

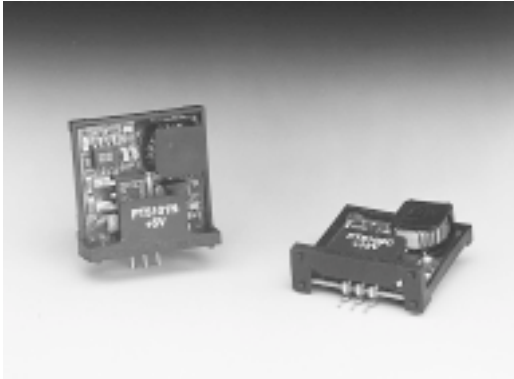
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Jameco Part Number 1364906



### Features

- 90%+ Efficiency
- Internal Short-Circuit Protection
- Pin-Compatible with 3-Terminal Linear Regulators
- Laser-Trimmed Output Voltage
- Over-Temperature Protection
- Small Footprint
- Wide Input Range
- 5-Pin Mount Option (Suffixes L & M)

### Description

The PT5100 modules are a series of economical, easy-to-use 1-A positive step-down, Integrated Switching Regulators (ISRs). These ISRs are compatible with most TO-220 style linear regulators, and when employed as a linear replacement, provide significant benefits in both efficiency and power dissipation. They are recommended for use in a wide variety of on-board power regulation applications. These include computer, data storage, industrial controls, and battery powered equipment. Modules are laser-trimmed for optimal output voltage accuracy, and exhibit excellent line and load regulation. The PT5100 also features output current limiting and thermal shutdown protection.

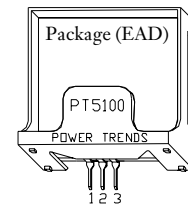
### Ordering Information

|                 |               |
|-----------------|---------------|
| <b>PT5101</b> □ | = +5.0 Volts  |
| <b>PT5102</b> □ | = +12.0 Volts |
| <b>PT5103</b> □ | = +3.3 Volts  |
| <b>PT5105</b> □ | = +6.5 Volts  |
| <b>PT5107</b> □ | = +15.0 Volts |
| <b>PT5109</b> □ | = +5.6 Volts  |
| <b>PT5110</b> □ | = +9.0 Volts  |
| <b>PT5111</b> □ | = +10.0 Volts |
| <b>PT5112</b> □ | = +8.0 Volts  |

### PT Series Suffix (PT1234x)

| Case/Pin Configuration | Order Suffix | Package Code |
|------------------------|--------------|--------------|
| Vertical               | <b>N</b>     | (EAD)        |
| Horizontal             | <b>A</b>     | (EAA)        |
| SMD                    | <b>C</b>     | (EAC)        |
| Horizontal, 2-pin Tab  | <b>M</b>     | (EAM)        |
| SMD, 2-Pin Tab         | <b>L</b>     | (EAL)        |

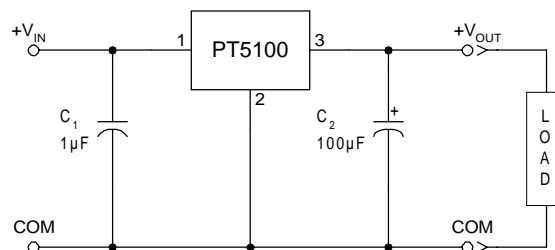
(Reference the applicable package code drawing for the dimensions and PC board layout)



### Pin-Out Information

| Pin | Function         |
|-----|------------------|
| 1   | V <sub>in</sub>  |
| 2   | GND              |
| 3   | V <sub>out</sub> |

### Standard Application



C<sub>1</sub> = Optional 1µF ceramic capacitor  
C<sub>2</sub> = Required 100µF electrolytic

# PT5100 Series

## 1-A Positive Step-down Integrated Switching Regulator

### Specifications (Unless otherwise stated, $T_a = 25^\circ\text{C}$ , $V_{in} = V_{in\text{min}}$ , $C_{out} = 100\mu\text{F}$ , and $I_o = I_{o\text{max}}$ )

