

BILL OF MATERIAL FOR DDU

SL	Item Description	Type	Qty.
Panel			
1	Distribution Box, Material Aluminium with plastic/Brass glands for cables, 80 terminal strip connections.	Panel Box	1
Hardware Components			
2	10K Pot Top Tune (1/4 Watt)	Pot	8
3	10k Resistor 1/4 watt tolerance 1%	Resistor	150
4	270E Resistor 1/4 watt tolerance 1%	Resistor	84
5	5k Resistor 1/4 watt tolerance 1%	Resistor	76
6	14.9K Resistor 1/4 watt tolerance 1%	Resistor	20
7	0.05E Resistor 5watt tolerance 1%	Resistor	20
8	1.5K RESISTOR	Resistor	30
9	14k Resistor 1/4 watt tolerance 1%	Resistor	20
10	150E Resistor 1/4 watt tolerance 1%	Resistor	20
11	1E Resistor 1/4 watt tolerance 1%	Resistor	45
12	26k Resistor 1/4 watt tolerance 1%	Resistor	20
13	470E RESISTOR	Resistor	20
14	500E RESISTOR	Resistor	50
15	680E Resistor 1/4 watt tolerance 1%	Resistor	20
16	11.0592MHz Xtal Oscillator	Crystal	5
17	RELAY S4EB-5V General Purpose Relay, S Series Power, Non Latching, 4PST-NO, 5VDC 4A.	Relay	70
18	1 N/O DIP 5D(MAKE PLA) RELAY	Relay	30
19	Relay base for NC4D-P-DC5V Part No. NC4-PS(Digi Key Part No. 255-1751-ND)	Relay	12
20	Relay base for S4EB-5V Part No. S-PS (Digi key Part No. 255-1751-ND)	Relay	50
21	RELAY S4EB-5V GENERAL PURPOSE RELAY 4PST-NO, 5VDC, 4A.	Relay	50
22	RELAY DPDT(Part No. NC4D-P-DC5V)	Relay	12
23	Diode IN4001 signal Diode	Diode	52
24	15V Zener Diode	Diode	60
25	Capacitor 30pF Ceramic	Capacitor	15
26	104 pF Capacitor	Capacitor	50
27	Capacitor 1uF Tantalum	Capacitor	10
28	Capacitor 10uF Tantalum	Capacitor	5
29	1 uF/63 V Capacitor Electrolytic	Capacitor	14
30	100uf 63V ELECROLYTIC CAPACITOR	Capacitor	32
31	33pF Capacitor Ceramic	Capacitor	70
32	30pF Capacitor Ceramic	Capacitor	50
33	10uF/63 V Capacitor Electrolytic	Capacitor	90
34	LM 317 IC	IC	5
35	IC 74LVC244	IC	8
36	74LS244 IC	IC	30
37	DS89C450 MicroController	IC	30
38	74LS240 IC	IC	25
39	HCPL2630 IC	IC	36
40	HCPL3700 IC	IC	12
41	SN74HC157N IC mux	IC	12

42	ULN2003 IC	IC	18
Connectors			
43	Power Connector 3 Pin	Connector	1
44	BJ 770 (Trompter) Connector	Connector	14
45	PL 75-9 Connector	Connector	4
46	Shock Mounts (As per our specifications)	Connector	4
47	12 Pin PCB Mount Ribbon Connector Pair	Connector	8
48	12 Wired Ribbon Cable (Grey Colour)	Connector	1
49	3 PIN CABLE MOUNT FEMALE CONNECTOR (MS3106F-10SL-3P 1520)	Connector	50
50	3 PIN CABLE MOUNT MALE CONNECTOR (MS3102R-10SL-3P 1846)	Connector	50
51	3 PIN CHASIS MOUNT MALE CONNECTOR (MS3102R-14S-7P 1846)	Connector	50
52	3 PIN CHASIS MOUNT MALE POWER CONNECTOR (MS3102-14S-7P)	Connector	50
53	3 PIN FEMALE CHASIS MOUNT MS CONNECTOR (MS3102R-10SL-3S)	Connector	50
54	3 PIN CABLE MOUNT FEMALE POWER CONNECTOR (MS3106-14S-7S)	Connector	50
55	3 PIN MALE CABLE MOUNT MALE CONNECTOR (MS3106F-10SL-3P)	Connector	50
56	6 pin Wago connector female with Cage Clamp, with Locking device (Part No. 231- 306/037-000)	Connector	50
57	6 pin Wago connector right angle solder Pin Male (Part No. 231-566/001-000)	Connector	50
58	64 pin Female euro connector straight	Connector	35
59	64 pin Male euro connector right angle	Connector	35
60	5 Pin cable Mount male Connector (MS3106F-14S-5P-1846)	Connector	50
61	5 Pin cable Mount Female Connector (MS3106F-14S-5S 1723)	Connector	50
62	19 PIN MS CONNECTOR CHASIS MOUNT MS 3102R-22-14S	Connector	10
63	19 PIN MS CONNECTOR MALE CABLE MOUNT MS 3106F-22-14P	Connector	10
64	37 PIN CABEL MOUNT MALE CONNECTOR	Connector	4
65	40 pin RIBBON (FRC)CONNECTOR	Connector	10
66	5 pin chasis mount male connector (MS3102R-14S-5P 1618)	Connector	50
67	5 PIN CIRCULAR FEMALE CONNECTOR MS 3102-10SL-3P	Connector	50
68	5 PIN CIRCULAR FEMALE CONNECTOR MS 3102-14S-5P	Connector	50
69	5 PIN CIRCULAR FEMALE CONNECTOR MS 3106F-14S-5P	Connector	50
70	5 PIN CIRCULAR MALE CONNECTOR MS 3106-10SL-3S	Connector	50
71	5 PIN CIRCULAR MALE CONNECTOR MS 3106-14S-5S	Connector	50
72	5 PIN CIRCULAR MALE CONNECTOR MS 3106R-14S-5S	Connector	50
73	6 PIN FEMALE CONNECTOR WITH CAGE	Connector	25
74	6 PIN MALE CONNECTOR WITH CAGE	Connector	25
75	6 PIN FEMALE CHASIS MOUNT MS CONNECTOR (MS3102F-14S-6S)	Connector	25
76	6 PIN MALE CABLE MOUNT MS CONNECTOR (MS3106F-14S-6P)	Connector	25
77	ITP - 2 PIN FEMALE Connector With wire	Connector	40
78	ITP - 2 PIN MALE Connector	Connector	40
79	ITP - 4 PIN FEMALE Connector	Connector	40
80	ITP - 4 PIN MALE Connector	Connector	40

