









F200	3 Amp Fuse	Fuse, 3A 125V Fast Nano SMF	R451 003 (?)	Littlefuse
F400	10 Amp Fuse	Fuse, 10A 125V Fast Nano SMF	R451 010	Littlefuse
F600	10 Amp Fuse	Fuse, 10A 125V Fast Nano SMF	R451 010	Littlefuse
J1	3X32_CONN	Conn, 96 pin Rt/A Male VME	650947-5	Tyco - AMP
J2	5X32_CONN	Conn, 160 pin Rt/A Male DIN41612	02.01.160.2102	Harting
J3	3X32_CONN	Conn, 96 pin Rt/A Male VME	650947-5	Tyco - AMP
J4	4 pin SMT header	Conn 4 pos Vert Header 0.1" pitch	TSM-102-04-L-DV	Samtec
J6	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1	Tyco - AMP
J7	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1	Tyco - AMP
J8	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1	Tyco - AMP
J9	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1	Tyco - AMP
J10	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1	Tyco - AMP
J11	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1	Tyco - AMP
J12	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1	Tyco - AMP
J13	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1	Tyco - AMP
J15	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV	Samtec
J16	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV	Samtec
J17	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV	Samtec
J18	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV	Samtec
J19	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV	Samtec
J20	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV	Samtec
J21	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV	Samtec
J22	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1	Tyco - AMP
J23	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV	Samtec
J24	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV	Samtec
J25	8 pin thru hole RJ45	RJ45 Low Profile (No Shield)	RJ45-8N-S	Corcom
J26	8 pin vertical, thru-hole header	Conn, 8 pos, Vert Header 0.1" pitch	10-89-1801	Waldom/DigiKey
J27	2mm header - Parallel 4 download	Conn, 14 pos, Vert Shrouded Header 2mm pitch	87332-1420	Molex
J28	2 pin Rt Angle header	Conn, 2 pos, RtAngle header 3.96mm pitch	9752024	Molex
J30	8 pin vertical, thru-hole header	Conn, 8 pos, Vert Header 0.1" pitch	10-89-1801	Waldom/DigiKey
J32	18 pin vertical, thru-hole header	Multilinx - 18 pos, Vert header 0.1" pitch	10-89-1801	Waldom/DigiKey
L200	CHOKE	Thru hole choke	CHOKE/600X.200/.034	
L400	CHOKE	Thru hole choke	CHOKE/600X.200/.034	
L600	CHOKE	Thru hole choke	CHOKE/600X.200/.034	
LED1	Red LED Vert. Thru hole	LED, 2mm 5V vert. Red PC MNT	555-3007	Dialight
LED2	Red LED Vert. Thru hole	LED, 2mm 5V vert. Red PC MNT	555-3007	Dialight
LED3	Red LED Vert. Thru hole	LED, 2mm 5V vert. Red PC MNT	555-3007	Dialight
LED4	Red LED Vert. Thru hole	LED, 2mm 5V vert. Red PC MNT	555-3007	Dialight
LED5	Red LED Vert. Thru hole	LED, 2mm 5V vert. Red PC MNT	555-3007	Dialight
LED6	Red LED Vert. Thru hole	LED, 2mm 5V vert. Red PC MNT	555-3007	Dialight
LED7	Red LED Vert. Thru hole	LED, 2mm 5V vert. Red PC MNT	555-3007	Dialight
LED8	Red LED Vert. Thru hole	LED, 2mm 5V vert. Red PC MNT	555-3007	Dialight
Q1	2N3904	Transistor SM NPN (2N3904) - Taped	MMBT3904LT1 SOT-23	ON Semiconductor
Q200	2N3904	Transistor SM NPN (2N3904) - Taped	MMBT3904LT1 SOT-23	ON Semiconductor
Q400	2N3904	Transistor SM NPN (2N3904) - Taped	MMBT3904LT1 SOT-23	ON Semiconductor
Q600	2N3904	Transistor SM NPN (2N3904) - Taped	MMBT3904LT1 SOT-23	ON Semiconductor
R1	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R2	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R3	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R4	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R5	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R6	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R7	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R8	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R9	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R10	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R11	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R12	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R13	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R14	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R15	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R16	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R17	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R18	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R19	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R20	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R21	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R22	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R23	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R24	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R25	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R26	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R27	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R28	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R29	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R30	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R31	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R32	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R33	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer
R34	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J	KOA Speer