| Characteristic                 | Symbol                     | Conditions   | PT5100 SERIES          |                  |                      | Units            |                           |
|--------------------------------|----------------------------|--|------------------------|------------------|----------------------|------------------|---------------------------|
|                                |                            |  | Min                    | Typ              | Max                  |                  |                           |
| Output Current                 | $I_o$                      | Over $V_{in}$ range  | 0.1 <sup>(1)</sup>     | —                | 1.0                  | A                |                           |
| Input Voltage Range            | $V_{in}$                   | Over $I_o$ Range   | $V_o = 3.3\text{V}$    | 9                | —                    | 26               | VDC                       |
|                                |                            |  | $V_o = 5.0\text{V}$    | 9                | —                    | 38               |                           |
|                                |                            |  | $V_o > 5.0\text{V}$    | $V_o + 4$        | —                    | 38               |                           |
| Set Point Voltage Tolerance    | $V_o\text{tol}$            |  | —                      | $\pm 1$          | $\pm 2$              | $\%V_o$          |                           |
| Temperature Variation          | $\text{Reg}_{\text{temp}}$ | $0^\circ \leq T_a \leq +60^\circ\text{C}$ , $I_o = I_{o\text{min}}$          | —                      | $\pm 0.5$        | —                    | $\%V_o$          |                           |
| Line Regulation                | $\text{Reg}_{\text{line}}$ | Over $V_{in}$ range  | —                      | $\pm 5$          | $\pm 10$             | mV               |                           |
| Load Regulation                | $\text{Reg}_{\text{load}}$ | Over $I_o$ range   | —                      | $\pm 5$          | $\pm 10$             | mV               |                           |
| Total Output Voltage Variation | $\Delta V_{o\text{tot}}$   | Includes set-point, line, load,<br>$0^\circ \leq T_a \leq +60^\circ\text{C}$ | —                      | $\pm 1.5$        | $\pm 3$              | $\%V_o$          |                           |
| Efficiency                     | $\eta$                     |  | $V_o = 15\text{V}$     | —                | 95                   | —                | %                         |
|                                |                            |  | $V_o = 12\text{V}$     | —                | 94                   | —                |                           |
|                                |                            |  | $V_o = 10\text{V}$     | —                | 92                   | —                |                           |
|                                |                            |  | $V_o = 5.0\text{V}$    | —                | 90                   | —                |                           |
|                                |                            |  | $V_o = 3.3\text{V}$    | —                | 82                   | —                |                           |
| $V_o$ Ripple (pk-pk)           | $V_r$                      | 20MHz bandwidth  | —                      | 2                | —                    | $\%V_o$          |                           |
| Transient Response             | $t_{tr}$                   | 1A/ $\mu\text{s}$ load step, 50% to 100% $I_{o\text{max}}$                   | —                      | 100              | 200                  | $\mu\text{s}$    |                           |
|                                | $\Delta V_{tr}$            | $V_o$ over/undershoot  | —                      | $\pm 5.0$        | —                    | $\%V_o$          |                           |
| Current Limit                  | $I_{\text{lim}}$           | $\Delta V_o = -1\%$  | 1.2                    | 2.6              | —                    | A                |                           |
| Switching Frequency            | $f_s$                      | Over $V_{in}$ range  | $V_o \geq 5.0\text{V}$ | 500              | 650                  | 800              | kHz                       |
|                                |                            |  | $V_o \leq 3.3\text{V}$ | 575              | 725                  | 875              |                           |
| External Output Capacitance    | $C_{out}$                  |  | 100                    | —                | —                    | $\mu\text{F}$    |                           |
| Operating Temperature Range    | $T_a$                      | Over $V_{in}$ range  | $-40$ <sup>(2)</sup>   | —                | $+85$ <sup>(3)</sup> | $^\circ\text{C}$ |                           |
| Thermal Resistance             | $\theta_{ja}$              | Free-air convection (40-60LFM)   | $V_o = 3.3\text{V}$    | —                | 45                   | —                | $^\circ\text{C}/\text{W}$ |
|                                |                            |  | $V_o = 5.0\text{V}$    | —                | 50                   | —                |                           |
|                                |                            |  | $V_o \geq 12\text{V}$  | —                | 60                   | —                |                           |
| Storage Temperature            | $T_s$                      | —  | $-40$                  | —                | $+125$               | $^\circ\text{C}$ |                           |
| Reliability                    | MTBF                       | Per Bellcore TR-332<br>50% stress, $T_a = 40^\circ\text{C}$ , ground benign  | 11.3                   | —                | —                    | $10^6$ Hrs       |                           |
| Mechanical Shock               | —                          | Per Mil-Std-883D, method 2002.3,<br>1mS, half-sine, mounted to a fixture     | —                      | 500              | —                    | G's              |                           |
| Mechanical Vibration           | —                          | Per Mil-Std-883D, Method 2007.2<br>20-2000Hz, soldered in PC board           | —                      | 5 <sup>(4)</sup> | —                    | G's              |                           |
| Weight                         | —                          | Suffixes N, A, & C   | —                      | 4.5              | —                    | grams            |                           |
|                                |                            | Suffixes L & M   | —                      | 6.5              | —                    |                  |                           |
| Flammability                   | —                          | Materials meet UL 94V-0  | —                      | —                | —                    | —                |                           |

**Notes:** (1) The ISR will operate at no load with reduced specifications.

(2) For operation below  $0^\circ\text{C}$ , use a tantalum type capacitor for  $C_2$ .

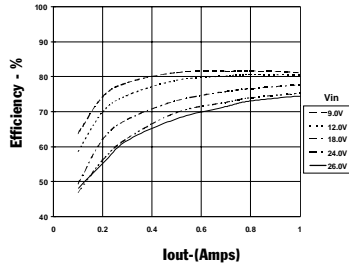
(3) See Thermal Derating curves.

(4) The tab pins on the 5-pin mount package types (suffixes L & M) must be soldered. For more information see the applicable package outline drawing.

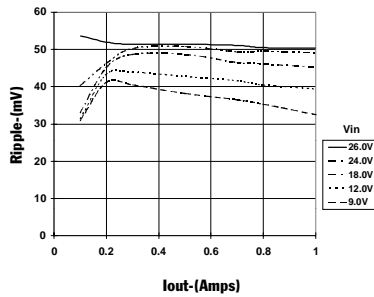
1-A Positive Step-down  
Integrated Switching Regulator

**PT5103, 3.3 VDC** (See Note A)

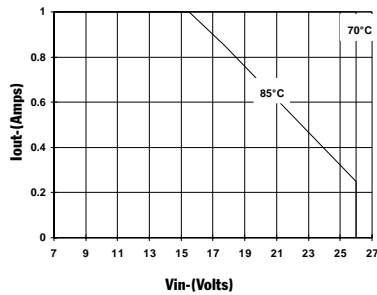
Efficiency vs Output Current



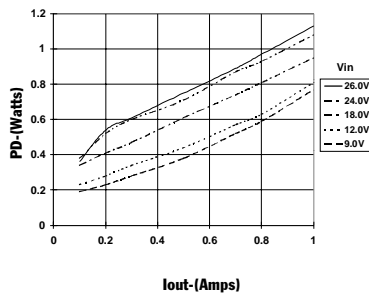
Ripple vs Output Current



Thermal Derating ( $T_A$ ) (See Note B)

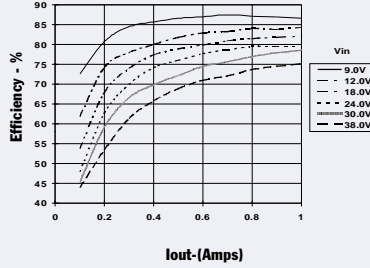


Power Dissipation vs Output Current

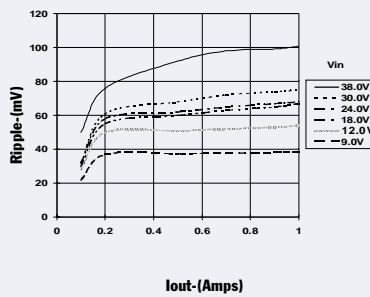


**PT5101, 5.0 VDC** (See Note A)

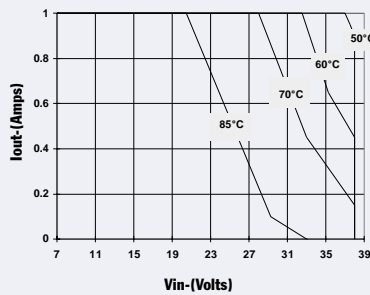
Efficiency vs Output Current



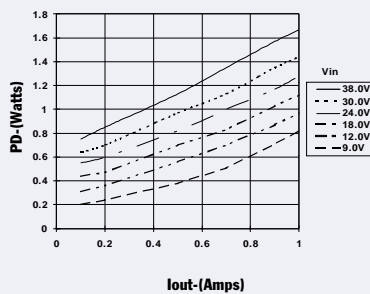
Ripple vs Output Current



Thermal Derating ( $T_A$ ) (See Note B)

