

■ DISPLAY CONTROLLER

Type No.	Circuit function	Typical electrical characteristics			Package outline	Remarks
		Supply voltage (V)	Supply current (mA)	Max. frequency (MHz)		
M35000AFP	CRT & Color/Monochrome Flat Panel Control	5	100	25.175	128P6	
M64513AFP	Interface for AX System with M64500AFP	5	100	30	160P6	
M64542FP	Navigation Graphic Controller	5	105	28.636	160P6C	
M64545FP	★ Navigation Graphic Controller	3.3	—	33	128P6D	

11 DIG-ANA INTERFACE/GENERAL-PURPOSE LINEAR ICs

■ COMPARATORS

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
Comparator (Voltage comparator)	M51203TL/FP	Voltage Comparator	12	2	5P5/8P2S	V _{CC} = 28V
	M51204TL/FP	Voltage Comparator	12	1.8	5P5/8P2S	V _{CC} = 28V
	M51205TL/FP	Voltage Comparator	5	1.9	5P5/8P2S	Built in Vz= 5.6V
	M51206TL/FP	Voltage Comparator	5	1.8	5P5/8P2S	Built in Vz= 5.6V
	M51207L	Dual Voltage Comparator	12	3.8	8P5	V _{CC} = 28V
	M51209P	Quad Voltage Comparator	12	6.8	14P4	
	M51923P/FP	Dual Voltage Comparator	12	0.4 (At output OFF)	10P4/8P2S	V _{CC} = 28V
	M51924P/FP	Quad Voltage Comparator	12	0.8 (At output OFF)	14P4/14P2S	V _{CC} = 28V
	M5233L/P/FP	Dual Voltage Comparator	5	0.6	8P5/8P4/ 8P2S	V _{CC} = 36V
	M5234P/FP	Quad Voltage Comparator (Gnd Level Detector)	5	0.8	14P4/14P2S	V _{CC} = 36V
	M5239L	Voltage Comparator	5	0.45	5P5	Built-in M5233 V _{CC} = 36V
	M5249L/FP	Voltage Comparator (V _{CC} Level Detector)	5	0.3	5P5/8P2S	V _{IN} = 2~ V _{CC} +0.3V V _{CC} = 36V

■ POWER SUPPLIES

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
Constant Supply Voltage	M5230L/FP	Variable Output Voltage Regulator (Dual Tracking Type)	V _I ± 35 V _O ± 30	I _L = 30	8P5/8P2S	Positive and negative dual supply voltage
	M5231TL	Variable Output Voltage Regulator	V _I = 70 V _O = 50	I _L = 30	5P5	Positive single supply voltage
	M5237ML	Variable Output Voltage Regulator (3-Terminal Regulator Driver)	3.5 to 36	1.7	SOT-89	Low I/O voltage differential operation and drooping ledge- shaped protection circuit
	M5237L	Variable Output Voltage Regulator (3-Terminal Regulator Driver)	3.5 to 36	1.7	3P5 (TO-92L)	Low I/O voltage differential operation and drooping ledge- shaped protection circuit
	M5278LXX	3-Terminal Regulator (78LXX Series)	V _O = 5, 5.6, 8, 9, 10, 12, 15	I _L = 100	3P5 (TO-92L)	With load terminal short and drooping ledge- shaped protection circuit
	M5278LXXM	3-Terminal Regulator (78LXX Series)	V _O = 5, 5.6, 8, 9, 10, 12, 15	I _L = 100	SOT-89	With load terminal short and drooping ledge- shaped protection circuit
	M5279LXX	3-Terminal Regulator (79LXX Series) I _O = 150mA	V _O = 5 to 15 5types	I _L = 150	3P5 (TO-92L)	With load terminal short and drooping ledge- shaped protection circuit
	M5278DXX	3-Terminal Regulator (300mA Series)	V _O = 5 to 15 6types	I _L = 300	TO-220F	Low I/O voltage 1V Low power dissipation 1mA
	M5F78MXXL	3-Terminal Regulator (78MXX Series)	V _O = 5 to 24 11types	I _L = 500	TO-220F	High ripple elimination ratio Low output impedance
	M5F78XXL	3-Terminal Regulator (78XX Series)	V _O = 5 to 24 11types	I _L = 1000	TO-220F	High ripple elimination ratio Low output impedance
	M5N317L	3-Terminal Regulator (317type)	40	I _L = 1500	TO-220F	High ripple elimination ratio Low output impedance
	M5293L	Variable Output Voltage Regulator for FL Drive	-60	2	5P5	V _O = -32V ON/OFF control

X : Plan for production discontinue