

APPLICATION SPECIFIC IC (CONTINUED)

Function	Type No.	Package Outline	Water Process	Features	Usage/Field
N-type Laser diode driver with self APC function	M66515FP	20P2N-A	High-speed Bip	<ul style="list-style-type: none"> Includes self APC circuit High-speed switching 40Mbps Permits bias current establishment 30mA 	<ul style="list-style-type: none"> Laser beam printer, communication, digital PPC
R-type Laser diode driver with self APC function	M66516FP	24P2N-B	High-speed Bip	<ul style="list-style-type: none"> Includes self APC circuit Permits bias current establishment 30mA 	
N-type Laser diode driver with self APC function	M61880FP	★ 20P2N-A	High-speed Bip	<ul style="list-style-type: none"> Includes self APC circuit High-speed switching 200Mbps Permits bias current establishment 40mA 	
CCD clock driver	M66700P/WP	8P4/16P4	High-speed Bip	<ul style="list-style-type: none"> Output amplitude 12V Can be directly driven by TTL High-speed operation 	<ul style="list-style-type: none"> Fax, digital PPC Driving CCD sensor of a scanner
	M66701P	8P4			
	M66705P/FP	16P4/16P2N-A			

13 CONTROL IC AND OTHERS

LCD CONTROLLERS AND DRIVERS

Application	Type No.	Function	Typical electrical characteristics				Package outline	Remarks
			V _{DD} (V)	V _{LCD} MAX (V)	I _{DD} (mA)	I _{LCD} MAX (μA)		
LCD Controllers and drivers	M50530-XXXFP	LCD Control with 256-Word RAM, 256 Character & LCD Drive with 40 Column, 32 Common	5	14	5	100	100P6	CMOS Standard ROM M50530-001FP
LCD Controllers and drivers	M50532-XXXFP	LCD Control with 256-Word RAM, 256 Character & LCD Drive with 50 Column, 32 Common	5	14	5	100	128P6D	CMOS Standard ROM M50532-002FP
LCD Driver	M50521FP	40 Channel LCD Drive (20ch+20ch)	5	14	1.5	100	60P6	CMOS
	M50524FP	80 Channel LCD Drive (40ch+40ch)	5	14	2	100	100P6	CMOS

DRIVER ICs

- Bipolar stepper motor drivers

Type No.	Circuit function	Typical electrical characteristics (T _a = 25°C)				Package outline	Remarks
		Supply voltage (V)	Low-level output current (mA)	High-level output current (mA)	Output with stand voltage (V)		
M54640P	Bipolar Stepper Motor Driver with Chopper Control of the phase current	24	20	800	45	16P4	
M54670P	Bipolar Stepper Motor Driver with Chopper Control of the 2-phase current	24	20	800	40	32P4B	
M54671SP	Bipolar Stepper Motor Driver with Chopper Control of the 2-phase current	12	20	1200	28	32P4B	
M54672SP	Bipolar Stepper Motor Driver with Chopper Control of the 2-phase current	12	20	1200	28	32P4B	

- Latched drivers

Type No.	Circuit function	Circuit format	Typical electrical characteristics (T _a = 25°C)				Package outline	Remarks
			Supply voltage (V)	Supply current (mA)	output with stand voltage (V)	High-level output current (mA)		
M54972P/FP	8-Bit Serial-Input Latched Driver	Bi-CMOS	5	6.0*	30	300	16P4/16P2N	
M54974P	12-Bit Serial-Input Latched Driver	Bi-CMOS	5	10*	30	400	22P4B-A	
M54975P/FP	8-Bit Serial-Input Latched Driver	Bi-CMOS	5	1.2*	30	300	16P4/16P2N	
M54977P	12-Bit Serial-Input Latched Driver	Bi-CMOS	5	1.0*	30	200	20P4	
M54992P/FP	24-Bit Serial-Input Latched Driver	Bi-CMOS	5	3.5*	30	100	36P4E/36P2R	
M54992AP	24-Bit Serial-Input Latched Driver	Bi-CMOS	5	3.5*	30	100	36P4E	
M54995P/FP	8-Bit Serial-Input Latched Driver	Bi-CMOS	5	2.5*	30	50	16P4/16P2N	
M56620AP	8-Bit Parallel-Input Latched Driver	Bi-CMOS	5	1.0*	50	350	22P4	

* : Output 1 = ON

- Short circuit protection drivers

Type No.	Function	Typical electrical characteristics			Package outline	Remarks
		Supply voltage (V)	Output with stand voltage (V)	Output current (A)		
M54630P	8-Unit 200mA Source Driver	30	30	-0.2	18P4	