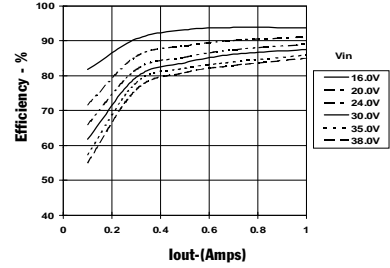


Power Dissipation vs Output Current

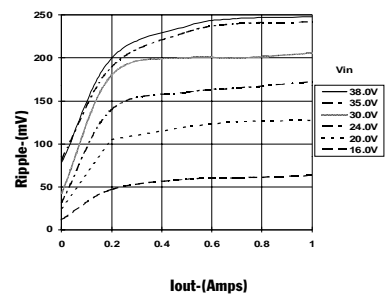


**PT5102, 12.0 VDC** (See Note A)

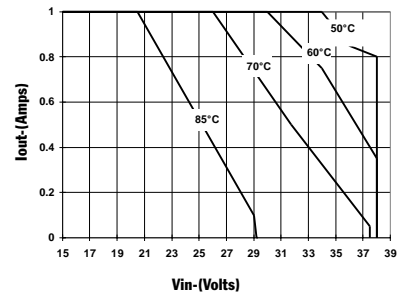
Efficiency vs Output Current



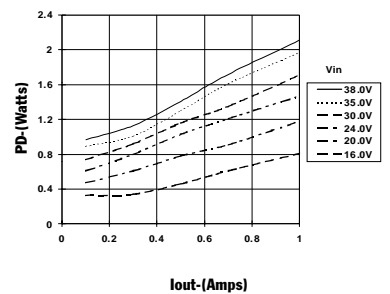
Ripple vs Output Current



Thermal Derating ( $T_A$ ) (See Note B)



Power Dissipation vs Output Current



**Note A:** Characteristic data has been developed from actual products tested at 25°C. This data is considered typical data for the Converter.  
**Note B:** Thermal derating graphs are developed in free-air convection cooling, which corresponds to approximately 40-60LFM of airflow.

**PACKAGING INFORMATION**

| Orderable Device | Status <sup>(1)</sup> | Package Type | Package Drawing | Pins | Package Qty | Eco Plan <sup>(2)</sup> | Lead/Ball Finish | MSL Peak Temp <sup>(3)</sup> |
|------------------|-----------------------|--------------|-----------------|------|-------------|-------------------------|------------------|------------------------------|
| PT5101A          | ACTIVE                | SIP MOD ULE  | EAA             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5101C          | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5101CT         | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 200         | TBD                     | Call TI          | Level-1-215C-UNLIM           |
| PT5101G          | ACTIVE                | SIP MOD ULE  | EAG             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5101H          | ACTIVE                | SIP MOD ULE  | EAH             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5101J          | ACTIVE                | SIP MOD ULE  | EAJ             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5101L          | ACTIVE                | SIP MOD ULE  | EAL             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5101M          | ACTIVE                | SIP MOD ULE  | EAM             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5101N          | ACTIVE                | SIP MOD ULE  | EAD             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5101S          | ACTIVE                | SIP MOD ULE  | EAF             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5101U          | ACTIVE                | SIP MOD ULE  | EAU             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5102A          | ACTIVE                | SIP MOD ULE  | EAA             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5102C          | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5102CT         | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 200         | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5102H          | ACTIVE                | SIP MOD ULE  | EAH             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5102J          | ACTIVE                | SIP MOD ULE  | EAJ             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5102M          | ACTIVE                | SIP MOD ULE  | EAM             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5102N          | ACTIVE                | SIP MOD ULE  | EAD             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5102S          | ACTIVE                | SIP MOD ULE  | EAF             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5103A          | ACTIVE                | SIP MOD ULE  | EAA             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5103C          | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5103H          | ACTIVE                | SIP MOD ULE  | EAH             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5103J          | ACTIVE                | SIP MOD ULE  | EAJ             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5103L          | ACTIVE                | SIP MOD ULE  | EAL             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5103M          | ACTIVE                | SIP MOD ULE  | EAM             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |

| Orderable Device | Status <sup>(1)</sup> | Package Type | Package Drawing | Pins | Package Qty | Eco Plan <sup>(2)</sup> | Lead/Ball Finish | MSL Peak Temp <sup>(3)</sup> |
|------------------|-----------------------|--------------|-----------------|------|-------------|-------------------------|------------------|------------------------------|
| PT5103N          | ACTIVE                | SIP MOD ULE  | EAD             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5105A          | ACTIVE                | SIP MOD ULE  | EAA             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5105C          | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5105L          | ACTIVE                | SIP MOD ULE  | EAL             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5105N          | ACTIVE                | SIP MOD ULE  | EAD             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5107A          | ACTIVE                | SIP MOD ULE  | EAA             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5107C          | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5107J          | ACTIVE                | SIP MOD ULE  | EAJ             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5107M          | ACTIVE                | SIP MOD ULE  | EAM             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5107N          | ACTIVE                | SIP MOD ULE  | EAD             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5109A          | ACTIVE                | SIP MOD ULE  | EAA             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5109C          | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5109M          | ACTIVE                | SIP MOD ULE  | EAM             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5109N          | ACTIVE                | SIP MOD ULE  | EAD             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5110A          | ACTIVE                | SIP MOD ULE  | EAA             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5110C          | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5110N          | ACTIVE                | SIP MOD ULE  | EAD             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5110S          | ACTIVE                | SIP MOD ULE  | EAF             | 3    | 16          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5111A          | ACTIVE                | SIP MOD ULE  | EAA             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5111M          | ACTIVE                | SIP MOD ULE  | EAM             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5111N          | ACTIVE                | SIP MOD ULE  | EAD             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5112A          | ACTIVE                | SIP MOD ULE  | EAA             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |
| PT5112C          | ACTIVE                | SIP MOD ULE  | EAC             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5112L          | ACTIVE                | SIP MOD ULE  | EAL             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | Level-1-215C-UNLIM           |
| PT5112N          | ACTIVE                | SIP MOD ULE  | EAD             | 3    | 35          | Pb-Free (RoHS)          | Call TI          | N / A for Pkg Type           |

<sup>(1)</sup> The marketing status values are defined as follows:

---

**ACTIVE:** Product device recommended for new designs.

**LIFEBUY:** TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.

**NRND:** Not recommended for new designs. Device is in production to support existing customers, but TI does not recommend using this part in a new design.

