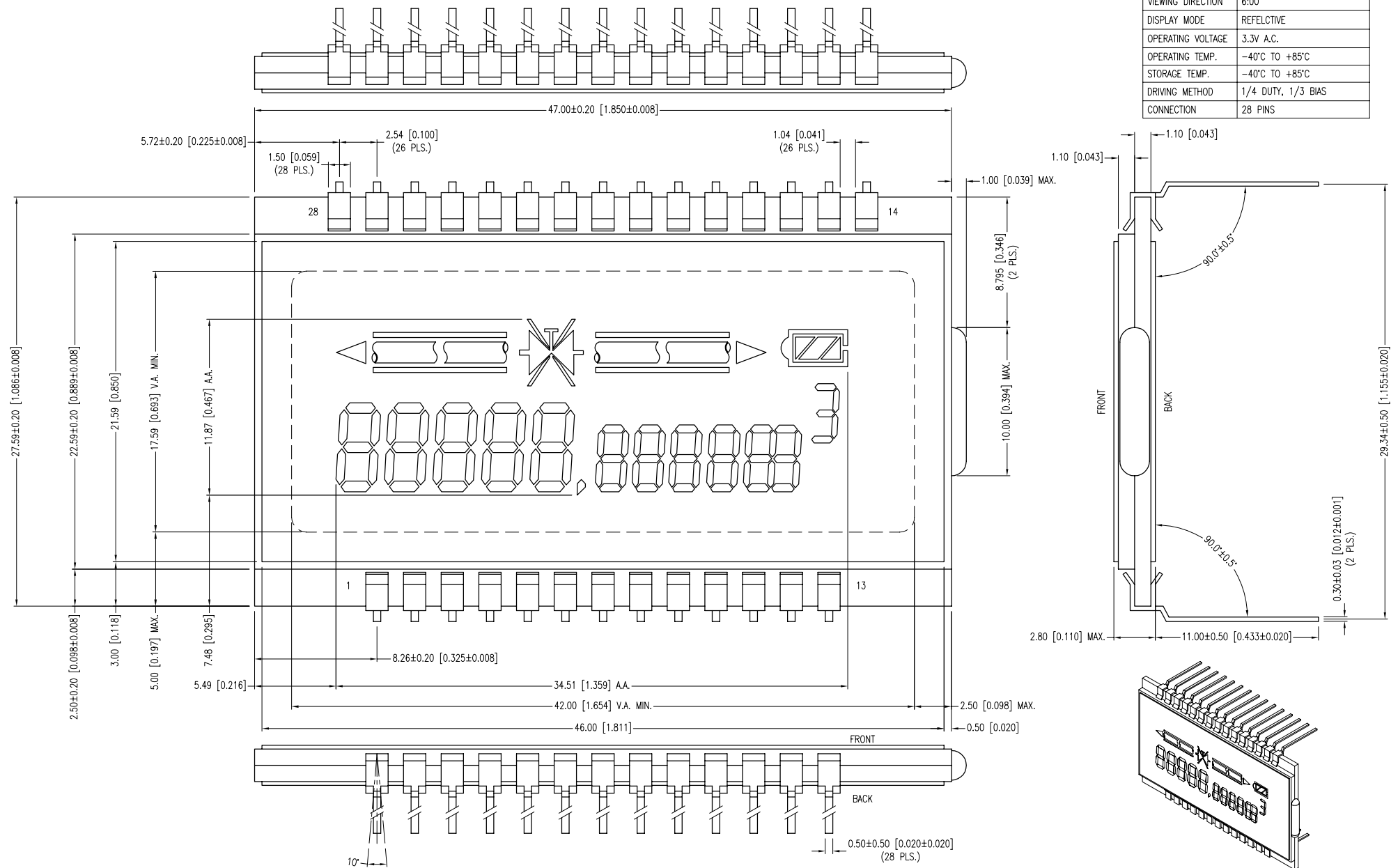


| CHARACTERISTICS   |                    |
|-------------------|--------------------|
| FLUID TYPE        | TN                 |
| BACKGROUND COLOR  | GRAY               |
| VIEWING DIRECTION | 6:00               |
| DISPLAY MODE      | REFLECTIVE         |
| OPERATING VOLTAGE | 3.3V A.C.          |
| OPERATING TEMP.   | -40°C TO +85°C     |
| STORAGE TEMP.     | -40°C TO +85°C     |
| DRIVING METHOD    | 1/4 DUTY, 1/3 BIAS |
| CONNECTION        | 28 PINS            |



\*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=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

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Creating LED and LCD Solutions Together™

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CUSTOM 11 DIGIT LCD PANEL, -40°C TO +85°C OPERATING TEMPERATURE.

