

DIMI-A LOGIC BOARD			
BILL OF MATERIALS REV 1.0			
Value	Parts	Qty	Description
120p/SOT	_C1	1	CERAMIC 5MM
100n/SOT	_C2	1	CERAMIC 5MM
10u/SOT	_C3	1	CERAMIC 5MM
10n/100n	Y1, Y2, Y3, Y4, Y5, Y6, Y7, Y8, Y9, Y10, Y11, Y12, Y13, Y14, Y15, Y16, Y17, Y18, Y19, Y20, Y21, Y22, Y23, Y24, Y25, Y26, Y27, Y28, Y29, Y30, Y31, Y32, Y33, Y34, Y35, Y36, Y37, Y38, Y39, Y40, Y41, Y42, Y43, Y44, Y45, Y46, Y47, Y48, Y49, Y50, Y51, Y52, Y53, Y54, Y55, Y56, Y57, Y58, Y59, Y60, Y61, Y62, Y63, Y64, Y65, Y66, Y67, Y68, Y69, Y70, Y71, Y72, Y73, Y74, Y75, Y76, Y77, Y78, Y79, Y80, Y81, Y82, Y83, Y84, Y85, Y86, Y87, Y88, Y89, Y90, Y91, Y92, Y93, Y94, Y95, Y96	96	CERAMIC 5MM
0R	R1, R2, R3, R4, R5	5	
7400N	A7, A9, A12, A13, B2, B3, B4, B7, B12, B13, C3, C7, C12, C13, D7, D12, D13, E2, E4, E7, F13, F14, H8, J5, A15, B15, C15, D15	28	Quad 2-input NAND gate
7402N	D6, F4, H9, H12	4	Quad 2-input NOR gate
7403N	F15	1	Quad 2-input NAND gate, open collector output
7404N	A4, A11, B10, B11, C11, D10, D11, F12, H7, K4	10	Hex INVERTER
7405N	B6	1	Hex INVERTER, open collector
7410N	H15, K11, L14	3	Triple 3-input NAND gate
74118N	A5, K5, K6	3	Hex set-reset latch
74121N	D3, E3, F9	3	Monostable MULTIVIBRATOR, schmitt trigger inputs
74151N	F2, G2, G13, G14, H3, H6, H10, H11, J1, J2, J3, J4, J11, J12, K8	15	Data SELECTOR/MULTIPLEXER
74153N	C1, C2, D1, D2	4	Dual 4-line to 1-line data SELECTOR/MULTIPLEXER
74193N	F3, F7	2	Synchronous 4-bit up down COUNTER
7420N	A3	1	Dual 4-input NAND gate
7426N	A14, B14, C14, D14	4	Quad 2-input high voltage interface NAND gate
7430N	C9, L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12	13	8-input NAND gate
7440N	C4, C6, D8, D9, E12, E13, K7, G8, G9	9	Dual 4-input NAND gate
7442N	E5, E6	2	4-line to 10-line DECODER (1-of-10)
7445N	K9, K15, L15	3	BCD to decimal DECODER/DRIVER
7451N	E8, E9, E10, E11, J13, K14, G15	6	AND-OR-INVERT gates/for S-type see 74S51
7473N	D4, E14, G12, J14, J15, K1, K2, K3	8	Dual J-K FLIP FLOP, clear
7474N	K12	1	Dual D type positive edge triggered FLIP FLOP, preset and clear
7475N	F5, F6, G3, G4, G5, G6, G7, G10, G11, H13, H14, J6, J7, J8, J9, J10, B5, C5, D5	19	4-bit bistable LATCH
7486N	B8, B9, C8	3	Quad 2-input EXCLUSIVE-OR (XOR) gate

7490N	F10, F11	2	Decade, divide by twelve and binary COUNTER
7491N	K10, K13	2	8-bit SHIFT REGISTER
7493N	F1, G1, H1, H2, H4, H5, M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, E1, E15	32	Decade, divide by twelve and binary COUNTER
75471P	A1, A1_, B1, B1_	4	
DIP16	A2_BLUE, A6_YELLOW, A10_RED	3	DIP16 RIBBON