**PREVIEW:** Device has been announced but is not in production. Samples may or may not be available.

**OBSOLETE:** TI has discontinued the production of the device.

<sup>(2)</sup> Eco Plan - The planned eco-friendly classification: Pb-Free (RoHS), Pb-Free (RoHS Exempt), or Green (RoHS & no Sb/Br) - please check <http://www.ti.com/productcontent> for the latest availability information and additional product content details.

**TBD:** The Pb-Free/Green conversion plan has not been defined.

**Pb-Free (RoHS):** TI's terms "Lead-Free" or "Pb-Free" mean semiconductor products that are compatible with the current RoHS requirements for all 6 substances, including the requirement that lead not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, TI Pb-Free products are suitable for use in specified lead-free processes.

**Pb-Free (RoHS Exempt):** This component has a RoHS exemption for either 1) lead-based flip-chip solder bumps used between the die and package, or 2) lead-based die adhesive used between the die and leadframe. The component is otherwise considered Pb-Free (RoHS compatible) as defined above.

**Green (RoHS & no Sb/Br):** TI defines "Green" to mean Pb-Free (RoHS compatible), and free of Bromine (Br) and Antimony (Sb) based flame retardants (Br or Sb do not exceed 0.1% by weight in homogeneous material)

<sup>(3)</sup> MSL, Peak Temp. -- The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

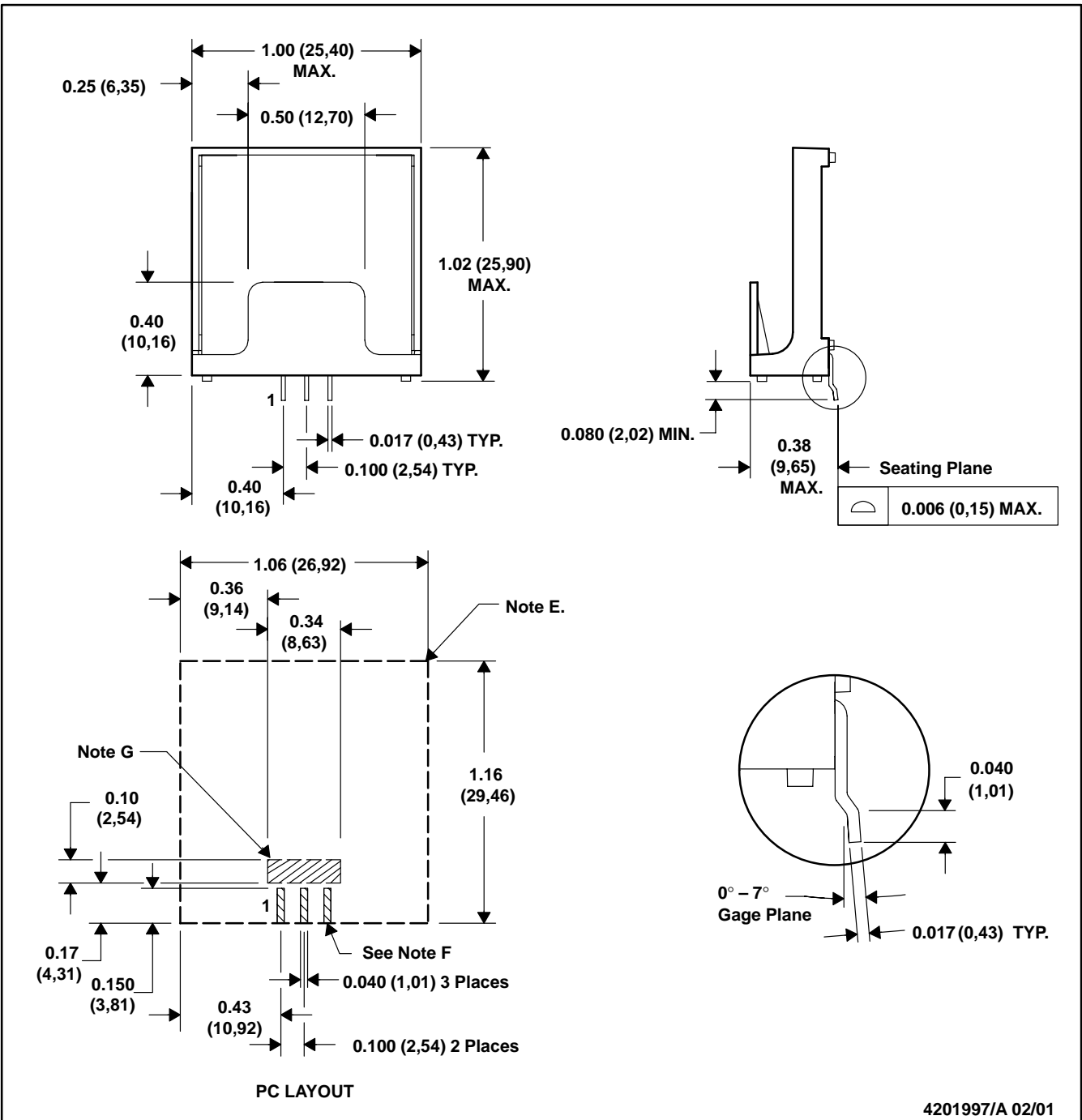
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EAC (R-PSIP-G3)

