

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-01

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, NO EXTERNAL CONNS, GT

PAGE: 1 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
1		0.00	EA				301982	SCHEMATIC, GLOBAL STRAP WITH ZIGBEE, GLOBAL TRAK	190033	SYSTEM PLANNING CORP. 301982	N
3		1.00	EA				406262-01	PCB, GLOBAL STRAP WITH ZIGBEE, GLOBAL TRAK	190033	SYSTEM PLANNING CORP. 406262-01	N
12		1.00	EA	U1			EM250-RTR	IC, EM250, SINGLE CHIP RF SOL, QFN-48, ZIGBEE/ 802.15.4	EMBER spcdoc	EMBER EM250-RTR SPC DOCUMENT 853861	N
13		1.00	EA	U2			TC1073-3.0VCH713	I.C., CMOS LDO, REG, 3.0V, 100mA, SOT23A-6	MI CROP spcdoc	MI CROCHIP TECHNOLOGY INC TC1073-3.0VCH713 SPC DOCUMENT 853373	N
14		1.00	EA	U4			SN74LVC2G34DCKR	IC, DUAL BUFFER GATE, SC-70-6	T. I. spcdoc	TEXAS INSTRUMENTS SN74LVC2G34DCKR SPC DOCUMENT 854066	N
16		0.00	EA	(DNI: U5)			MAX3221EIPWR	IC, DRIVER/RECEIVER, RS232, 1 CHANNEL, 16-TSSOP	T. I. spcdoc	TEXAS INSTRUMENTS MAX3221EIPWR SPC DOCUMENT 853916	N
17		1.00	EA	U3			LPV321DCKR	I.C., OP AMP, SINGLE RAIL TO RAIL OUT, SC-70-05	T. I. spcdoc	TEXAS INSTRUMENTS LPV321DCKR SPC DOCUMENT 853380	N
19		1.00	EA	FB1			BLM15HG102SN1D	BEAD, FERRITE, FILTER CHIP, 1000 OHM, 250mA, 0402	MURATA spcdoc	MURATA ERIE BLM15HG102SN1D SPC DOCUMENT 853860	N
21		1.00	EA	Y1			ABM3B-24.000MHZ*	IC, CRYSTAL, 24.000MHZ, SMD	ABRACO spcdoc	ABRACON CORPROATION ABM3B-24.000MHZ-D-R60-1WT SPC DOCUMENT 854027	N
22		0.00	EA	(DNI: Y4)			AB26TRB-32.768K*	IC, CRYSTAL, 32.768MHZ, +/-20PPM, TOL=+/-12.5PPM STABILITY	ABRACO spcdoc	ABRACON CORPROATION AB26TRB-32.768KHZ-T SPC DOCUMENT 853863	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-01

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, NO EXTERNAL CONNS, GT

PAGE: 2 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
24	2.00	EA	B1, B2				500672	ALTERED ITEM DRAWING, BATTERY, TADIRAN, TL-5955 GT	190033	SYSTEM PLANNING CORP. 500672	N
26	1.00	EA	DS2				SML-LX0603SIW-TR	IC, LED, RED, 2 VOLT, 20mA, 0603	LUMEX spcdoc	LUMEX OPTOELECTRONICS SML-LX0603SIW-TR SPC DOCUMENT 853868	N
27	1.00	EA	DS1				SML-LX0603SYW-TR	IC, LED, YELLOW, 2 VOLT, 20mA, 0603	LUMEX spcdoc	LUMEX OPTOELECTRONICS SML-LX0603SYW-TR SPC DOCUMENT 853865	N
29	2.00	EA	L5, L6				BLM18AG102SN1D	BEAD, FERRITE, FILTER CHIP, 1000 OHM 400mA, 0603	MURATA spcdoc	MURATA ERIE BLM18AG102SN1D SPC DOCUMENT 853887	N
30	2.00	EA	L1, L4				LQP15MN5N1B02	INDUCTOR, 5.1NH, +/-0.1 NH, 140mA, CHIP FILM, 0402	MURATA spcdoc	MURATA ERIE LQP15MN5N1B02 SPC DOCUMENT 853849	N
31	1.00	EA	L2				LQG18HN3N3S00D	INDUCTOR, 3.3nH, +/- 0.3 nH, MULTILAYER FILM, 0603	MURATA spcdoc	MURATA ERIE LQG18HN3N3S00D SPC DOCUMENT 851670	N
32	1.00	EA	L23				LQP15MN2NOB02	INDUCTOR, 2.0NH, +/-0.1 NH, 220mA, CHIP FILM, 0402	MURATA spcdoc	MURATA ERIE LQP15MN2NOB02 SPC DOCUMENT 853852	N
33	1.00	EA	L3				LQG18HN2N7S00D	INDUCTOR, 2.7NH, +/-0.3 NH, 300mA, 0603 MULTI- LAYER FILM	MURATA spcdoc	MURATA ERIE LQG18HN2N7S00D SPC DOCUMENT 853851	N
34	1.00	EA	D1				BAV99RWT1G	IC, DIODE, SWITCH, SS, DUAL 70 VOLT, SOT-323	ONSEMI spcdoc	ON SEMI CONDUCTOR BAV99RWT1G SPC DOCUMENT 854088	N
35	1.00	EA	D2				BAS7004E6327	IC, DIODE, SCHOTTKY, DUAL 70 VOLT, SOT-23	INFIN	INFINEON BAS7004E6327	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-01

