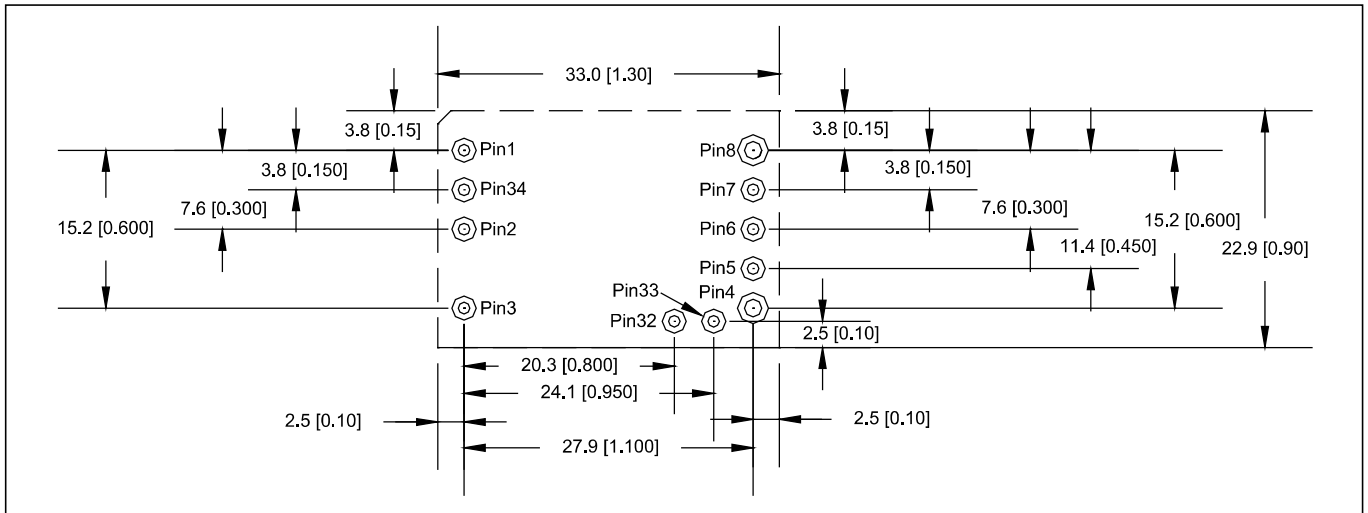


## Mechanical Specification (DIP Style)

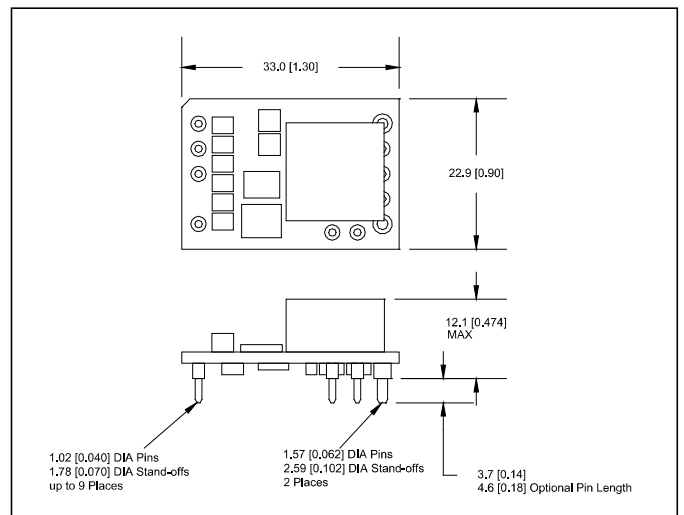
### Recommended Hole Pattern (top view)



### Pinout

| PIN | Function          | PIN | Function      |
|-----|-------------------|-----|---------------|
| 1   | VIN (+)           | 7   | SENSE (+)     |
| 2   | ON / OFF          | 8   | VOUT (+)      |
| 3   | VIN (-)           | 32  | Sync (Option) |
| 4   | VOUT (-)          | 33  | MS (Option)   |
| 5   | PWR GOOD (Option) | 34  | SEQ (Option)  |
| 6   | TRIM              |     |               |

