

Arescom INC.

Part Number: 230ND1700MV4

Description : NetDSL1760 Main Board

Released: 08/20/01 14:00 USA

Revision: V.4

By: Hubert

No	Part Number	Specification	Location	Qty	Process	Manufacturer / Part No
1	109000000108	PCB /NetDSL1700_Main ver 3.0		1	CAM	
2	101040000127	CAP 0.01U /SMD 0805 16v +-10% X7R	C33,C34	2	SMD	
3	101040000039	CAP 0.1U /SMD 0805 50v +-20% Y5V	C13,C14,C15,C21,C23,C24,C25,C26,C27,C28, C29,C30,C31,C32,C35,C36,C37,C38,C39,C41, C42,C44,C46,C50,C71,C73,C0110,C0111,C0112, C0115,C0601,C801,C802,C803,C804,C805,C806, C807,C808	39	SMD	
4	102040000006	CAP 10U Electrolytic /Dip 16v +-20% size=4x7mm, 105 degree	C17,C19,C47,C48,C49,C51,C53,C70,C72,C800	10	DIP	
5	102040000024	CAP 0.001U /DIP 1Kv +-10%, PPN	C3	1	DIP	NF102J3A 10
6	102040000008	CAP 100U Electrolytic /Dip 25v +-20% 105 degree size:6x11mm	C0101	1	DIP	
7	101040000052	CAP 10P /SMD 0805 50v +-10% NPO	C43,C45	2	SMD	
8	101040000025	CAP 30P /SMD 0805 50v +-10% NPO	C20,C22	2	SMD	
9	101040000002	CAP 100P /SMD 0805 50v +-10% X7R	C7,C9	2	SMD	
10	102040000009	CAP 470U Electrolytic /Dip 16v +-20% 105 degree size:8x11mm	C5,C12,C52	3	DIP	
11	102040000039	CAP 47U Electrolytic /DIP 16v +-20% 105 degree size 5x7mm	C0103,C0108,C0113,C0114	4	DIP	
12	101040000015	CAP 0.047U /SMD 0805 50v +-5% X7R	C57	1	SMD	
13	101040000197	CAP 0.0047U /SMD 0805 50v +-5% X7R	C58	1	SMD	
14	101040000056	CAP 6800P /SMD 0805 50v +-5% X7R	C40	1	SMD	
15	102060000018	DIO P6KE20A /Dip	D0101	1	DIP	
16	101060000001	DIO 1N4148 /SMD 0805	D0102	1	SMD	
17	102060000003	DIO 1N5819 /Dip	D0103,D0104	2	DIP	
18	102100000008	LED / W:4.7 +-0.2mm H:7.3 +-0.3mm /Green /Round / Flangeless/Dip /Right Angle	LD1,LD3,LD4,LD5	4	DIP	
19	102100000009	LED / W:4.7 +-0.2mm H:7.3 +-0.3mm /Yellow /Round / Flangeless/Dip /Right Angle	LD2	1	DIP	
20	102090000005	FUSE 230.75 /0.75-AMP; 2AG-SLO-BLO /Dip	F1,F2	2	DIP	LittleFuse 230.75
21	102020000115	CON PCMCIA HEADER w/ 4 Screws /Dip	J1	1	DIP	Leoco Corp. 1279STC*H0V

