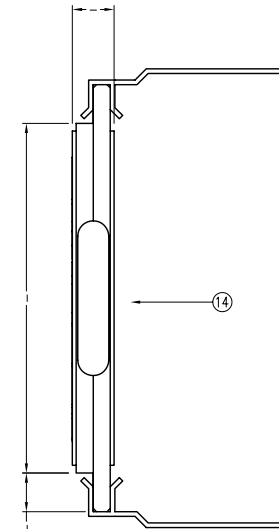
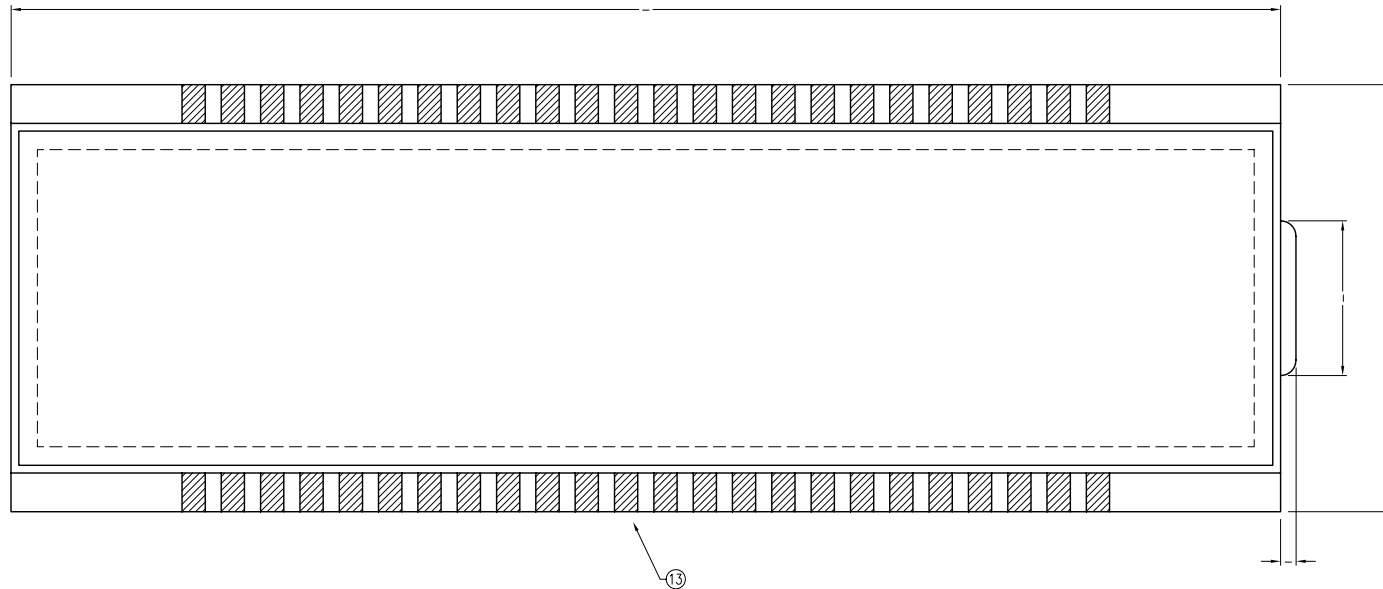


PART NUMBER	LCD-U1201M24KR		REV.	--
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
-	E.C.N. #			A
-				B
-				C
-				D
-				E
-				F
-				G

⑫
LAYOUT INSPECTION



REMARKS: R.V.= REVERSE VIDEO

NOTES:
1. ◇ SPECIAL CHARACTERISTIC.
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

1. DRAWING NUMBER
2. DESIGNER NUMBER
3. DATE OF RELEASE
4. REVISION NUMBER
5. DESIGNER NAME
6. CHECKED BY NAME
7. TOLERANCES
8. METRIC DIMENSION
9. NUMBER OF SHEETS
10. MANUFACTURER LOGO
11. REVISION HISTORY
12. DRAWING TITLE
13. TOP VIEW
14. SIDE VIEW
15. NOTES (IF ANY)
16. REMARKS (IF ANY)

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

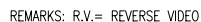
CUSTOM LCD DISPLAY.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL
KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	11.14.11	DRAWN BY:	AB
PAGE:	1 OF 13	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ

UNCONTROLLED DOCUMENT



NOTES:
1. $\diamond$ SPECIAL CHARACTERISTIC.
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

UNCONTROLLED DOCUMENT



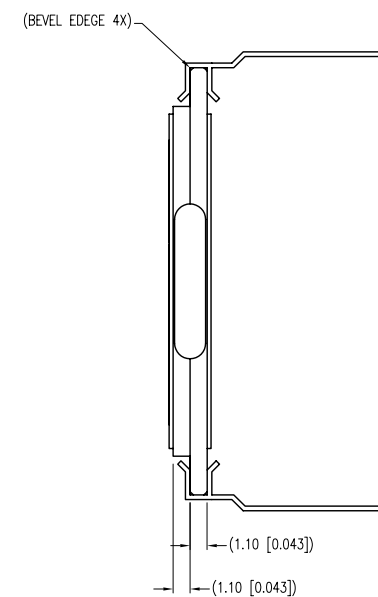
CUSTOM LCD DISPLAY.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE: 11.14.11	DRAWN BY: AB
PAGE: 2 OF 13	CHKD BY: JD
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	(Pc)

