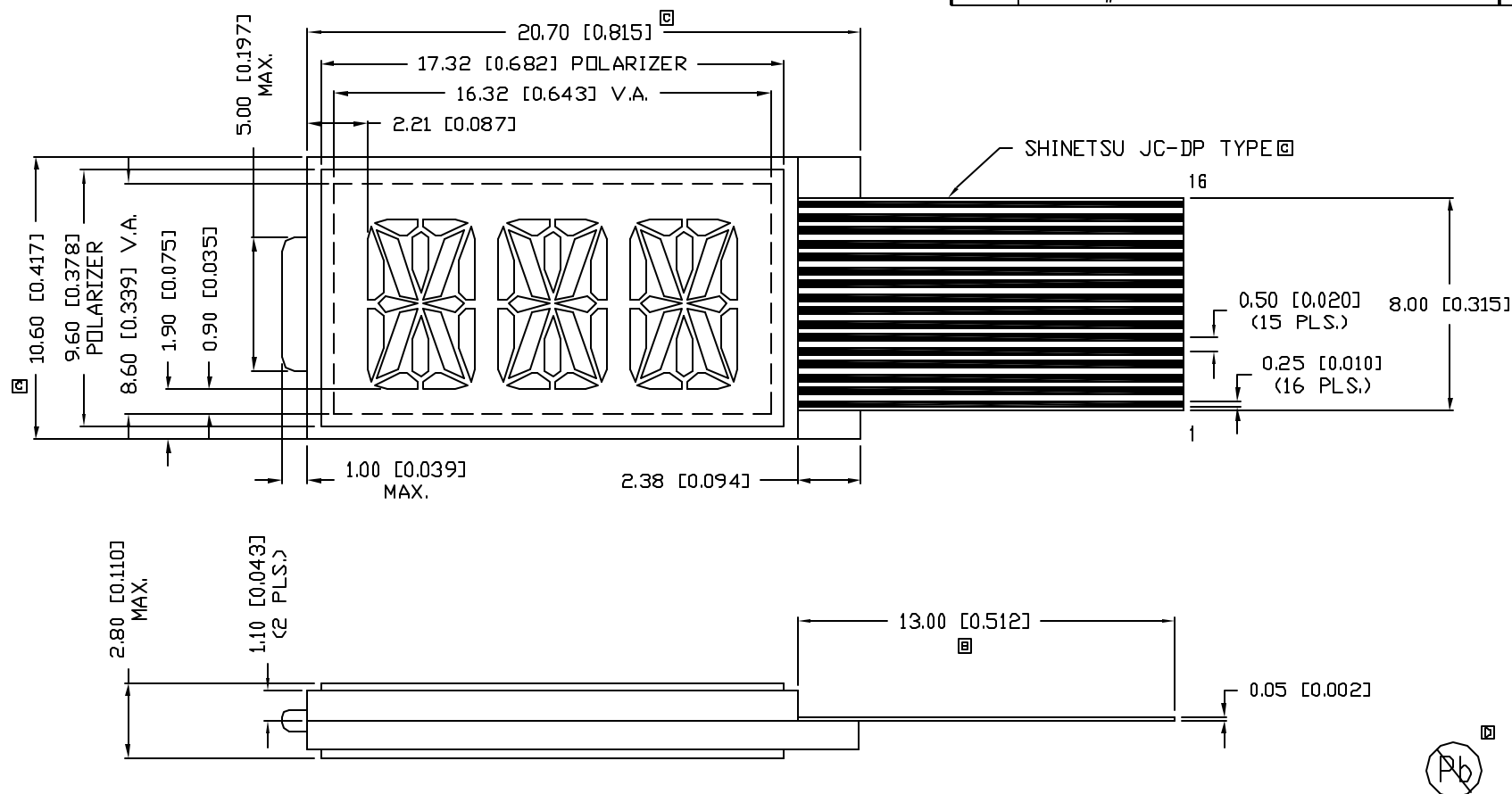


UNCONTROLLED DOCUMENT

PART NUMBER  
LCD-S301A20TF-SREV.  
D

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #10825.                      | 12.26.01 |
| B    | E.C.N. #10832.                      | 1.18.02  |
| C    | E.C.N. #11011.                      | 7.3.03   |
| D    | E.C.N. #11148.                      | 02.08.07 |



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\*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=+DECIMAL PRECISION -0.00 MAX.=+0.00 -DECIMAL PRECISION

REV.

D

PART NUMBER

LCD-S301A20TF-S

3 DIGIT ALPHA NUMERIC LCD PANEL,  
TN, TRANSFLECTIVE, HEAT SEAL CONNECTOR.

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## RELIABILITY NOTE

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.