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22	102020000092	CON HEADER 2x1 /Dip H:11.7mm /pitch:2.54mm /Profile H:5.0mm	JP1	1	DIP	Amphenol G800306018A
23	102020000050	CON HEADER 5x2 /Dip H:11.7mm /pitch:2.54mm	J3	1	DIP	
24	102020000090	CON HEADER 19x2 /Dip H:11.7mm /Pitch:2.54mm /Profile H:5.0mm	CN1,CN2	2	DIP	Amphenol G800577018A
25	102020000001	CON RJ11 50u in. (6p4c/4pin) /Dip	P3	1	DIP	
26	102020000061	CON RJ45 50u in.(8p8c/8pin) Low Profile (Shield) /Dip	P1	1	DIP	
27	102020000003	CON JACK Narrow Axis /2.0mm Power Conn /Dip	J2	1	DIP	
28	101180000012	IND FB-1 Ferrite Bead /SMD 0805	L1,L2,L3,L5,L6,L7,L8,L800	8	SMD	
29	101180000018 101180000027	IND 3.3U +-5% /SMD 1210 >200mA	L0110,L0111	2	SMD	NLC1210-3R3M Cal Chip NL3225T-3R3J
30	102180000013	IND FB Ferrite Bead /Dip	L0112,L0113	2	DIP	Gotop R6H-Y7-3.0
31	102180000002	IND FB-1 Ferrite Bead /Dip 3.5X6X0.65mm	L4	1	DIP	
32		IND B2013 /Common Mode Choke /SMD	L702	1	SMD	101180000008 Pulse B2013
		IND DT35-8801 /Common Mode Choke /Dip	L701	1	DIP	102180000010 Delta DT35-8801
		IND PE-65855 /Common Mode Choke /SMD	L703	1	SMD	101180000036 Pulse PE-65855
33	101030000008	RES 4.7K /SMD 0805 1/8w +-5%	R6,R7,R12,R13,R16,R21,R27,R51,R52,R58,R59, R68,R200,R201,R202,R203,R204,R205,R602,R6 03, R701,R0801	22	SMD	
34	101030000009	RES 10K /SMD 0805 1/8w +-5%	R19,R22,R24,R25,R28,R29,R30,R33,R34,R37, R38,R41,R42,R45,R46,R47,R48,R49,R50,R53	20	SMD	
35	101030000028	RES 33 /SMD 0805 1/8w +-5%	R2,R23,R31,R44,R606,R607	6	SMD	
36	101030000001	RES 0 /SMD 0805 1/8w +-5%	C1,L20,L21,L22,L23,L24,L25,L70,L71,L72,L73,L 74,L75,R18,R26,R40,R0105,R0711,R750	19	SMD	
37	101030000026	RES 10 /SMD 0805 1/8w +-5%	R23,R31,R35	3	SMD	
38	101030000095	RES 62 /SMD 0805 1/8w +-1%	R4,R5	2	SMD	
39	101030000030	RES 100 /SMD 0805 1/8w +-5%	R64,R66,R67,R69,R70,R72,R79,R80,R81,R82, R83,R84,R85,R604,R802,R804	16	SMD	
40	101030000031	RES 150 /SMD 0805 1/8w +-5%	R35,R57,R151,R152,R153	5	SMD	

