

ITEM #	REF #	PART DESCRIPTION	MFG. PART #	MFG	MS SEDCO PART#
1	IC1	IC, 12V SWITCHING REG, 14 PIN SOIC	LM2574HVM-ADJ	NATIONAL	TBD
2	IC2	IC, VOLTAGE REG, 5V, TO252	LM78M05CDT	NATIONAL, FSC	TBD
3	IC3	IC, OPAMP, 14 PIN SOIC	TLC2274AID	TEXAS INST	TBD
4	IC4	IC, PROGRAMMED. CONTROLLER, XXXX.OBJ 28PIN SOIC	Master file # --- xxxxxTBD	ARROW	75Z015-999
5	IC5	TRANSMISSION GATE	NC7SZ384		
6	IC6	TRANSMISSION GATE	NC7SZ384		
7	IC7	TRANSMISSION GATE	NC7SZ384		
8	IC8	NOT USED	NOT USED	NOT USED	NOT USED
9	C1	220uF 50V ELECT LOW ESR TOL M AXIAL	227CKS050M	ILLINOIS CAPACITOR	TBD
10	C2	220uF 16V ELECT LOW ESR TOL M AXIAL	????	ILLINOIS CAPACITOR	TBD
11	C3	10uF 50V ELECT LOW ESR TOL M AXIAL	106CKS050M	ILLINOIS CAPACITOR	TBD
12	C4	1uF Film 25V , PKG 1206, 10%	ECP-U1E105KB5	PANASONIC	TBD
13	C5	0.1uF 50V 10% CER X7R, PKG 0805	ECJ-2YB1H104K	PANASONIC	TBD
14	C7	0.1uF 50V 10% CER X7R, PKG 0805	ECJ-2YB1H104K	PANASONIC	TBD
15	C12	0.1uF 50V 10% CER X7R, PKG 0805	ECJ-2YB1H104K	PANASONIC	TBD
16	C15	0.1uF 50V 10% CER X7R, PKG 0805	ECJ-2YB1H104K	PANASONIC	TBD
17	C13	0.1uF 50V 10% CER X7R, PKG 0805	ECJ-2YB1H104K	PANASONIC	TBD
18	C6	470pF 50V 5% CER NPO, PKG 0805	ECJ-2VC1H471J	PANASONIC	TBD
19	C8	470pF 50V 5% CER NPO, PKG 0805	ECJ-2VC1H471J	PANASONIC	TBD
20	C9	1uF 16V 10% CER X7R, PKG 1206	12062R105K7BB0D	YAGEO	TBD
21	C10	8200pF 50V 5% CER NPO, PKG 1206	ECJ-3FC1H822J	PANASONIC	TBD
22	C11	100uF 16V 10% TANT, PKG C (EIA)	TAJD107K016R	AVX	TBD
23	D1	BRIDGE RECTIFIER MINI PIV100V 0.5A SMD	MD2S-W	RECTRON	TBD
24	D2	RECTIFIER, SUPERFAST SMD, 200V,1A, PKG SMA	ES1D-13	DIODES INC	TBD
25	D3	LED BICOLOR RED/GRN REFL CLR, PKG SMD	AA2734SRSGC	KINGBRIGHT	TBD
26	D4	LED ORANGE, SMD 0805	AA1112H-TR	STANLEY ELECTRIC	TBD
27	D5	DIODE, SWITCHING, PIV 75V, 500 Mw, PKG MELF	LL4148-GS08 / LL4148-13	VISHAY / DIODES INC	TBD
28	D6	DIODE, SWITCHING, PIV 75V, 500 Mw, PKG MELF	LL4148-GS08 / LL4148-13	VISHAY / DIODES INC	TBD
29	D7	MONOLITHIC DUAL SWITCHING DIODE, COMMON ANODE	BAW56LT1	ON SEMI	TBD
30	RL1	6V RELAY, 3A, SPST, PC MOUNT	G5V-1, 6V	OMRON	TBD
31	RL2	6V RELAY, 3A, SPST, PC MOUNT	G5V-1, 6V	OMRON	TBD
32	L2	330uH COIL	6000-331k / RL187-331K	JW MILLER / ISI	72A008
33	P1	HEADER, POLORIZED, STRAIGHT, 8 PIN	22-04-1081	MOLEX	TBD
34	P2	CONN, HEADER,PH,TOP,4 POS, 2MM	B4B-PH-K-S	JST SALES	TBD
35	P3	NOT USED	NOT USED	NOT USED	NOT USED
36	P4	CONN, HEADER,PH,TOP,7 POS, 2MM	B7B-PH-K-S	JST SALES	TBD
37	Q1	TRANSISTOR W/ BIAS R, NPN, 50V,100mA, SOT23	MMUN2211LT1	ON SEMI	TBD
