



Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
<b>NUMBER OF BOARDS =</b>					<b>225</b>
1	1	BRD1	SMARTMESH IP NODE, 2.4GHz, 802.15.4e, WIRELESS MOTE MODULE	LINEAR TECH, LTP5901PC-IPMA1D0#PBF	225
2	8	C1-C4, C10-C13	CAP, CHIP, 2.2µF, 25V, ±10%, X7R, 0805	WURTH ELEKTRONIK, 885012207079	1800
3	1	C5	CAP, CHIP, 1µF, 10V, ±10%, X7R, 0805	WURTH ELEKTRONIK, 885012207022	225
4	6	C6-C9, C14-C15	CAP, CHIP, 2.2µF, 16V, ±10%, X7R, 0805	WURTH ELEKTRONIK, 885012207052	1350
5	1	C16	CAP, CHIP, 2.2µF, 10V, ±10%, X7R, 0805	WURTH ELEKTRONIK, 885012207024	225
6	2	C17, C21	CAP, CHIP, 0.22µF, <b>10V</b> , ±10%, X7R, 0603	WURTH ELEKTRONIK, 885012206022	450
7	3	C18, C25-C26	CAP, CHIP, 1µF, 10V, ±10%, X7R, 0603	WURTH ELEKTRONIK, 885012206026	675
8	2	C19, C24	CAP, CHIP, 0.01µF, <b>10V</b> , ±10%, X7R, 0603	WURTH ELEKTRONIK, 885012206014	450
9	1	C20	CAP, CHIP, 10µF, 6.3V, ±20%, X5R, 0603	WURTH ELEKTRONIK, 885012106006	225
10	0	C22-C23 (OPT)	CAP, CHIP, 47pF, 10V, ±5%, C0G, 0603	WURTH ELEKTRONIK, 885012006006	0
11	6	D1-D2, D5, D7-D9	DIODE, SCHOTTKY, 30V, 0.1A, SOD-523	CENTRAL SEMICONDUCTOR, CMOSH-3	1350
12	0	D3 (OPT)	DIODE ZENER 3.6V 500MW MINIMELF	MICRO COMMERCIAL, BZV55C3V6-TP	0
13	0	D4 (DOES NOT EXIST)	---	---	0
14	2	D6, D10	DIODE, LOW-LEAKAGE, 75V, 250MA, SOT23	CENTRAL SEMI., CMPD6001 <b>TR PBFREE</b>	450
15	1	DB1	SHIELD BOARD FOR DC2321A	LINEAR TECH, DC2510A	225
16	7	E1-E7	TURRET, 0.061 DIA	MILL-MAX, 2308-2-00-80-00-00-07-0	1575
17	1	EPD1	1.44" E-PAPER DISPLAY	PERVASIVE DISPLAYS, E1144CS021	225
18	1	J1	2X10, 20-PIN, RIGHT ANGLE MALE HEADER (WITH KEY PIN 14), 0.100"	WURTH ELEKTRONIK, 61302021021	225
19	1	J2	2x5, 1.27MM PITCH, VERTICAL MALE HEADER (WITH KEY PIN 7)	WURTH ELEKTRONIK, 62201021121	225
20	1	J3	2x5, 2.00MM PITCH, VERTICAL MALE HEADER	WURTH ELEKTRONIK, 62001021121	225
21	2	J4, J6	2x16, 2MM PITCH, VERTICAL SOCKET	WURTH ELEKTRONIK, 62003221821	450
22	1	J5	2 PIN, 2MM PITCH, VERTICAL SOCKET	WURTH ELEKTRONIK, 62000211821	225
23	1	J7	MICRO USB CONNECTOR	WURTH ELEKTRONIK, 629105136821	225
24	1	J8	40-PIN, 0.5MM PITCH, HORIZ FCP CONNECTOR WITH BOTTOM CONTACTS	WURTH ELEKTRONIK, 68714014522	225
25	0	J9 (OPT)	CONN, HEADER, 2.54MM, 20POS, GOLD, SMD	SULLINS, SBH11-NBPC-D10-SM-BK	0
26	1	PB1	SWITCH, TACTILE, SPST-NO, 0.05A 12V	WÜRTH, 434111025826	225
27	3	Q1, Q8, Q9	MOSFET, N/P-CH, 20V, 660mA, SC70-6	VISHAY, SI1553CDL-T1-GE3	675
28	2	Q2, Q3	N-CHANNEL MOSFET, 60V, SOT-323	FAIRCHILD, 2N7002KW	450
29	3	Q4, Q5, Q6	MOSFET N-CH 20V 4.1A SOT23	DIODES INC., ZXMN2F30FH7A	675
30	1	Q7	MOSFET 2N-CH 30V 5.7A 8SOIC	DIODES INC., ZXMN3F31DN8TA	225
31	17	R1-R8, R26, R32, R41-R46, R49	RES, CHIP, 0Ω, 1/10W, 0603	VISHAY, CRCW06030000Z0EA	3825
32	1	R9	RES, CHIP, 2kΩ, ±1%, 1/10W, 0603	PANASONIC, ERJ-3EKF2001V	225
33	2	R10, R19	RES, CHIP, 5.1MΩ, ±5%, 1/10W, 0603	PANASONIC, ERJ-3GEYJ515V	450
34	11	R11-R17, R29-R31, R48	RES, CHIP, 10MΩ, ±5%, 1/10W, 0603	PANASONIC, ERJ3GEYJ106V	2475
35	1	R18	RES, CHIP, 2MΩ, 1/10W, ±5%, 0603	PANASONIC, ERJ-3GEYJ205V	225
36	11	R20-R23, R35-R40, R47	RES, CHIP, 10kΩ, 1/10W, 0603	PANASONIC, ERJ-3EKF1002V	2475
37	2	R24, R25	RES, CHIP, 3.32Ω, 1%, 1/8W, 0805	VISHAY, CRCW08053R32FKEA	450
38	0	R27, R28 (OPT)	RES, CHIP, 0Ω, 1/10W, 0603	VISHAY, CRCW06030000Z0EA	0
39	2	R33, R34	RES, CHIP, 1KΩ, 1%, 1/10W, 0603	VISHAY, CRCW06031K00FKEA	450
40	2	R50, R51	RES, CHIP, 300M, 5%, 0805	VISHAY, CRCW0805300MJP6AHR	450
41	1	SW1	DP3T SLIDE SWITCH, 12mmx3.5mm, 0.2A 12VDC	COPAL, CL-SB-23A-01T	225
42	2	SW2, SW4	DPDT SLIDE SWITCH, 8.5mm x 3.5mm, 0.2A 12VDC	COPAL, CL-SB-22A-01T	450
43	1	SW3	5xSPST, SMD, LOW-PROFILE, DIP SWITCH, 1.27mm PITCH	WURTH ELEKTRONIK, 416131160805	225
44	1	U1	2-CHANNEL, 2-WIRE BUS MULTIPLEXER WITH CAPACITANCE BUFFERING	LINEAR TECH, LTC4305CDHD#PBF	225
45	2	U2, U3	BATTERY GAS GAUGE W/ TEMPERATURE & VOLTAGE MEASUREMENT	LINEAR TECH, LTC2942CDCB#TRMPBF	450
46	2	U4, U5	DUAL OP AMPS, CHOPPER, R-R OUTPUT, 8SO	LINEAR TECH, LTC2051CS8#PBF	450
47	1	U6	3.3V, 100 mA, LOW NOISE, LDO MICROPOWER REGULATOR, TSOT23-5	LINEAR TECH, LT1761ES5-3.3#PBF	225
48	1	U7	IC USB TO I2C BRIDGE DEVICE 14TS	MICROCHIP, MCP2221-I/ST	225
49	1	U8	IC, UHS UNIV. CONFIG. TWO-INPUT GATES, SC70-6	FAIRCHILD, NC7SZ58P6X	225
50	0.001	---	SCOTCH, REMOVABLE POSTER TAPE W/DISPENSER, 0.75in.x150in. (cut to 0.75in. X 1.5in.)	3M, MMM109	0.261
51	5	STANDOFF (NOT IN EH KIT)*	STANDOFF, HEX .625"L, 4-40, THR NYLON	KEYSTONE, 1902F	1125
52	5	SCREW (NOT IN EH KIT)*	SCREW, MACH, PHIL, 4-40, .250 IN, NYLON	B&F FASTENER SUPPLY, NY PMS 440 0025 PH	1125
53	1	---	FAB, PRINTED CIRCUIT BOARD	DEMO CIRCUIT 2321A	0
54	2	---	STENCILS TOP & BOTTOM	STENCILS, DC2321A	0

