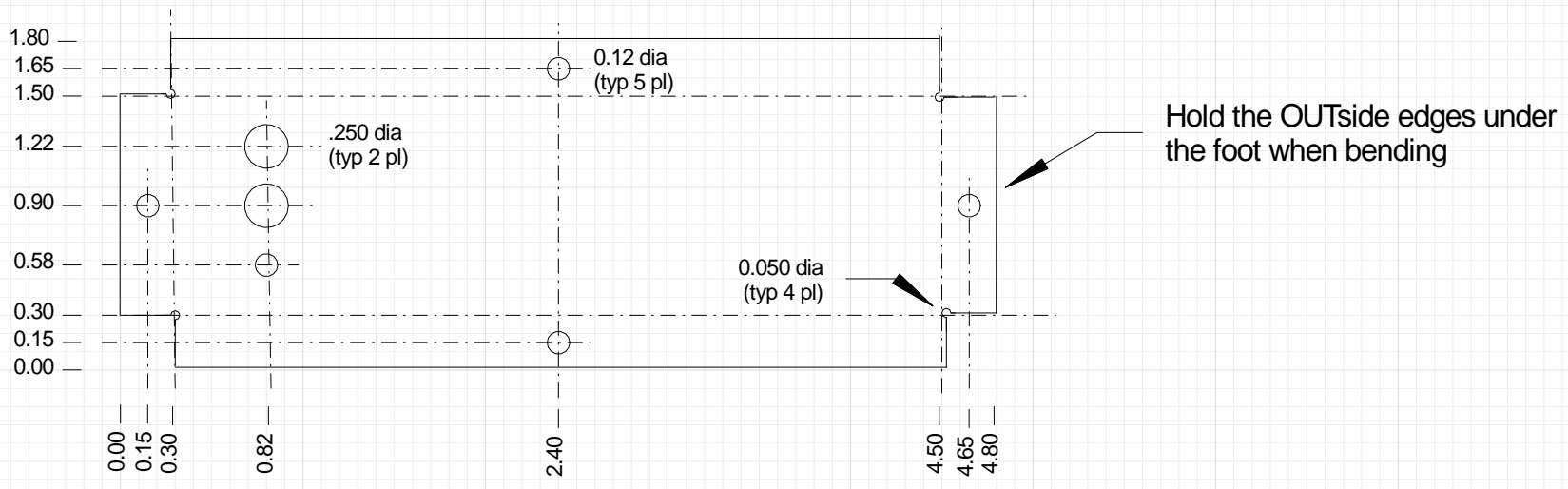


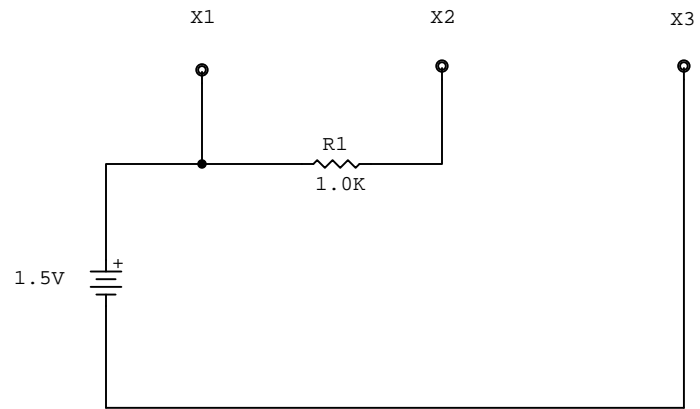
MAT'L - AL ALY
5052 H32
0.050 thk (16 ga)