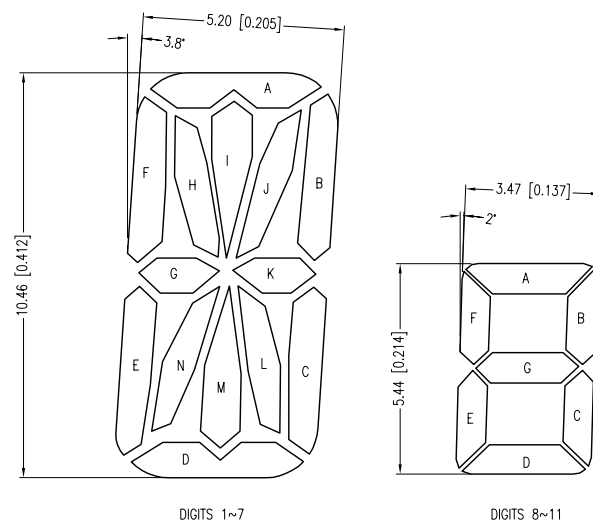


NOTES:

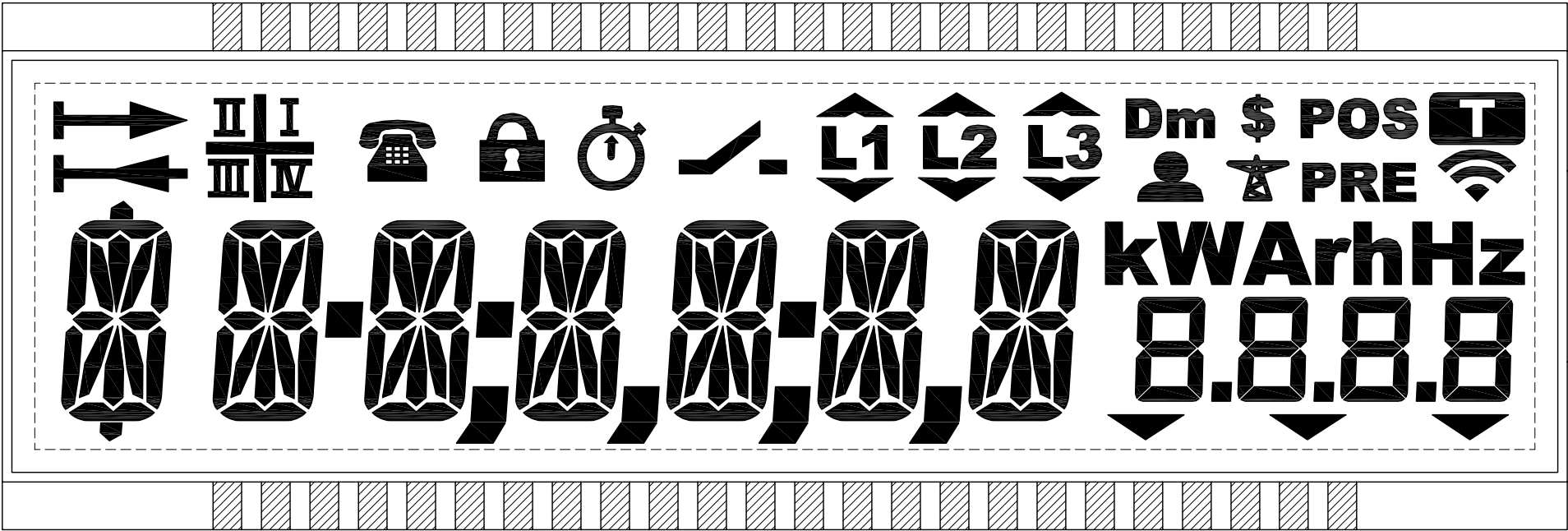
1. $\diamond$ SPECIAL CHARACTERISTIC.
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

UNCONTROLLED DOCUMENT

DATE: 11.14.11	DRAWN BY: AB
PAGE: 3 OF 13	CHKD BY: JD
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	(P6)