38	Q2	TRANSISTOR W/ BIAS R, NPN, 50V,100mA, SOT23	MMUN2211LT1	ON SEMI	TBD
39	Q3	TRANSISTOR W/ BIAS R, NPN, 50V,100mA, SOT23	MMUN2211LT1	ON SEMI	TBD
40	Q4	TRANSISTOR W/ BIAS R, NPN, 50V,100mA, SOT23	MMUN2211LT1	ON SEMI	TBD
41	Q5	TRANSISTOR W/ BIAS R, NPN, 50V,100mA, SOT24	MMUN2211LT1	ON SEMI	TBD
42	RN3	RESISTOR ARRAY, 100K, 8PIN, 4 RESISTOR, PKG SMD	744C083104JTR	CTS	TBD

43	RN4	RESISTOR ARRAY, 1 MEG, 8PIN, 4 RESISTOR, PKG SMD	744C083105JTR	CTS	TBD
44	RN5	RESISTOR ARRAY, 2.2K, 8PIN, 4 RESISTOR, PKG SMD	744C083222JTR	CTS	TBD
45	R1	RESISTOR, 127 OHMS, 1%, PKG 0805	ERJ-6ENF1270V	PANASONIC	TBD
46	R2	RESISTOR, 127 OHMS, 1%, PKG 0805	ERJ-6ENF1270V	PANASONIC	TBD
47	R3	RESISTOR, 10K OHMS, 5%, PKG 0805	ERJ-6ENF1270V	PANASONIC	TBD
48	R4	RESISTOR, 470K OHMS, 1%, PKG 0805			TBD
49	R6	RESISTOR, 10K OHMS, 5%, PKG 0805	ERJ-6ENF1270V	PANASONIC	TBD
50	R7	RESISTOR, 100K OHMS, 5%, PKG 0805			TBD
51	R8	RESISTOR, 1.0K OHMS, 5%, PKG 0805			TBD
52	R29	RESISTOR, 10K OHMS, 5%, PKG 0805	ERJ-6GEYJ103V	PANASONIC	TBD
53	R19	RESISTOR, 10K OHMS, 5%, PKG 0805	ERJ-6GEYJ103V	PANASONIC	TBD
54	R15	RESISTOR, 1.00K OHMS, 1%, PKG 1206	ERJ-8ENF1001V	PANASONIC	TBD
55	R16	RESISTOR, 4.87K OHMS, 1%, PKG 1206			TBD
56	R20	RESISTOR, 1.00K OHMS, 1%, PKG 0805			TBD
57	R21	RESISTOR, 470 OHMS, 5%, PKG 0805	ERJ-6GEYJ471V	PANASONIC	TBD
58	R26	RESISTOR, 100 OHMS, 5%, PKG 1206	ERJ-8GEYJ101V	PANASONIC	TBD
59	R27	RESISTOR, 210 OHMS, 1%, PKG 0805			TBD
60	R28	RESISTOR, 210 OHMS, 1%, PKG 0805			TBD
61	R29	RESISTOR, 10K OHMS, 5%, PKG 0805	ERJ-6ENF1270V	PANASONIC	TBD
61	SW1	SWITCH, SIP, VERTICLE, 6 POS, .698" X .500"	SP06	C&K DIV. ITT	TBD
62	SW2	TACT SWITCH, 6.0 X 4.3MM 180G	TL3302AF180QG	E-SWITCH	
62	VR1	POTENTIOMETER, 5K, 1T SEAL, VERTICLE	72XR5K / 3386X-1-502	BI TECH / BOURNS	TBD
63	VR2	POTENTIOMETER, PC MOUNT, 5K,10%	72XR5K / 3386X-1-502	BI TECH / BOURNS	TBD
64	VR3	POTENTIOMETER, 50K,4MM SQ CERMET, 20%, SMD	3314G-503E	BOURNS	TBD
65	VR4	POTENTIOMETER, 50K,4MM SQ CERMET, 20%, SMD	3314G-503E	BOURNS	TBD
66	VR5	POTENTIOMETER, 50K,4MM SQ CERMET, 20%, SMD	3314G-503E	BOURNS	TBD
67	VR6	POTENTIOMETER, 5K, 1T SEAL, VERTICLE	72XR5K / 3386X-1-502	BI TECH / BOURNS	TBD
67	ZNR1	TRANSIENT / SURGE ABSORBER	ERZ-V05D101	PANASONIC	74 E006
68	ZNR2	TRANSIENT / SURGE ABSORBER	ERZ-V05D101	PANASONIC	74 E006
69	CR1	4 MHZ CER RESONATOR W / CAPS	MURATA# CST-4.000MGW	or Equiv	78B005
70	PCB1	MAIN PCB, FR4, DS,SMOBC, 0.062"T, 1 OZ CU	44A226 REV. A	Cunnigham	44A226 REV. A
71	Misc	POWER CABLE ASSEMBLY REVISION A			60H049