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, NO EXTERNAL CONNS, GT

PAGE: 3 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
								spcdoc	SPC DOCUMENT 853890	
36	0.00	EA		(DNI : D3, D4)		MBR0520L	DIODE, SCHOTTKY, 0.5AMPS 20 VOLT, SOD-123	FAIRCH	FAIRCHILD SEMI CONDUCTOR MBR0520L	N
								spcdoc	SPC DOCUMENT 854105	
43	0.00	EA		(DNI : R1, R4)		CRCW040210K0JNED	RESISTOR, CHIP, 10K OHM, 1/16 WATT, 5%, 0402, SMD	VI SHAY	VI SHAY, SPRAGUE CRCW040210K0JNED	N
								spcdoc	SPC DOCUMENT 853917	
48	1.00	EA	R20			ERJ-6ENF1000V	RESISTOR, CHIP, 100 OHM, 1/8 WATT, TOL=5%, SMD, 0805	PANAS	PANASONIC ELECTRONICS ERJ-6ENF1000V	N
								spcdoc	SPC DOCUMENT 853913	
49	4.00	EA		R15, R16, R18, R19 (DNI : R3, R14)		ERJ-6GEY0R00V	RESISTOR, CHIP, 0 OHM, 1/8 WATT, 5%, 0805, SMD	PANAS	PANASONIC ELECTRONICS ERJ-6GEY0R00V	N
								spcdoc	SPC DOCUMENT 853837	
50	3.00	EA		R12, R13, R24		ERJ-6GEYJ104V	RESISTOR, CHIP, 100K OHM 5%, 1/8 WATT, 0805 PACK, SMD	PANAS	PANASONIC ELECTRONICS ERJ-6GEYJ104V	N
								spcdoc	SPC DOCUMENT 852916	
51	1.00	EA	R17			ERJ-6GEYJ105V	RESISTOR, CHIP, 1MEG OHM 5%, 1/8 WATT, 0805 PACK, SMD	PANAS	PANASONIC ELECTRONICS ERJ-6GEYJ105V	N
								spcdoc	SPC DOCUMENT 853883	
52	2.00	EA		R5, R7		ERJ-2GEJ1R0X	RESISTOR, CHIP, 1 OHM, 5%, 1/16 WATT, 0402 PACK SMD	PANAS	PANASONIC ELECTRONICS ERJ-2GEJ1R0X	N
								spcdoc	SPC DOCUMENT 853855	
53	1.00	EA		R9		ERJ-2GEJ2R7X	RESISTOR, CHIP, 2.7 OHM, 5%, 1/16 WATT, 0402 PACK SMD	PANAS	PANASONIC ELECTRONICS ERJ-2GEJ2R7X	N
								spcdoc	SPC DOCUMENT 853858	
54	1.00	EA		R6		ERJ-2GEJ332X	RESISTOR, CHIP, 3.3K OHM 5%, 1/16 WATT, 0402 PACK SMD	PANAS	PANASONIC ELECTRONICS ERJ-2GEJ332X	N
								spcdoc	SPC DOCUMENT	

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-01

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, NO EXTERNAL CONNS, GT

PAGE: 4 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
55	2.00	EA		R10, R11	(DNI : R2)		ERJ-2GEJ561X	RESISTOR, CHIP, 560 OHM 5%, 1/16 WATT, 0402 PACK SMD	PANAS spcdoc	853856 PANASONIC ELECTRONICS ERJ-2GEJ561X SPC DOCUMENT 853854	N
56	1.00	EA		R8			ERJ-2RKF1693X	RESISTOR, CHIP, 169K OHM 5%, 1/16 WATT, 0402 PACK SMD	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-2RKF1693X SPC DOCUMENT 853857	N
57	1.00	EA		R21			ERJ-3EKF1001V	RESISTOR, 1K OHM, 1/16 WATT, 1%, SMD, 0603,	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-3EKF101V SPC DOCUMENT 851466	N
58	1.00	EA		R22			ERJ-6ENF7500V	RESISTOR CHIP, 750 OHM, 1/8WATT, 1%, 0805, SMD	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-6ENF7500V SPC DOCUMENT 853382	N
59	1.00	EA		R23			ERJ-6GEYJ301V	RESISTOR CHIP, 300 OHM, 1/8WATT, 1%, 0805, SMD	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-6GEYJ301V SPC DOCUMENT 854187	N
65	2.00	EA		C24, C25,	(DNI : C58)		ECJ-0EC1H010C	CAPACITOR, CHIP, 1pF, +/- 0.25pF, 50VOLT, COG, NPO, 0402	PANAS spcdoc	PANASONIC ELECTRONICS ECJ-0EC1H010C SPC DOCUMENT 853848	N
67	1.00	EA		C2			ECJ-1VF1A225Z	CAPACITOR, CHIP, 2.2uF, +/- 20%, 10 VOLT, 0603 PACKAGE	PANAS spcdoc	PANASONIC ELECTRONICS ECJ-1VF1A225Z SPC DOCUMENT 851731	N
68	3.00	EA		C28, C29, C30			ECJ-2FC2D101J	CAPACITOR, CHIP, 100pF, +/- 5%, 200 VOLT, 0805 PACKAGE	PANAS spcdoc	PANASONIC ELECTRONICS ECJ-2FC2D101J SPC DOCUMENT 853889	N
73	1.00	EA		C19			CC1206KRX7R9BB2*	CAPACITOR, CHIP, 220pF 50 VOLT, X7R, TOL=10% 1206	YAGEO spcdoc	YAGEO ELECTRONICS CC1206KRX7R9BB221 SPC DOCUMENT 854189	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-01

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, NO EXTERNAL CONNS, GT

PAGE: 5 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
74	2.00	EA		C38, C39			GRM39X7R104K016D	CAPACITOR, SURFACE MT, 0.1uF, (0603)	MURATA spcdoc	MURATA ERIE GRM39X7R104K016AD SPC DOCUMENT 850221	N
75	1.00	EA		C18			GRM2165C2A201JA*	CAPACITOR, CERAMIC, 200pF 100 VOLT, 5% TOL, COG 0805	MURATA spcdoc	MURATA ERIE GRM2165C2A201JA01D SPC DOCUMENT 853888	N
76	9.00	EA		C3, C10, C12-C17, C32 (DNI : C1)			GRM155R71E103KA*	CAPACITOR, 10 NF, +/-10% 25 VOLT, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM155R71E103KA01D SPC DOCUMENT 853840	N
77	0.00	EA		(DNI : C21)			GRM1555C1H180JZ*	CAPACITOR, 18PF, 50VOLT +/- 0.25PF, COG, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H180JZ01D SPC DOCUMENT 853847	N
78	2.00	EA		C4, C5, (DNI : C20)			GRM1555C1H270JZ*	CAPACITOR, 27PF, 50VOLT +/- 5%, COG, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H270JZ01D SPC DOCUMENT 853841	N
79	1.00	EA		C11			GRM1555C1H8RODZ*	CAPACITOR, 8PF, 50VOLT +/- 0.5PF, COG, NPO, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H8RODZ01D SPC DOCUMENT 853844	N
80	2.00	EA		C22, C26			GRM1555C1HR75CZ*	CAPACITOR, 0.75PF, 50VOLT +/- 0.25PF, COG, NPO, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1HR75CZ01D SPC DOCUMENT TBD	N
81	3.00	EA		C7, C8, C9			GRM155R71C104KA*	CAPACITOR, 0.1UF, 16VOLT +/- 10%, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM155R71C104KA88D SPC DOCUMENT 853843	N
82	1.00	EA		C23			GRM1555C1H1R8CZ*	CAPACITOR, 1.8PF, 50VOLT +/- 0.25PF, COG, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H1R8CZ01D SPC DOCUMENT 853847	N
88	0.00	EA		(DNI : C33, C34, C36, C37, C50)			F921V104MAA	CAPACITOR, TANTALUM,	NI CH	NI CHI CON ELECTRONICS	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-01