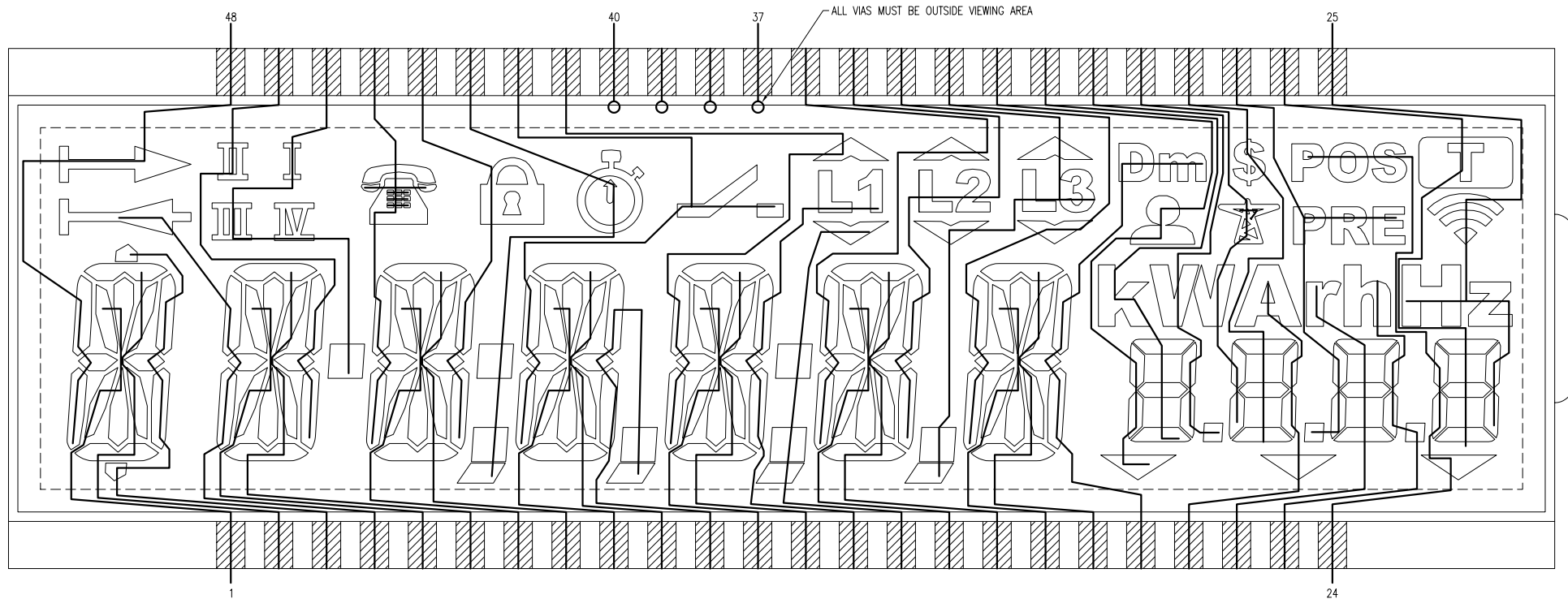


DATE: 11.14.11	DRAWN BY: AB
PAGE: 4 OF 13	CHKD BY: JD
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	(Pb)



NOTES:
1. ◇ SPECIAL CHARACTERISTIC.
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

SEGMENT TRACKING



NOTES:

1. ◇ SPECIAL CHARACTERISTIC.
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

CUSTOM LCD DISPLAY.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

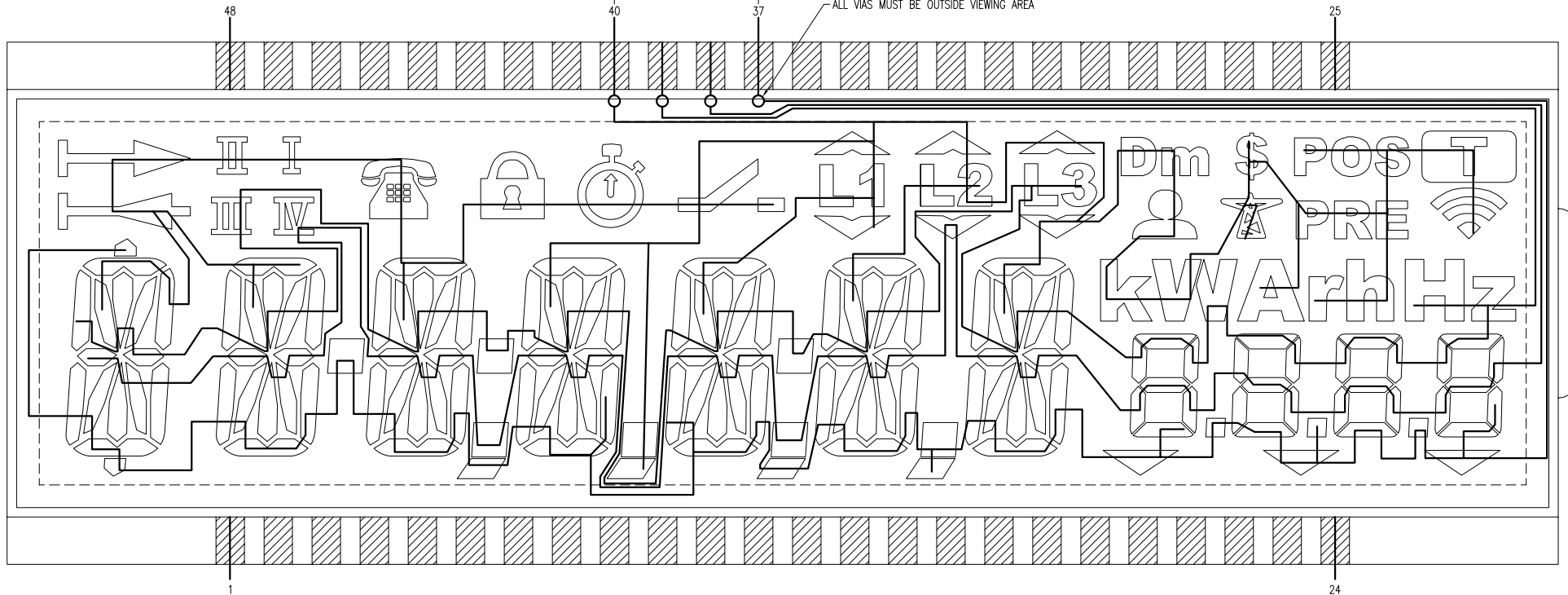
CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	11.14.11	DRAWN BY:	AB
PAGE:	6 OF 13	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ

COMMON TRACKING

COM0-COM3

ALL VIAS MUST BE OUTSIDE VIEWING AREA



NOTES:

1. ◇ SPECIAL CHARACTERISTIC.
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

CUSTOM LCD DISPLAY.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	11.14.11	DRAWN BY:	AB
PAGE:	7 OF 13	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ

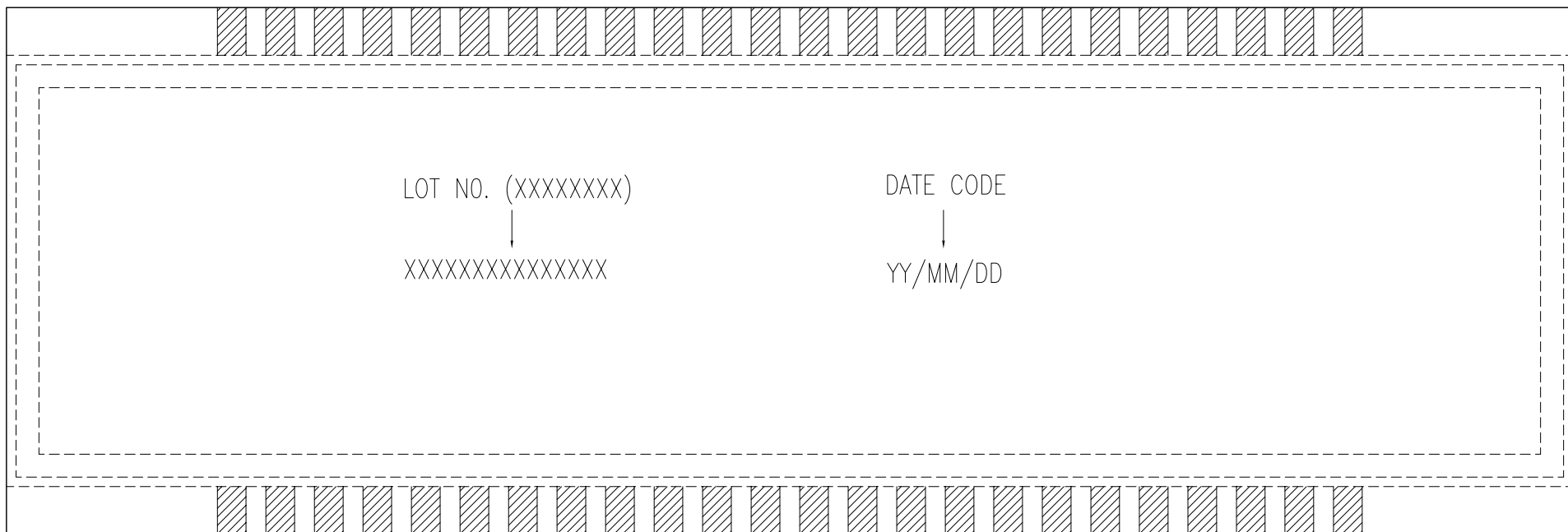
PIN	COM0	COM1	COM2	COM3
1	1H	1I	1M	1N
2	1A	1J	1L	1D
3	1B	1K	1C	X3
4	X2	2F	2G	2E
5	2H	2I	2M	2N
6	2A	2J	2L	2D
7	3H	3I	3M	3N
8	3A	3J	3L	3D
9	4H	4I	4M	4N
10	4A	4J	4L	4D
11	X47	4B	4K	4C
12	5H	5I	5M	5N
13	5A	5J	5L	5D
14	X14	5B	5K	5C
15	X15	X42	X45	X44
16	6H	6I	6M	6N
17	6A	6J	6L	6D
18	7H	7I	7M	7N
19	7A	7J	7L	7D
20	X22	7B	7K	7C
21	X32	9B	9C	X38
22	X31	10A	10G	10D
23	X30	10B	10C	X37
24	X26	11F	11E	X36