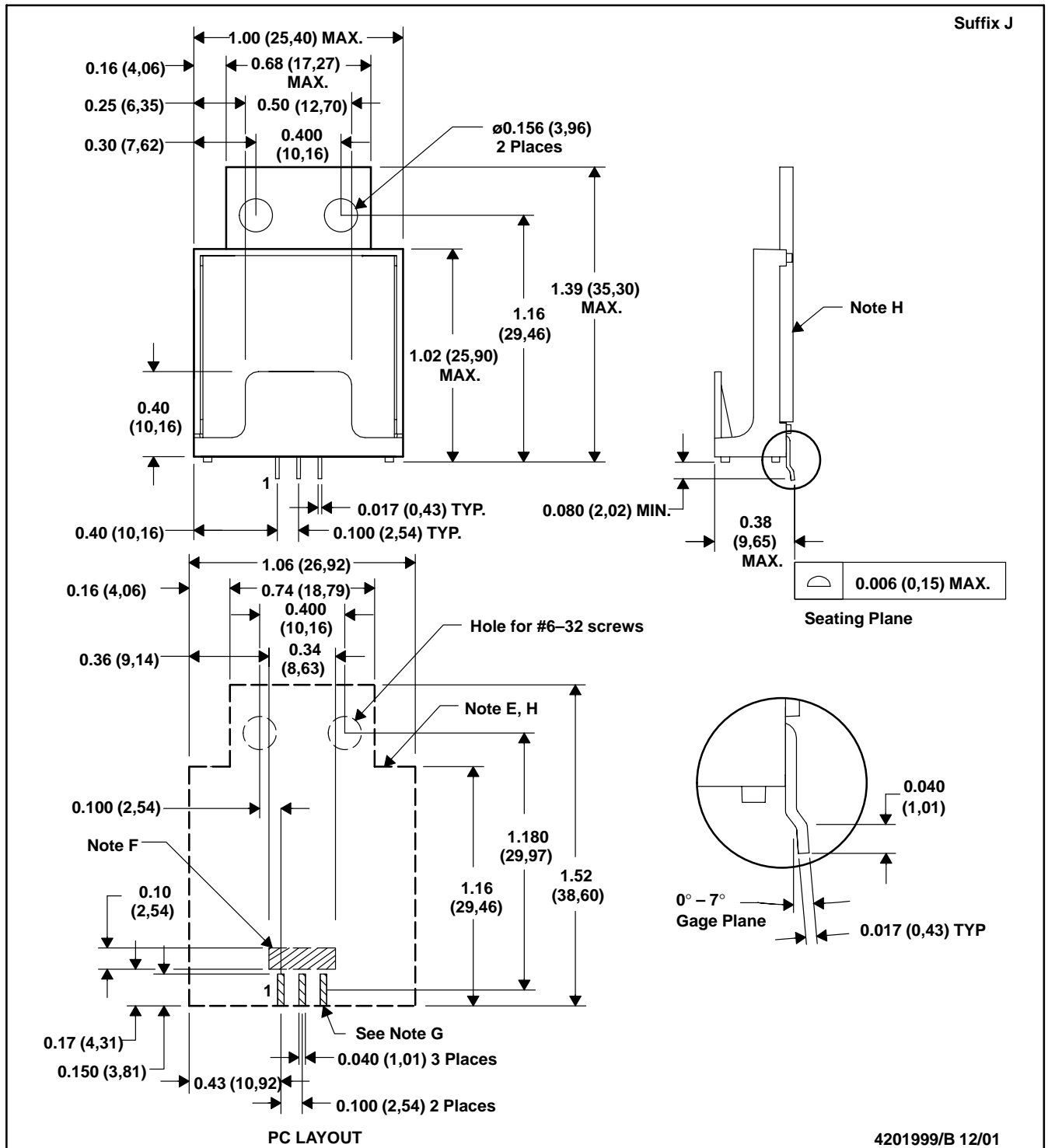
PLASTIC SINGLE-IN-LINE MODULE



- NOTES: A. All linear dimensions are in inches (mm).  
 B. This drawing is subject to change without notice.  
 C. 2-place decimals are  $\pm 0.030$  ( $\pm 0,76$  mm).  
 D. 3-place decimals are  $\pm 0.010$  ( $\pm 0,25$  mm).  
 E. Recommended mechanical keep-out area.  
 F. Power pin connections should utilize two or more vias per input, ground and output pin.  
 G. No copper, power or signal traces in this area.

EAJ (R-PSIP-G3)

PLASTIC SINGLE-IN-LINE MODULE

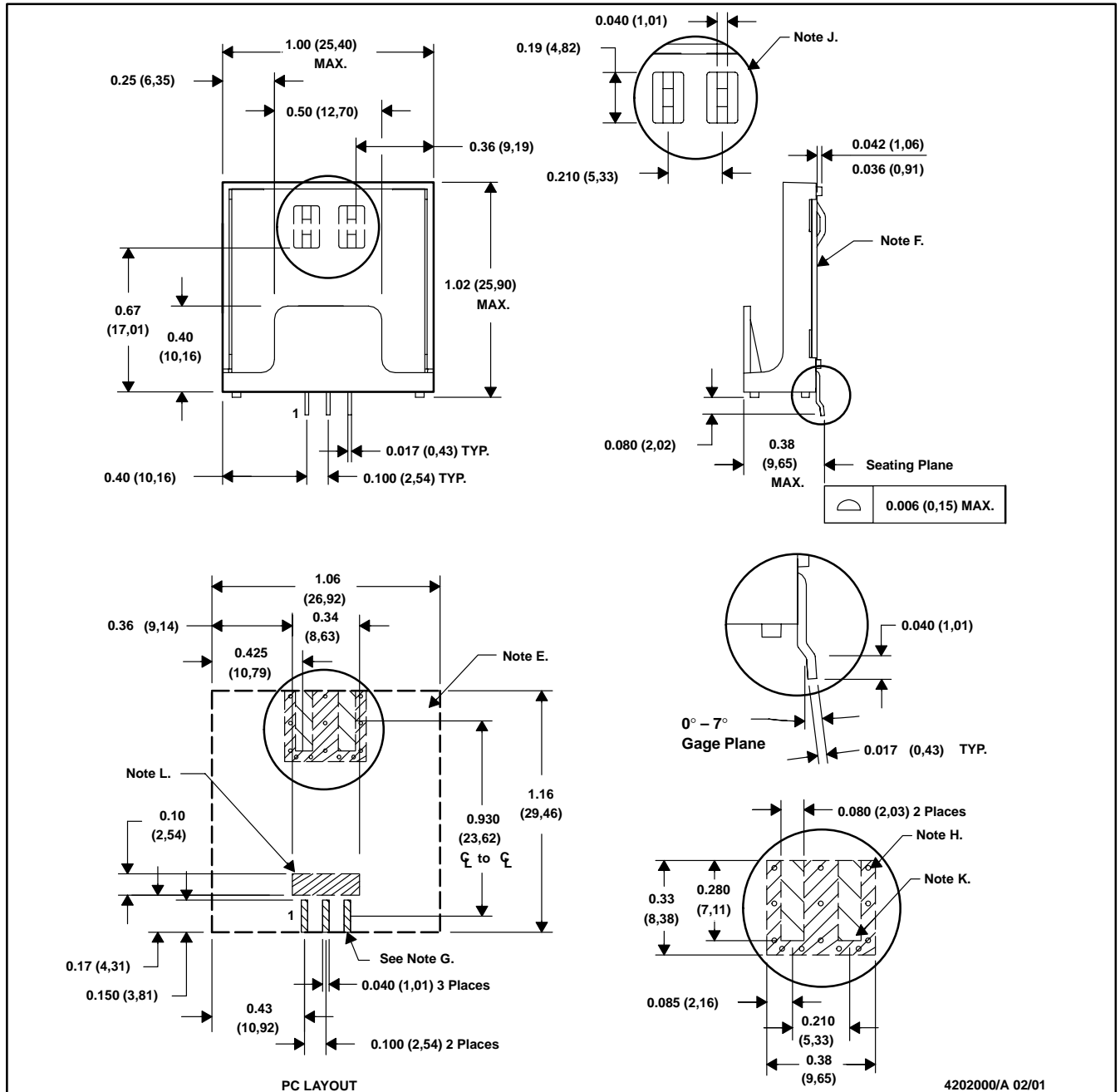


- NOTES:
- A. All linear dimensions are in inches (mm).
  - B. This drawing is subject to change without notice.
  - C. 2-place decimals are  $\pm 0.030$  ( $\pm 0.76$  mm).
  - D. 3-place decimals are  $\pm 0.010$  ( $\pm 0.25$  mm).
  - E. Recommended mechanical keep-out area.
  - F. No copper, power or signal traces in this area.