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41	101030000007	RES 2K /SMD 0805 1/8w +-5%	R65	1	SMD	
42	101030000176	RES 9.53K /SMD 0805 1/8w +-1%	R0103	1	SMD	
43	101030000006	RES 1K /SMD 0805 1/8w +-5%	R8,R9,R11,R17,R20,R39,R43	7	SMD	
44	101030000190	RES 1.5K /SMD 0805 1/8w +-5%	R601	1	SMD	
45	101030000175	RES 2.49K /SMD 0805 1/8w +-1%	R0104	1	SMD	
46	101030000089	RES 49.9 /SMD 0805 1/8w +-1%	R3,R10	2	SMD	
47	101030000178	RES 27.4K /SMD 0805 1/8w +-1%	R0101	1	SMD	
48	101030000090	RES 330K /SMD 0805 1/8w +-5%	R54	1	SMD	
49	101030000177	RES 237K /SMD 0805 1/8w +-1%	R0102	1	SMD	
50	101030000044	RES 10M /SMD 0805 1/8w +-5%	R55,R56	2	SMD	
51	102030000016	RES 1/Dip 3W, METAL-OXIDE, +-5%	R14,R15	2	DIP	
52	101190000004	RESP 10K-10A 10p 8R/Common Res Network /SMD	RP1,RP2,RP3,RP4,RP5,RP6,RP7	7	SMD	
53	102110000006	SWT Mini Rocker Power Switch	SW1	1	DIP	
54	101050000008	XFMR LPE-4841-100MB	T0101	1	SMD	GoTop Technology GTX-201
55	102160000005	DIO P3002AB /SIDACTOR (280V-320V) /Dip	VR1	1	DIP	
56	101010000140	IC LT1377CS8 /SMD	U10	1	SMD	Linear Technology
57	101010000110	IC CPU MOT850 /PBGA JEDEC	U6	1	BGA	Motorola XPC850SRZT50B
58	101010000116	IC 74LCX125 /SMD SOIC-14	U702,U800	2	SMD	
59	101010000132	IC 74LCX245 /SMD TSSOP-20	U7,U701,U802,U803,U804,U807,U808	7	SMD	
60	101010000099	IC Flash Memory 1MB /SMD TSOP, Speed 1k refresh, 5v	U5	1	SMD	Intel E28F008S5-085
61	101010000111	IC DS1233AZ-10 /SMD SOT-223	U12	1	SMD	Dallas Semiconductor
62	101010000115	IC MTD214 /SMD SOJ-28 300mil	U4	1	SMD	Myson Technology
63	101010000272	IC 74LVQ273 /SMD SOIC-20	U603	1	SMD	
64	102010000052	IC 16PT-12D /Dip	U2	1	DIP	YCL
65	101010000109	IC SDRAM 1Mx16 /SMD TSOP-50	U8,U9	2	SMD	ESMT M12L16161A-7T
66	102230000009	OSC 4MHZ /Half Size /Dip O/P 3.3v	OSC1	1	DIP	
67	102230000004	OSC 34.56M /3.3V-OSC-34.56MHZ-25PPM /Dip	U703	1	DIP	Bomar B1425CAMH3-34.56000MHZ
68	102170000004	XTAL 32.768K T38 /Tuning Fork Size /Dip	Y1	1	DIP	
69	102170000012	XTAL 20M 49US /11.1X4.6/3.5 /DIP	X1	1	DIP	
70	102150000012	PLASTIC SPACER SUPPORT	HR	2	DIP	"Pin Good" 8mm SPACER MCF-8

Remark:

The default BOM must use L1084 solution. If the L1084 component is not available, please use the Linear Technology solution.

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*Item 32 purchase priority as follow 1)Pulse B2013, 2)Delta DT35-8801, 3)Pulse PE-65855

L1084 Solution:

71	102040000030	CAP 22U Electrolytic /DIP 16v +-20% 105 degree size 4x7	C56,C150	2	DIP	
72	101030000139	RES 115 /SMD 0805 1/8w +-1%	R63	1	SMD	
73	101030000004	RES 68.1 /SMD 0805 1/8w +-1%	R62	1	SMD	
74	101010000104	IC L1084S, 5v to 3.3v Regulator /SMD	Q1	1	SMD	Ecenter L1084S

Linear Technology Solution:

75	101010000191	IC LT1764 /SMD DD Package	U100	1	SMD	Linear Technology LT1764EQ-3.3V
76	101120000004	XTOR 2N3904 /SMD NPN	Q101,Q102	2	SMD	
77	101030000001	RES 0 /SMD 0805 1/8w +-5%	R105	1	SMD	
78	101030000242	RES 82K /SMD 0805 1/8w +-1%	R103	1	SMD	
79	101030000241	RES 16K /SMD 0805 1/8w +-1%	R104	1	SMD	
80	101030000021	RES 430K /SMD 0805 1/8w +-5%	R100	1	SMD	
81	101030000045	RES 100K /SMD 0805 1/8w +-5%	R101	1	SMD	
81	102040000077	CAP 1U Electrolytic /Dip 16v +-20% size=4x7mm, 105 degree	C100	1	DIP	

Note:

The difference between v2 and v3 as follow:

- 1)PCB version changes from v2 to v3
- 2)Delete location R602 from resistor 4.7K 0805 5%
- 3)Delete stopper for PCMCIA card
- 4)Add 2 plastic spacers support for main board to PHY card
- 5)Add right angle to LED spec