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

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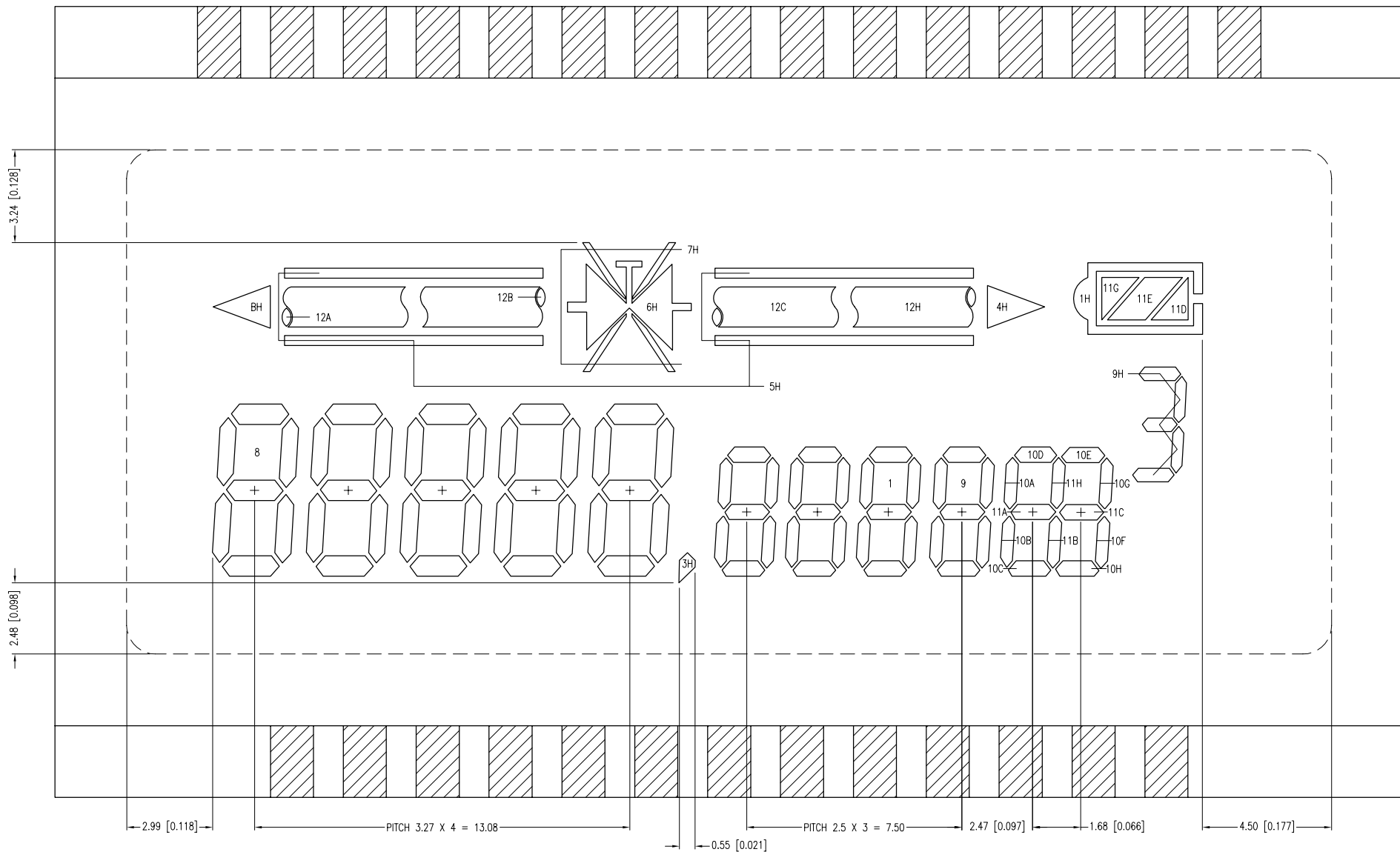
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| DATE: 07.08.11 | DRAWN BY: AB |
|----------------|--------------|

