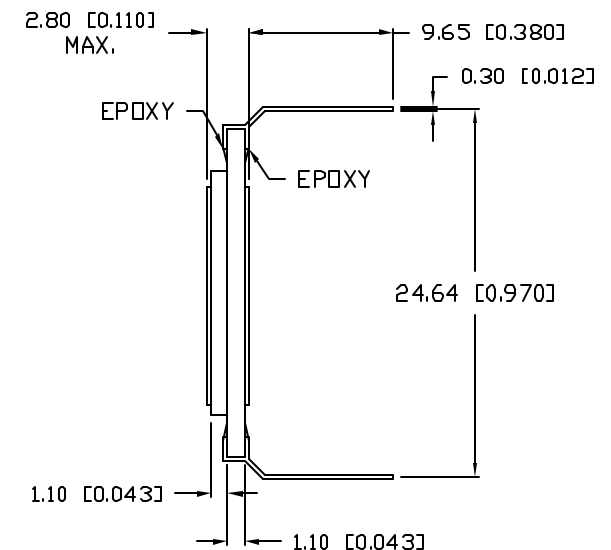
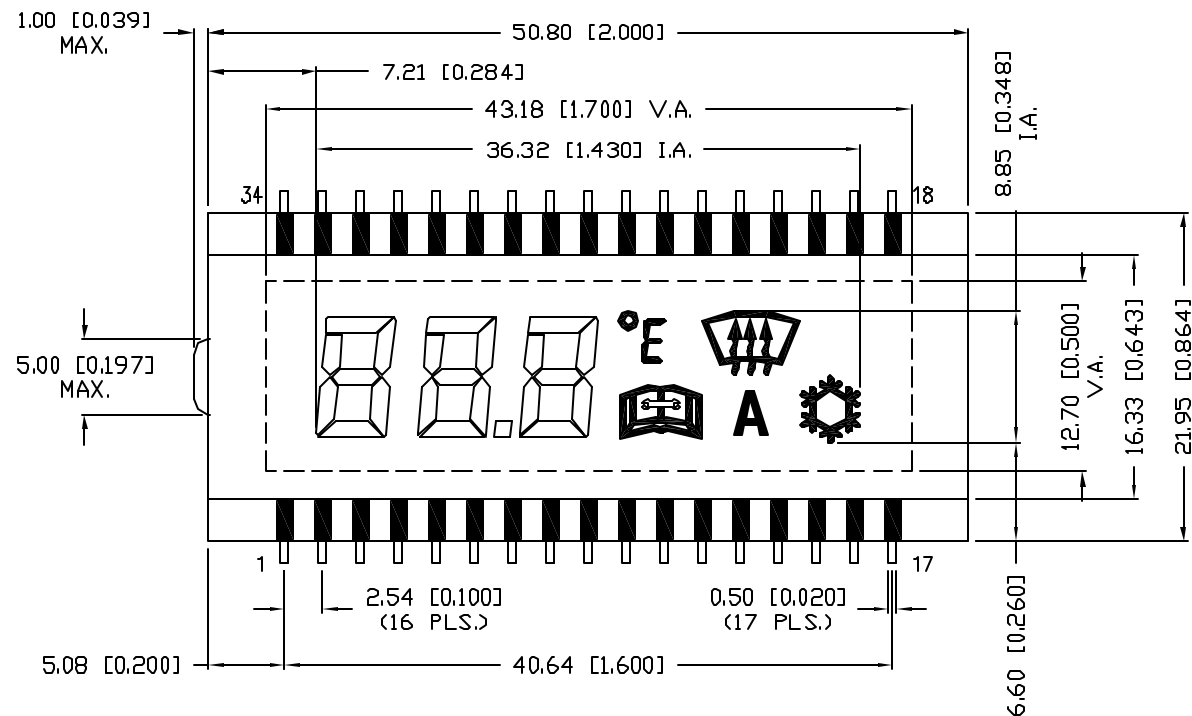


UNCONTROLLED DOCUMENT

|                               |                                                       |                  |
|-------------------------------|-------------------------------------------------------|------------------|
| PART NUMBER<br>LCD-UH301M38TF |                                                       | REV.<br>A        |
| REV.<br>A                     | E.C.N. NUMBER AND REVISION COMMENTS<br>E.C.N. #11148. | DATE<br>02.09.07 |



