 0.4A	Sequential dual-bridge driver, output voltage control possible	264
	TA8401F	SSOP 16-P-225A	18V 0.5A	Low-voltage single-bridge driver, Vcc oprMIN=1.8V	208
	TA8405S	SIP 9-P-A	25V 0.4A	Sequential dual-bridge driver	279

Equipment	Model	Package	Max. rating	Functions	Page
Bridge driver (switch type)	TA8409F/S	SSOP 10-P-225 SIP 9-P-A	25V 0.4A	Single-bridge driver, output voltage control possible	296
	TA8428K	HSIP 7-P	30V 1.5A	High voltage single-bridge driver	403
	TA8429H	HZIP 12-P-B	30V 3.0A	High voltage large current single-bridge driver, stand-by function incorporated	411
	TA8436AF	SOP 16-P-300A	8V 1.0A	Low On-Resistance MOSFET single-bridge driver	448
	*TA8440H	HZIP 12-P-B	50V 1.5A	High voltage single-bridge driver (PWM Type)	458
	TA8460F	QFP 32-P-0707	6V 0.3A	Low on-Resistance MOSFET dual-bridge driver (PWM Type)	508
	TD62M4700F	SSOP 16-P-225A	10V 2A	Low saturation voltage H-bridge (RN6006 x 2, RN5006 x 2)	757
	TD62M2701F	SSOP 16-P-225A	10V 2A	H-bridge (2SA1203 x 2 + RN5006 x 2)	728
	TD62M2702F	SSOP 16-P-225A	10V 2A	H-bridge, provided with Schottky diode (RN6006 x 2 + 2SC2982 x 2 + U1FWJ49 x 2)	733
Stepping motor driver	TA7289P/F	HDIP 14-P-500A HSOP 20-P-450	30V 0.7A	PWM type bi-directional drive, 4-bit built-in DAC, constant current type	146
	TA7774P/F	DIP 16-P-300A HSOP 16-P-300	17V 0.35A	2-phase bi-directional drive, power saving and stand-by functions incorporated	240
	TB6500AH	HZIP 25-P	30V 0.8A x 2 0.6A x 1	Facsimile system driver (serial input type PWM control), driving two 2-phase bi-directional stepping motors and one DC motor	565
	TA8415P	DIP 16-P-300A	28V 0.4A	3-phase/4-phase unipolar drive 1-phase, 2-phase and 1-2 phase excitation possible	326
	TA8425H	HZIP 25-P	40V 1.5A	PWM micro step sinusoidal drive, single chip, stepping motor driver	384
	TA8430AF	HSOP 16-P-300	8V 0.4A	2-phase bi-directional drive, 5V Single Powered Power saving and stand-by functions incorporated	416
	TA8435H	HZIP 25-P	40V 1.5A	Same as TA8425H, provided with reset terminal and monitor terminal	427
	TA8437F	SOP 20-P-300A	7V 0.3A	Low-voltage Low On-Resistance MOSFET 2-phase bi-directional stepping motor driver	453
	TA8459F	SOP 20-P-300A	6V 0.3A	Low-voltage Low On-Resistance MOSFET 2-phase bi-directional stepping motor driver	503
	TA8529F	HSOP 20-P-450	17V 0.5A	2-phase bi-directional drive. Low Satulation voltage	558
TB6504F	SSOP 24-P-300	10V 0.15A	Same as TA8435H, I _{out} = 0.15A	583	

Equipment	Model	Package	Max. rating	Functions	Page
Stepping motor driver	TD62064P/F /AP/BP-1	DIP 16-P-300A HSOP 16-P-300	P/F=35V AP=50V BP-1 = 80V 1.5A x 4	4-channel NPN Darlington transistor array (for unipolar motor)	667
	TD62083AP	DIP 18-P-300D	50V 0.5A x 8	8-channel NPN Darlington transistor array (for unipolar motor)	679
	TD62164 /AP/BP/AF	DIP 16-P-300A HSOP 16-P-300	AP/AF=50V BP=80V 0.7A x 4	4-channel NPN transistor array (for unipolar motor)	687
	TD62308AP /BP-1/F/AF	DIP 16-P-300A HSOP 16-P-300	F=35V AP/AF=50V BP-1 = 80V 1.5A x 4	4-channel NPN Darlington transistor array, PNP transistor input (for unipolar motor)	699
	TD62318AP /BP/AF	DIP 16-P-300A HSOP 16-P-300	AP/AF=50V BP=80V 0.7A x 4	4-channel NPN transistor array, PNP transistor input (for unipolar motor)	710
	TD62803P	DIP 16-P-600	28V 0.4A	Same as TA8415P (different package)	722
Other IC's	TA7363AP	SIP 7-P-A	—	Oil pump controller, auto-stop possible	167
	TA7768F	SOP 8-P-225	6V 0.75A	Electronic governor, V _{cc opr} =1.0 to 5.0V	237
	TD6303F	SSOP 16-P-300	7V 10mA	Low-voltage F-servo single-chip brush motor controller V _{cc opr} =1.8 to 6V	657

*Under development.