Item	Qty	Reference	Part Description	Manufacturer / Part #
<b>REQUIRED CIRCUIT COMPONENTS:</b>				
1	1	BRD1	SMARTMESH IP NODE, 2.4GHz, 802.15.4e, WIRELESS MOTE MODULE	LINEAR TECH, LTP5901PC-IPMA1D0#PBF
2	10	R11-R17, R29-R31	RES, CHIP, 10MΩ, ±5%, 1/10W, 0603	PANASONIC, ERJ3GEYJ106V
<b>DISPLAY COMPONENTS:</b>				
3	8	C1-C4, C10-C13	CAP, CHIP, 2.2μF, 25V, ±10%, X7R, 0805	WURTH ELEKTRONIK, 885012207079
4	1	C5	CAP, CHIP, 1μF, 10V, ±10%, X7R, 0805	WURTH ELEKTRONIK, 885012207022
5	6	C6-C9, C14-C15	CAP, CHIP, 2.2μF, 16V, ±10%, X7R, 0805	WURTH ELEKTRONIK, 885012207052
6	1	C16	CAP, CHIP, 2.2μF, 10V, ±10%, X7R, 0805	WURTH ELEKTRONIK, 885012207024
7	1	D1	DIODE, SCHOTTKY, 30V, 0.1A, SOD-523	CENTRAL SEMICONDUCTOR, CMOSH-3
8	1	EPD1	1.44" E-PAPER DISPLAY	PERVASIVE DISPLAYS, E1144CS021
9	1	Q1	MOSFET, N/P-CH, 20V, 660mA, SC70-6	VISHAY, SI1553CDL-T1-GE3
10	2	Q2, Q3	N-CHANNEL MOSFET, 60V, SOT-323	FAIRCHILD, 2N7002KW
11	1	R9	RES, CHIP, 2kΩ, ±1%, 1/10W, 0603	PANASONIC, ERJ-3EKF2001V
12	1	R10	RES, CHIP, 5.1MΩ, ±5%, 1/10W, 0603	PANASONIC, ERJ-3GEYJ515V
13	1	R48	RES, CHIP, 10MΩ, ±1%, 1/10W, 0603	SAMSUNG, RC1608F106CS
<b>ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:</b>				
14	0	C22-C23 (OPT)	CAP, CHIP, 47pF, 10V, ±5%, C0G, 0603	WURTH ELEKTRONIK, 885012006006
15	0	D3 (OPT)	DIODE ZENER 3.6V 500MW MINIMELF	MICRO COMMERCIAL, BZV55C3V6-TP
16	0	D4 (DOES NOT EXIST)	---	---
17	0	R27, R28 (OPT)	RES, CHIP, 0Ω, 1/10W, 0603	VISHAY, CRCW06030000Z0EA
<b>HARDWARE FOR DEMO BOARD ONLY:</b>				
18	2	C17, C21	CAP, CHIP, 0.22μF, 10V, ±10%, X7R, 0603	WURTH ELEKTRONIK, 885012206022
19	3	C18, C25-C26	CAP, CHIP, 1μF, 10V, ±10%, X7R, 0603	WURTH ELEKTRONIK, 885012206026
20	2	C19, C24	CAP, CHIP, 0.01μF, 10V, ±10%, X7R, 0603	WURTH ELEKTRONIK, 885012206014
21	1	C20	CAP, CHIP, 10μF, 6.3V, ±20%, X5R, 0603	WÜRTH, 885012106006
22	5	D2, D5, D7-D9	DIODE, SCHOTTKY, 30V, 0.1A, SOD-523	CENTRAL SEMICONDUCTOR, CMOSH-3
23	2	D6, D10	DIODE, LOW-LEAKAGE, 75V, 250MA, SOT23	CENTRAL SEMICONDUCTOR, CMPD6001
24	1	DB1	SHIELD BOARD FOR DC2321A	LINEAR TECH, DC2510A
25	7	E1-E7	TURRET, 0.061 DIA	MILL-MAX, 2308-2-00-80-00-00-07-0
26	1	J1	2X10, 20-PIN, RIGHT ANGLE MALE HEADER (WITH KEY PIN 14), 0.100"	WURTH ELEKTRONIK, 61302021021
27	1	J2	2x5, 1.27MM PITCH, VERTICAL MALE HEADER (WITH KEY PIN 7)	WURTH ELEKTRONIK, 62201021121
28	1	J3	2x5, 2.00MM PITCH, VERTICAL MALE HEADER	WURTH ELEKTRONIK, 62001021121
29	2	J4, J6	2x16, 2MM PITCH, VERTICAL SOCKET	WURTH ELEKTRONIK, 62003221821
30	1	J5	2 PIN, 2MM PITCH, VERTICAL SOCKET	WURTH ELEKTRONIK, 62000211821
31	1	J7	MICRO USB CONNECTOR	WURTH ELEKTRONIK, 629105136821
32	1	J8	40-PIN, 0.5MM PITCH, HORIZ FCP CONNECTOR WITH BOTTOM CONTACTS	WURTH ELEKTRONIK, 68714014522
33	0	J9 (OPT)	CONN, HEADER, 2.54MM, 20POS, GOLD, SMD	SULLINS, SBH11-NBPC-D10-SM-BK
34	1	PB1	SWITCH, TACTILE, SPST-NO, 0.05A 12V	WÜRTH, 434111025826
35	2	Q8, Q9	MOSFET, N/P-CH, 20V, 660mA, SC70-6	VISHAY, SI1553CDL-T1-GE3
36	3	Q4, Q5, Q6	MOSFET N-CH 20V 4.1A SOT23	DIODES INC., ZXMN2F30FHFA
37	1	Q7	MOSFET 2N-CH 30V 5.7A 8SOIC	DIODES INC., ZXMN3F31DN8TA
38	17	R1-R8, R26, R32, R41-R46, R49	RES, CHIP, 0Ω, 1/10W, 0603	VISHAY, CRCW06030000Z0EA
39	1	R18	RES, CHIP, 2MΩ, 1/10W, ±5%, 0603	PANASONIC, ERJ-3GEYJ205V
40	1	R19	RES, CHIP, 5.1MΩ, ±5%, 1/10W, 0603	PANASONIC, ERJ-3GEYJ515V
41	11	R20-R23, R35-R40, R47	RES, CHIP, 10kΩ, 1/10W, 0603	PANASONIC, ERJ-3EKF1002V
42	2	R24, R25	RES, CHIP, 3.32Ω, 1%, 1/8W, 0805	VISHAY, CRCW08053R32FKEA
43	2	R33, R34	RES, CHIP, 1KΩ, 1%, 1/10W, 0603	VISHAY, CRCW06031K00FKEA
44	2	R50, R51	RES, CHIP, 300M, 5%, 0805	VISHAY, CRCW0805300MJPEAHR
45	1	SW1	DP3T SLIDE SWITCH, 12mmx3.5mm, 0.2A 12VDC	COPAL, CL-SB-23A-01T
46	2	SW2, SW4	DPDT SLIDE SWITCH, 8.5mm x 3.5mm, 0.2A 12VDC	COPAL, CL-SB-22A-01T
47	1	SW3	5xSPST, SMD, LOW-PROFILE, DIP SWITCH, 1.27mm PITCH	WURTH ELEKTRONIK, 416131160805
48	1	U1	2-CHANNEL, 2-WIRE BUS MULTIPLEXER WITH CAPACITANCE BUFFERING	LINEAR TECH, LTC4305CDHD#PBF
49	2	U2, U3	BATTERY GAS GAUGE W/ TEMPERATURE & VOLTAGE MEASUREMENT	LINEAR TECH, LTC2942CDCB#TRMPBF
50	2	U4, U5	DUAL OP AMPS, CHOPPER, R-R OUTPUT, 8SO	LINEAR TECH, LTC2051CS8#PBF
51	1	U6	3.3V, 100 mA, LOW NOISE, LDO MICROPOWER REGULATOR, TSOT23-5	LINEAR TECH, LT1761ES5-3.3#PBF
52	1	U7	IC USB TO I2C BRIDGE DEVICE 14TS	MICROCHIP, MCP2221-I/ST
53	1	U8	IC, UHS UNIV. CONFIG. TWO-INPUT GATES, SC70-6	FAIRCHILD, NC7SZ58P6X
54	0.001	---	SCOTCH, REMOVABLE POSTER TAPE W/DISPENSER, 0.75in.x150in. (cut to 0.75in. X	3M, MMM109
55	5	STANDOFF (NOT IN EH KIT)*	STANDOFF, HEX .625"L, 4-40, THR NYLON	KEYSTONE, 1902F
56	5	SCREW (NOT IN EH KIT)*	SCREW, MACH, PHIL, 4-40, .250 IN, NYLON	B&F FASTENER SUPPLY, NY PMS 440 0025 PH
57	1	---	FAB, PRINTED CIRCUIT BOARD	DEMO CIRCUIT 2321A
58	2	---	STENCILS TOP & BOTTOM	STENCILS, DC2321A