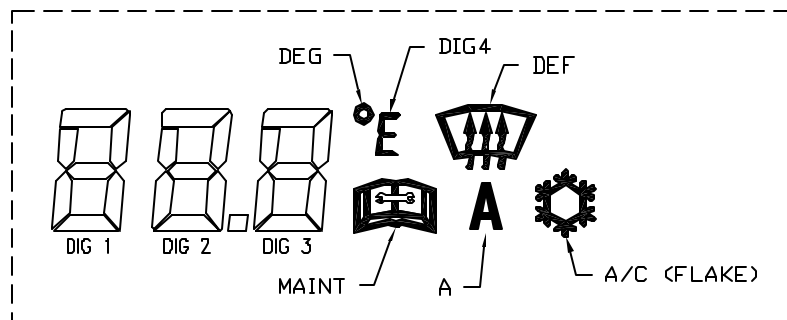
\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.=+0.00/-0.00 DECIMAL PRECISION MAX.=+0.00/-0.00 DECIMAL PRECISION

|                                                                                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                       |           |             |              |               |  |  |  |              |  |  |  |            |
|--------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|--------------|---------------|--|--|--|--------------|--|--|--|------------|
| REV.<br>A                                                                            | PART NUMBER<br>LCD-UH301M38TF | <p>CONFIDENTIAL INFORMATION</p> <p>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.</p> <p>RELIABILITY NOTE</p> <p>OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.</p> |  <p>290 E. HELEN ROAD<br/>PALATINE, IL 60067-6976<br/>PHONE: +1.847.359.2790<br/>US WEB: <a href="http://www.lumex.com">www.lumex.com</a><br/>TW WEB: <a href="http://www.lumex.com.tw">www.lumex.com.tw</a></p> |           |             |              |               |  |  |  |              |  |  |  |            |
| 3 DIGIT CUSTOM LCD PANEL, TN, TRANSFLECTIVE,<br>-40°C TO +85°C OPER. TEMP., 34 PINS. |                               | JC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <table><tr><td>DRAWN BY:</td><td>CHECKED BY:</td><td>APPROVED BY:</td><td>DATE: 5.30.02</td></tr><tr><td></td><td></td><td></td><td>PAGE: 1 OF 2</td></tr><tr><td></td><td></td><td></td><td>SCALE: N/A</td></tr></table>                                                                             | DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 5.30.02 |  |  |  | PAGE: 1 OF 2 |  |  |  | SCALE: N/A |
| DRAWN BY:                                                                            | CHECKED BY:                   | APPROVED BY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DATE: 5.30.02                                                                                                                                                                                                                                                                                         |           |             |              |               |  |  |  |              |  |  |  |            |
|                                                                                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PAGE: 1 OF 2                                                                                                                                                                                                                                                                                          |           |             |              |               |  |  |  |              |  |  |  |            |
|                                                                                      |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SCALE: N/A                                                                                                                                                                                                                                                                                            |           |             |              |               |  |  |  |              |  |  |  |            |