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, NO EXTERNAL CONNS, GT

PAGE: 6 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
								0.1UF, 35VOLT, 20%, SMD	spcdoc	F921V104MAA SPC DOCUMENT 853376	
89	1.00	EA	C6				T491A106K010AT	CAPACITOR, TANTALUM, 10uF, +/- 10%, 10 VOLT, 3216 SIZEA	KEMET spcdoc	KEMET ELECTRONICS T491A106K010AT SPC DOCUMENT 853842	N
90	0.00	EA	(DNI: J1)				102972-2	CONNECTOR-BREAKAWAY, SINGLE ROW, VERTICLE, 2 POSITION	AMP spcdoc	AMP INCORPORATED 102972-2 SPC DOCUMENT 850267	N
91	0.00	EA	(DNI: J2)				FTSH-105-01-F-DV	CONNECTOR, MICRO-HEADER, 10 PIN, FTSH SERIES, .05 PITCH	SAMTEC spcdoc	SAMTEC ELECTRONICS FTSH-105-01-F-DV SPC DOCUMENT 853912	N
95	0.00	EA	(DNI: J4)				SM04B-GHS-TB(LF*)	CONNECTOR, HEADER, GH SIDE 4 POSITION, 1.25MM	JST spcdoc	JST SM04B-GHS-TB(LF) (SN) SPC DOCUMENT 853891	N
98	2.00	EA	E20, E21				R4027006	COUPLING, BRASS, BUSHING THRU-HOLE, HYPERSION SEAL	BROOKS spcdoc	EJ BROOKS COMPANY R4027006 SPC DOCUMENT 853870	N
100	1.00	EA	F2				MI CROSMDO10F-2	POLYSWITCH, 0.1 AMP, RESETABLE FUSE, SMD	TYCO spcdoc	TYCO ELECTRONICS MI CROSMDO10F-2 SPC DOCUMENT 854102	N
110	0.00	EA					20-3001NC-50ML	POTTING EPOXY, 2 PART, 1:1, 50 ML CARTRIDGE	EPOXIE spcdoc	WWW.EPOXIES.COM 20-3001NC-50ML SPC DOCUMENT 853480	N

TOTAL NO PAGES: 6

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-03
CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, W/ EXTERNAL CONNS, GT

PAGE: 1 OF 6

ITEM NO	REQ QTY	U/M	REFERENCE DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
1	0.00	EA			301982	SCHEMATIC, GLOBAL STRAP WITH ZIGBEE, GLOBAL TRAK	190033	SYSTEM PLANNING CORP. 301982	N
3	1.00	EA			406262-01	PCB, GLOBAL STRAP WITH ZIGBEE, GLOBAL TRAK	190033	SYSTEM PLANNING CORP. 406262-01	N
12	1.00	EA	U1		EM250-RTR	IC, EM250, SINGLE CHIP RF SOL, QFN-48, ZIGBEE/802.15.4	EMBER spcdoc	EMBER EM250-RTR SPC DOCUMENT 853861	N
13	1.00	EA	U2		TC1073-3.0VCH713	I.C., CMOS LDO, REG, 3.0V, 100mA, SOT23A-6	MI CROP spcdoc	MICROCHIP TECHNOLOGY INC TC1073-3.0VCH713 SPC DOCUMENT 853373	N
14	1.00	EA	U4		SN74LVC2G34DCKR	IC, DUAL BUFFER GATE, SC-70-6	T. I. spcdoc	TEXAS INSTRUMENTS SN74LVC2G34DCKR SPC DOCUMENT 854066	N
16	1.00	EA	U5		MAX3221EIPWR	IC, DRIVER/RECEIVER, RS232, 1 CHANNEL, 16-TSSOP	T. I. spcdoc	TEXAS INSTRUMENTS MAX3221EIPWR SPC DOCUMENT 853916	N
17	1.00	EA	U3		LPV321DCKR	I.C., OP AMP, SINGLE RAIL TO RAIL OUT, SC-70-05	T. I. spcdoc	TEXAS INSTRUMENTS LPV321DCKR SPC DOCUMENT 853380	N
19	1.00	EA	FB1		BLM15HG102SN1D	BEAD, FERRITE, FILTER CHIP, 1000 OHM, 250mA, 0402	MURATA spcdoc	MURATA ERIE BLM15HG102SN1D SPC DOCUMENT 853860	N
21	1.00	EA	Y1		ABM3B-24.000MHZ*	IC, CRYSTAL, 24.000MHZ, SMD	ABRACO spcdoc	ABRACON CORPORATION ABM3B-24.000MHZ-D-R60-1WT SPC DOCUMENT 854027	N
22	0.00	EA	(DNI: Y4)		AB26TRB-32.768K*	IC, CRYSTAL, 32.768MHZ, +/-20PPM, TOL=+/-12.5PPM STABILITY	ABRACO spcdoc	ABRACON CORPORATION AB26TRB-32.768KHZ-T SPC DOCUMENT 853863	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-03