### Mechanical Specification



### Evaluation Boards (DIP Version)

| Evaluation kit part # | Contents                                                                              |
|-----------------------|---------------------------------------------------------------------------------------|
| i6A20A-001-EVK-S1PX   | Populated with one piece of i6A4W020A033V-001-R                                       |
| i6A20A-001-EVK-S1CC   | Populated with one piece of i6A4W020A033V-001-R to set for constant current operation |
| i6A10A-001-EVK-S1PX   | Populated with one piece i6A4W010A033V-001-R.                                         |
| i6A10A-001-EVK-S1CC   | Populated with one piece i6A4W010A033V-001-R set for constant current operation.      |

User manual available at i6A4W technical files in our website, contact technical support for more details on constant current version.

Technical drawing of a mechanical part with dimensions in inches and millimeters. The drawing includes a top view and a side view. The top view shows a rectangular part with a central hole and a series of smaller holes along the bottom edge. The side view shows the profile of the part with a vertical hole. Dimensions are provided in inches [millimeters].

Dimensions (Inches [Millimeters]):

- Overall width: 33.0 [1.30]
- Overall height: 30.7 [1.21]
- Top edge dimensions (from left): 15.8 [0.62], 15.1 [0.59], 9.0 [0.36], 7.8 [0.31], 4.6 [0.18]
- Central hole diameter:  $\varnothing 0.914$  [ $\varnothing 0.036$ ]
- Minimum Plated Through Hole Diameter:  $\varnothing 0.036$  [0.0014]
- Top edge hole diameter: 2.9 [0.114]
- Top edge hole spacing: 1.0 [0.039]
- Top edge hole diameter: 8.2 [0.32]
- Top edge hole spacing: 3.4 [0.13]
- Top edge hole diameter: 1.5 [0.06]
- Top edge hole spacing: 3.00 [0.118] X 2
- Top edge hole diameter: 1.50 [0.059] X 15
- Top edge hole spacing: 28.5 [1.121] REF.
- Top edge hole diameter: 8.2 [0.32]
- Top edge hole spacing: 3.4 [0.13]
- Top edge hole diameter: 1.5 [0.06]

| PIN | Function          | PIN | Function  |
|-----|-------------------|-----|-----------|
| 1   | VIN (+)           | 10  | TRIM      |
| 2   | VIN (+)           | 11  | VOUT (-)  |
| 3   | VIN (+)           | 12  | VOUT (-)  |
| 4   | VIN (-)           | 13  | VOUT (-)  |
| 5   | ON / OFF          | 14  | SENSE (+) |
| 6   | MS (Option)       | 15  | VOUT (+)  |
| 7   | Sync (Option)     | 16  | VOUT (+)  |
| 8   | SEQ (Option)      | 17  | VOUT (+)  |
| 9   | PWR GOOD (Option) | 18  | VOUT (+)  |

The top view shows the overall dimensions of the connector area: a width of  $33.0 \pm 0.38$  [1.300  $\pm$  0.015] and a height of  $24.8 \pm 0.38$  [0.976  $\pm$  0.015]. The pin pitch is  $14.9$  [0.59].

The side view shows the profile of the connector. The total height is  $15.8$  [0.62]. The distance from the top edge to the centerline of the pins is  $10.0$  [0.393] MAX. The distance from the bottom edge to the centerline of the pins is  $1.4$  [0.06].

The bottom view shows the layout of the pins and the internal components. The pin pitch is  $3.00$  [0.118] X 2. The distance from the left edge to the centerline of the pins is  $28.5$  [1.121] REF. The distance from the bottom edge to the centerline of the pins is  $3.6$  [0.14]. The distance from the left edge to the centerline of the pins is  $2.3$  [0.09]. The distance from the bottom edge to the centerline of the pins is  $1.50$  [0.059] X 15 TYP. The distance from the left edge to the centerline of the pins is  $0.51 \times 0.64$  [0.020 X 0.025] TYP. ALL PLACES.