- G. Power pin connections should utilize two or more vias per input, ground and output pin.
- H. The metal tab is isolated but electrically conductive. No signal traces are allowed under the metal tab area. A solid copper island is recommended, which may be grounded.

EAL (R-PSIP-G3)

PLASTIC SINGLE-IN-LINE MODULE



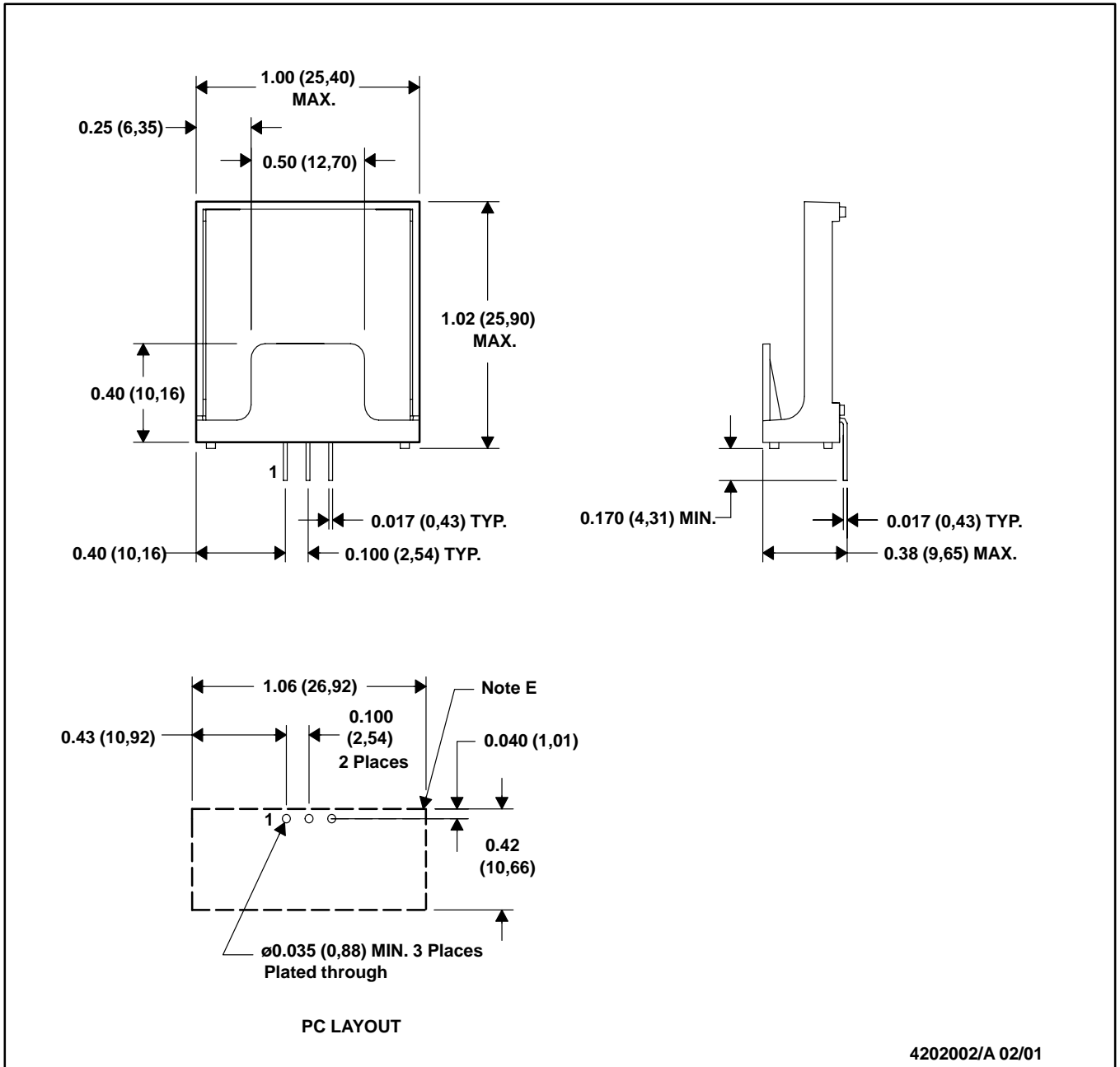
- NOTES:
- A. All linear dimensions are in inches (mm).
  - B. This drawing is subject to change without notice.
  - C. 2-place decimals are  $\pm 0.030$  ( $\pm 0,76$  mm).
  - D. 3-place decimals are  $\pm 0.010$  ( $\pm 0,25$  mm).
  - E. Recommended mechanical keep-out area.
  - F. The metal tab is isolated but electrically conductive. No signal traces are allowed under the metal tab area. A solid copper island is recommended, which may be grounded.
  - G. Power pin connections should utilize two or more vias per input, ground and output pin.

- H. Minimum copper land area required for solder tab. Vias are recommended to improve copper adhesion or connect land to other ground area.
- J. Underside solder tabs detail
- K. Solder mask openings to copper island for solder joints to mechanical pins.
- L. No copper, power or signal traces in this area.