PIN	COM0	COM1	COM2	COM3
25	X5	X29	11B	11C
26	X28	11A	11G	11D
27	X27	10F	10E	X39
28	X24	9A	9G	9D
29	X25	X33	9F	9E
30	X34	8B	8C	X40
31	X35	8A	8G	8D
32	X23	8F	8E	X41
33	X21	7F	7G	7E
34	X19	X20	X18	X43
35	X17	6B	6K	6C
36	X16	6F	6G	6E
37	--	--	--	COM3
38	--	--	COM2	--
39	--	COM1	--	--
40	COM0	--	--	--
41	X13	5F	5G	5E
42	X12	4F	4G	4E
43	X11	X46	X49	X48
44	X10	3B	3K	3C
45	X9	3F	3G	3E
46	X6	X7	X8	X50
47	X4	2B	2K	2C
48	X1	1F	1G	1E

REMARK: ALL COSMETIC DEFECTS MUST BE ACCEPT OUTSIDE V.A.
EXCEPT ANY CONCERN ON RELIABILITY.

- NOTES:
- 1. ◇ SPECIAL CHARACTERISTIC.
 - 2. + SAFETY CHARACTERISTIC
 - 3. () REFERENCE DIMENSION

BACK VIEW



REMARK: LOT NO. (XXXXXXXX) & DATE CODE (YY/MM/DD)
SHOULD BE PRINTED ON BACK POLARIZER

NOTES:

1. ◇ SPECIAL CHARACTERISTIC
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX.= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

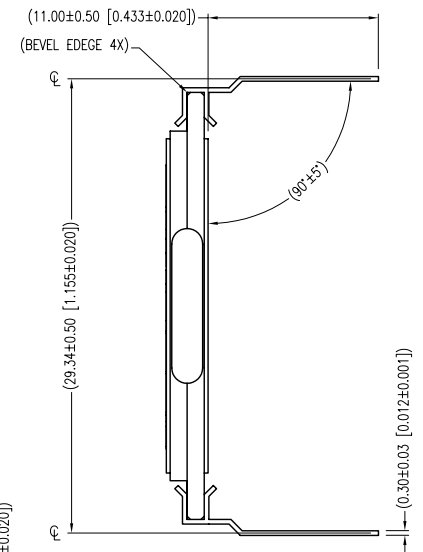
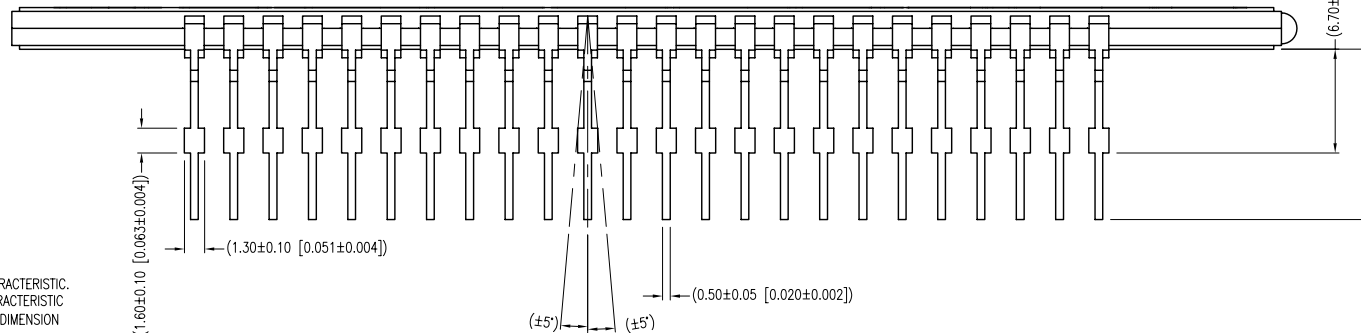
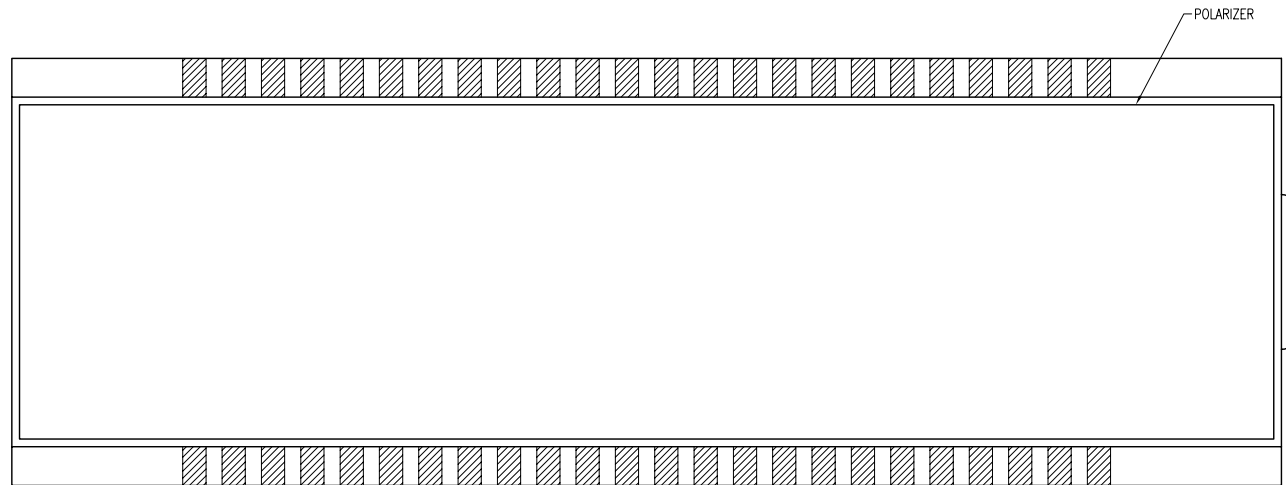
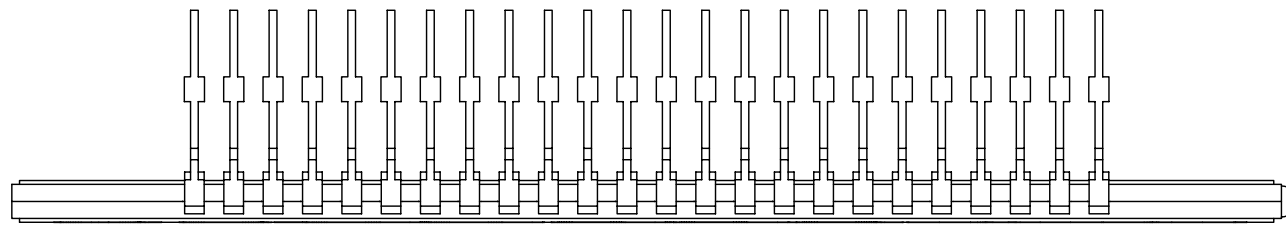
CUSTOM LCD DISPLAY.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL
KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	11.14.11	DRAWN BY:	AB
PAGE:	9 OF 13	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ



NOTES:

1. $\diamond$ SPECIAL CHARACTERISTIC.
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.039), X.X= ± 0.5 (± 0.020), X.XX= ± 0.25 (± 0.010), X.XXX= ± 0.127 (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN.= $\begin{smallmatrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{smallmatrix}$ MAX.= $\begin{smallmatrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{smallmatrix}$

UNCONTROLLED DOCUMENT



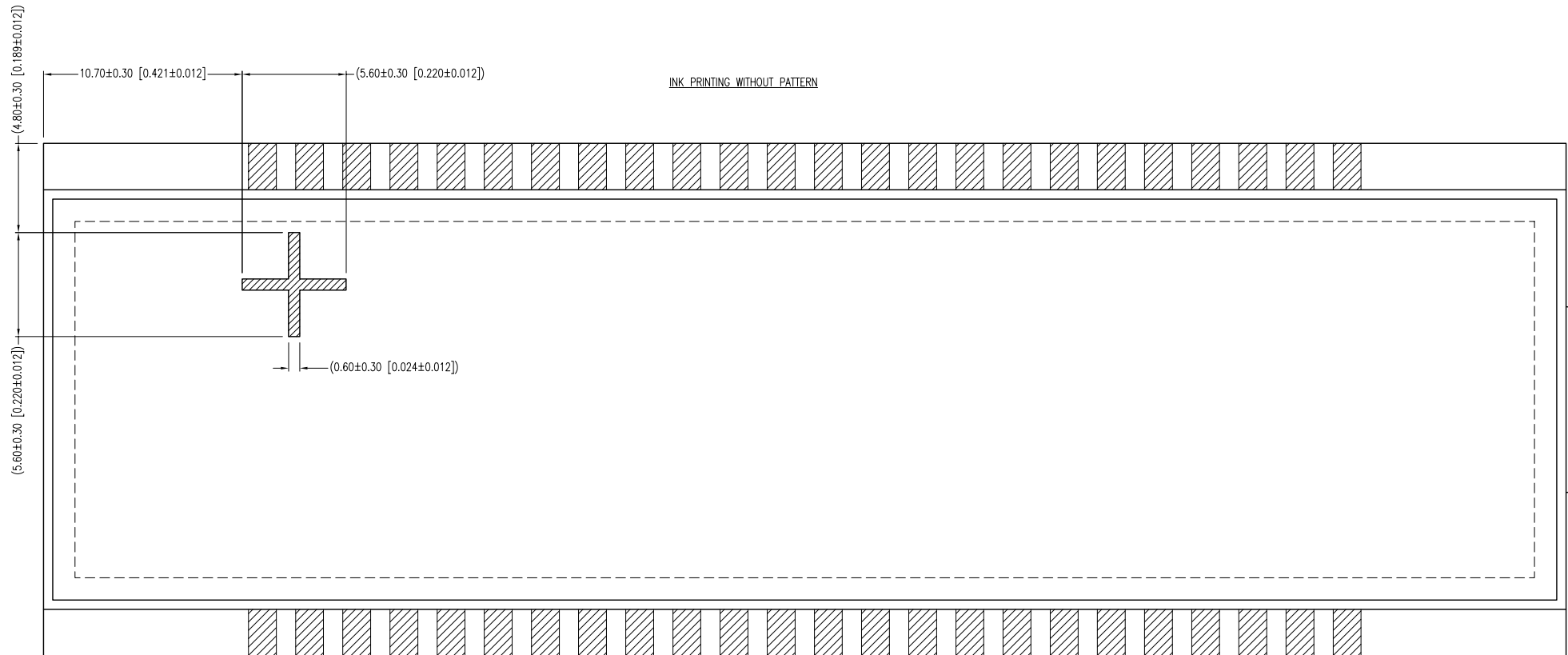
290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