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, W/ EXTERNAL CONNS, GT

PAGE: 2 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
24	2.00	EA	B1, B2				500672	ALTERED ITEM DRAWING, BATTERY, TADIRAN, TL-5955 GT	190033	SYSTEM PLANNING CORP. 500672	N
26	1.00	EA	DS2				SML-LX0603SIW-TR	IC, LED, RED, 2 VOLT, 20mA, 0603	LUMEX spcdoc	LUMEX OPTOELECTRONICS SML-LX0603SIW-TR SPC DOCUMENT 853868	N
27	1.00	EA	DS1				SML-LX0603SYW-TR	IC, LED, YELLOW, 2 VOLT, 20mA, 0603	LUMEX spcdoc	LUMEX OPTOELECTRONICS SML-LX0603SYW-TR SPC DOCUMENT 853865	N
29	2.00	EA	L5, L6				BLM18AG102SN1D	BEAD, FERRITE, FILTER CHIP, 1000 OHM 400mA, 0603	MURATA spcdoc	MURATA ERIE BLM18AG102SN1D SPC DOCUMENT 853887	N
30	2.00	EA	L1, L4				LQP15MN5N1B02	INDUCTOR, 5.1NH, +/-0.1 NH, 140mA, CHIP FILM, 0402	MURATA spcdoc	MURATA ERIE LQP15MN5N1B02 SPC DOCUMENT 853849	N
31	1.00	EA	L2				LQG18HN3N3S00D	INDUCTOR, 3.3nH, +/- 0.3 nH, MULTILAYER FILM, 0603	MURATA spcdoc	MURATA ERIE LQG18HN3N3S00D SPC DOCUMENT 851670	N
32	1.00	EA	L23				LQP15MN2NOB02	INDUCTOR, 2.0NH, +/-0.1 NH, 220mA, CHIP FILM, 0402	MURATA spcdoc	MURATA ERIE LQP15MN2NOB02 SPC DOCUMENT 853852	N
33	1.00	EA	L3				LQG18HN2N7S00D	INDUCTOR, 2.7NH, +/-0.3 NH, 300mA, 0603 MULTI- LAYER FILM	MURATA spcdoc	MURATA ERIE LQG18HN2N7S00D SPC DOCUMENT 853851	N
34	1.00	EA	D1				BAV99RWT1G	IC, DIODE, SWITCH, SS, DUAL 70 VOLT, SOT-323	ONSEMI spcdoc	ON SEMI CONDUCTOR BAV99RWT1G SPC DOCUMENT 854088	N
35	1.00	EA	D2				BAS7004E6327	IC, DIODE, SCHOTTKY, DUAL 70 VOLT, SOT-23	INFIN	INFINEON BAS7004E6327	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-03

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, W/ EXTERNAL CONNS, GT

PAGE: 3 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
								spcdoc	SPC DOCUMENT 853890	
36	0.00	EA		(DNI : D3, D4)		MBR0520L	DIODE, SCHOTTKY, 0.5AMPS 20 VOLT, SOD-123	FAIRCH	FAIRCHILD SEMI CONDUCTOR MBR0520L	N
								spcdoc	SPC DOCUMENT 854105	
43	2.00	EA		R1, R4		CRCW040210KOJNED	RESISTOR, CHIP, 10K OHM, 1/16 WATT, 5%, 0402, SMD	VI SHAY	VI SHAY, SPRAGUE CRCW040210KOJNED	N
								spcdoc	SPC DOCUMENT 853917	
48	1.00	EA		R20		ERJ-6ENF1000V	RESISTOR, CHIP, 100 OHM, 1/8 WATT, TOL=5%, SMD, 0805	PANAS	PANASONIC ELECTRONICS ERJ-6ENF1000V	N
								spcdoc	SPC DOCUMENT 853913	
49	4.00	EA		R15, R16, R18, R19 (DNI : R3, R14)		ERJ-6GEY0R00V	RESISTOR, CHIP, 0 OHM, 1/8 WATT, 5%, 0805, SMD	PANAS	PANASONIC ELECTRONICS ERJ-6GEY0R00V	N
								spcdoc	SPC DOCUMENT 853837	
50	3.00	EA		R12, R13, R24		ERJ-6GEYJ104V	RESISTOR, CHIP, 100K OHM 5%, 1/8 WATT, 0805 PACK, SMD	PANAS	PANASONIC ELECTRONICS ERJ-6GEYJ104V	N
								spcdoc	SPC DOCUMENT 852916	
51	1.00	EA		R17		ERJ-6GEYJ105V	RESISTOR, CHIP, 1MEG OHM 5%, 1/8 WATT, 0805 PACK, SMD	PANAS	PANASONIC ELECTRONICS ERJ-6GEYJ105V	N
								spcdoc	SPC DOCUMENT 853883	
52	2.00	EA		R5, R7		ERJ-2GEJ1R0X	RESISTOR, CHIP, 1 OHM, 5%, 1/16 WATT, 0402 PACK SMD	PANAS	PANASONIC ELECTRONICS ERJ-2GEJ1R0X	N
								spcdoc	SPC DOCUMENT 853855	
53	1.00	EA		R9		ERJ-2GEJ2R7X	RESISTOR, CHIP, 2.7 OHM, 5%, 1/16 WATT, 0402 PACK SMD	PANAS	PANASONIC ELECTRONICS ERJ-2GEJ2R7X	N
								spcdoc	SPC DOCUMENT 853858	
54	1.00	EA		R6		ERJ-2GEJ332X	RESISTOR, CHIP, 3.3K OHM 5%, 1/16 WATT, 0402 PACK SMD	PANAS	PANASONIC ELECTRONICS ERJ-2GEJ332X	N
								spcdoc	SPC DOCUMENT	