ZPD V2 Parts List

R370	4.7K	Res, 4.7K ohm 5% 1/10W 0603	RM73B1J472J	KOA Speer
R371	4.7K	Res, 4.7K ohm 5% 1/10W 0603	RM73B1J472J	KOA Speer
R372	4.7K	Res, 4.7K ohm 5% 1/10W 0603	RM73B1J472J	KOA Speer
R373	4.7K	Res, 4.7K ohm 5% 1/10W 0603	RM73B1J472J	KOA Speer
R380	4.7K	Res, 4.7K ohm 5% 1/10W 0603	RM73B1J472J	KOA Speer
R381	4.7K	Res, 4.7K ohm 5% 1/10W 0603	RM73B1J472J	KOA Speer
R382	4.7K	Res, 4.7K ohm 5% 1/10W 0603	RM73B1J472J	KOA Speer
R400	omit			
R401	omit			
R402	100 ohm	Res, 100 ohm 5% 1/10W 0603	RM73B1J101J	KOA Speer
R404	300 ohm	Res, 300 ohm 5% 1/10W 0603	RM73B1J301J	KOA Speer
R405	omit			
R600	omit			
R601	omit			
R602	100 ohm	Res, 100 ohm 5% 1/10W 0603	RM73B1J101J	KOA Speer
R604	300 ohm	Res, 300 ohm 5% 1/10W 0603	RM73B1J301J	KOA Speer
R605	omit			
REG200	LM1085-ADJ	LM1085-ADJ	3_3VREGULATOR - thru hole	
SW1	SW PUSHBUTTON	Momentary Switch	EP11SD1ABE	C&K Pushbutton Switches
SW2	BCD switch		A6A-10R	Omron
U1	XV2_FF1152_3K	XV2_FF1152_3K		
U2	XV2_FF1152_4K	XV2_FF1152_4K		
U3	XV2_FF1152_4K	XV2_FF1152_4K		
U4	XV2_FF1152_4K	XV2_FF1152_4K		
U5	XV2_FF1152_4K	XV2_FF1152_4K		
U6	XV2_FF1152_4K	XV2_FF1152_4K		
U7	XV2_FF1152_4K	XV2_FF1152_4K		
U8	XV2_FF896_2K	XV2_FF896_2K		
U10	3.3V_OCTALBUFFER	N74LVT244BDW	Tube Part number	
U11	3.3V_OCTALBUFFER	N74LVT244BDW		
U14	TIA/EIA-232 3x5 Driver/Receiver	DS14C335	DS14C335MSA	National Semiconductor
U15	UNR-1.5/10-D5T	UNR-1.5/10-D	UNR-1.5/10-D5T	Datel
U16	UNR-1.5/10-D5T	UNR-1.5/10-D	UNR-1.5/10-D5T	Datel
U20	ACE Controller	XCCACE-TQ144I	QUAD.50M/144/WG22.00	
U21	Compact Flash Socket Type I & II SMT	MI21A-50PD-SF-EJR	(H3234-ND - DigiKey)	
X1	Oscillator/14Pin DIP	Oscillator, 30.0 MHz, 14-pin DIP	JITO-2-AC3AF- 30.0 (MHz)	Fox
X2	Oscillator/14Pin DIP	Oscillator, 60.0 MHz, 14-pin DIP	JITO-2-AC3AF- 60.0 (MHz)	Fox

