

Microcomputer Peripheral Controller LSI

PRODUCT GUIDE

note) * shows new issue updated.

RTC Real Time Clocks

Group NAME	PARTS NAME	PACKAGE	FUNCTION SUMMARY	TECHNICAL DATA	PRODUCT STATUS
RTC-1	TC8250P	DIP16-P-300A	Real Time Clock for Micro Computer. Hour,minutes,second,month,day,day of the week and year count with leap year operation. Battery charging controller, 4-bit I/O port access type.	20-DEC-'85	Mass Production
	TC8250AP	DIP16-P-300A			
RTC-2A	TC8521AP	DIP18-P-300A	Real Time Clock for Micro Computer. Hour,minutes,second,month,day,day of the week and year count with leap year operation. Battery charging controller, 4-bit I/O CPU Direct. 26 x 4bit RAM.	*20-NOV-'89	Mass Production
	TC8521AM	SOP20-P-300			

DC Display Controllers

Group NAME	PARTS NAME	PACKAGE	FUNCTION SUMMARY	TECHNICAL DATA	PRODUCT STATUS
CRTC	TC8505AP	DIP40-P-600	Cathode Ray Tube Controller. MC68B45 Pin compatible CMOS LSI.	10-JAN-'86	Mass Production
	TC8505AF	QFP44-P-1414F			
LUT-1	TC8506M	SOP28-P-450	Look Up Table RAM with D/A Converter. 12Bit x 16word RAM. 4Bit D/A x 3 40MHz operation.	*28-JUN-'89	ES NOW CS NOW
LUT-2	TC8507P	DIP40-P-600	Look Up Table RAM with D/A Converter. 18Bit x 256word RAM. 6Bit D/A x 3 50MHz operation.	*24-AUG-'89 TENTATIVE	TS NOW ES '90/3Q
FGA-1	TC8511F	QFP144-P-2626	Font Graphic Accelerator	*25-JAN-'90 TENTATIVE	Mass Production
HSP-1	TC8512G	QFP144-G-2626	High Speed Shading Processor	*06-MAR-'90 TENTATIVE	TS NOW ES NOW
	TC8512YM	PGA144-M-S15U			

CC Communication Controllers

Group NAME	PARTS NAME	PACKAGE	FUNCTION SUMMARY	TECHNICAL DATA	PRODUCT STATUS
CPC	TC8576AF	QFP44-P-1414F	Combination Peripheral Controller. RS232C + BaudGEN + Printer Paralel I/O Paralel I/O : Input/Output Programmable.	10-JAN-'86	Mass Production
	TC8577AP	DIP40-P-600	Combination Peripheral Controller. RS232C + BaudGEN + Printer Paralel I/O Paralel I/O :Output mode.	10-JAN-'86	Mass Production
	TC8578AP	DIP40-P-600	Combination Peripheral Controller. RS232C + BaudGEN + Printer Paralel I/O Paralel I/O : Input mode.	10-JAN-'86	Mass Production
UART	TC8570AP TC8570AF	DIP40-P-600 QFP44-P-1414F	Universal Asynchronous R/T	06-APR-'89	Mass Production

ODC Optical Disk Controllers

Group NAME	PARTS NAME	PACKAGE	FUNCTION SUMMARY	TECHNICAL DATA	PRODUCT STATUS
LDC	TC8554F	QFP100-P-2222A	Error Correction Chip for Optical Disk	*10-AUG-'89	TS NOW ES NOW

HDC Hard Disk Controllers & Support Devices (PART 1)

Group NAME	PARTS NAME	PACKAGE	FUNCTION SUMMARY	TECHNICAL DATA	PRODUCT STATUS
HDC-1	T7518	QFP144-P-2626	Hard Disk Controller SASI system interface ST506/ESDI Disk Interface 10Mbps NRZ Disk I/O	31-AUG-'87	Mass Production
HDC-2	TC8561F	QFP144-P-2626	Hard Disk Controller SCSI system interface ST506/ESDI Disk Interface 12Mbps NRZ Disk I/O	*06-MAR-'90 TENTATIVE	Mass Production

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HDC Hard Disk Controllers & Support Devices (PART 2)

Group NAME	PARTS NAME	PACKAGE	FUNCTION SUMMARY	TECHNICAL DATA	PRODUCT STATUS
VFO-1	TC8563F-55	QFP60-P-1414D	VFO CIRCUIT for HDC 5Mbps NRZ/MFM, ENCODE/DECODE Adjust Free VCO, Delay-LINE ST506 Disk Format available.	*14-MAY-'89	Mass Production
	TC8563AF-88	QFP60-P-1414D	VFO CIRCUIT for HDC 10Mbps NRZ/MFM, NRZ/RLL2-7, ENCODE/DECODE 10Mbps Adjust Free VCO, Delay-LINE ST506 Disk Format.	14-MAR-'89	Mass Production
	TC8563AF-89	QFP60-P-1414D	VFO CIRCUIT for HDC 10Mbps NRZ/MFM, NRZ/RLL2-7, ENCODE/DECODE 10Mbps Adjust Free VCO, Delay-LINE ST506 Disk Format.	22-FEB-'89	Mass Production
VFO-2	TC8564AF	QFP60-P-1414D	VFO CIRCUIT for HDC 10Mbps NRZ/RLL2-7, ENCODE/DECODE 10Mbps Adjust Free VCO, Delay-LINE ESDI Disk Format.	*02-SEP-'89	Mass Production
BIA-1	TC8540F	QFP100-P-1420B	Bus Interface Adapter IBM PC/XT CPU Bus Interface 1.2Mbyte Host Data Transfer-rate.	*06-MAR-'90 TENTATIVE	ES available
BIA-2	TC85041F	QFP100-P-1420B	Bus Interface Adapter IBM PC/AT CPU Bus Interface. Built-in Sector Buffer RAM. 150nS Host Data Transfer-rate.	02-DEC-'88	ES available