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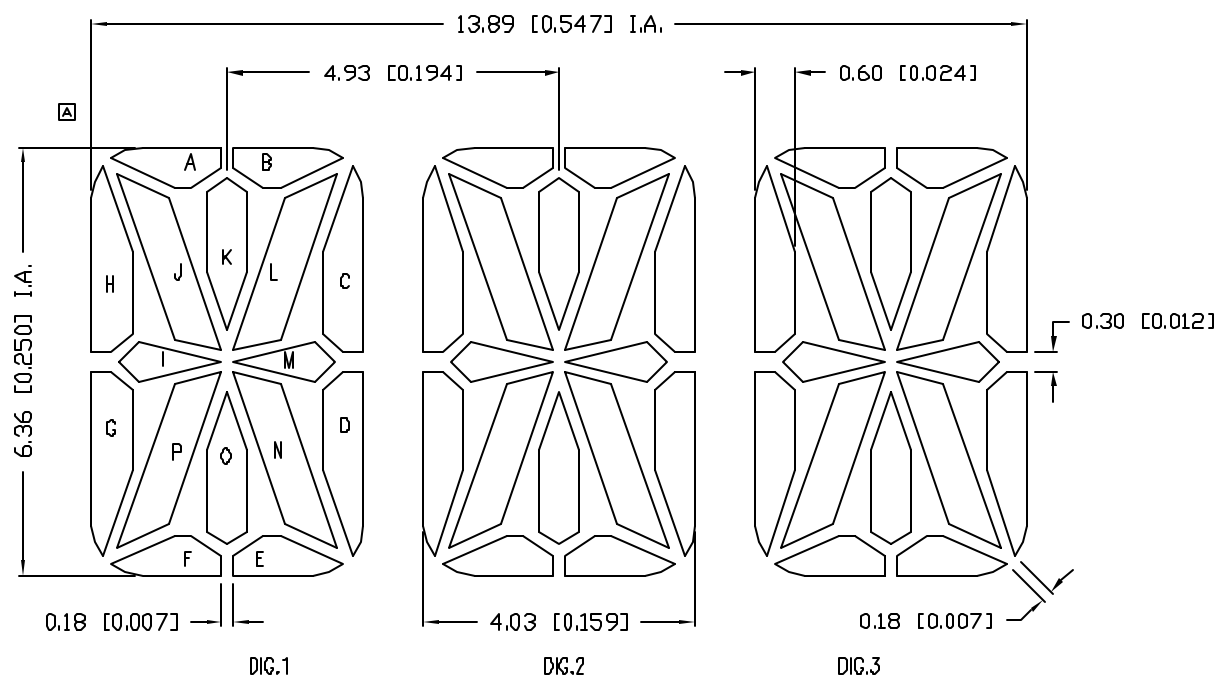
CHECKED BY:

APPROVED BY:

DATE: 8.29.01

PAGE: 1 OF 2

SCALE: N/A



| CHARACTERISTICS   |                        |
|-------------------|------------------------|
| FLUID TYPE        | TN                     |
| BACKGROUND COLOR  | GRAY                   |
| VIEWING DIRECTION | 12:00                  |
| DISPLAY MODE      | TRANSFLECTIVE          |
| OPERATING VOLTAGE | 5.0V A.C.              |
| OPERATING TEMP.   | 0°C TO 50°C            |
| STORAGE TEMP.     | -20°C TO 70°C          |
| DRIVING METHOD    | 1/4 DUTY, 1/3 BIAS     |
| CONNECTION TYPE   | 16 PAD HEAT SEAL CABLE |

| PIN NO. | 1    | 2    | 3  | 4  | 5  | 6  | 7    | 8    |
|---------|------|------|----|----|----|----|------|------|
| COM1    | 2B   | 2C   | 3H | 3A | 3B | 3C |      |      |
| COM2    | 2L   | 2M   | 3J | 3K | 3L | 3M |      |      |
| COM3    | 2O   | 2N   | 3I | 3P | 3O | 3N |      | COM3 |
| COM4    | 2E   | 2D   | 3G | 3F | 3E | 3D | COM4 |      |
| PIN NO. | 9    | 10   | 11 | 12 | 13 | 14 | 15   | 16   |
| COM1    |      | COM1 | 2A | 2H | 1C | 1B | 1A   | 1H   |
| COM2    | COM2 |      | 2K | 2J | 1M | 1L | 1K   | 1J   |
| COM3    |      |      | 2P | 2I | 1N | 1O | 1P   | 1I   |
| COM4    |      |      | 2F | 2G | 1D | 1E | 1F   | 1G   |

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