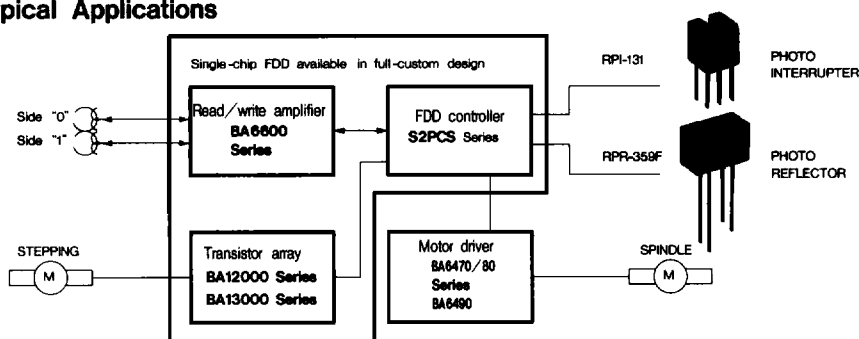


FDD

Block Diagram of Typical Applications



●Read/write amplifier

Part No.	Supply voltage range (V)	voltage to head	Power save	Filter	Writing current select	Feature		Package
BA6589K	5	12	○		1M/2M 2 stages Inner/Outer track 2 stages	TDF type		QFP44
BA6600K	5	5	○	Built-in	1M/1.6M/2M 3 stages Inner/Outer track 2~4 stages	Level alice type		QFP44
BA6607K	5	5	○	Built-in	1M/2M 2 stages Inner/Outer track 2~4 stages			QFP32
BA6608K	5	5	○	Built-in	1M/1M(F2)/1.6M/2M 4 stages Inner/Outer track 2~4 stages	TDF type	1MB, 1MB(F2), 1.6MB, 2MB(4Modes)	QFP32
BA6610AK	5	5	○	Built-in	1M/2M 2 stages Inner/Outer track 2~4 stages	TDF type	1MB, 1MB(F2), 1.6MB, 2MB(4Modes)	QFP32
BA6612K	5	5	○	Built-in	1M/2M/4M 3 stages Inner/Outer track 2~4 stages	TDF type	1MB, 1MB(F2), 1.6MB, 2MB, 4MB(5Modes)	QFP32
☆BH6620K	5	5	○	Built-in	1M/1M(F2)/1.6M/2M 4 stages Inner/Outer track 2~6 stages	TDF type	1MB, 1MB(F2), 1.6MB, 2MB(4Modes) With coupling capacitor, multi-stage filter	QFP32

Note : ☆ : Under development

●Spindle motor driver

Part No.	Supply voltage range (V)	Power dissipation Pd (mW)	Output current Io (A)	Stand-by circuit	Hall bias switch	Digital servo	Clock frequency (KHz)	Rotation speed select pin (rpm)			Package
								L	M	H	
BA6465FP-Y	Control block 4.25~5.5 Output block 3.0~20.0	1450	1.3	H:start	○						HSOP25
BA6473FP-Y	4.25~6.5	1450	1.0	L:start	○	○	460.8	300	600	360	HSOP25
BA6476AFP-Y	4.2~6.5	1450	1.0	L:start	○	○	1000.8	300		360	HSOP25
BA6479AFP-Y	4.2~6.5	1450	1.0	L:start	○	○	491.52	300		360	HSOP25
BA6485AFP-Y	4.2~6.5	1450	1.0	H:start	○	○	1000.8	300		360	HSOP25
BA6487AFP-Y	9.0~13.2	1450	1.0	H:start	○	○	1000.8	300		360	HSOP25
BA6491FS	4.2~6.5	600*	1.0	L:start	○	○	1000.8	300		360	SSOP-P32
BA6493K	2.6~6.5	400*	1.0	H:start	○						QFP32
BA6494K	2.6~6.5	400*	1.0	L:start	○	○	1000.8	330		360	QFP32
BA6495K	2.6~6.5	400*	1.0	L:start	○	○	983	300		360	QFP32
BA6496K	2.6~6.5	400*	1.0	L:start	○	○	1000.8	300		360	QFP32
BA6497K	2.6~6.5	400*	1.0	L:start	○	○	1000.8	300		360	QFP32
BA6498FS	2.6~6.5	600*	1.0	L:start	○	○	1000.8	300		360	SSOP-A32
BA6499K	2.6~6.5	400*	1.0	L:start	○	○	1000.8	300		360	QFP32
New BA6484FP-Y	4.2~6.5	1450	1.0	L:start	○	○	491.52	300		360	HSOP25
New BA6489FS	4.2~6.5	600*	1.0	L:start	○	○	491.52	300		360	SSOP-A32
New BA6477FS	4.2~6.5	600*	1.0	L:start	○	○	1000	300		360	SSOP-P32

Note : 1.The power dissipation data of BA6495K/BA6496K are measured in single unit.

●Spindle stepper motor driver

Part No.	Supply voltage range (V)	Function/Feature	Package
BA6480K	4.5~5.5	For 2" FDD. Hall-less spindle motor driver and stepper are integrated on a single chip. Stand-by mode.	QFP44

●Stepping motor driver

Part No.	Supply voltage range (V)	Power dissipation	Maximum output current	Output mode	TSD	Stand-by mode	Low saturation voltage output	Package
New BA6845FS	2.7~9.0	800	1000	FRS	○	○	○	SSOP-A16
New BA6846FV	2.7~9.0	500	500	FRS	○	○	○	SSOP14