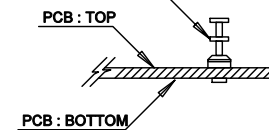
\*Parts labeled "NOT IN EH KIT" (items 55 and 56) are omitted from boards used in Würth Elektronik's Gleanergy EH / WSN Development Platform. These parts will be populated on boards built by Linear Technology.

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPR	DATE
-	5	PRODUCTION	ZP	2-29-16

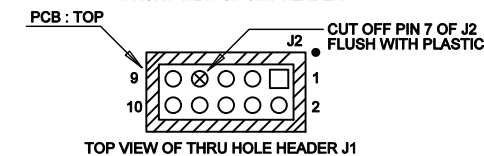
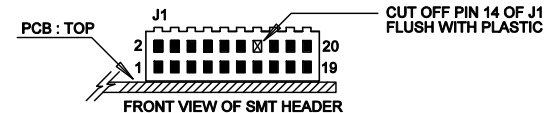
# NOTES: UNLESS OTHERWISE SPECIFIED

1. WORKMANSHIP SHALL BE IN ACCORDANCE WITH IPC-A-810.
2. ASSEMBLY REFLOW PROFILE SHALL BE IN ACCORDANCE WITH J-STD-020 WITH MAXIMUM SOLDER TEMPERATURE OF 250 DEGREES CELSIUS.
3. PARTS TO OMIT WILL BE SPECIFIED ON THE BILL OF MATERIALS. LOCATIONS OF OMITTED PARTS SHALL BE FREE OF SOLDER. MASK THE SOLDER STENCIL WHERE SMT PARTS ARE OMITTED.
4. INSTALL SHUNTS AS SHOWN ON ASSY DRAWING.
5. DEPANELIZE BOARDS AFTER ASSEMBLY AND ROUTE-OUT THE BREAKOUT TABS ON FOUR SIDES OF THE BOARD EDGE.
6. INSTALL TURRETS SHOWN BELOW:

(6PLCS) : MILL-MAX 2308-2

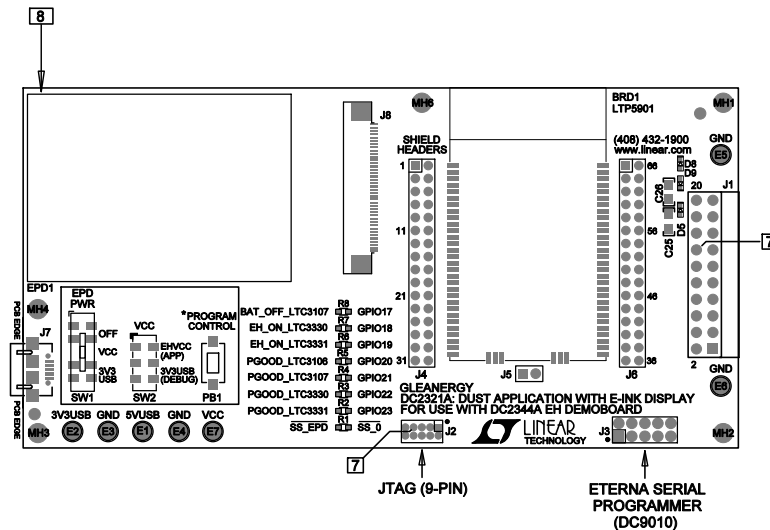


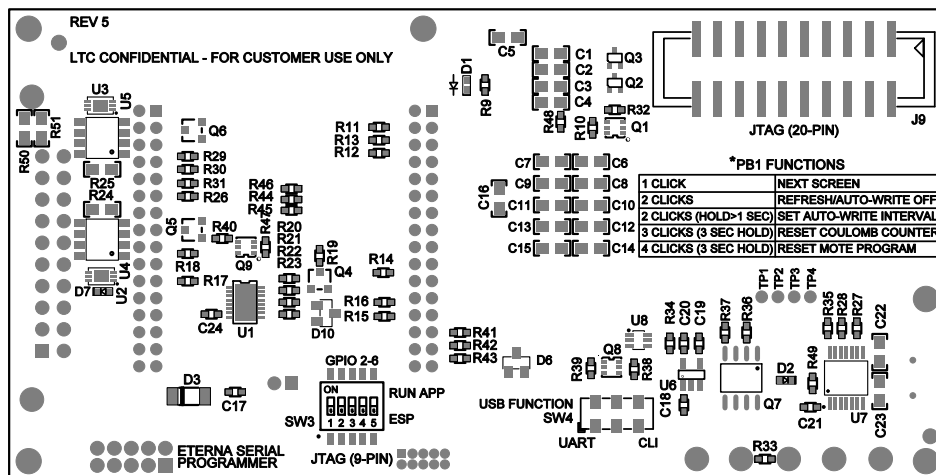
7. HEADER J1 PIN 14 NEEDS TO BE CUT AS SHOWN BELOW. HEADER J2 PIN 7 NEEDS TO BE CUT AS SHOWN BELOW.



8. RECOMMENDED DISPLAY INSTALLATION PROCEDURE:  
NOTE: EPD1 (DISPLAY) SHOULD BE INSTALLED AFTER WASHING


- STEP 1. PLACE A PIECE OF 1" x 1.5" DOUBLE-SIDED TAPE IN THE BOX WHERE EPD1 WILL BE INSTALLED ON THE BOARD.
2. ON J8, PULL THE BLACK LATCH OUT HORIZONTALLY WHILE APPLYING EQUAL FORCE TO BOTH SIDES.
3. HOLDING THE DISPLAY AT A 45 DEGREE ANGLE, FEED THE FLIXIBLE CONNECTOR (WITH CONTACTS FACING THE BOARD) INTO J8.
4. KEEPING THE CONNECTOR AS DEEP IN J8 AS POSSIBLE, LAY THE DISPLAY INTO ITS BOX ON THE BOARD.
5. IF THE PLACEMENT IS ALIGNED WITH THE BOX AND THE CONNECTOR IS DEEP INSIDE J8, APPLY LIGHT PRESSURE AROUND THE EDGES OF THE DISPLAY TO ADHERE TO THE TAPE.
6. ON J8, PUSH THE BLACK LATCH IN HORIZONTALLY WHILE APPLYING EQUAL FORCE TO BOTH SIDES.
7. ONCE DISPLAY IS FIRMLY IN PLACE, REMOVE PROTECTIVE COVER FROM SCREEN.