## ZPD\_V2 Compiled List

240	0.1uF	Cap,0.1uF 16V Cer Y5V +/-20% 0402	S0402Y104Z1CRN
15	0.1uF (0603)	Cap,0.1uF 16V Cer Y5V +80/-20% 0603	06032F104Z8B20D
2	1 Meg	Res, 1 Megohm 5% 1/10W 0603	RM73B1J105J
3	1.00K	Res, 1.00K ohm 1% 1/10W 0603	RM73H1J1001J
2	10 Amp Fuse	Fuse, 10A 125V Fast Nano SMF	R451 010
43	100 ohm	Res, 100 ohm 5% 1/10W 0603	RM73B1J101J
4	1000pf	Cap, 1000pF 50V Cer. X7R 10% 0603	06032R102K9B20
26	10uF	Cap, 10uF 10V Tant. 10% B3528	267E1602106K
22	120 ohm	Res, 120 ohm 5% 1/10W 0603	RM73B1J121J
4	150uF	Cap, 150uF 10V Tant. 20% Pkg:D	ECS-T1AD157R
22	160 ohm	Res, 160 ohm 5% 1/10W 0603	RM73B1J161J
1	18 pin vertical, thru-hole header	Multilinx - 18 pos, Vert header 0.1" pitch	10-89-1801
1	2 pin Rt Angle header	Conn, 2 pos, RtAngle header 3.96mm pitch	9752024
8	200 ohm	Res, 200 ohm 5% 1/10W 0603	RM73B1J201J
2	24K	Res, 24K ohm 5% 1/10W 0603	RM73B1J243J
1	2mm header - Parallel 4 download	Conn, 14 pos, Vert Shrouded Header 2mm pitch	87332-1420
4	2N3904	Transistor SM NPN (2N3904) - Taped	MMBT3904LT1 SOT-23
1	3 Amp Fuse	Fuse, 3A 125V Fast Nano SMF	R451 003 (?)
2	3.3V_OCTALBUFFER	N74LVT244BDW	
10	300 ohm	Res, 300 ohm 5% 1/10W 0603	RM73B1J301J
9	34 Pin vertical, dual - 0.1 pitch	Conn, 34 pin Vert. Dual 0.1 pitch	TSM-117-01-L-DV
2	3X32_CONN	Conn, 96 pin Rt/A Male VME	650947-5
1	4 pin SMT header	Conn 4 pos Vert Header 0.1" pitch	TSM-102-04-L-DV
23	4.7K	Res, 4.7K ohm 5% 1/10W 0603	RM73B1J472J
2	42.2K	Res, 42.2K ohm 1% 1/10W 0603	RM73H1J4222J
1	5X32_CONN	Conn, 160 pin Rt/A Male DIN41612	02.01.160.2102
1	620 ohm	Res, 620 ohm 1% 1/10W 0603	RM73H1J6200J
1	8 pin thru hole RJ45	RJ45 Low Profile (No Shield)	RJ45-8N-S
2	8 pin vertical, thru-hole header	Conn, 8 pos, Vert Header 0.1" pitch	10-89-1801
162	82 ohm	Res, 82 ohm 5% 1/10W 0603	RM73B1J820J
1	ACE Controller	XCCACE-TQ144I	QUAD.50M/144/WG22.00
1	BCD switch		A6A-10R
1	Blue LED	Blue LED	SML10UB500H-TR
3	CHOKE	Thru hole choke	CHOKE/.600X.200/.034
1	Compact Flash Socket Type I & II SMT	MI21A-50PD-SF-EJR	(H3234-ND - DigiKey)
19	Green LED	LED, Green, 3.2mm x 1.6mm	SML10G5H-TR
9	LACONN43	Conn, 38pos. Vert. Recptl. 0.025" Gull Wing	767054-1
33	Lightpipes	33 total	LTP003-0CW-101
1	LM1085-ADJ	LM1085-ADJ	3_3VREGULATOR - thru hole
21	Orange LED	LED, Orange, 3.2mm x 1.6mm	SML10O4H-TR
2	Oscillator/14Pin DIP	Oscillator, 60.0 MHz, 14-pin DIP	JITO-2-AC3AF- 60.0 (MHz)
4	Red LED	LED, Red, 3.2mm x 1.6mm	SML10R6H-TR
8	Red LED Vert. Thru hole	LED, 2mm 5V vert. Red PC MNT	555-3007
1	Red/Green LED	BiColor LED, Red/Green	SML12RG4H-TR
1	SW PUSHBUTTON	Momentary Switch	EP11SD1ABE
1	TIA/EIA-232 3x5 Driver/Receiver	DS14C335	DS14C335MSA
2	UNR-1.5/10-D5T	UNR-1.5/10-D	UNR-1.5/10-D5T
1	XV2_FF1152_3K	XV2_FF1152_3K	
6	XV2_FF1152_4K	XV2_FF1152_4K	
1	XV2_FF896_2K	XV2_FF896_2K	

ZPD\_V2 Compiled List

R.G. Allen
Yageo America
KOA Speer
KOA Speer
Littlefuse
KOA Speer
Polycomp
Matsuo
KOA Speer
Panasonic
KOA Speer
Waldom/DigiKey
Molex
KOA Speer
KOA Speer
Molex
ON Semiconductor
Littlefuse
KOA Speer
Samtec
Tyco - AMP
Samtec
KOA Speer
KOA Speer
Harting
KOA Speer
Corcom
Waldom/DigiKey
KOA Speer
Omron
LEDtronics
LEDtronics
Tyco - AMP
LEDtronics
LEDtronics
Fox
LEDtronics
Dialight
C&K Pushbutton Switches
National Semiconductor
Datel