UNCONTROLLED DOCUMENT



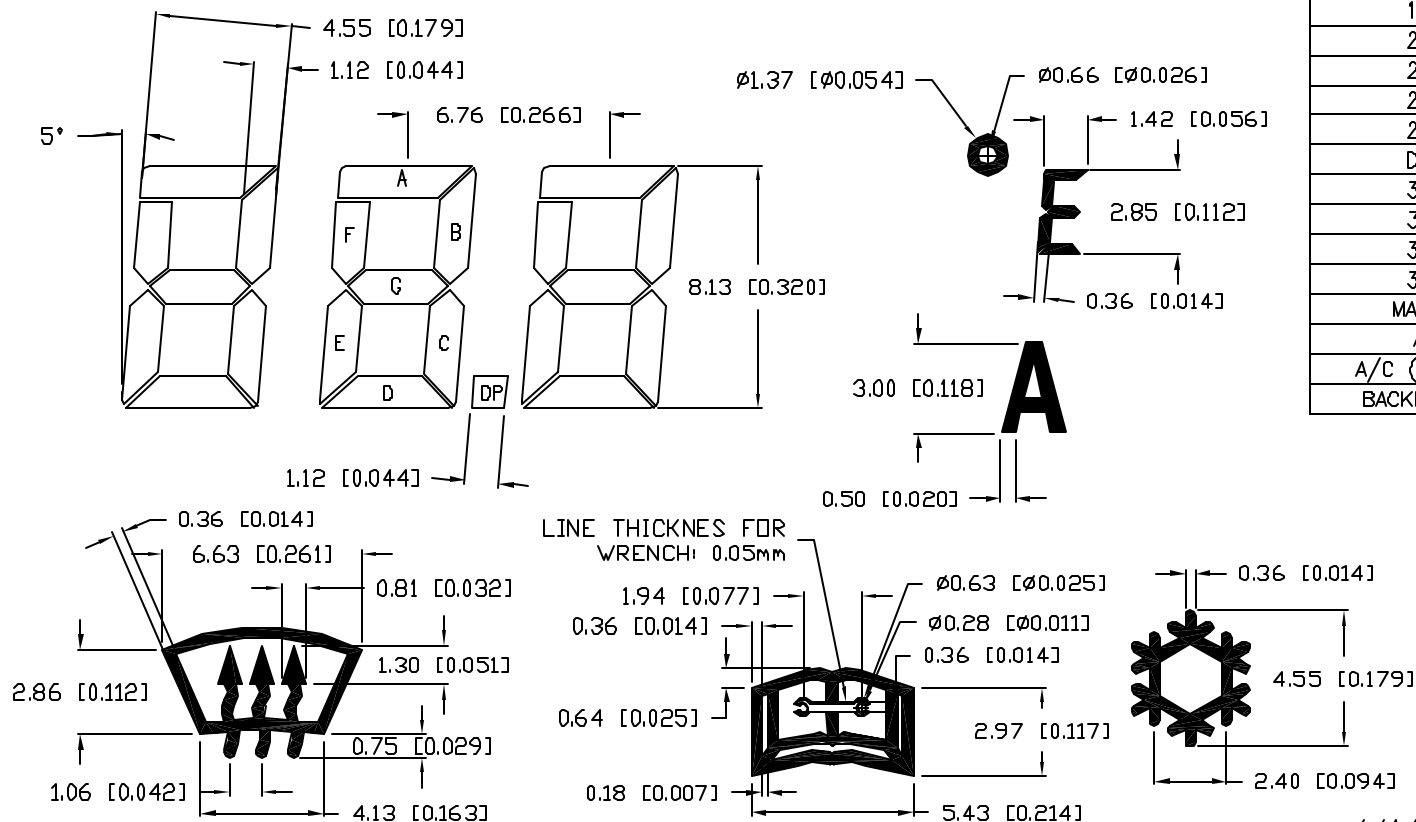
UNCONTROLLED DOCUMENT



|                |                                     |      |
|----------------|-------------------------------------|------|
| PART NUMBER    |                                     | REV. |
| LCD-UH301M38TF |                                     | A    |
| REV.           | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
| A              | SEE PAGE #1                         |      |

PINOUT TABLE

| SEGMENT     | PIN | SEGMENT   | PIN |
|-------------|-----|-----------|-----|
| BACKPLANE   | 1   | BACKPLANE | 18  |
| 1E          | 2   | DEF       | 19  |
| 1D          | 3   | 4D        | 20  |
| 1C          | 4   | 4G        | 21  |
| 2G          | 5   | 4A,4F,4E  | 22  |
| 2E          | 6   | DEG       | 23  |
| 2D          | 7   | 3B        | 24  |
| 2C          | 8   | 3A        | 25  |
| DP          | 9   | 3F        | 26  |
| 3G          | 10  | 2B        | 27  |
| 3E          | 11  | 2A        | 28  |
| 3D          | 12  | 2F        | 29  |
| 3C          | 13  | 1B        | 30  |
| MAINT       | 14  | 1A        | 31  |
| A           | 15  | 1F        | 32  |
| A/C (FLAKE) | 16  | 1G        | 33  |
| BACKPLANE   | 17  | BACKPLANE | 34  |



| CHARACTERISTICS   |                |
|-------------------|----------------|
| FLUID TYPE        | TN             |
| BACKGROUND COLOR  | GRAY           |
| VIEWING DIRECTION | 6:00           |
| DISPLAY MODE      | TRANSFLECTIVE  |
| OPERATING VOLTAGE | 5.0V A.C.      |
| OPERATING TEMP.   | -40°C TO +85°C |
| STORAGE TEMP.     | -40°C TO +85°C |
| DRIVING METHOD    | STATIC         |
| CONNECTION TYPE   | 34 PINS        |

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

|                                                                                      |                |                                                                                                                                                                                                                                                                                                                              |  |                                 |  |                         |  |
|--------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--|-------------------------|--|
| REV.                                                                                 | PART NUMBER    | CONFIDENTIAL INFORMATION                                                                                                                                                                                                                                                                                                     |  | LUMEX                           |  | 290 E. HELEN ROAD       |  |
| A                                                                                    | LCD-UH301M38TF | 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. |  | 34 Pins Minimum In Work For You |  | PALATINE, IL 60067-6976 |  |
| 3 DIGIT CUSTOM LCD PANEL, TN, TRANSFLECTIVE,<br>-40°C TO +85°C OPER. TEMP., 34 PINS. |                | RELIABILITY NOTE<br>OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.                                                                                                                                   |  | DRAWN BY: JC                    |  | CHECKED BY:             |  |
|                                                                                      |                |                                                                                                                                                                                                                                                                                                                              |  |                                 |  | APPROVED BY:            |  |
|                                                                                      |                |                                                                                                                                                                                                                                                                                                                              |  |                                 |  | DATE: 5.30.02           |  |
|                                                                                      |                |                                                                                                                                                                                                                                                                                                                              |  |                                 |  | PAGE: 2 OF 2            |  |
|                                                                                      |                |                                                                                                                                                                                                                                                                                                                              |  |                                 |  | SCALE: N/A              |  |