|              |             |
|--------------|-------------|
| PAGE: 1 OF 5 | CHKD BY: JD |
|--------------|-------------|

|            |              |
|------------|--------------|
| SCALE: NTS | APRVD BY: JD |
|------------|--------------|

|                 |      |
|-----------------|------|
| UNIT: mm [INCH] | (Pb) |
|-----------------|------|



| PIN  | 1    | 2    | 3    | 4    | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14  | 15  | 16  | 17  | 18 | 19  | 20  | 21  | 22  | 23 | 24 | 25  | 26 | 27  | 28 |
|------|------|------|------|------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|----|-----|----|-----|----|
| COM0 | -    | -    | -    | COM0 | 8D | 7D | 6D | 5D | 4D | 3H | 3D | 2D | 1D | 10F | 10H | 10B | 10C | 9D | -   | -   | -   | 1E  | 2E | 4E | 5E  | 6E | 7E  | 8E |
| COM1 | -    | -    | COM1 | -    | 8C | 7C | 6C | 5C | 4C | 3E | 3C | 2C | 1C | 11C | 11B | 11A | 9C  | 9E | -   | -   | -   | 1G  | 2G | 4G | 5G  | 6G | 7G  | 8G |
| COM2 | -    | COM2 | -    | -    | 8B | 7B | 6B | 5B | 4B | 3G | 3B | 2B | 1B | 10G | 11H | 10A | 9B  | 9G | 11E | 1H  | 4H  | 1F  | 2F | 4F | 5F  | 6F | 7F  | 8F |
| COM3 | COM3 | -    | -    | -    | 8A | 7A | 6A | 5A | 4A | 3F | 3A | 2A | 1A | 9H  | 10E | 10D | 9A  | 9F | 11D | 11G | 12H | 12C | 6H | 7H | 12B | 5H | 12A | 8H |