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-03

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, W/ EXTERNAL CONNS, GT

PAGE: 4 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
55	3.00	EA	R2, R10, R11				ERJ-2GEJ561X	RESISTOR, CHIP, 560 OHM 5%, 1/16 WATT, 0402 PACK SMD	PANAS spcdoc	853856 PANASONIC ELECTRONICS ERJ-2GEJ561X SPC DOCUMENT 853854	N
56	1.00	EA	R8				ERJ-2RKF1693X	RESISTOR, CHIP, 169K OHM 5%, 1/16 WATT, 0402 PACK SMD	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-2RKF1693X SPC DOCUMENT 853857	N
57	1.00	EA	R21				ERJ-3EKF1001V	RESISTOR, 1K OHM, 1/16 WATT, 1%, SMD, 0603,	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-3EKF101V SPC DOCUMENT 851466	N
58	1.00	EA	R22				ERJ-6ENF7500V	RESISTOR CHIP, 750 OHM, 1/8WATT, 1%, 0805, SMD	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-6ENF7500V SPC DOCUMENT 853382	N
59	1.00	EA	R23				ERJ-6GEYJ301V	RESISTOR CHIP, 300 OHM, 1/8WATT, 1%, 0805, SMD	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-6GEYJ301V SPC DOCUMENT 854187	N
65	3.00	EA	C24, C25, C58				ECJ-0EC1H010C	CAPACITOR, CHIP, 1pF, +/- 0.25pF, 50VOLT, COG, NPO, 0402	PANAS spcdoc	PANASONIC ELECTRONICS ECJ-0EC1H010C SPC DOCUMENT 853848	N
67	1.00	EA	C2				ECJ-1VF1A225Z	CAPACITOR, CHIP, 2.2uF, +/- 20%, 10 VOLT, 0603 PACKAGE	PANAS spcdoc	PANASONIC ELECTRONICS ECJ-1VF1A225Z SPC DOCUMENT 851731	N
68	3.00	EA	C28, C29, C30				ECJ-2FC2D101J	CAPACITOR, CHIP, 100pF, +/- 5%, 200 VOLT, 0805 PACKAGE	PANAS spcdoc	PANASONIC ELECTRONICS ECJ-2FC2D101J SPC DOCUMENT 853889	N
73	1.00	EA	C19				CC1206KRX7R9BB2*	CAPACITOR, CHIP, 220pF 50 VOLT, X7R, TOL=10% 1206	YAGEO spcdoc	YAGEO ELECTRONICS CC1206KRX7R9BB221 SPC DOCUMENT 854189	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-03

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, W/ EXTERNAL CONNS, GT

PAGE: 5 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
74	2.00	EA		C38, C39			GRM39X7R104K016D	CAPACITOR, SURFACE MT, 0.1uF, (0603)	MURATA spcdoc	MURATA ERIE GRM39X7R104K016AD SPC DOCUMENT 850221	N
75	1.00	EA		C18			GRM2165C2A201JA*	CAPACITOR, CERAMIC, 200pF 100 VOLT, 5% TOL, COG 0805	MURATA spcdoc	MURATA ERIE GRM2165C2A201JA01D SPC DOCUMENT 853888	N
76	10.00	EA		C1, C3, C10, C12-C17, C32			GRM155R71E103KA*	CAPACITOR, 10 NF, +/-10% 25 VOLT, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM155R71E103KA01D SPC DOCUMENT 853840	N
77	0.00	EA		(DNI : C21)			GRM1555C1H180JZ*	CAPACITOR, 18PF, 50VOLT +/- 0.25PF, COG, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H180JZ01D SPC DOCUMENT 853847	N
78	2.00	EA		C4, C5, (DNI : C20)			GRM1555C1H270JZ*	CAPACITOR, 27PF, 50VOLT +/- 5%, COG, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H270JZ01D SPC DOCUMENT 853841	N
79	1.00	EA		C11			GRM1555C1H8RODZ*	CAPACITOR, 8PF, 50VOLT +/- 0.5PF, COG, NPO, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H8RODZ01D SPC DOCUMENT 853844	N
80	2.00	EA		C22, C26			GRM1555C1HR75CZ*	CAPACITOR, 0.75PF, 50VOLT +/- 0.25PF, COG, NPO, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1HR75CZ01D SPC DOCUMENT TBD	N
81	3.00	EA		C7, C8, C9			GRM155R71C104KA*	CAPACITOR, 0.1UF, 16VOLT +/- 10%, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM155R71C104KA88D SPC DOCUMENT 853843	N
82	1.00	EA		C23			GRM1555C1H1R8CZ*	CAPACITOR, 1.8PF, 50VOLT +/- 0.25PF, COG, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H1R8CZ01D SPC DOCUMENT 853847	N
88	5.00	EA		C33, C34, C36, C37, C50			F921V104MAA	CAPACITOR, TANTALUM,	NI CH	NI CHI CON ELECTRONICS	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-03

CAGE NO.: 9G490

REVISION: A
REV DATE: 11/03/08
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP WITH ZIGBEE, W/ EXTERNAL CONNS, GT

PAGE: 6 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
								0.1UF, 35VOLT, 20%, SMD	spcdoc	F921V104MAA SPC DOCUMENT 853376	
89	1.00	EA	C6				T491A106K010AT	CAPACITOR, TANTALUM, 10uF, +/- 10%, 10 VOLT, 3216 SIZEA	KEMET spcdoc	KEMET ELECTRONICS T491A106K010AT SPC DOCUMENT 853842	N
90	1.00	EA	J1				102972-2	CONNECTOR-BREAKAWAY, SINGLE ROW, VERTICLE, 2 POSITION	AMP spcdoc	AMP INCORPORATED 102972-2 SPC DOCUMENT 850267	N
91	1.00	EA	J2				FTSH-105-01-F-DV	CONNECTOR, MICRO-HEADER, 10 PIN, FTSH SERIES, .05 PITCH	SAMTEC spcdoc	SAMTEC ELECTRONICS FTSH-105-01-F-DV SPC DOCUMENT 853912	N
95	1.00	EA	J4				SM04B-GHS-TB(LF*)	CONNECTOR, HEADER, GH SIDE 4 POSITION, 1.25MM	JST spcdoc	JST SM04B-GHS-TB(LF) (SN) SPC DOCUMENT 853891	N
98	2.00	EA	E20, E21				R4027006	COUPLING, BRASS, BUSHING THRU-HOLE, HYPERSION SEAL	BROOKS spcdoc	EJ BROOKS COMPANY R4027006 SPC DOCUMENT 853870	N
100	1.00	EA	F2				MI CROSMDO10F-2	POLYSWITCH, 0.1 AMP, RESETABLE FUSE, SMD	TYCO spcdoc	TYCO ELECTRONICS MI CROSMDO10F-2 SPC DOCUMENT 854102	N
110	0.00	EA					20-3001NC-50ML	POTTING EPOXY, 2 PART, 1:1, 50 ML CARTRIDGE	EPOXIE spcdoc	WWW.EPOXIES.COM 20-3001NC-50ML SPC DOCUMENT 853480	N