EAD (R-PSIP-T3)

PLASTIC SINGLE-IN-LINE MODULE

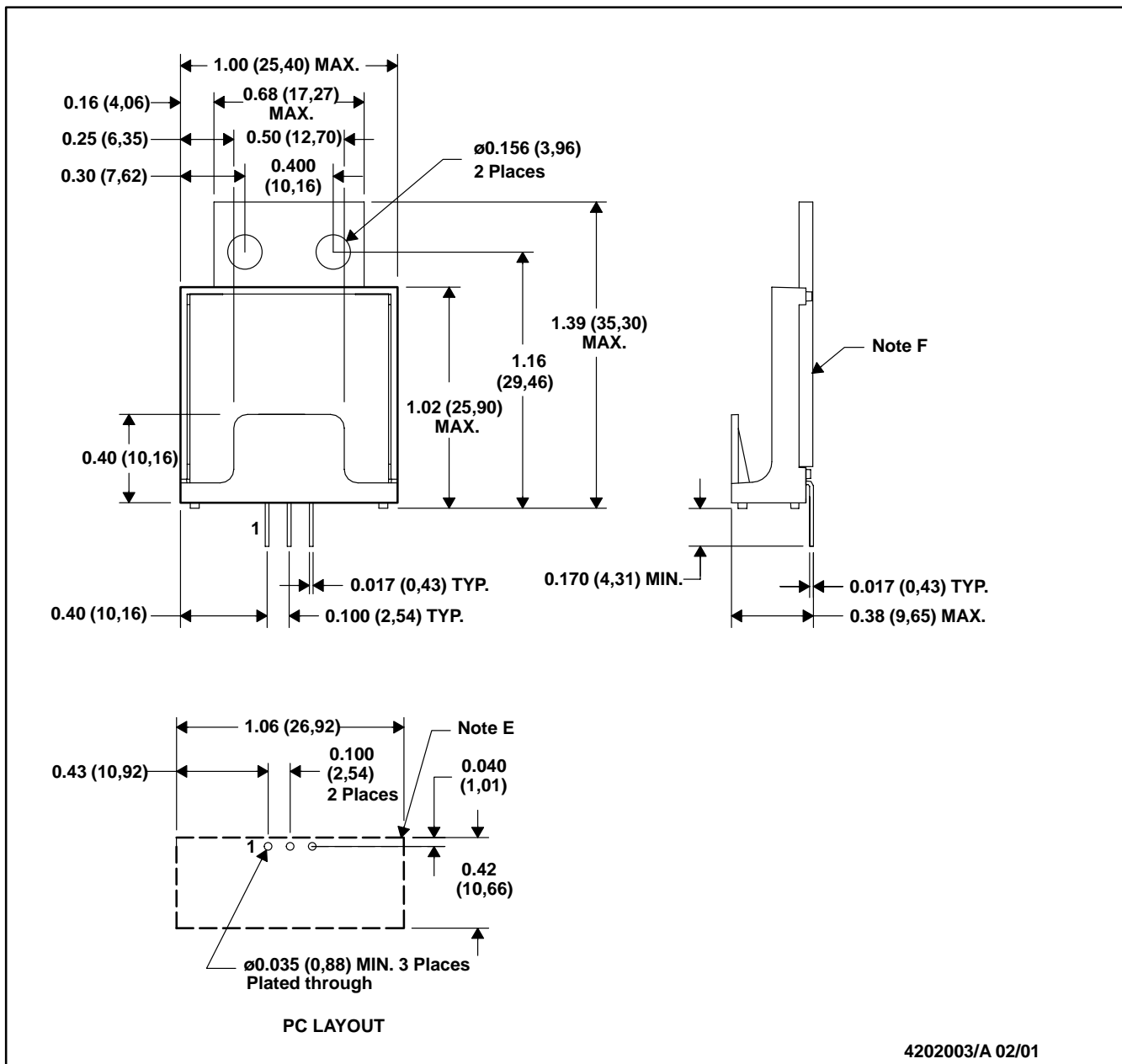


- NOTES: A. All linear dimensions are in inches (mm).  
 B. This drawing is subject to change without notice.  
 C. 2-place decimals are  $\pm 0.030$  ( $\pm 0,76$  mm).  
 D. 3-place decimals are  $\pm 0.010$  ( $\pm 0,25$  mm).  
 E. Recommended mechanical keep-out area.

4202002/A 02/01

EAF (R-PSIP-T3)