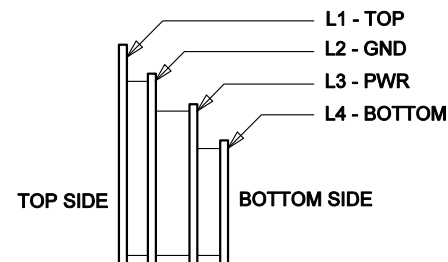
## NOTES: UNLESS OTHERWISE SPECIFIED

1. AFTER WASHING, REMOVE PROTECTIVE COVER FROM SW3.

APPROVALS		 <div> 1630 MCCARTHY BLVD  MILPITAS, CA 95035  PH: (408)432-1900  www.linear.com  LTC CONFIDENTIAL-  FOR CUSTOMER USE ONLY </div>	
PCB DES.	NC		
APP ENG.	ZP	<b>TITLE: BOTTOM ASSEMBLY DRAWING</b> <b>GLEENERGY</b> <b>DUST EH APPLICATION DEMOBOARD</b> <b>WITH E-INK DISPLAY</b>	
		SIZE N/A	IC NO. DEMO CIRCUIT 2321A
			REV 5
SCALE = NONE		FILENAME: DC2321A-5.PCB <div>SHT 2 of 2</div>	

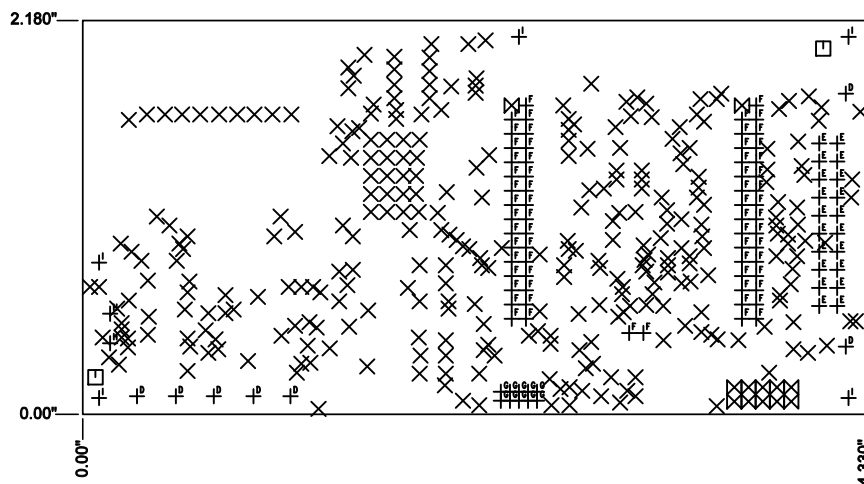
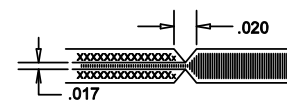
REVISION HISTORY				
ECO	REV	DESCRIPTION	APP. ENG.	DATE
-	5	PRODUCTION	ZP	2-29-16

## LAYER STRUCTURE



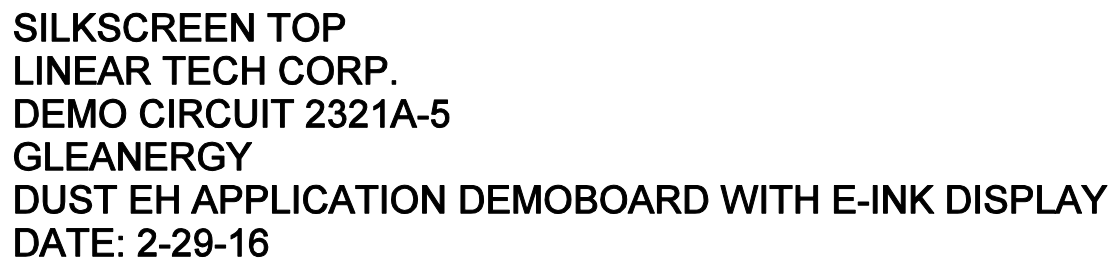
## NOTES: UNLESS OTHERWISE SPECIFIED

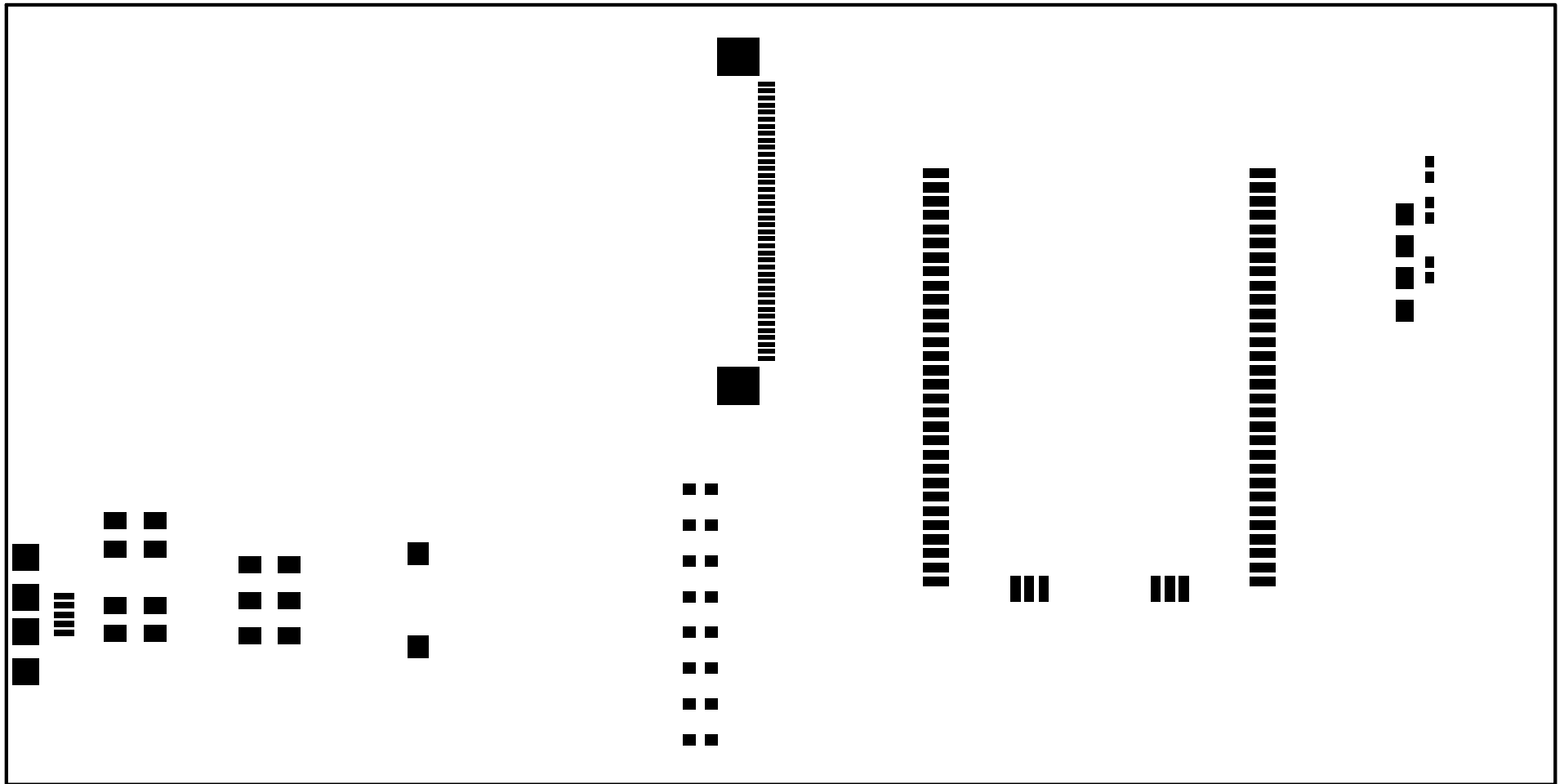
- FAB PER IPC-A-600, CLASS 2.
- MATERIAL: -EPOXY FIBERGLASS, NEMA GRADE FR-4  
-FINISHED THICKNESS TO BE 0.062" +/- .005"  
-TOTAL OF 4 LAYERS WITH 1 OZ. CU ON THE OUTER LAYERS  
AND 1 OZ. CU ON THE INNER LAYERS.  
-FLAMMABILITY RATING: 94 V-0 MINIMUM.
- SIZE: CUT TO DIMENSIONS AND TOLERANCES SHOWN.  
0.00" ARE PRIMARY DATUMS.
- DRILLING: -DRILL HOLES PER SCHEDULE. PLATE THROUGH  
HOLES WITH COPPER, 0.001" THICK MIN.  
-ALL HOLE SIZES ARE SPECIFIED AFTER PLATING.  
-HOLE LOCATION TOLERANCES ARE +/-0.003"  
IN RELATION TO CENTER
- FINISH: -SMOBC USING LPI BOTH SIDES, COLOR GREEN, TENT ALL VIAS.  
-GOLD IMMERSION BOTH SIDES.  
(LEAD FREE SOLDER CAN BE USED FOR PROTOTYPE)  
-FOR SILKSCREEN: BOTH SIDES USE WHITE NON-CONDUCTIVE INK.
- DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.  
PAD SIZE CAN BE MODIFIED TO MEET END FINISH.
- PCBS ARE TO BE RoHS COMPLIANT.
- SCORING FOR PANELIZED PCB:



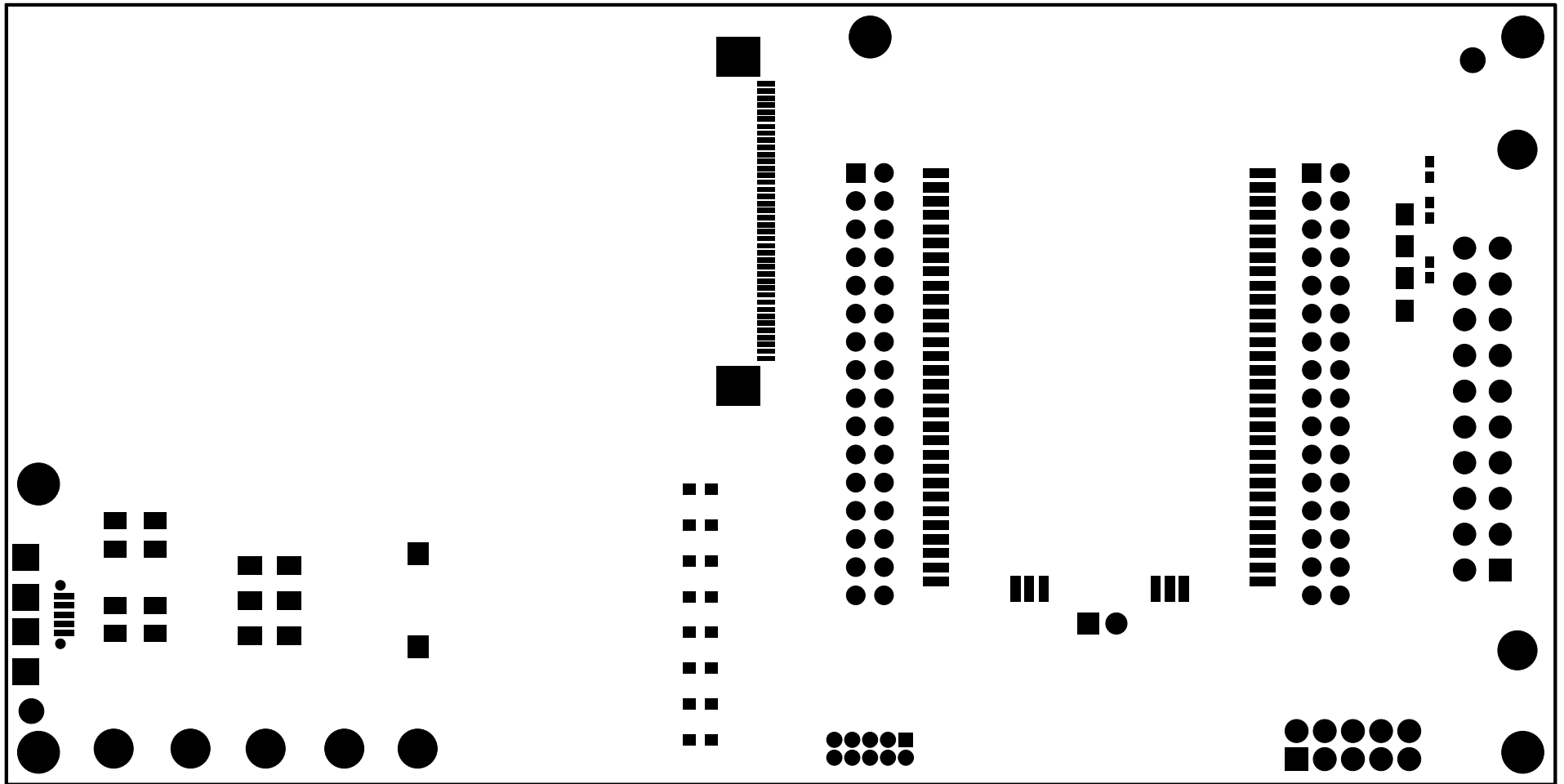
SIZE	QTY	SYM	PLATED	TOL
0.01	314	X	YES	+/-0.003
0.035	12	⊠	YES	+/-0.003
0.07	2	□	NO	+/-0.003
0.063	7	⊠	YES	+/-0.003
0.03937	20	⊠	YES	+/-0.003
0.03346	64	⊠	YES	+/-0.003
0.02756	10	⊠	YES	+/-0.003
0.02756	2	⊠	NO	+/-0.003
0.11811	5	⊠	NO	+/-0.003

<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES TOLERANCES: 0.XX" = 0.01" 0.XXX" = 0.005" INTERPRET DIM AND TOL PER ASME Y14.5M-1994 THIRD ANGLE PROJECTION	<b>APPROVALS</b>		1630 MCCARTHY BLVD MILPITAS, CA 95035 PH: (408)432-1900 www.linear.com LTC CONFIDENTIAL- FOR CUSTOMER USE ONLY
	PCB DES.	NC	
	APP ENG.	ZP	
	SCALE = NONE		TITLE: FABRICATION DRAWING GLEANERGY DUST EH APPLICATION DEMOBOARD WITH E-INK DISPLAY
	SIZE	IC NO.	REV
	N/A	DEMO CIRCUIT 2321A	5
FILENAME: DC2321A-5.PCB			SHT 1 OF 1

