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MAC/PHY Controller
Single PHY Transceiver
Switch Controller
EPD Driver
Video Decoder

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MAC/PHY Controller										
Product	Interface			External Interface	Speed (copper)	MDI-X	Max. Current	Temperature Range		Package
	8/16-bit	32-bit	PCI					0°C - 70°C	-40°C - 85°C	
DM9000B	✓				10/100	✓	130 + 40*	✓	✓	LQFP 48
DM9010B	✓	✓		✓	10/100	✓	130 + 40*		✓	LQFP 100
DM9102H			✓	✓	10/100	✓	130 + 40*	✓	✓	LQFP 128

* with transformer

Single PHY Transceiver									
Product	Interface	Speed (copper)	Speed (fiber)	MDI-X	50 MHz RMII Clock	Max. Current	Temperature Range		Package
							0°C-70°C	-40°C-85°C	
DM9161A	✓/✓	10/100	100FX	✓		52 + 40*	✓		LQFP 48
DM9162	✓/✓	10/100	100FX	✓	✓	90 + 40*	✓	✓	LQFP 48 QFN-32
DM9111A	-/✓	10/100	100FX	✓	✓	58	✓	✓	QFN-24

* with transformer

Switch Controller													
Product	Interface					Speed (copper)	MDI-X PHY	Ports	STP	Temperature Range		Max. Current	Package
	8/16-bit	32-bit	PCI	MII/RMII	RGMI					0°C-70°C	-40°C-85°C		
DM8603				✓		10/100	2	2	✓ +RSTP	✓	✓	280 + 80*	LQFP 64
DM9006	✓					10/100	2	2	✓	✓	✓	280 + 80*	LQFP 64
DM9016	✓	✓		✓		10/100	2	3	✓	✓	✓	280 + 80*	LQFP 128
DM9106			✓	✓		10/100	2	3	✓	✓	✓	350 + 80*	LQFP 128
DM8806				✓	✓	10/100/ 1x 1000	5+1	4+2	✓ +RSTP	✓	✓	510 + 240*	QFP 128

* with transformer



EPD Driver										
Product	Segments	Common/ Background	EPD Voltage	Cascade	Temp. Range	Package				
						LFBGA/TFBGA	LQFP	COF Punch	Die	Wafer
DM130036	36 (38)*	1 (+1) / 1 (+1)	0/15/30V	max. 4	0°C - 70°C	64 pin	64 pin	159 pin	64 pin	✓
DM130120	120	1/1	0/15/30V	max. 4	0°C - 70°C	145 pin	176 pin	177 pin	146 pin	✓
DM130160	160	1/1	0/15/30V	max. 4	0°C - 70°C			239 pin	186 pin	✓
DM130256	256	1/1	0/15/30V	max. 4	0°C - 70°C			✓	281 pin	✓

Product	Segments	Common/ Background	EPD Voltage	MCU	MASK ROM	RAM	STACK RAM			
DM120C16E	120	1/1	0/15/30V	8-bit	16 kB	1 kB	256 B	✓	✓	✓

* One of common and background pins can be programmed as additional driving pin, therefore the total driven segments will be 38.

Video Decoder								
Product	Channel	Mixer	Resolution	Video ADC's	Audio ADC/DAC	Fast switch	Power consumption (operation)	Package
							mW	
DM5150	1		720H	2x 10 bit			< 150	LQFP-32
DM5160	1		960H / 720H	2x 10 bit			< 150	LQFP-32
DM5900	1		720H	2x 10 bit		✓	< 150	LQFP-32 QFN-32
DM5960	1		960H / 720H	2x 10 bit		✓	< 150	LQFP-32
DM5865	4		720H	2x 10 bit	5 / 1	✓	< 500	LQFP-128
DM5866	4		960H / 720H	2x 10 bit	5 / 1	✓	< 500	LQFP-128
DM5885	4	2 SD / 1HD	720H	2x 10 bit	5 / 1	✓	< 953	LQFP-128
DM5886	4	2 SD / 1HD	960H / 720H	2x 10 bit	5 / 1	✓	< 1190	LQFP-128