PLASTIC SINGLE-IN-LINE MODULE

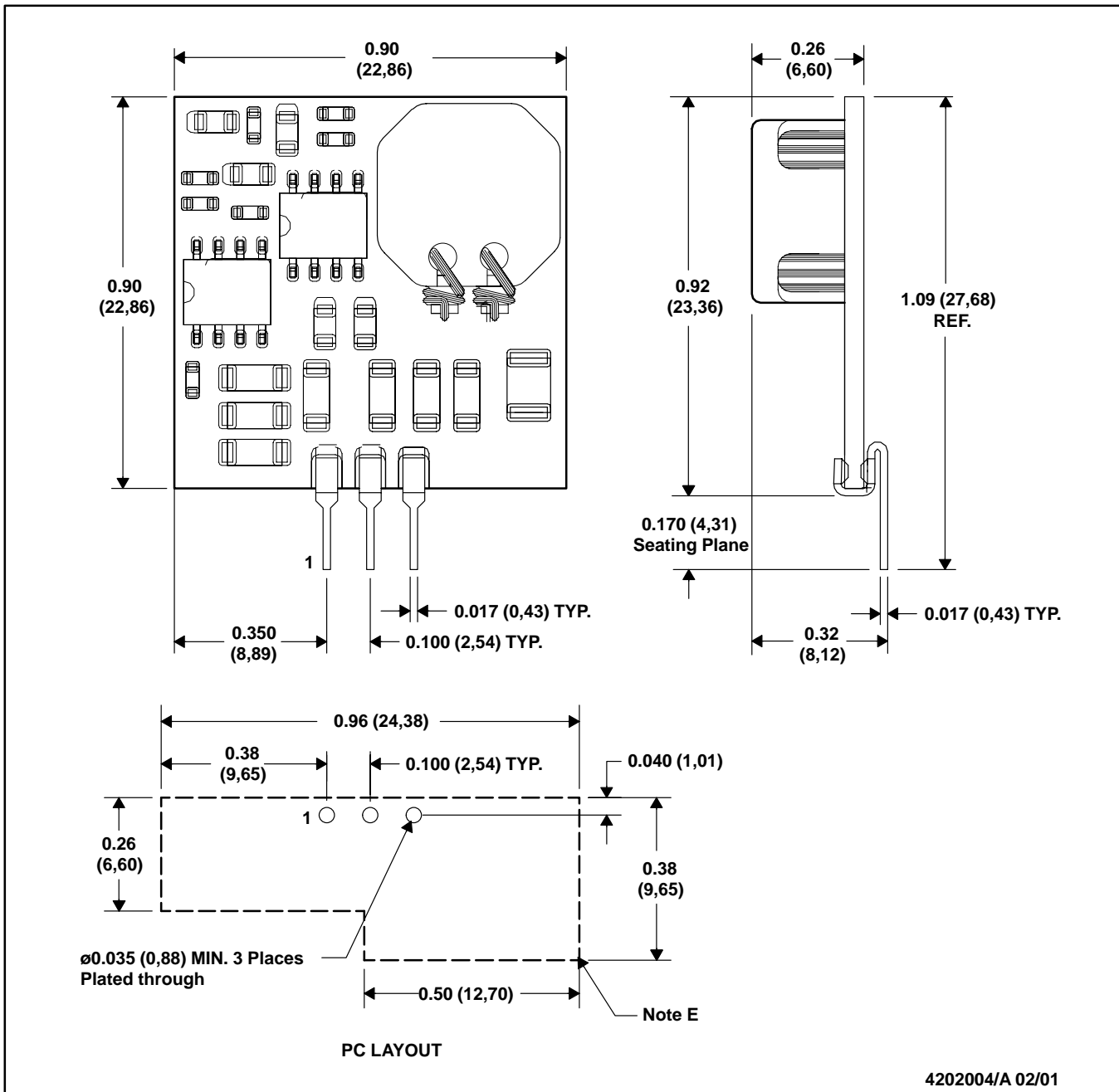


- NOTES: A. All linear dimensions are in inches (mm).  
 B. This drawing is subject to change without notice.  
 C. 2-place decimals are  $\pm 0.030$  ( $\pm 0,76$  mm).  
 D. 3-place decimals are  $\pm 0.010$  ( $\pm 0,25$  mm).  
 E. Recommended mechanical keep-out area.  
 F. The metal tab is isolated but electrically conductive, it can be grounded.

4202003/A 02/01

EAU (S-PSIP-T3)

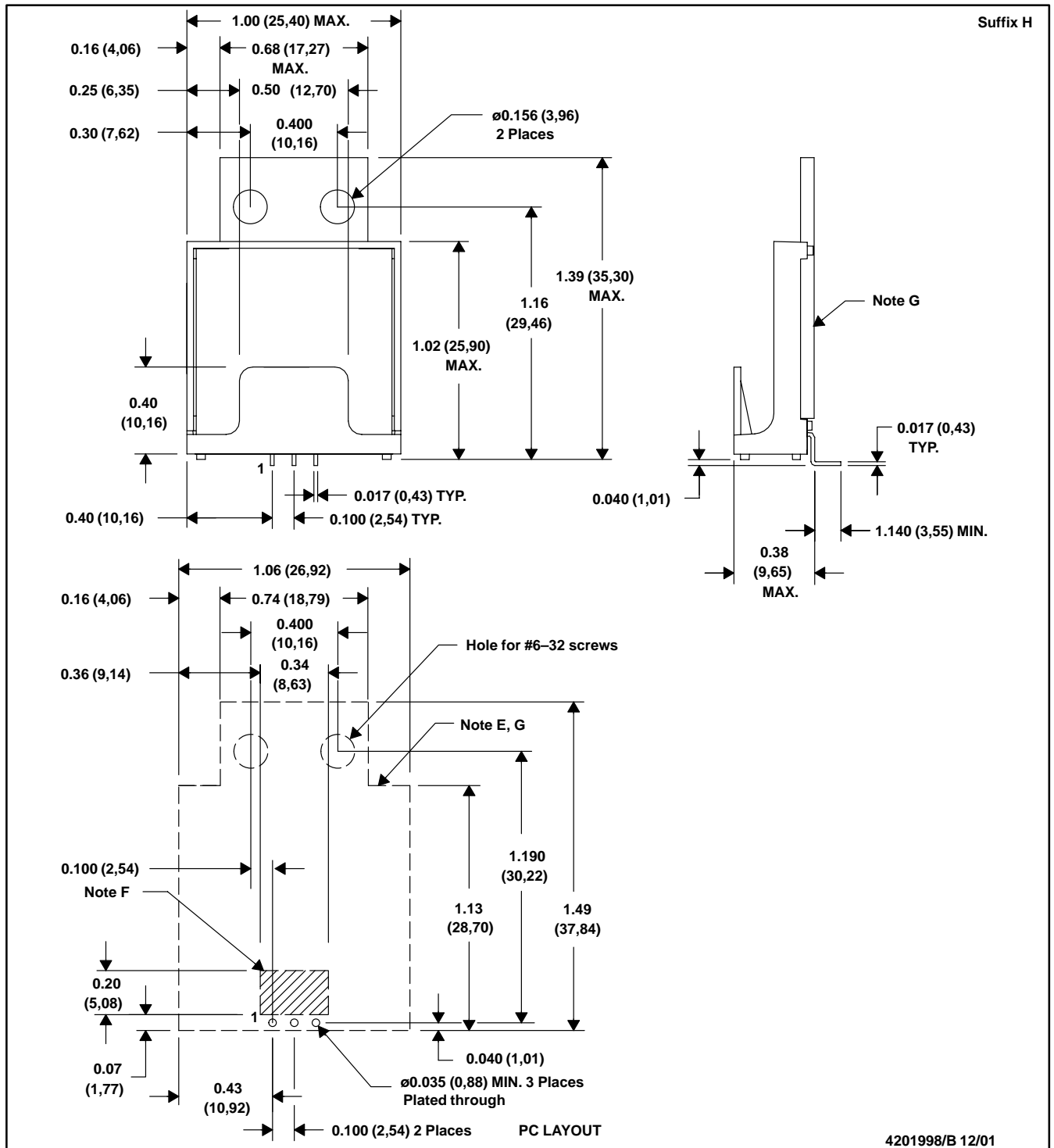
PLASTIC SINGLE-IN-LINE MODULE



- NOTES: A. All linear dimensions are in inches (mm).  
 B. This drawing is subject to change without notice.  
 C. 2-place decimals are  $\pm 0.030$  ( $\pm 0,76$  mm).  
 D. 3-place decimals are  $\pm 0.010$  ( $\pm 0,25$  mm).  
 E. Recommended mechanical keep-out area.

EAH (R-PSIP-T3)

PLASTIC SINGLE-IN-LINE MODULE



- NOTES:
- A. All linear dimensions are in inches (mm).
  - B. This drawing is subject to change without notice.
  - C. 2-place decimals are  $\pm 0.030$  ( $\pm 0.76$  mm).
  - D. 3-place decimals are  $\pm 0.010$  ( $\pm 0.25$  mm).
  - E. Recommended mechanical keep-out area.
  - F. No copper, power or signal traces in this area.
  - G. The metal tab is isolated but electrically conductive. No signal traces are allowed under the metal tab area. A solid copper island is recommended, which may be grounded.

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