81	ITP CONNECTOR FEMALE	Connector	30
82	ITP CONNECTOR MALE	Connector	30
83	RJ 45 CONNECTOR	Connector	10
Pannel Accessories			
84	Spacer Hexagonal 3CM Length	Spacer	10
85	Hexagonal Metal Spacer 50mm	Spacer	10
86	Spacer Hexagonal 1CM Length	Spacer	10
87	8 Pin IC Base (Dip) 8 Pin Round pin machine hole	IC Base	5
88	20 pin IC Base (Dip) 20 Pin Round pin machine hole	IC Base	5
89	14 Pin IC Base (Dip) 14 Pin Round pin machine hole	IC Base	5
90	28 Pin IC Base (Dip) 28 Pin Round pin machine hole	IC Base	5
91	16 pin IC Base (Dip) 16 Pin Round pin machine hole	IC Base	8
92	40 PIN IC BASE DIP ROUND PIN MACHINE HOLE	IC Base	5
93	PCBs (as per Gerber File)	Zero PCB	5
94	12V DC Fan	DC Fan	3
95	LED HOLDER 5MM	LED	50
96	LED WHITE 5mm dia	LED	20
97	LED GREEN 5mm dia	LED	50
98	LED RED 5mm dia	LED	70
99	LED YELLOW 5mm dia	LED	50
100	LED BLUE 5mm dia	LED	22
101	BA Card PCB(Gerber file will be provided)	CARD	15
102	DIGITAL CARD PCB	CARD	12
103	HEAT SINK FOR BA CARD DOUBLE CHANNEL	CARD	8
104	ON/OFF SPDT TOGGLE SWITCH 6Amp	Switch	6
Hardware Accessories			
105	Solder	Solder	1
106	3 * 10 mm screws and nuts	Screws/Nuts	50
107	10 mm nuts	Nuts	50
108	3MM SS WASHER	Washer	50
109	4MM SS WASHER	Washer	50
Power Supply			
110	MEAN WELL POWER SUPPLY LRS 200-24	Power Supply	4
111	POWER SUPPLY LDA 10F-5 (5V,2A)	Power Supply	5
112	POWER SUPPLY LDC 60 F-2 (+5V,+15V,-15V)	Power Supply	5
Cables			
113	Power Cable 15 Amp (1.5 meter)	Cables	50
114	Belden cable (Multi-Conductor-Low Capacitance Computer Cable) Part No. 96820601000	Cables	1
115	WIRE SLEEVE 4MM (Roll - 400 meter)	Sleeve	1
116	WIRE SLEEVE 2MM (Roll - 400 meter)	Sleeve	1
117	WIRE SLEEVE 0.5MM (Roll - 400 meter)	Sleeve	1
118	WIRE SLEEVE 1MM (Roll - 400 meter)	Sleeve	1
119	ITP - 16 PIN FEMALE with Wire	Wire	40
120	ITP - 2 PIN FEMALE Connector With wire	Wire	40
121	SGI PTFE(Teflon)wire Size 24(19/36),Type ET Colour BLACK 100 meter	Wire	3

122	SGI PTFE(Teflon)wire Size 24(19/36),Type ET Colour BLUE 100 meter	Wire	3
123	SGI PTFE(Teflon)wire Size 24(19/36),Type ET Colour RED 100 meter	Wire	3
124	Transformer (30VA) INPUT 0-15 V ,OUTPUT 0-45-75 make Shreejee	Transformer	10