FDC Floppy Disk Controllers & Support Devices

Group NAME					
	PARTS NAME	PACKAGE	FUNCTION SUMMARY	TECHNICAL DATA	PRODUCT STATUS
FDC-1	TC8565P TC8565F	DIP40-P-600 QFP44-P-1414F	Floppy Disk Controller 765 Compatible CMOS FDC.	10-DEC-'85	Mass Production
FDC-2	TC8566AF	QFP100-P-1420B	Floppy Disk Controller with VFO Circuit. TC8565 + Analog/PLL + IBM PC/XT compatible Host Interface Circuit.	08-FEB-'88	Mass Production
VFO	TC8568AM	SOP24-P-450B	Multi transfer-rate analog VFO for FDC PLL. 24MHz OSC: 500Kbps,300Kbps,250Kbps 16MHzOSC:500Kbps,250Kbps	*07-SEP-'89 TENTATIVE	Mass Production
FDC-3	TC8569AF	QFP80-P-1420	1 Chip type 1Mbps Data transfer Floppy Disk Controller with VFO Circuit. IBM PC/AT type of Host Interface Circuit.	*11-SEP-'89 TENTATIVE	Mass Production
FDC-3	TC85069F	QFP80-P-1420	Floppy Disk Controller with VFO Circuit. TC8565 + Analog/PLL + IBM PC/AT compatible Host Interface Circuit.	(MAY-'90)	ES available

FDMC Floppy Disk Mechanism Controllers

Group NAME					
	PARTS NAME	PACKAGE	FUNCTION SUMMARY	TECHNICAL DATA	PRODUCT STATUS
FDMC-4	TC8605F(C)	QFP60-P-1414A	Floppy Disk Mechanism Controller For 3.5 inch Micro Floppy Disk Drive.	*15-MAY-'89	Mass Production
	TC8607F	QFP60-P-1414A	Floppy Disk Mechanism Controller For 5.25 inch Micro Floppy Disk Drive.	*24-AUG-'89 TENTATIVE	Mass Production
FDMC-5	TC8606F-000	QFP60-P-1414A	Floppy Disk Mechanism Controller For 3.5 inch Micro Floppy Disk Drive with Bipolar Interface Driver.	(APR-'90)	ES '90/2Q
	TC8608F	QFP60-P-1414A	Floppy Disk Mechanism Controller For 5.25 inch Micro Floppy Disk Drive with Bipolar Interface Driver.	(JUN-'90)	ES '90/2Q
FDMC-9	TC8616F-000	QFP60-P-1414A	Floppy Disk Mechanism Controller For 3.5 inch 4MB. Perpendicular Magnetized Floppy Disk Drive.	(JUN-'90)	ES '90/3Q

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BP Board Products

NAME					
	CONSTRUCTION	DIMENSION	FUNCTION SUMMARY	TECHNICAL DATA	PRODUCT STATUS
FHDC200	HDD x 1	66.0mm x 112.0mm	Hard Disk Controller Board ST506 CMOS Disk Interface IBM PC/AT CPU Bus Interface	T.B.D.	Under Develop.
FHDC301	HDD x 1 FDD x 1	PC/AT Half size	Floppy Disk Controller + Hard Disk Controller Board IBM PC/AT CPU Bus Interface	T.B.D.	CS NOW
FHDC400	HDD x 1	65.0mm x 140.0mm	Hard Disk Controller Board ST506 CMOS Disk Interface IBM PC/XT CPU Bus Interface	27-JUL-'88 TENTATIVE	ES NOW
FHDC600	HDD x 2	89.0mm x 101.6mm	Hard Disk Controller Board ST506 CMOS Disk Interface SASI Interface	T.B.D.	Under Develop.
FHDC620	HDD x 1	100.0mm x 147.0mm	Hard Disk Controller Board ST506 CMOS Disk Interface SCSI Interface	T.B.D.	Under Develop.
FHDC601	HDD x 2	100.0mm x 125.0mm	Hard Disk Controller Board ST506 CMOS Disk Interface SASI Interface	T.B.D.	CS NOW
TBP9L03	HSP x 2	PC/AT Full size	Display Controller Board- I Multi-chip (2 chips) Gouraud Shading.	*06-MAR-'90 TENTATIVE	ES NOW