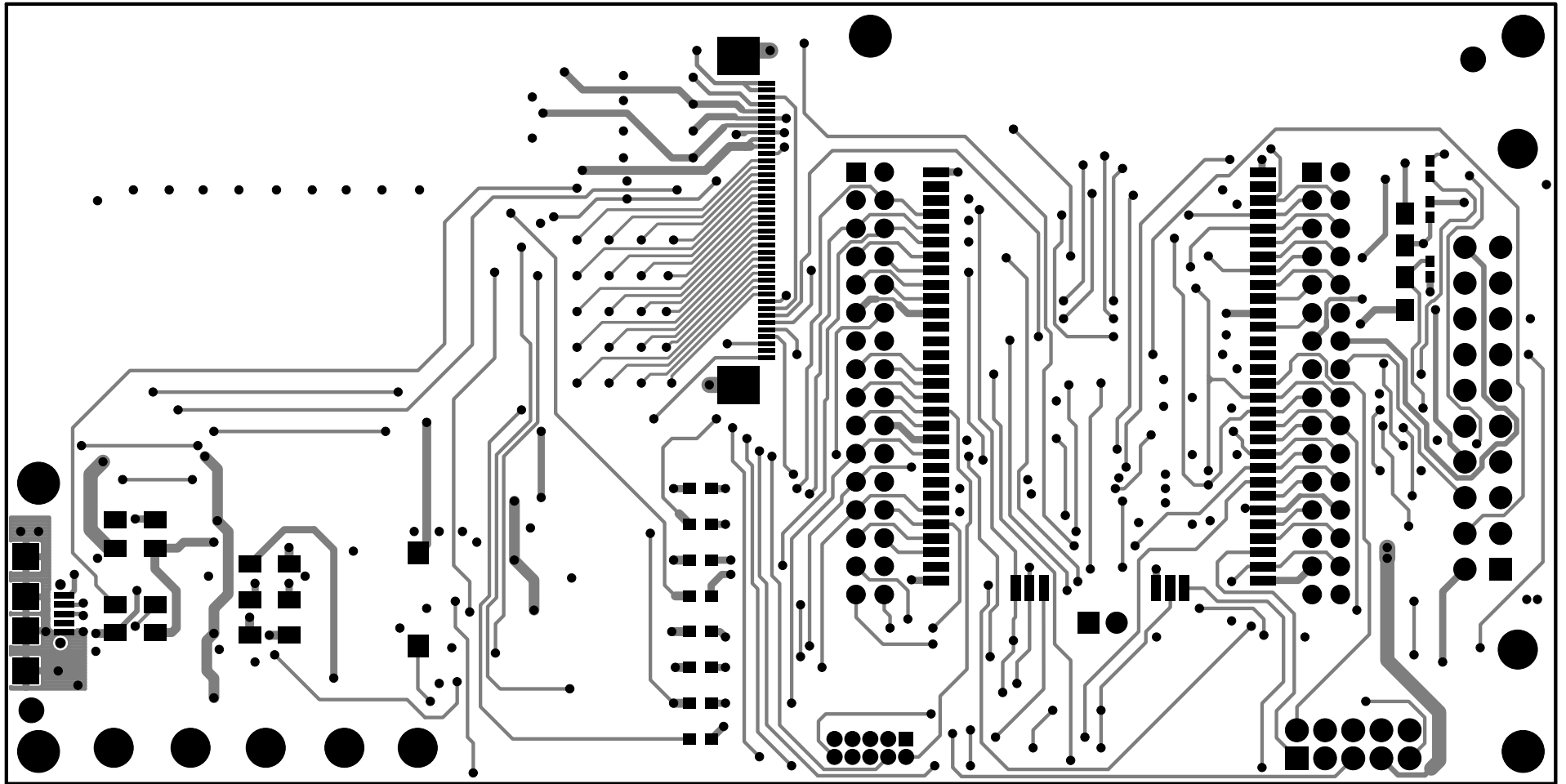




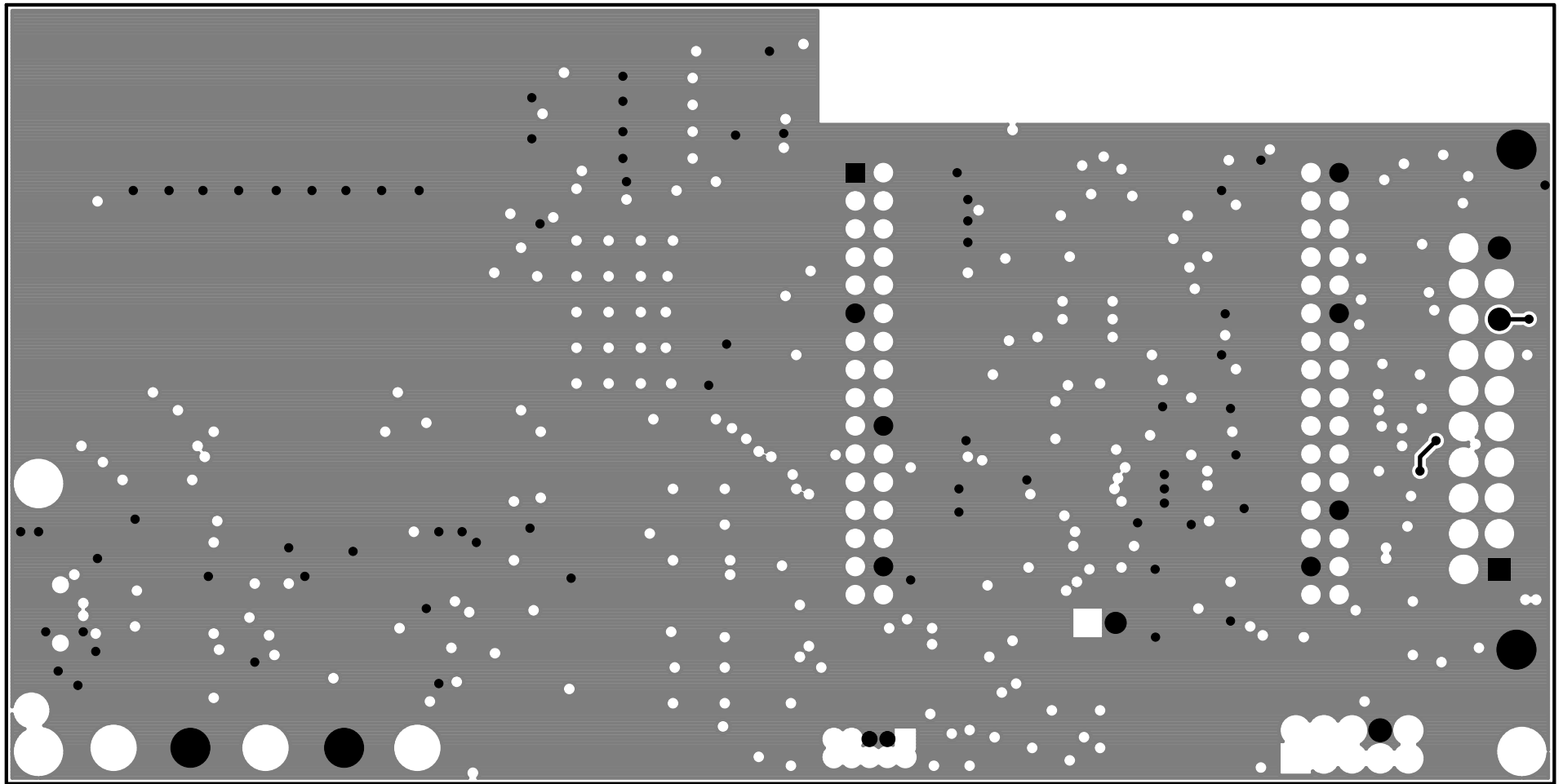
PASTEMASK TOP  
LINEAR TECH CORP.  
DEMO CIRCUIT 2321A-5  
GLEENERGY  
DUST EH APPLICATION DEMOBOARD WITH E-INK DISPLAY  
DATE: 2-29-16



