

1	Bill of Material for LNG30.Bom									
2										
3	Used	Part Type	Designator	Footprint	Description	Part Field 1	Part Field 2	Part Field 3	Part Field 4	Part Field 5
4	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
5	2	0R25	R24 R25	AXIAL1.2	Resistor	RESISTOR SILICONE .25 OHM 5W	ALSR-5-.25-1%	ALSR5F-.25-ND	*	*
6	1	0u1, 250V	C6	CAP0.4	Non Polarized Capacitor	*	*	*	*	*
7	1	0u1	C15	CAP0.1	Non Polarized Capacitor	*	*	*	*	*
8	2	0u1	C2 C5	CAP0.2	Non Polarized Capacitor	*	*	*	*	*
9	1	1K00	R32	AXIAL0.4	Resistor	*	*	*	*	*
10	1	1K5	R11	AXIAL0.4	Resistor	*	*	*	*	*
11	1	1K30, 1%	R2	AXIAL0.4	Resistor	*	*	*	*	*
12	2	1K	R3 R8	AXIAL0.4	Resistor	*	*	*	*	*
13	1	1K	R21	POT-67WN1B	Resistor	*	*	*	*	*
14	3	1N4148	CR9 CR10	DIODE-0.4	Diode	*	*	*	*	*
15			CR11							
16	1	1N4746A	D9	DIODE-0.5		*	*	*	*	*
17	1	1N5225B, 3V	D8	DIODE-0.4		*	*	*	*	*
18	1	1N5225B	CR12	DIODE-0.4		*	*	*	*	*
19	4	1N5402	CR14 CR17	DIODE-0.7	Diode	*	*	*	*	*
20			D1 D2							
21	1	1nF	C12	CAP0.2	Non Polarized Capacitor	*	*	*	*	*
22	1	1uF, 100V	C7	CAP0.2	Non Polarized Capacitor	*	*	*	*	*
23	1	2K2	R26	AXIAL0.5	Resistor	*	*	*	*	*
24	2	2K4, 1W	R4 R6	AXIAL0.5	Resistor	*	*	*	*	*
25	2	2K	R27 R28	AXIAL0.4	Resistor	*	*	*	*	*
26	1	3	E29	TESTPOINT-1	Test point	*	*	*	*	*
27	2	3K3	R10 R52	AXIAL0.4	Resistor	*	*	*	*	*
28	1	3M3	R19	AXIAL0.4	Resistor	*	*	*	*	*
29	2	4	E8 E9	TESTPOINT-1	Test point	*	*	*	*	*
30	1	4K02	R1	AXIAL0.4	Resistor	*	*	*	*	*
31	1	4n7, 1KV	C17	CAP0.2	Non Polarized Capacitor	*	*	*	*	*
32	1	5K6	R12	AXIAL0.4	Resistor	*	*	*	*	*
33	1	5K11@5K-VC	R57	AXIAL0.4	Resistor	*	*	*	*	*
34	3	6	E30 E38	TESTPOINT-1	Test point	*	*	*	*	*
35			E39							
36	2	6K8	R22 R23	AXIAL0.4	Resistor	*	*	*	*	*
37	1	9	E10	TESTPOINT-1	Test point	*	*	*	*	*
38	1	9K76	R20	AXIAL0.4	Resistor	*	*	*	*	*
39	1	10	E28	TESTPOINT-1	Test point	*	*	*	*	*
40	1	10K	R5	AXIAL0.4	Resistor	*	*	*	*	*
41	2	10R	R16 R55B	AXIAL0.4	Resistor	*	*	*	*	*
42	1	10n	C18	CAP0.2	Non Polarized Capacitor	*	*	*	*	*
43	1	10uF, 16V, T	C14	RB.1/.2	Polarized Capacitor	*	*	*	*	*
44	2	10uF, 25V	C9 C19	RB.1/.2	Polarized Capacitor	*	*	*	*	*
45	1	10uF	C11	RB.1/.2	Polarized Capacitor	CAP 15000UF 35V ELECT VZ RADIAL	UVZ1V153MRD	493-1328-ND	*	*
46	1	11	E17	TESTPOINT-1	Test point	*	*	*	*	*
47	1	12	E27	TESTPOINT-1	Test point	*	*	*	*	*
