

# LOGIC PRODUCTS MEMO

28 June 1972

You recently received from us an inquiry relative to your degree of interest in negative logic modules. Total user response clearly indicated the continuing need for these modules to update or expand older DIGITAL computers, and we are proud to offer full support to even our earliest systems.

Enclosed with this letter is a summary of the negative logic modules available for each appropriate PDP model. We hope this summary will assist you in maximizing the efficiency of your DIGITAL computer.

Sales Support Manager  
Computer Logic Products

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R SERIES

TYPE	DESCRIPTION	PDP-7	LINC-8	PDP-8	PDP-8/S	PDP-9	PDP-9/L	PDP-10
R001	Diode Network		X		X			X
R002	Diode Network	X	X	X	X	X	X	X
R012	Diode Cluster				X			
R107	Inverter	X	X	X			X	X
R111	Expandable NAND/NOR	X	X		X	X	X	X
R113	NAND/NOR Gate		X		X			X
R121	NAND/NOR Gate			X		X		
R122	NAND/NOR Gate		X					
R123	Input Bus Gate		X			X	X	X
R131	Exclusive OR							
R141	AND/NOR Gate	X	X				X	X
R151	Octal Decoder		X		X			X
R181	Dc Carry Chain		X					X
R200	Flip-Flop							
R201	Flip-Flop	X	X					X
R202	Dual Flip-Flop	X	X	X	X			X
R203	Triple Flip-Flop	X	X					X
R204	Quad Flip-Flop		X					
R205	Dual Flip-Flop		X					X
R210	PDP-8 Accumulator		X	X				
R211	MA, MB, PA, PDP-8		X	X				
R212	MQ Reg. PDP-8		X					
R220	3-Bit Shift Register			X				X
R284	Quadraflop							
R302	Dual Delay Multivibrator	X	X	X	X	X	X	X
R303	Integrating One-Shot		X			X		X
R401	Variable Clock		X	X	X	X	X	X
R405	Crystal Clock			X				X
R406	Crystal Clock						X	
R407	PDP-9 Parity Crystal Clock							
R408	MHz Clock, 1.3 MHz							
R409	MHz Clock, 1 MHz					X		
R450	Variable Clock					X	X	
R451	Variable Clock							X
R601	Pulse Amplifier	X	X					X
R602	Pulse Amplifier	X	X		X			X
R603	Pulse Amplifier	X	X		X			X
R613	Pulse Amplifier		X					X
R650	Bus Driver	X		X				



B SERIES

TYPE	DESCRIPTION	PDP-7	LINC-8	PDP-8	PDP-9	PDP-9/L	PDP-10
B104	Inverter	x		x	x	x	
B105	Inverter	x			x	x	
B113	NAND/NOR Gate	x				x	x
B115	NAND/NOR Gate	x	x				x
B117	NAND/NOR Gate	x	x				x
B123	Inverter						
B124	Inverter	x					
B129	Inverter						
B130	3-Bit Parity						x
B131	Adder				x	x	
B132	LINC Adder				x	x	
B133	Diode Gate				x	x	x
B134	Diode Gate						x
B135	Diode Gate						x
B136	Diode Gate						
B137	Diode Gate						x
B138	Adder						x
B141	Diode Gate				x	x	x
B142	Diode Gate						
B152	Binary/Octal Decoder						x
B155	Half-Binary Decoder						x
B156	Diode Gate						x
B163	Diode Gate						x
B165	Diode Gate						x
B166	Counting Gate						x
B167	Diode Gate						x
B168	Diode Gate						x
B169	Inverter				x	x	x
B171	NAND/NOR Gate	x	x				x
B172	Diode Gate						x
B198	Protection Comparator						x
B199	FM Address Decoder						x
B200	Flip-Flop						
B201	Flip-Flop	x					
B204	Quad Flip-Flop	x		x			x
B210	Expanded B201	x					
B211	Flip-Flop						x
B212	Dual R-S Flip-Flop						x
B213	Flip-Flop				x	x	
B214	Four Flip-Flops						x

B SERIES (continued)

TYPE	DESCRIPTION	PDP-7	LINC-8	PDP-8	PDP-9	PDP-9/L	PDP-10
B250	FM Module						X
B301	Delay				X	X	
B310	Delay				X	X	
B311	Tapped Delay Line						X
B312	Variable Delay Line						X
B360	Delay with PA	X		X	X	X	X
B401	Variable Clock						
B405	Crystal Clock						X
B410	Voltage-controlled Clock						X
B602	Pulse Amplifier	X		X	X	X	X
B611	Pulse Amplifier						X
B620	Carry Pulse Amplifier	X					
B681	Power Inverter						X
B682	H Bus Driver						
B683	500-HM Bus Driver						X
B684	Bus Driver	X		X			X
B685	Diode Gate Driver						X



W SERIES (continued)

TYPE	DESCRIPTION	PDP-8	LINC-8	PDP-8	PDP-8/S	PDP-8/I	PDP-9	PDP-9/L	PDP-10
W102	Pulsed Bus Transceiver								X
W103	Device Selector								
W104	Multiplexer Control						X		
W107	I/O Bus Receiver						X		X
W108	Decoding Driver				X				
W109	Device Selector								
W250	Indicator out Connflex pin								
W301	Delay Line						X	X	X
W500	High Impedance Follower		X	X			X		
W501	Level Converter Schmitt Trigger	X	X	X	X		X		X
W502	Photon-coupled Trigger								
W504	Initial Transient Detector								X
W505	Low-voltage Detector						X	X	X
W506	Power Monitor				X				
W510	Positive Level Converter								X
W511	Negative Level Converter								X
W512	Positive Level Converter								X
W513	Level Amplifier								X
W514	Positive Level Converter								X
W520	Comparator						X		X
W532	Dual Amplifiers				X				X
W533	Dual Rectifying Slicer				X				X
W570	Input Converter								
W590	IBM Line/DEC Converter								
W591	Pos. Bus to DEC Converter								X
W592	IBM360 to DEC Receiver								X
W594	IBM to DEC (INV) Bus Receiver								
W600	Negative Level Amplifier								X
W601	Positive Level Amplifier								X
W602	Bipolar Level Amplifier								X
W603	Positive Level Amplifier								
W605	Line Driver		X						
W607	Pulse Amplifier	X		X					X
W612	Pulse Amplifier			X			X	X	
W640	Pulse Amplifier	X	X	X	X				







S SERIES

TYPE	DESCRIPTION	PDP-7	LINC-8	PDP-8	PDP-9	PDP-9/L	PDP-10
S107	Inverter		X	X	X	X	X
S111	Diode Gate		X	X			X
S113	Diode Gate	X					
S123	Diode Gate						
S151	Binary/Octal Decoder			X			X
S181	dc Carry Chain			X			X
S202	Dual Flip-Flop		X	X	X	X	X
S203	Triple Flip-Flop		X	X	X	X	X
S205	Dual Flip-Flop		X	X	X	X	X
S206	Flip-Flop				X	X	
S284	Quad Flip-Flop			X			
S602	Pulse Amplifier		X	X	X	X	X
S603	Pulse Amplifier		X	X	X	X	X
S623	Pulse Amplifier						