TOTAL NO PAGES: 6

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-05
CAGE NO.: 9G490

REVISION: A
REV DATE: 02/26/09
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP W/ZIGBEE, & PROGRAMMING INTERFACE

PAGE: 1 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
1		0.00	EA				301982	SCHEMATIC, GLOBAL STRAP WITH ZIGBEE, GLOBAL TRAK	190033	SYSTEM PLANNING CORP. 301982	N
3		1.00	EA				406262-01	PCB, GLOBAL STRAP WITH ZIGBEE, GLOBAL TRAK	190033	SYSTEM PLANNING CORP. 406262-01	N
12		1.00	EA	U1			EM250-RTR	IC, EM250, SINGLE CHIP RF SOL, QFN-48, ZIGBEE/ 802.15.4	EMBER spcdoc	EMBER EM250-RTR SPC DOCUMENT 853861	N
13		1.00	EA	U2			TC1073-3.0VCH713	I.C., CMOS LDO, REG, 3.0V, 100mA, SOT23A-6	MI CROP spcdoc	MICROCHIP TECHNOLOGY INC TC1073-3.0VCH713 SPC DOCUMENT 853373	N
14		1.00	EA	U4			SN74LVC2G34DCKR	IC, DUAL BUFFER GATE, SC-70-6	T. I. spcdoc	TEXAS INSTRUMENTS SN74LVC2G34DCKR SPC DOCUMENT 854066	N
16		0.00	EA	(DNI: U5)			MAX3221EIPWR	IC, DRIVER/RECEIVER, RS232, 1 CHANNEL, 16-TSSOP	T. I. spcdoc	TEXAS INSTRUMENTS MAX3221EIPWR SPC DOCUMENT 853916	N
17		1.00	EA	U3			LPV321DCKR	I.C., OP AMP, SINGLE RAIL TO RAIL OUT, SC-70-05	T. I. spcdoc	TEXAS INSTRUMENTS LPV321DCKR SPC DOCUMENT 853380	N
19		1.00	EA	FB1			BLM15HG102SN1D	BEAD, FERRITE, FILTER CHIP, 1000 OHM, 250mA, 0402	MURATA spcdoc	MURATA ERIE BLM15HG102SN1D SPC DOCUMENT 853860	N
21		1.00	EA	Y1			ABM3B-24.000MHZ*	IC, CRYSTAL, 24.000MHZ, SMD	ABRACO spcdoc	ABRACON CORPORATION ABM3B-24.000MHZ-D-R60-1WT SPC DOCUMENT 854027	N
22		0.00	EA	(DNI: Y4)			AB26TRB-32.768K*	IC, CRYSTAL, 32.768MHZ, +/-20PPM, TOL=+/-12.5PPM STABILITY	ABRACO spcdoc	ABRACON CORPORATION AB26TRB-32.768KHZ-T SPC DOCUMENT 853863	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-05

CAGE NO.: 9G490

REVISION: A
REV DATE: 02/26/09
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP W/ZIGBEE, & PROGRAMMING INTERFACE

PAGE: 2 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
24	2.00	EA	B1, B2				500672	ALTERED ITEM DRAWING, BATTERY, TADIRAN, TL-5955 GT	190033	SYSTEM PLANNING CORP. 500672	N
26	1.00	EA	DS2				SML-LX0603SIW-TR	IC, LED, RED, 2 VOLT, 20mA, 0603	LUMEX spcdoc	LUMEX OPTOELECTRONICS SML-LX0603SIW-TR SPC DOCUMENT 853868	N
27	1.00	EA	DS1				SML-LX0603SYW-TR	IC, LED, YELLOW, 2 VOLT, 20mA, 0603	LUMEX spcdoc	LUMEX OPTOELECTRONICS SML-LX0603SYW-TR SPC DOCUMENT 853865	N
29	2.00	EA	L5, L6				BLM18AG102SN1D	BEAD, FERRITE, FILTER CHIP, 1000 OHM 400mA, 0603	MURATA spcdoc	MURATA ERIE BLM18AG102SN1D SPC DOCUMENT 853887	N
30	2.00	EA	L1, L4				LQP15MN5N1B02	INDUCTOR, 5.1NH, +/-0.1 NH, 140mA, CHIP FILM, 0402	MURATA spcdoc	MURATA ERIE LQP15MN5N1B02 SPC DOCUMENT 853849	N
31	1.00	EA	L2				LQG18HN3N3S00D	INDUCTOR, 3.3nH, +/- 0.3 nH, MULTILAYER FILM, 0603	MURATA spcdoc	MURATA ERIE LQG18HN3N3S00D SPC DOCUMENT 851670	N
32	1.00	EA	L23				LQP15MN2NOB02	INDUCTOR, 2.0NH, +/-0.1 NH, 220mA, CHIP FILM, 0402	MURATA spcdoc	MURATA ERIE LQP15MN2NOB02 SPC DOCUMENT 853852	N
33	1.00	EA	L3				LQG18HN2N7S00D	INDUCTOR, 2.7NH, +/-0.3 NH, 300mA, 0603 MULTI- LAYER FILM	MURATA spcdoc	MURATA ERIE LQG18HN2N7S00D SPC DOCUMENT 853851	N
34	1.00	EA	D1				BAV99RWT1G	IC, DIODE, SWITCH, SS, DUAL 70 VOLT, SOT-323	ONSEMI spcdoc	ON SEMI CONDUCTOR BAV99RWT1G SPC DOCUMENT 854088	N
35	1.00	EA	D2				BAS7004E6327	IC, DIODE, SCHOTTKY, DUAL 70 VOLT, SOT-23	INFIN	INFINEON BAS7004E6327	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-05