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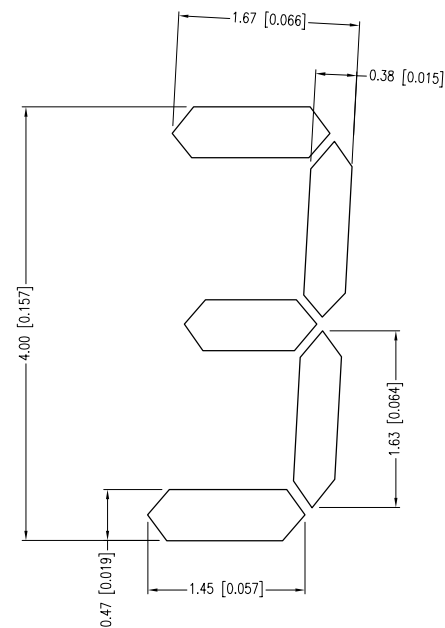
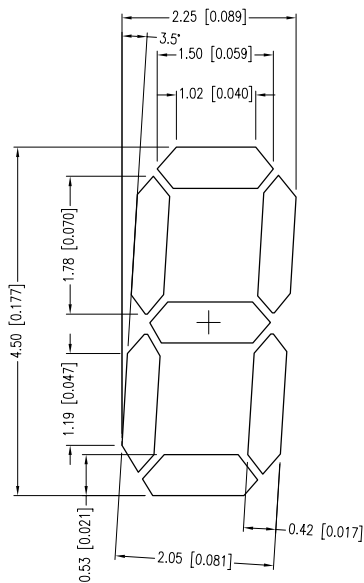
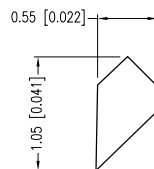
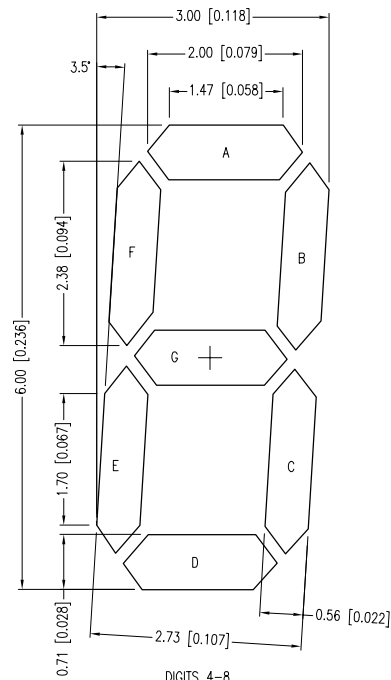
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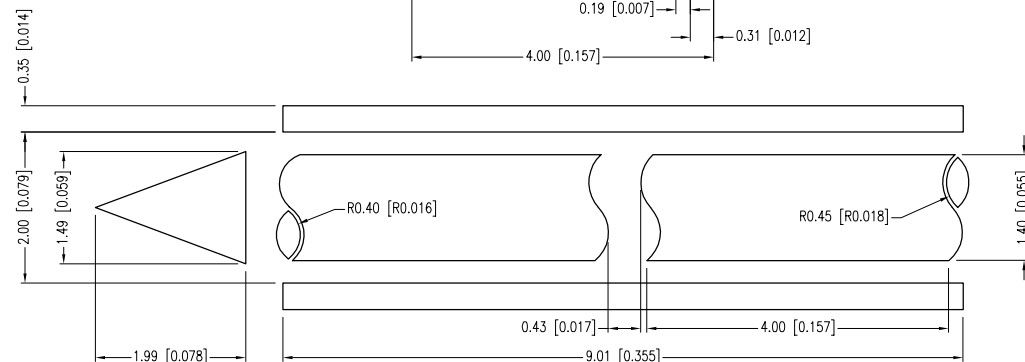
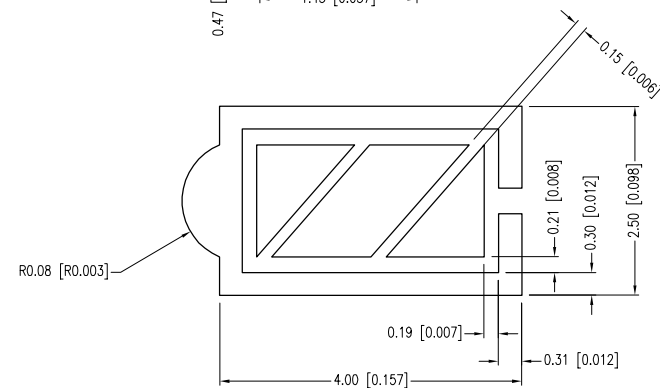
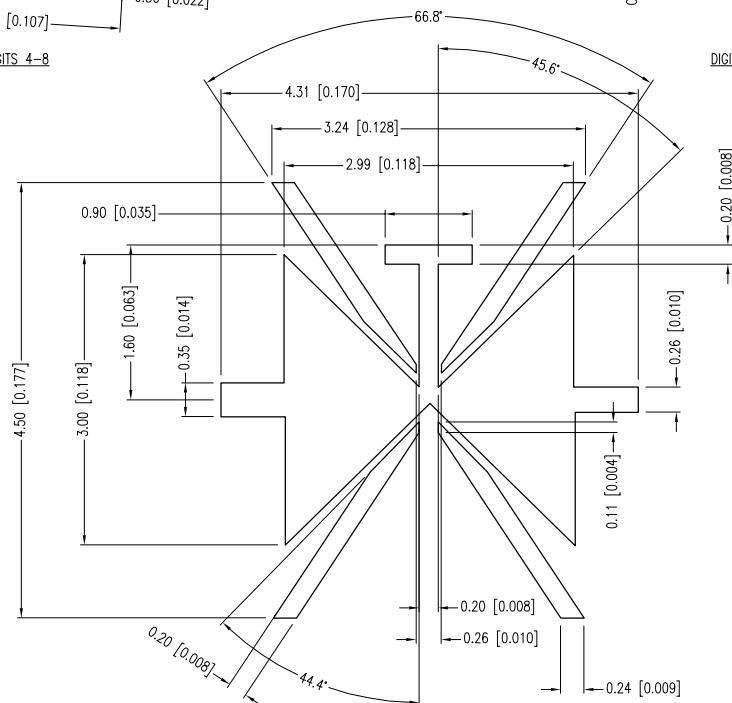
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| PAGE:  | 2 OF 5    | CHKD BY:  | JD |
| SCALE: | NTS       | APRVD BY: | JD |
| UNIT:  | mm [INCH] |           | Ⓟ  |



