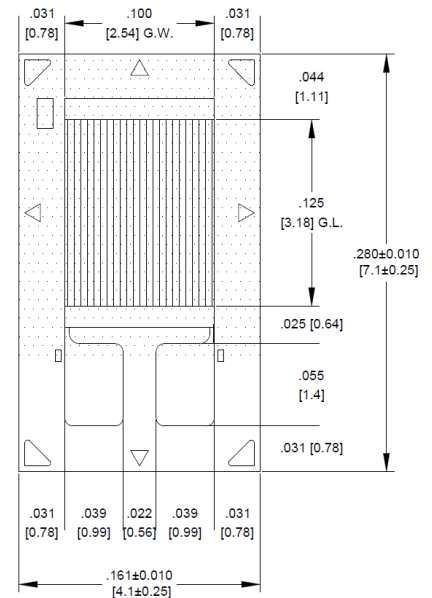


### Main properties

- High performance linear Strain Gage with pre-attached thin cable
- 120Ω grid for reduction of self-heating and thermal induced errors. Grid length: 125[mils]
- Strain Gage is pre-wired with 30AWG, PVC coated, color coded flat cable in 3 wire configuration 9ft
- Gage and wires standard operating temperature up to 80°C
- Easy to use packaging with engineering data
- RoHS compliance



| Item  | Value          |                 |
|---|----------------|-----------------|
| Grid length   | 0.125" [3.2mm] |                 |
| Resistance  | 120±0.3%       |                 |
| Gage Factor   | 2.07           |                 |
| Transverse Sensitivity                                    | 0.53%          |                 |
| Operating Temperature                                     | Up to 80°C     |                 |
| Gage Structure  | Backing        | Polyimide, 20µm |
|   | Resistive Foil | Constantan      |
|   | Encapsulation  | Polyimide*      |
| Thermal performance coefficients on package, per gage lot |                |                 |

\*As a standard, where applicable

\*\* GF and TS values are for A83 ingot, for other ingots slight variations are possible, indicated on package