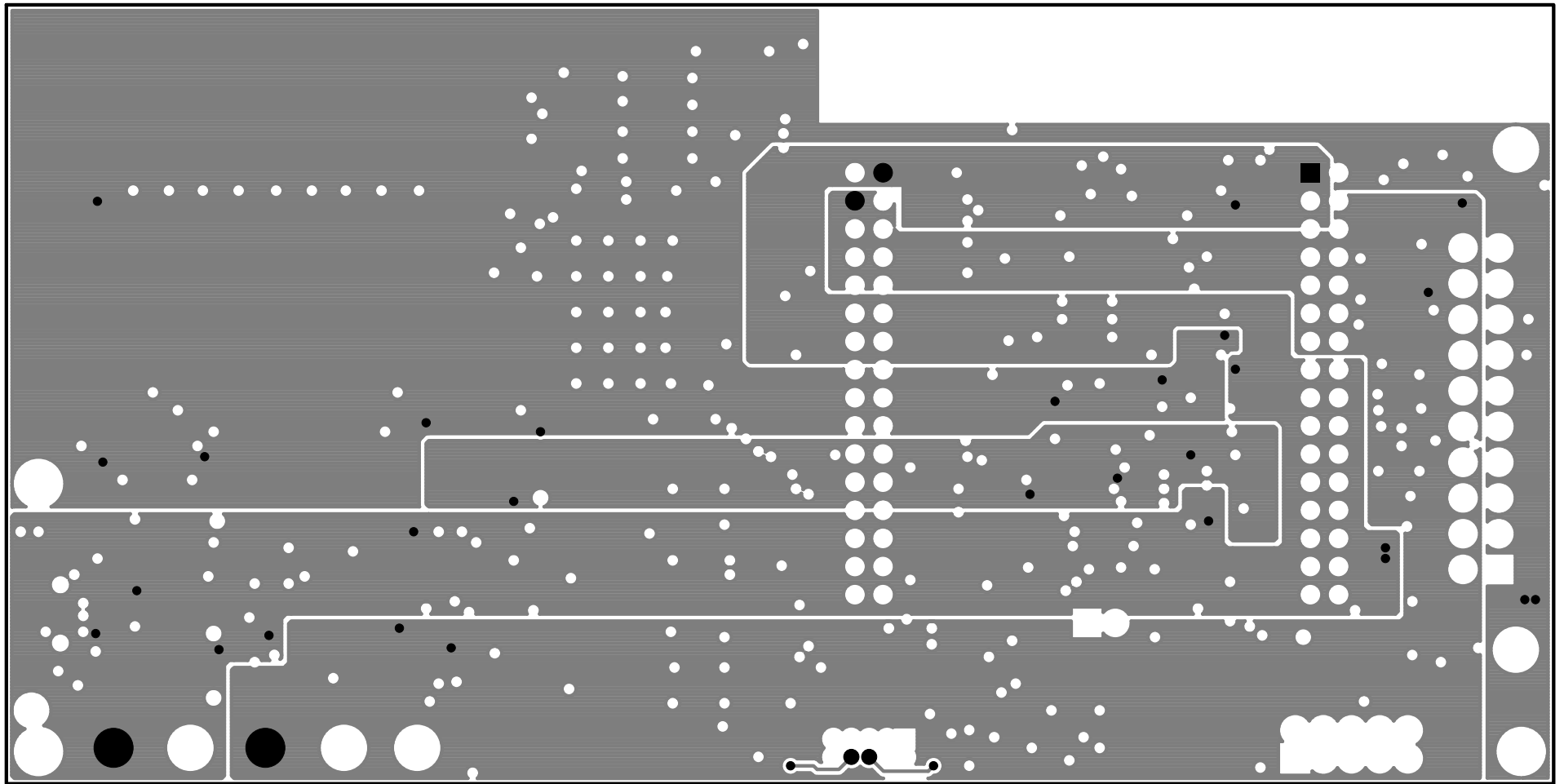
SOLDERMASK TOP  
LINEAR TECH CORP.  
DEMO CIRCUIT 2321A-5  
GLEENERGY  
DUST EH APPLICATION DEMOBOARD WITH E-INK DISPLAY  
DATE: 2-29-16



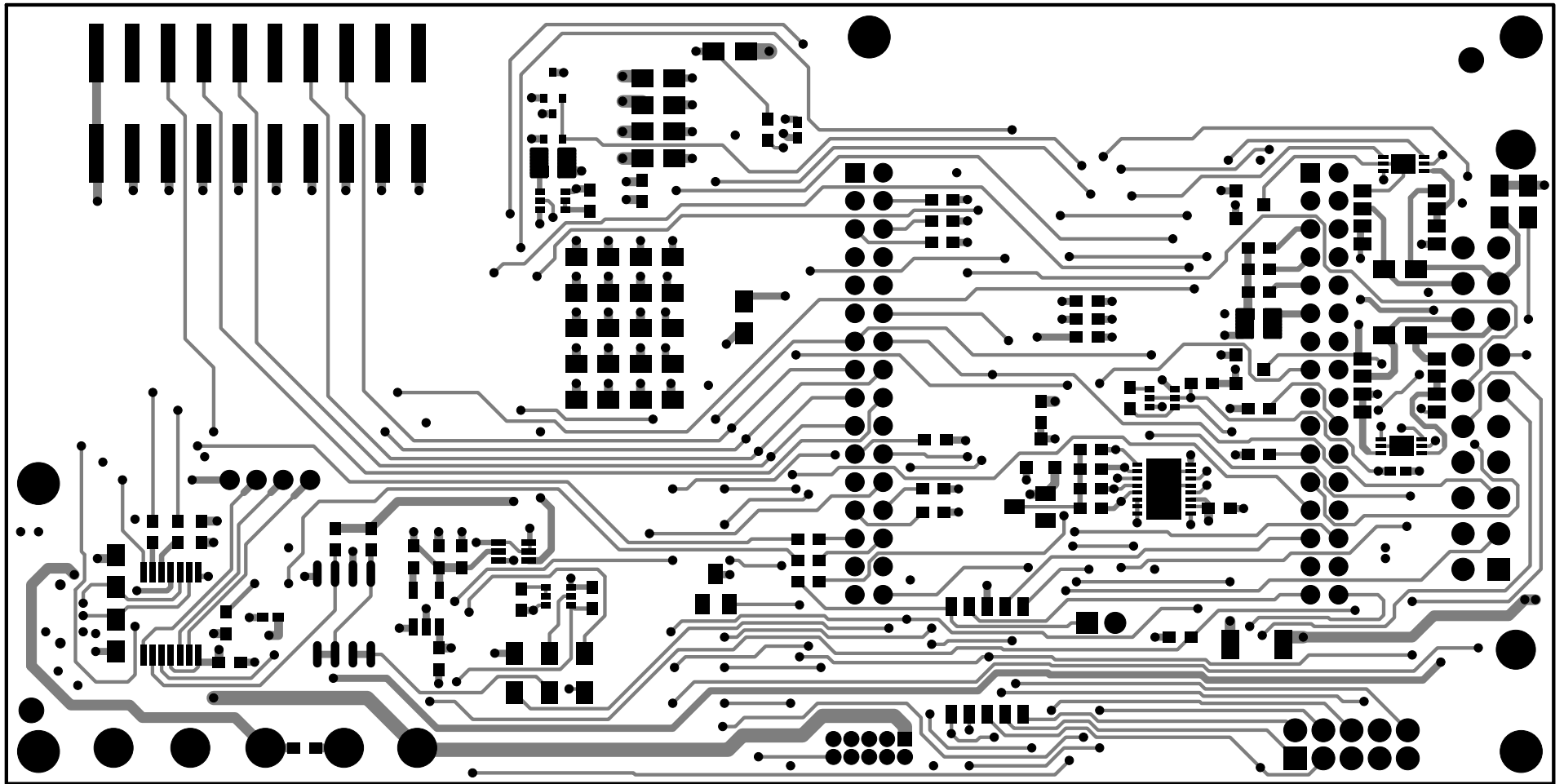
LAYER-1-TOP LAYER  
LINEAR TECH CORP.  
DEMO CIRCUIT 2321A-5  
GLEENERGY  
DUST EH APPLICATION DEMOBOARD WITH E-INK DISPLAY  
DATE: 2-29-16