DIGITS 4-8

DIGITS 1-3,9



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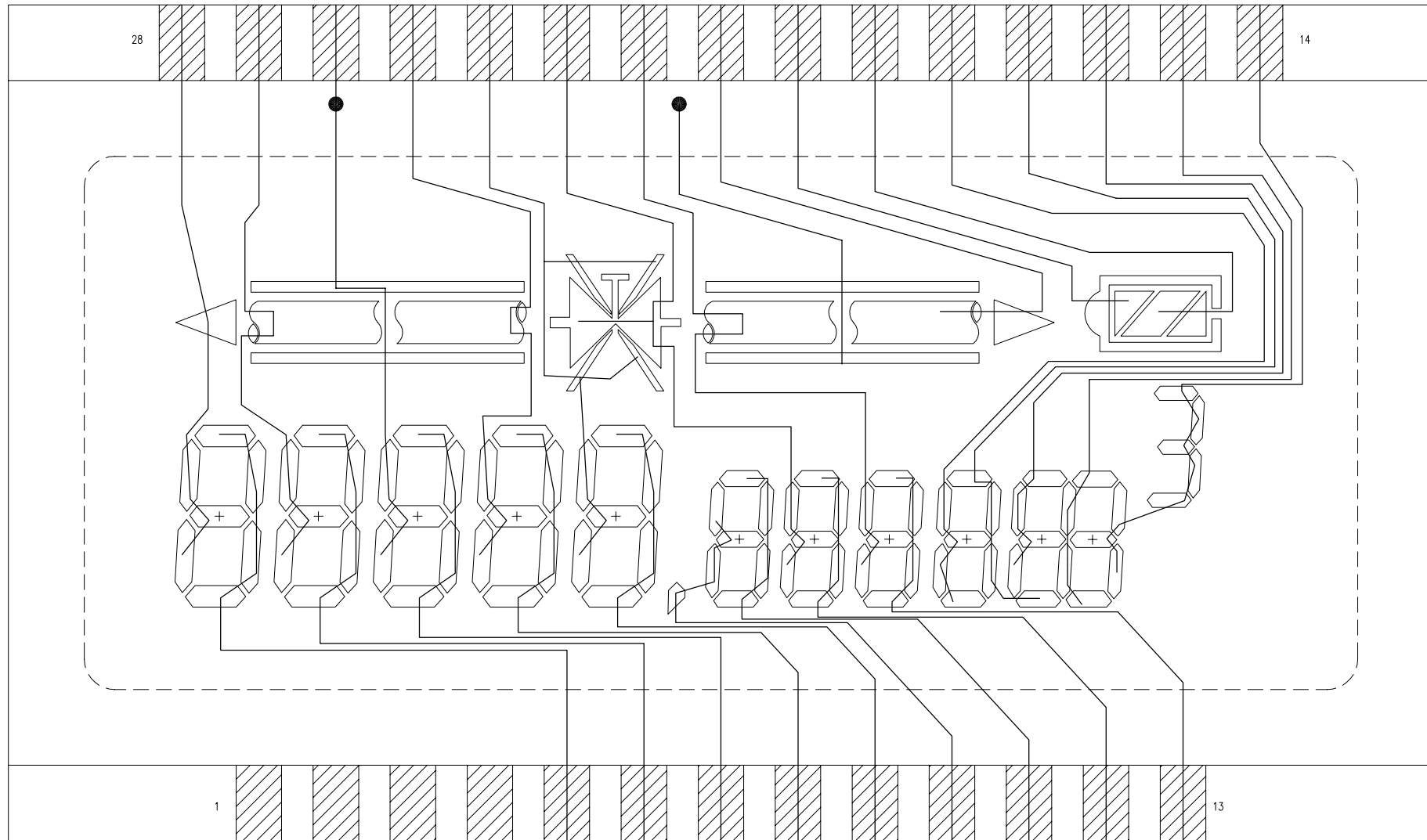
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## SEGMENT TRACKING