CUSTOM LCD DISPLAY.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	11.14.11	DRAWN BY:	AB
PAGE:	10 OF 13	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		(Pc)



REMARKS: INK PRINTING SHOULD BE PRINTED ON BACK OF THE REAR GLASS, COLOR: BLACK.

NOTES:

1. ◇ SPECIAL CHARACTERISTIC.
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX.= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

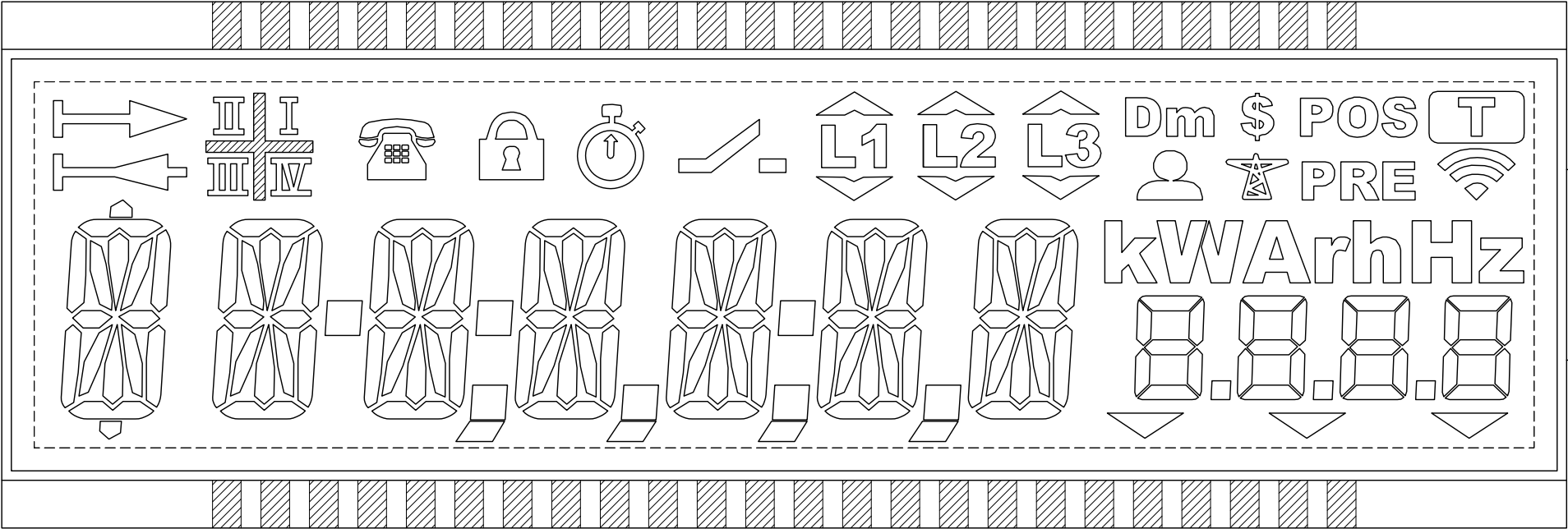
CUSTOM LCD DISPLAY.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL
KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	11.14.11	DRAWN BY:	AB
PAGE:	11 OF 13	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ

INK PRINTING WITH PATTERN

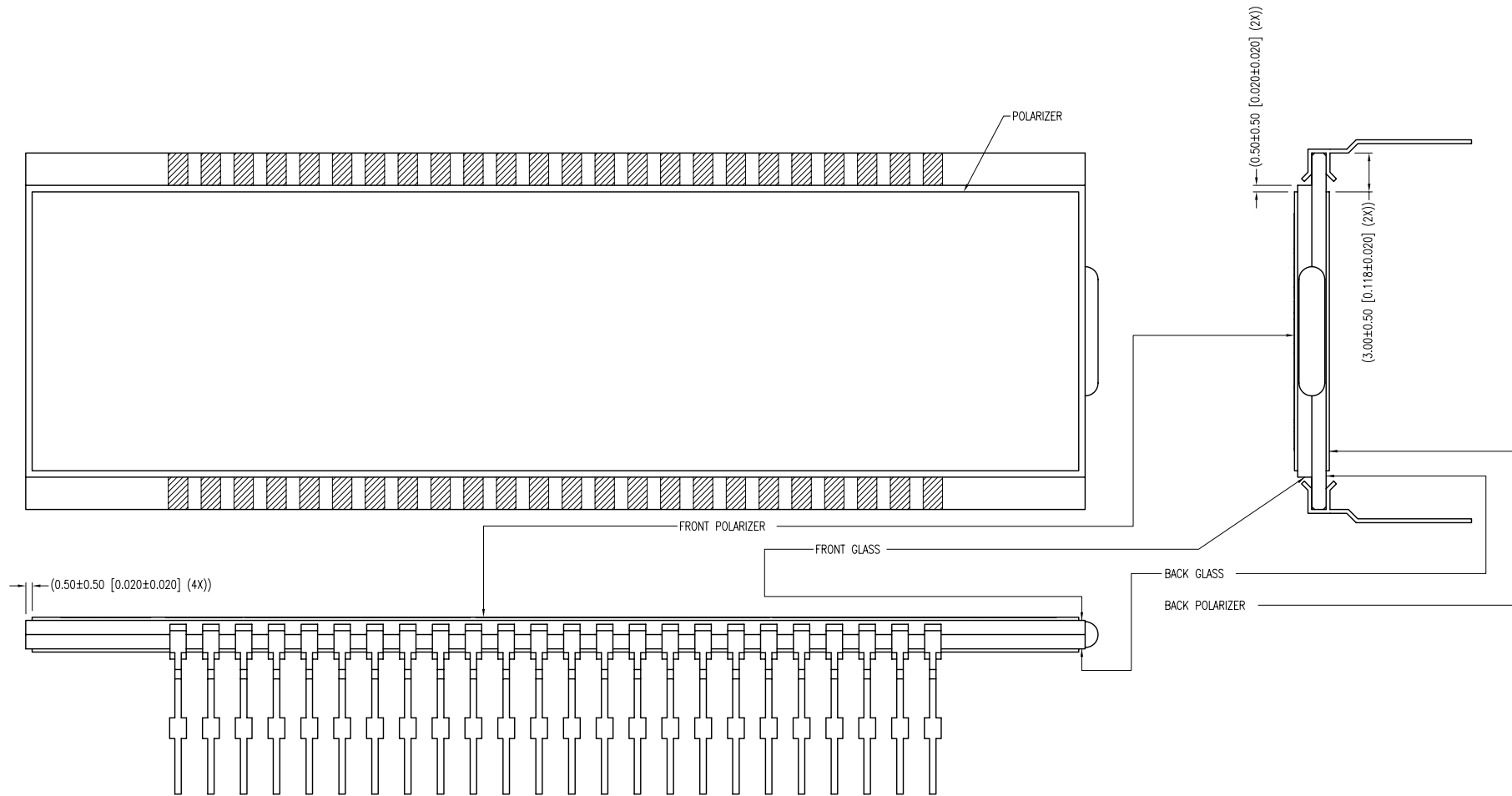


REMARKS: INK PRINTING SHOULD BE PRINTED ON BACK OF THE REAR GLASS, COLOR: BLACK.

- NOTES:
- 1. ◇ SPECIAL CHARACTERISTIC.
 - 2. + SAFETY CHARACTERISTIC
 - 3. () REFERENCE DIMENSION

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X,X=±0.5 (±0.020), X,XX=±0.25 (±0.010), X,XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION} _{-0.00} MAX.= ^{+0.00} _{-DECIMAL PRECISION} UNCONTROLLED DOCUMENT

LUMEX® Creating LED and LCD Solutions Together™	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM	CUSTOM LCD DISPLAY.		DATE: 11.14.11	DRAWN BY: AB
		THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.		PAGE: 12 OF 13	CHKD BY: JD
		CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		SCALE: NTS	APRVD BY: SS
				UNIT: mm [INCH]	Ⓟ



NOTES:

1. $\diamond$ SPECIAL CHARACTERISTIC.
2. + SAFETY CHARACTERISTIC
3. () REFERENCE DIMENSION

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.039), X.X= ± 0.5 (± 0.020), X.XX= ± 0.25 (± 0.010), X.XXX= ± 0.127 (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN.= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX.= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

CUSTOM LCD DISPLAY.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	11.14.11	DRAWN BY:	AB
PAGE:	13 OF 13	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		(Pc)