



MAKE FROM MODEL:1509-GS-022-A

NOTES:

1. MATERIAL: ASTM A36 STEEL, ALT C1117, C1018  
SPECIFY UNDERSIZE KEYSTOCK TO ALLOW A SLIGHTLY LOOSER FIT.  
SOME MODIFICATION MAY BE REQ'D AT ASS'Y.

2 IDENTIY WITH PART NUMBER AND REV LEVEL

3. NON-SPECIFIED CHAMFERS - 2.0 x 45°

| REV | CHANGED FROM                                   | BY  | DATE     | APRD |
|-----|--|-----|----------|------|
| A   | PRE-RELEASE                                    | JFC | 8/13/12  |      |
| B   | PER 1509-ENC-004, LENGTH FROM 110 mm TO 100 mm | CPS | 1/14/13  |      |
| C   | UPDATE BORDER                                  | CPS | 3/18/13  |      |
| D   | RELEASE FOR PRODUCTION                         | CPS | 4/18/13  |      |
| E   | CHANGES REQUESTED PER MANUFACTURER DRW REVIEW  | CPG | 12/11/13 |      |

REPORT ERRORS & CHANGES  
REMOVE ALL BURRS AND SHARP EDGES  
DIMENSIONS ARE IN MILLIMETERS.  
UNSPECIFIED TOLERANCES:

DECIMALS:      FINISH:      ANGLES:

X.    ±1.0      6.3 /    < ± 0.5°  
.X    ±0.5      √ μm Ra  
.XX   ±0.25

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NOT TO BE REPRODUCED OR USED TO MAKE  
OTHER DRAWINGS OR MACHINERY

DRAWN    JFC    DATE: 8/13/12  
CHECKED   NJB    THIRD ANGLE PRJ

**National Renewable Energy Laboratory**

TITLE:      DRIVE KEY, 40 x 22 x 100

SIZE    DWG. NO.      REV  
**B**      254715      **E**

SCALE: 1:1    WEIGHT: 0.65 kgs    SHEET 1 OF 1