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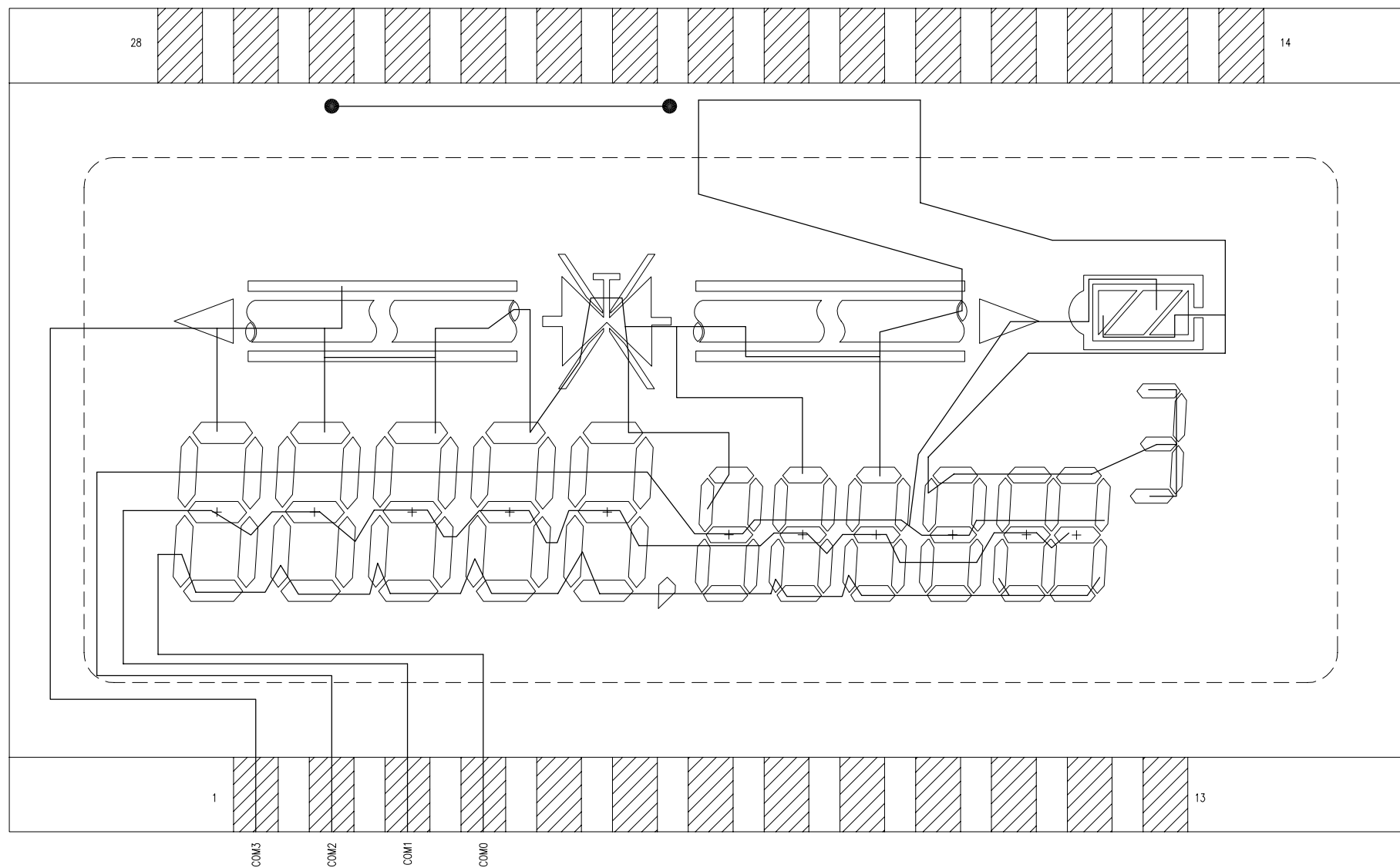
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### COMMON TRACKING



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