CAGE NO.: 9G490

REVISION: A
REV DATE: 02/26/09
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP W/ZIGBEE, & PROGRAMMING INTERFACE

PAGE: 3 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
								spcdoc	SPC DOCUMENT 853890	
36	0.00	EA		(DNI : D3, D4)		MBR0520L	DIODE, SCHOTTKY, 0.5AMPS 20 VOLT, SOD-123	FAIRCH	FAIRCHILD SEMI CONDUCTOR MBR0520L	N
								spcdoc	SPC DOCUMENT 854105	
43	2.00	EA		R1, R4		CRCW040210K0JNED	RESISTOR, CHIP, 10K OHM, 1/16 WATT, 5%, 0402, SMD	VI SHAY	VI SHAY, SPRAGUE CRCW040210K0JNED	N
								spcdoc	SPC DOCUMENT 853917	
48	1.00	EA		R20		ERJ-6ENF1000V	RESISTOR, CHIP, 100 OHM, 1/8 WATT, TOL=5%, SMD, 0805	PANAS	PANASONIC ELECTRONICS ERJ-6ENF1000V	N
								spcdoc	SPC DOCUMENT 853913	
49	4.00	EA		R15, R16, R18, R19 (DNI : R3, R14)		ERJ-6GEY0R00V	RESISTOR, CHIP, 0 OHM, 1/8 WATT, 5%, 0805, SMD	PANAS	PANASONIC ELECTRONICS ERJ-6GEY0R00V	N
								spcdoc	SPC DOCUMENT 853837	
50	3.00	EA		R12, R13, R24		ERJ-6GEYJ104V	RESISTOR, CHIP, 100K OHM 5%, 1/8 WATT, 0805 PACK, SMD	PANAS	PANASONIC ELECTRONICS ERJ-6GEYJ104V	N
								spcdoc	SPC DOCUMENT 852916	
51	1.00	EA		R17		ERJ-6GEYJ105V	RESISTOR, CHIP, 1MEG OHM 5%, 1/8 WATT, 0805 PACK, SMD	PANAS	PANASONIC ELECTRONICS ERJ-6GEYJ105V	N
								spcdoc	SPC DOCUMENT 853883	
52	2.00	EA		R5, R7		ERJ-2GEJ1R0X	RESISTOR, CHIP, 1 OHM, 5%, 1/16 WATT, 0402 PACK SMD	PANAS	PANASONIC ELECTRONICS ERJ-2GEJ1R0X	N
								spcdoc	SPC DOCUMENT 853855	
53	1.00	EA		R9		ERJ-2GEJ2R7X	RESISTOR, CHIP, 2.7 OHM, 5%, 1/16 WATT, 0402 PACK SMD	PANAS	PANASONIC ELECTRONICS ERJ-2GEJ2R7X	N
								spcdoc	SPC DOCUMENT 853858	
54	1.00	EA		R6		ERJ-2GEJ332X	RESISTOR, CHIP, 3.3K OHM 5%, 1/16 WATT, 0402 PACK SMD	PANAS	PANASONIC ELECTRONICS ERJ-2GEJ332X	N
								spcdoc	SPC DOCUMENT	

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-05

CAGE NO.: 9G490

REVISION: A
REV DATE: 02/26/09
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP W/ZIGBEE, & PROGRAMMING INTERFACE

PAGE: 4 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
55	3.00	EA	R2, R10, R11				ERJ-2GEJ561X	RESISTOR, CHIP, 560 OHM 5%, 1/16 WATT, 0402 PACK SMD	PANAS spcdoc	853856 PANASONIC ELECTRONICS ERJ-2GEJ561X SPC DOCUMENT 853854	N
56	1.00	EA	R8				ERJ-2RKF1693X	RESISTOR, CHIP, 169K OHM 5%, 1/16 WATT, 0402 PACK SMD	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-2RKF1693X SPC DOCUMENT 853857	N
57	1.00	EA	R21				ERJ-3EKF1001V	RESISTOR, 1K OHM, 1/16 WATT, 1%, SMD, 0603,	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-3EKF101V SPC DOCUMENT 851466	N
58	1.00	EA	R22				ERJ-6ENF7500V	RESISTOR CHIP, 750 OHM, 1/8WATT, 1%, 0805, SMD	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-6ENF7500V SPC DOCUMENT 853382	N
59	1.00	EA	R23				ERJ-6GEYJ301V	RESISTOR CHIP, 300 OHM, 1/8WATT, 1%, 0805, SMD	PANAS spcdoc	PANASONIC ELECTRONICS ERJ-6GEYJ301V SPC DOCUMENT 854187	N
65	3.00	EA	C24, C25, C58				ECJ-0EC1H010C	CAPACITOR, CHIP, 1pF, +/- 0.25pF, 50VOLT, COG, NPO, 0402	PANAS spcdoc	PANASONIC ELECTRONICS ECJ-0EC1H010C SPC DOCUMENT 853848	N
67	1.00	EA	C2				ECJ-1VF1A225Z	CAPACITOR, CHIP, 2.2uF, +/- 20%, 10 VOLT, 0603 PACKAGE	PANAS spcdoc	PANASONIC ELECTRONICS ECJ-1VF1A225Z SPC DOCUMENT 851731	N
68	3.00	EA	C28, C29, C30				ECJ-2FC2D101J	CAPACITOR, CHIP, 100pF, +/- 5%, 200 VOLT, 0805 PACKAGE	PANAS spcdoc	PANASONIC ELECTRONICS ECJ-2FC2D101J SPC DOCUMENT 853889	N
73	1.00	EA	C19				CC1206KRX7R9BB2*	CAPACITOR, CHIP, 220pF 50 VOLT, X7R, TOL=10% 1206	YAGEO spcdoc	YAGEO ELECTRONICS CC1206KRX7R9BB221 SPC DOCUMENT 854189	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-05