48	16	13	E12 E20	TESTPOINT-1	Test point	*	*	*	*	*
49			E21 E22							
50			E23 E24							
51			E25 E26							
52			E32 E33							
53			E34 E35							
54			E36 E37							
55			E40 E41							
56	1	14	E31	TESTPOINT-1	Test point	*	*	*	*	*
57	1	14K3	R18	AXIAL0.4	Resistor	*	*	*	*	*
58	2	15mF, 35V	C3 C4	RB.50/1.0	Polarized Capacitor	CAP 15000UF 35V ELECT VZ RADIAL	UVZ1V153MRD	493-1328-ND	*	*
59	1	18K2	R7	AXIAL0.4	Resistor	*	*	*	*	*
60	1	21	E18	TESTPOINT-1	Test point	*	*	*	*	*
61	1	21B	E19	TESTPOINT-1	Test point	*	*	*	*	*
62	1	22	E16	TESTPOINT-1	Test point	*	*	*	*	*
63	1	23	E13	TESTPOINT-1	Test point	*	*	*	*	*
64	1	24	E11	TESTPOINT-1	Test point	*	*	*	*	*
65	1	26	E1	TESTPOINT-1	Test point	*	*	*	*	*
66	1	27	E2	TESTPOINT-1	Test point	*	*	*	*	*
67	3	28	E3 E3B E4	TESTPOINT-1	Test point	*	*	*	*	*
68	1	29	E5	TESTPOINT-1	Test point	*	*	*	*	*
69	1	30	E6	TESTPOINT-1	Test point	*	*	*	*	*
70	1	31	E7	TESTPOINT-1	Test point	*	*	*	*	*
71	1	47p	C13	CAP0.2	Non Polarized Capacitor	*	*	*	*	*

72	1	76K	R13	AXIAL0.4	Resistor	*	*	*	*	*
73	1	100K	R31	AXIAL0.4	Resistor	*	*	*	*	*
74	2	100R	R15 R55	POT-67WN1B	Resistor	*	*	*	*	*
75	1	150R, 2W	R14	AXIAL0.6	Resistor	*	*	*	*	*
76	2	180R	R53 R54	AXIAL0.4	Resistor	*	*	*	*	*
77	1	187K	R30	AXIAL0.4	Resistor	*	*	*	*	*
78	1	220uF, 35V	C8	RB.15/.1/.2/.4	Triple Footprint capacitor	*	*	*	*	*
79	1	470K	R9	AXIAL0.4	Resistor	*	*	*	*	*
80	1	470p	C52	CAP0.2	Non Polarized Capacitor	*	*	*	*	*
81	1	470uF,25V	C10	RB.15/.1/.2/.4	Triple Footprint capacitor	*	*	*	*	*
82	1	470uF, 35V	C1	RB.15/.1/.2/.4	Triple Footprint capacitor	*	*	*	*	*
83	1	1910R	R29	AXIAL0.4	Resistor	*	*	*	*	*
84	1	7805	U2	TO-220H	3 position connector	*	*	*	*	*
85	4	AC3	E14 E15	TESTPOINT-1	Test point	*	*	*	*	*
86			E42 E43							
87	2	AC4	E44 E45	TESTPOINT-1	Test point	*	*	*	*	*
88	1	BRIDGE3	CR1	DIP-BRIDGE	Bridge Rectifier	*	*	*	*	*
89	1	DNP or SEL	R17	AXIAL0.4	Resistor	*	*	*	*	*
90	1	ERZ-V07D470	RV1	RUE-02	Metal Oxide Varistor	SUR ABSORBER 7MM 47V 250A ZNR	ERZ-V07D470	P7295-ND	*	*
91	1	Heatsink	HS1	HS VERT TO-220_288-1	STATIC SYMBOL	*	*	*	*	*
92	1	KBL02	B1	KBL02_BRIDGE		*	*	*	*	*
93	1	LM324A	U1	DIP14	Op-Amp	*	*	*	*	*
94	1	SEL	R56	AXIAL0.4	Resistor	*	*	*	*	*
95	2	TIP31C	Q1 Q2	TO-220-4P		*	*	*	*	*
96	1	TL431C_2	VR1	TO-92A1	Precision Programmable Reference	*	*	*	*	*