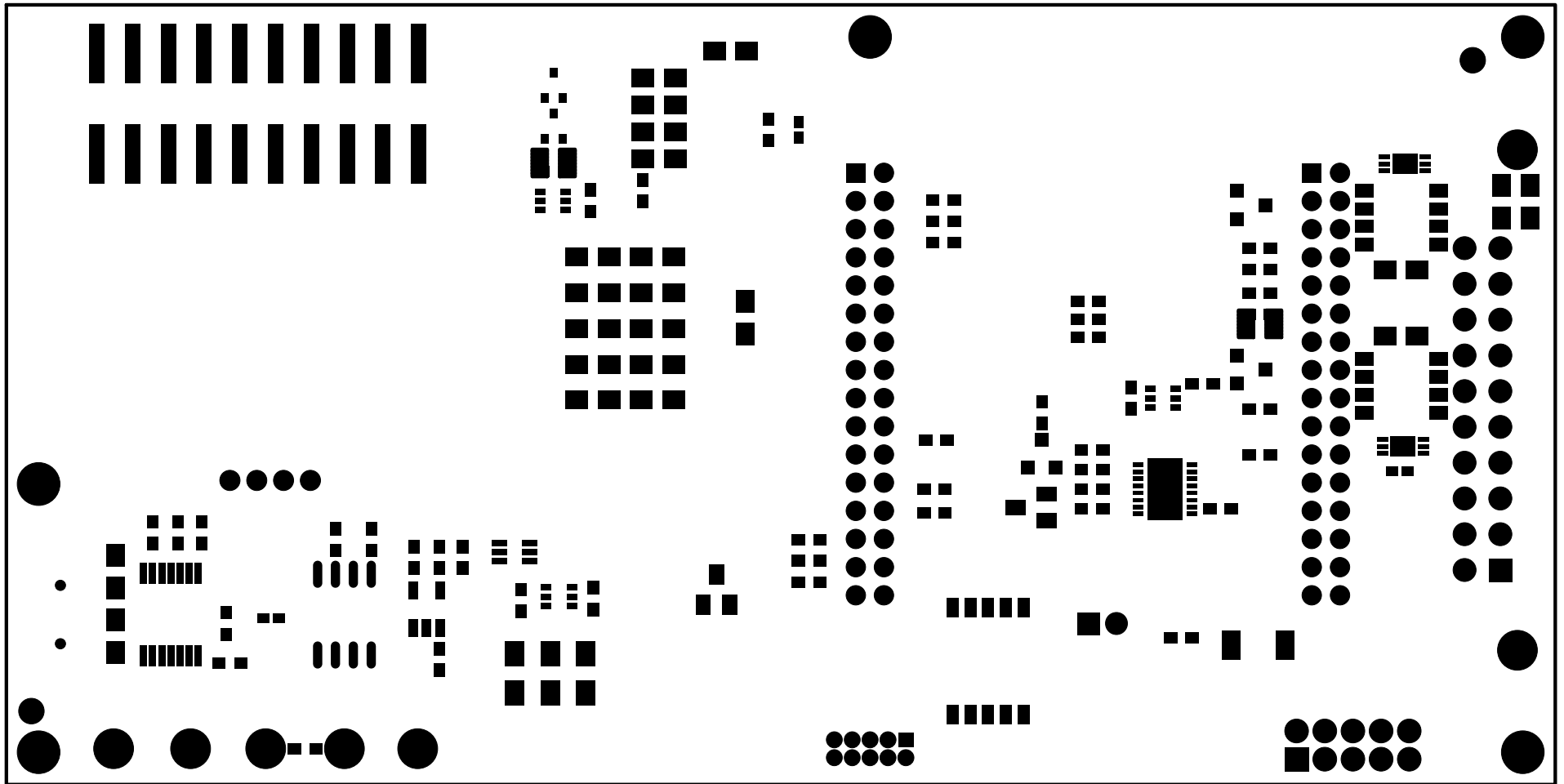
LAYER-2- BGND PLANE  
LINEAR TECH CORP.  
DEMO CIRCUIT 2321A-5  
GLEENERGY  
DUST EH APPLICATION DEMOBOARD WITH E-INK DISPLAY  
DATE: 2-29-16



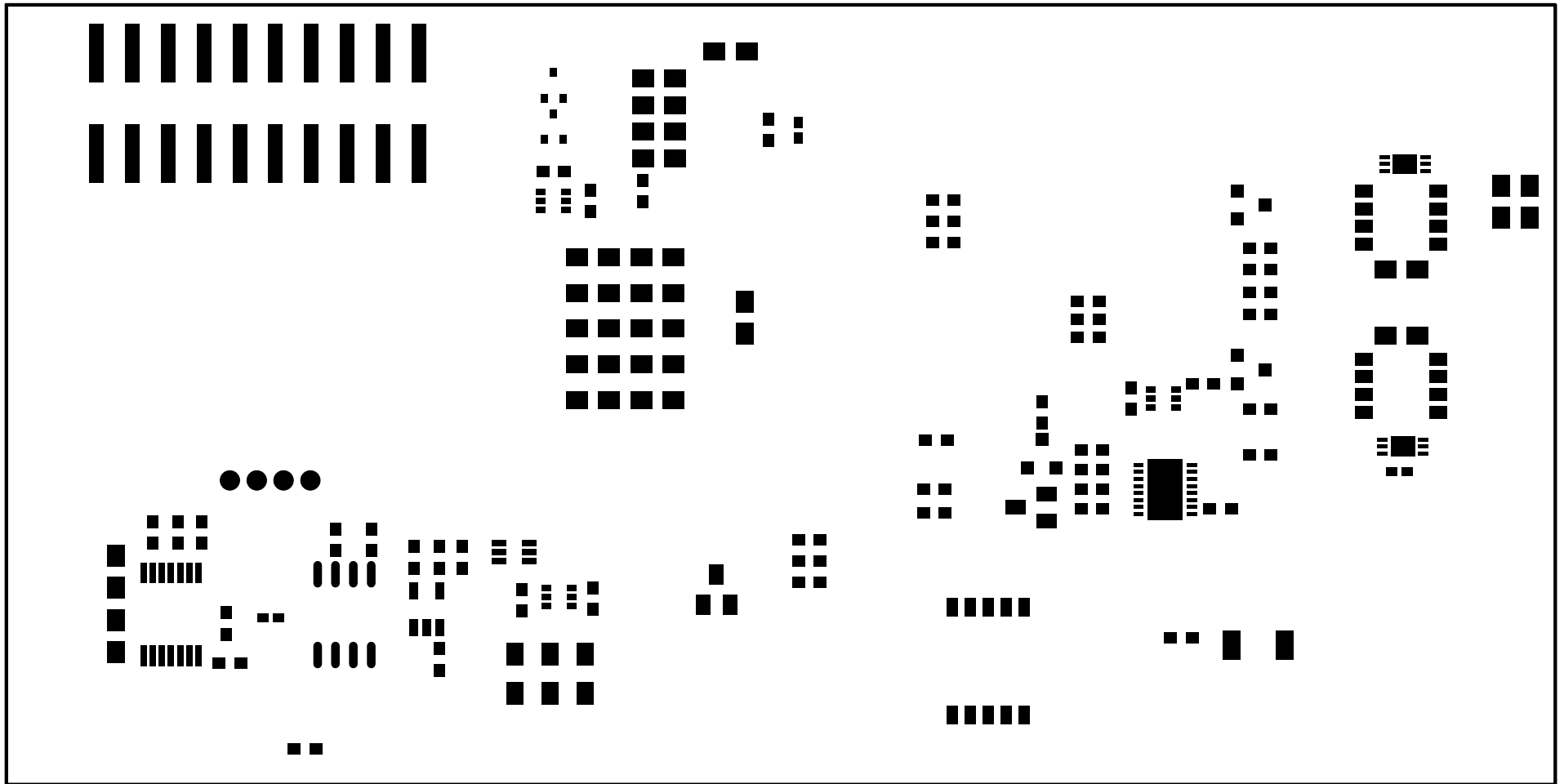
LAYER-3-BGND PLANE  
LINEAR TECH CORP.  
DEMO CIRCUIT 2321A-5  
GLEENERGY  
DUST EH APPLICATION DEMOBOARD WITH E-INK DISPLAY  
DATE: 2-29-16



LAYER-4-BOTTOM SIDE  
LINEAR TECH CORP.  
DEMO CIRCUIT 2321A-5  
GLEENERGY  
DUST EH APPLICATION DEMOBOARD WITH E-INK DISPLAY  
DATE: 2-29-16



SOLDERMASK BOTTOM  
LINEAR TECH CORP.  
DEMO CIRCUIT 2321A-5  
GLEENERGY  
DUST EH APPLICATION DEMOBOARD WITH E-INK DISPLAY  
DATE: 2-29-16



PASTEMASK BOTTOM  
LINEAR TECH CORP.  
DEMO CIRCUIT 2321A-5  
GLEENERGY  
DUST EH APPLICATION DEMOBOARD WITH E-INK DISPLAY  
DATE: 2-29-16