CAGE NO.: 9G490

REVISION: A
REV DATE: 02/26/09
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP W/ZIGBEE, & PROGRAMMING INTERFACE

PAGE: 5 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
74	2.00	EA		C38, C39			GRM39X7R104K016D	CAPACITOR, SURFACE MT, 0.1uF, (0603)	MURATA spcdoc	MURATA ERIE GRM39X7R104K016AD SPC DOCUMENT 850221	N
75	1.00	EA		C18			GRM2165C2A201JA*	CAPACITOR, CERAMIC, 200pF 100 VOLT, 5% TOL, COG 0805	MURATA spcdoc	MURATA ERIE GRM2165C2A201JA01D SPC DOCUMENT 853888	N
76	10.00	EA		C1, C3, C10, C12-C17, C32			GRM155R71E103KA*	CAPACITOR, 10 NF, +/-10% 25 VOLT, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM155R71E103KA01D SPC DOCUMENT 853840	N
77	0.00	EA		(DNI : C21)			GRM1555C1H180JZ*	CAPACITOR, 18PF, 50VOLT +/- 0.25PF, COG, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H180JZ01D SPC DOCUMENT 853847	N
78	2.00	EA		C4, C5, (DNI : C20)			GRM1555C1H270JZ*	CAPACITOR, 27PF, 50VOLT +/- 5%, COG, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H270JZ01D SPC DOCUMENT 853841	N
79	1.00	EA		C11			GRM1555C1H8RODZ*	CAPACITOR, 8PF, 50VOLT +/- 0.5PF, COG, NPO, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H8RODZ01D SPC DOCUMENT 853844	N
80	2.00	EA		C22, C26			GRM1555C1HR75CZ*	CAPACITOR, 0.75PF, 50VOLT +/- 0.25PF, COG, NPO, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1HR75CZ01D SPC DOCUMENT TBD	N
81	3.00	EA		C7, C8, C9			GRM155R71C104KA*	CAPACITOR, 0.1UF, 16VOLT +/- 10%, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM155R71C104KA88D SPC DOCUMENT 853843	N
82	1.00	EA		C23			GRM1555C1H1R8CZ*	CAPACITOR, 1.8PF, 50VOLT +/- 0.25PF, COG, X7R, 0402	MURATA spcdoc	MURATA ERIE GRM1555C1H1R8CZ01D SPC DOCUMENT 853847	N
88	0.00	EA		(DNI : C33, C34, C36, C37, C50)			F921V104MAA	CAPACITOR, TANTALUM,	NI CH	NI CHI CON ELECTRONICS	N

PARTS LIST

SYSTEM PLANNING CORPORATION
1000 WILSON BLVD
ARLINGTON, VA 22209

PL - 202937-05

CAGE NO.: 9G490

REVISION: A
REV DATE: 02/26/09
LIST DATE: 02/26/09

LIST TITLE: PCB ASSY, GLOBAL STRAP W/ZIGBEE, & PROGRAMMING INTERFACE

PAGE: 6 OF 6

ITEM NO	REQ	QTY	U/M	REFERENCE	DESIGNATORS	CAGE NO.	COMPONENT /SUBSTITUTE	COMPONENT DESCRIPTION	MFG ID	MANUFACTURER NAME MANUFACTURER PART NO	SUB ASY
								0.1UF, 35VOLT, 20%, SMD	spcdoc	F921V104MAA SPC DOCUMENT 853376	
89	1.00	EA	C6				T491A106K010AT	CAPACITOR, TANTALUM, 10uF, +/- 10%, 10 VOLT, 3216 SIZEA	KEMET spcdoc	KEMET ELECTRONICS T491A106K010AT SPC DOCUMENT 853842	N
90	0.00	EA	(DNI: J1)				102972-2	CONNECTOR-BREAKAWAY, SINGLE ROW, VERTICLE, 2 POSITION	AMP spcdoc	AMP INCORPORATED 102972-2 SPC DOCUMENT 850267	N
91	1.00	EA	J2				FTSH-105-01-F-DV	CONNECTOR, MICRO-HEADER, 10 PIN, FTSH SERIES, .05 PITCH	SAMTEC spcdoc	SAMTEC ELECTRONICS FTSH-105-01-F-DV SPC DOCUMENT 853912	N
95	0.00	EA	(DNI: J4)				SM04B-GHS-TB(LF*)	CONNECTOR, HEADER, GH SIDE 4 POSITION, 1.25MM	JST spcdoc	JST SM04B-GHS-TB(LF) (SN) SPC DOCUMENT 853891	N
98	2.00	EA	E20, E21				R4027006	COUPLING, BRASS, BUSHING THRU-HOLE, HYPERSION SEAL	BROOKS spcdoc	EJ BROOKS COMPANY R4027006 SPC DOCUMENT 853870	N
100	1.00	EA	F2				MI CROSMDO10F-2	POLYSWITCH, 0.1 AMP, RESETABLE FUSE, SMD	TYCO spcdoc	TYCO ELECTRONICS MI CROSMDO10F-2 SPC DOCUMENT 854102	N
110	0.00	EA					20-3001NC-50ML	POTTING EPOXY, 2 PART, 1:1, 50 ML CARTRIDGE	EPOXIE spcdoc	WWW.EPOXIES.COM 20-3001NC-50ML SPC DOCUMENT 853480	N

TOTAL NO PAGES: 6

- NOTES:
1. ASSEMBLE IN ACCORDANCE WITH SPC WORKMANSHIP OR IPC-610 CLASS 2 STANDARDS.
 2. SERIAL NUMBERS TO BE DEFINED AT TIME OF FINAL ASSEMBLY Q.A. INSPECTION.
 3. BATTERY DATE MARKINGS MUST MATCH BEFORE INSTALL. TEST BATTERY VOLTAGE LEVELS WITH MULTIMETER, THEY MUST MATCH IN ORDER TO INSTALL. THE BATTERIES SHOULD BE AT 3.66V, IF THEY ARE NOT WITHIN +/- 0.03 VOLTS OF 3.66V OR EACH OTHER, SET ASIDE(TO BE USE LATER), GET ANOTHER BATTERY TO TEST AND MATCH.
 4. BRASS BUSHINGS SHOULD BE SOLDERED ON THE MARKED SIDE. DO NOT SOLDER ON OPPOSITE SIDE.
 5. BEFORE THE BATTERIES ARE SOLDERED TO THE BOARD, APPLY EPOXY MATERIAL ALONG THE PCB AND BATTERY JOINT AS SHOWN.