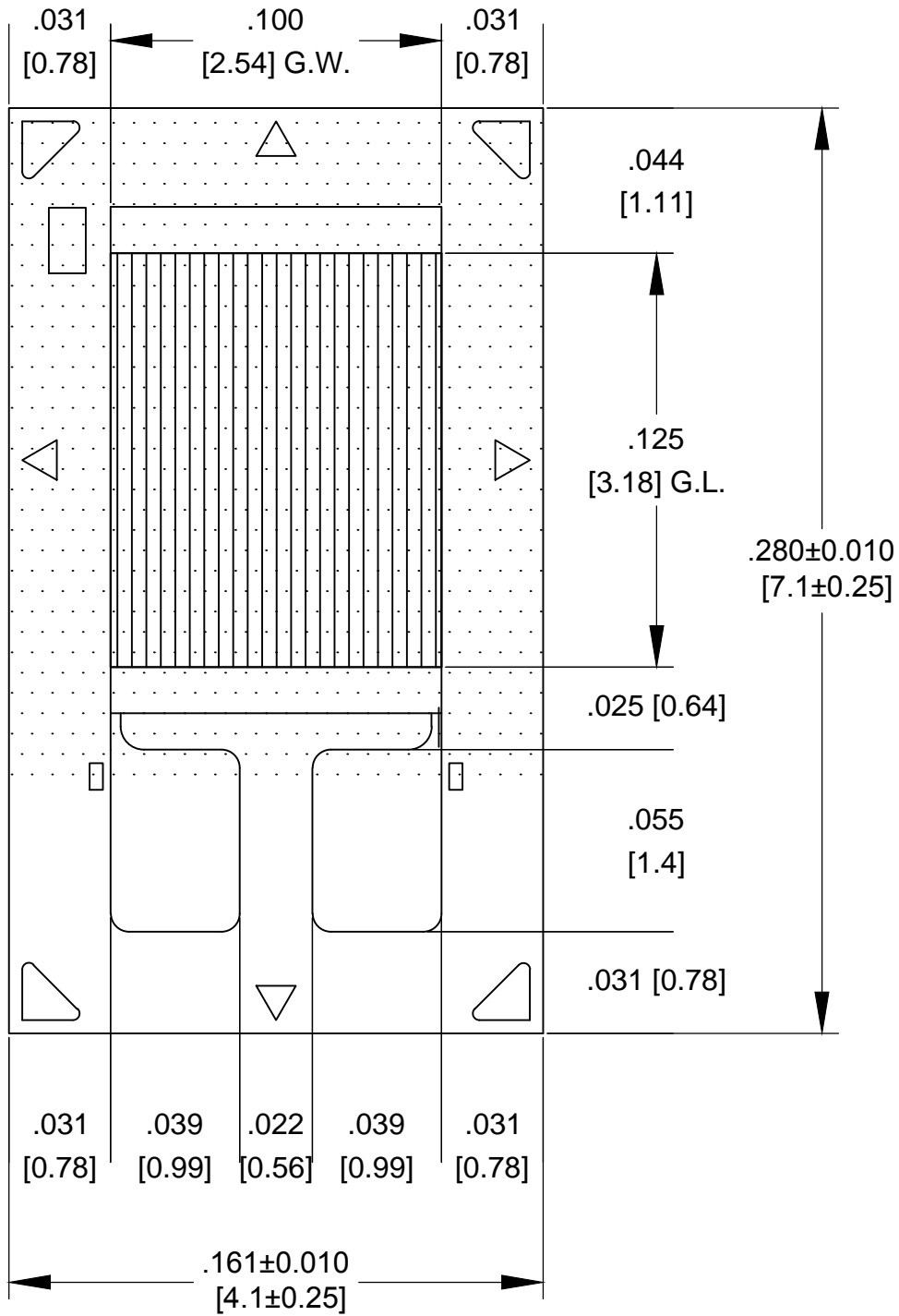
### Wires

- Flat cable of 30AWG wires, PVC insulated, thin and flexible for easy handling
- Stripped and tinned at ends for easy integration directly to DAQ terminals
- Operating temperature up to 80 °C
- Color coding:

| Grid 1     |            |          |
|------------|------------|----------|
| Pad A      | Pad A      | Pad B    |
| Black wire | White Wire | Red Wire |

For technical questions, contact [mm.as@vpgsensors.com](mailto:mm.as@vpgsensors.com)

|     |          |     |         |          |
|-----|----------|-----|---------|----------|
| LTR | REVISION | ERN | INITIAL | DATE     |
| ~   |          |     | OS      | 2018-02- |



DIMENSIONS TOLERANCE IS  $\pm 0.0025$  [ $\pm 0.06$ ]

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Micro-Measurements  
Raleigh, North Carolina USA



## 125SL PATTERN LAYOUT

CONSTRUCTION:

C4A

OPTIONS:

RESISTANCE:

$350 \pm 0.3\%$   
 $120 \pm 0.3\%$

REFERENCE:

DRAWN BY:

OS

PROJ. ENG.

AH

DATE:

2018-02-28

DATE:

2018-02-28

SCALE:

N.T.S.

DWG. #

MS-125SL-10520

ALL DIMENSIONS ARE IN INCH

[mm].

REVISION:

~

# Advanced Sensors 'C4A Series' Packaging

1. Micro-Measurements Advanced Sensors C4A Strain Gages are packaged in a rugged carton box for product protection and ease of usage:



Engineering data is on the backside label

2. Standard package includes 10 gages per box, each gage is packaged in an individual Anti-Static bag:



3. Gage is protected within an Acetate folder. Wire is winded into a coil and binded with a tie twist for easy wire handling:



For technical questions, contact [mm@vpgsensors.com](mailto:mm@vpgsensors.com)

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