Jim Wein
22 Sep 2016
MECH-01



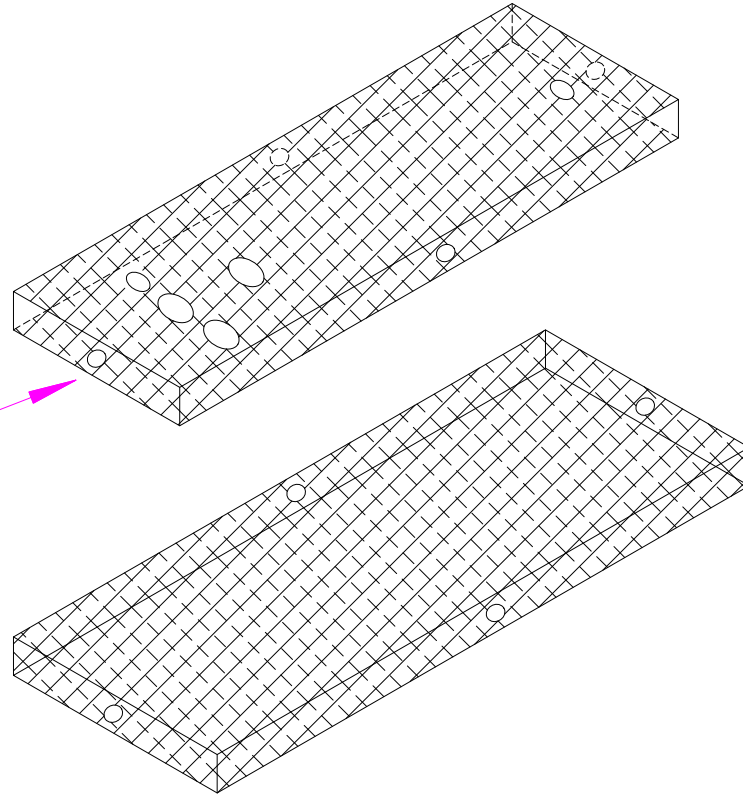
Prototype sketch only
Not for production

Scale:	Approved by:	Drawn by:
Date:		Rev:
RST Engineering 13993 Downwind Court Grass Valley CA 95945 530.272.2203 tech@rst-engr.com		Drawing # 000-0000 sheet 0 of 0



Multimeter Tester	
Rev A	ID 602-5802
Date: 19 Aug '17	Page: 1 of 1

Drawing
6622-2203



3-D Chassis Drawing
602 Multimeter Tester

Scale: NTS

Drawn by: OWJ

Approved by:

Date: 30 Aug '17

Rev: A

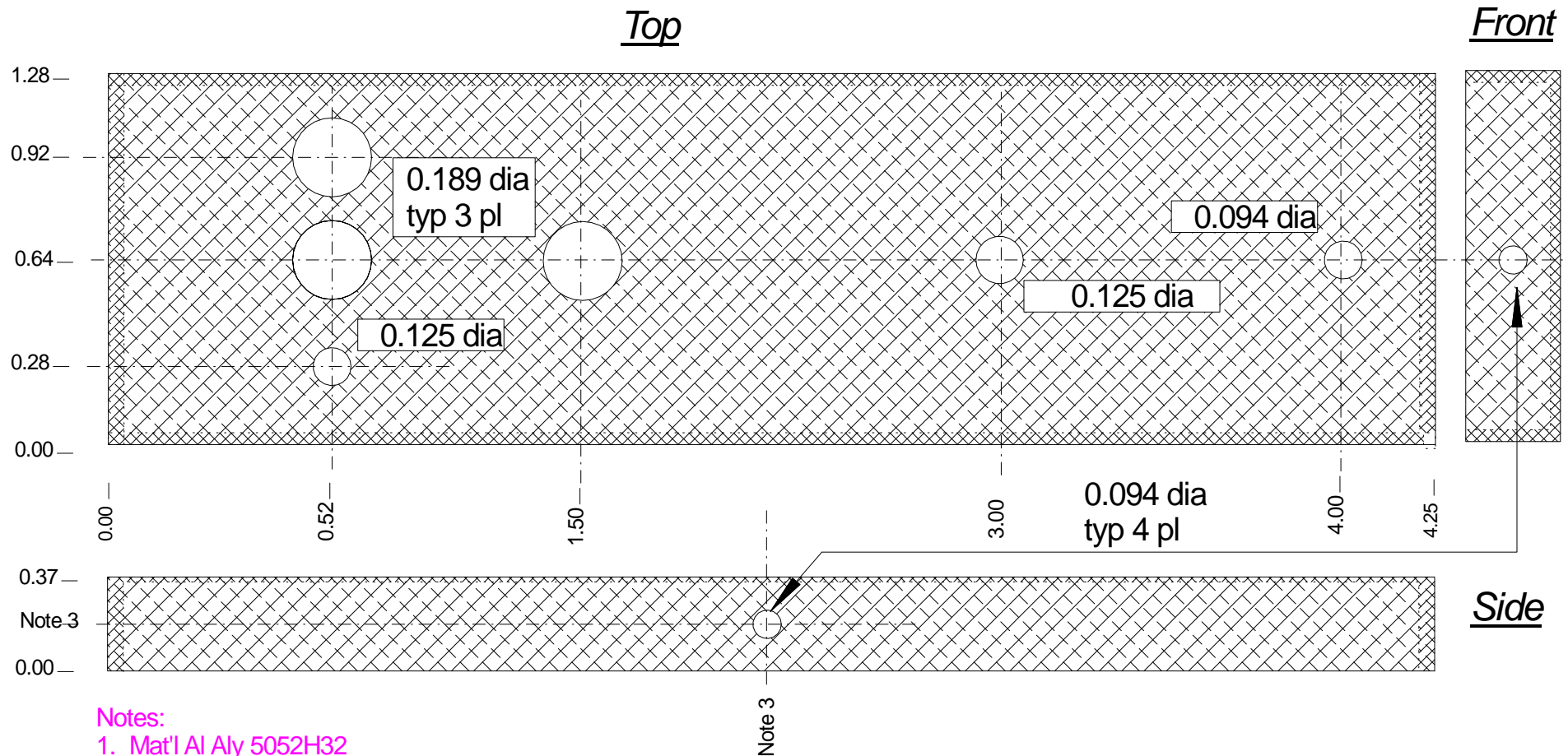


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tech@rst-engr.com

Drawing
#602-0600
Sheet 1 of 1



Notes:

1. Mat'l Al Aly 5052H32
2. Remove all sharp edges.
3. Drill/punch 4 0.094" holes using cover as template.
4. MIL-TDD-41
5. Rev B: Added view definitions, changed 1.50 to 2.10 dim on front., changed 0.30 dim & 0.15 on front to 0.37 & 0.18, added 0.12 hole on top at 0.64 x 4.00.
6. Rev C: Changed 3 holes from 0.25 to 0.189 dia. Changed 6 holes to 0.094 dia. Added 0.125 hole at c/l x 3.00"
7. Rev D: Changed one hole from 0.094 dia to 0.125 dia at 0.52 x 0.28y.

Multimeter Calibrator
Chassis Drawing

Scale: 2:1

Date: 14 Mar '19

Drawn by: OWJ

Rev: D

Approved by:

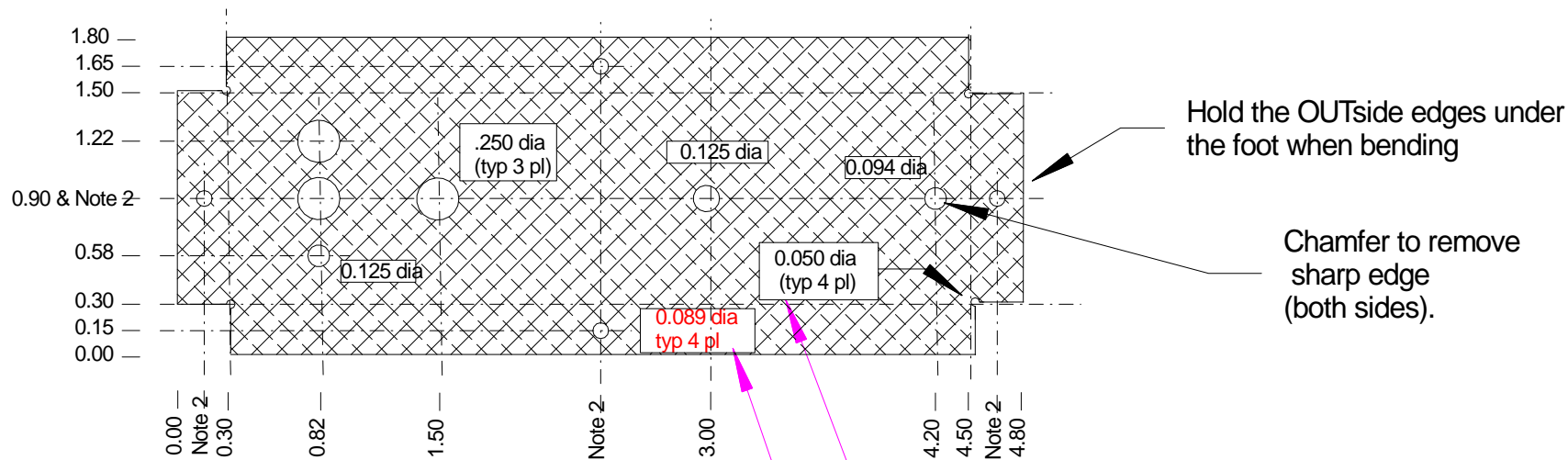


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Drawing
6622-2203
Sheet 1 of 4



NOTES:

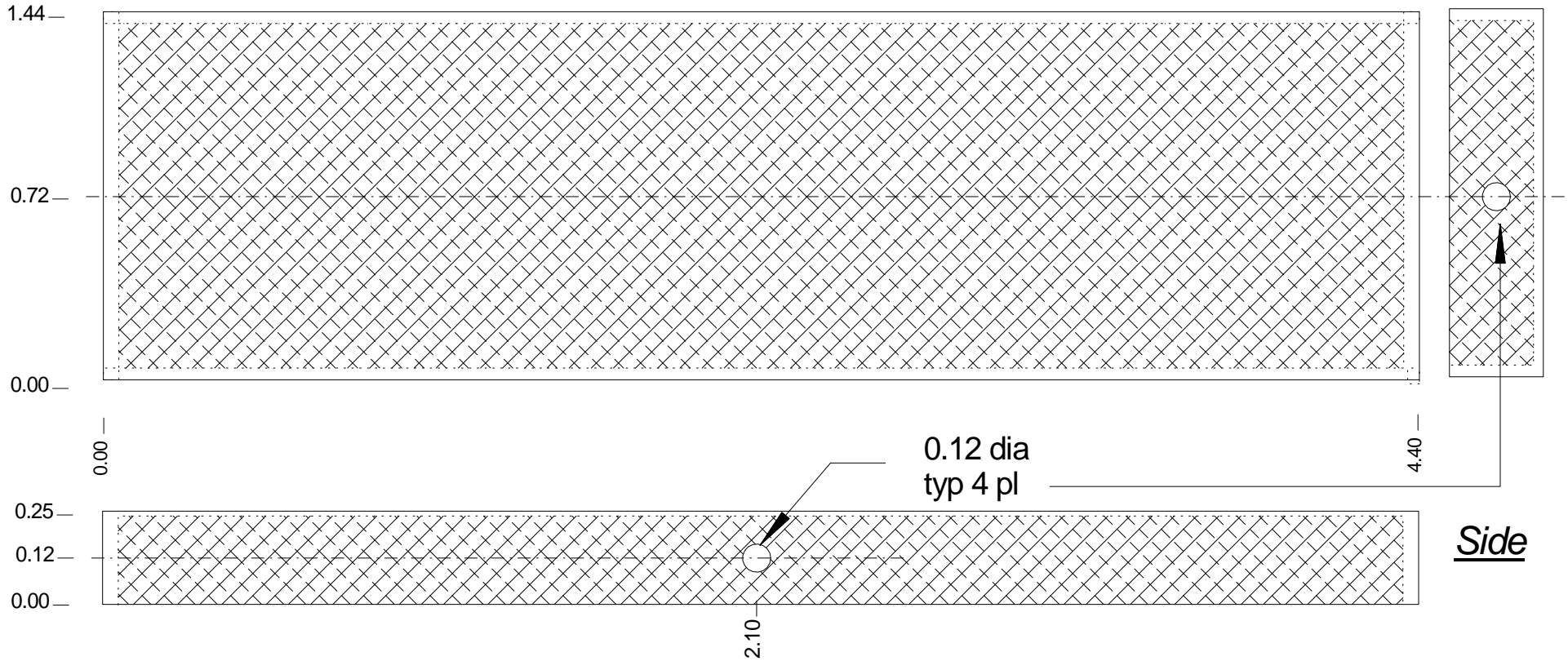
1. Mat'l Al Aly 5052H32 0.050 thk
2. **DO NOT DRILL THESE HOLES NOW.**
Drill 0.089 dia (#43) holes using cover as template.
3. If 0.050 punch is not available, any punch < 0.098 can be used.
4. Rev C: Added notes 3 and 4. Added 0.12 hole at 0.90 x 4.20.
Changed 3 holes 0.187 dia to 0.250 diameter.
5. Rev D: Changed 0.089 dia hole to 0.125 dia 0.82x; 0.58y.

**Voltmeter Calibrator
Chassis Bend Drawing**

Scale: 1:1	Approved by:	Drawn by: OWJ
Date: 14 Mar '19		Rev: D
RST Engineering		Drawing #
13993 Downwind Court 530.272.2203	Grass Valley CA 95945 tech@rst-engr.com	6622-2203 sheet 2 of 4

Top

Front



Notes:

- 1. Mat'l Al Aly 5052H32
- 2. Remove all sharp edges.
- 3. MIL-TDD-41

Multimeter Calibrator
Cover Drawing

Scale: 2:1

Date: 20 Oct '16

Drawn by: OWJ

Rev: A

Approved by:

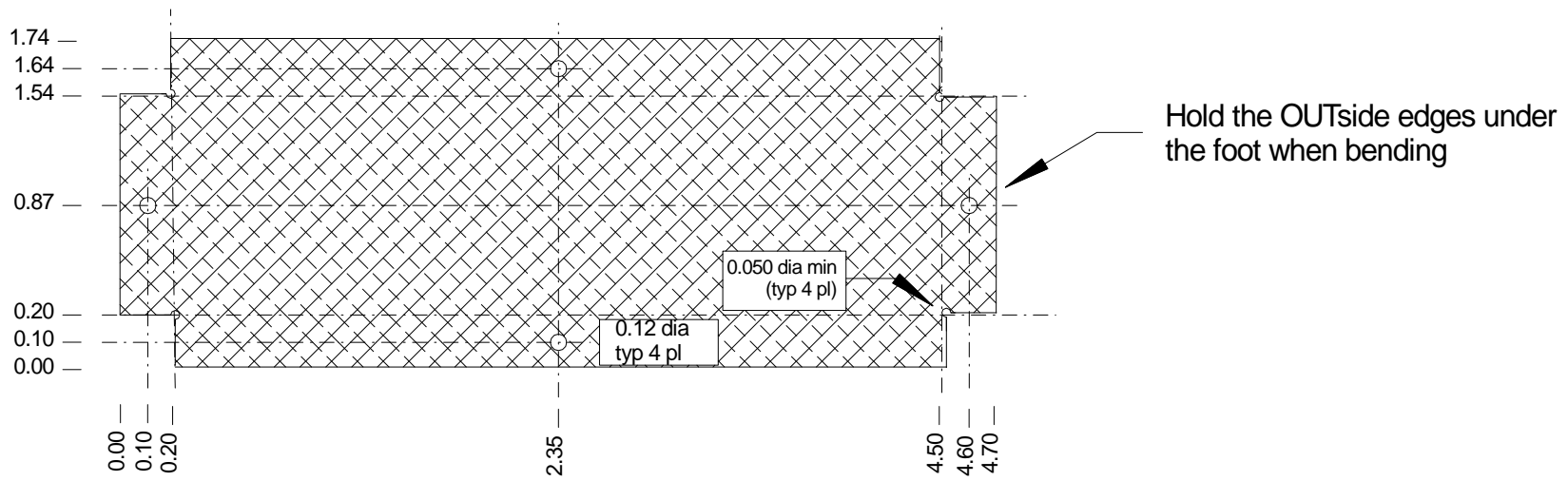


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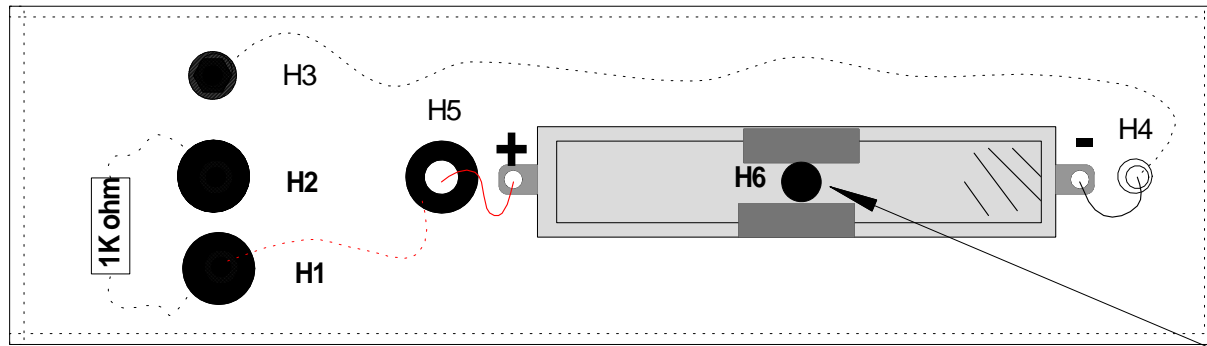
Drawing
6622-2203
Sheet 3 of 4



NOTES:

- 1. Mat'l Al Aly 5052H32 0.050 thk

Voltmeter Calibrator Cover Bend Drawing		
Scale: 1:1	Approved by:	Drawn by: OWJ
Date: 20 Oct '16		Rev: A
RST Engineering 13993 Downwind Court Grass Valley CA 95945 530.272.2203 tech@rst-engr.com		Drawing # 6622-2203 sheet 4 of 4



Pop Rivet Head

Assembly Instructions

1. Position the battery clip halfway between holes H4 and H5. Mark the bottom of the battery clip through hole H6. Drill a 0.125" dia hole through the battery clip at the marked location. Use an 1/8" pop rivet to secure the battery clip to the chassis. Install the pop rivet to secure the battery clip to H6 -- the HEAD of the rivet should be inside of the battery clip. Put the negative end (the end with the spring) nearest H4.
2. Install a rubber grommet into holes H1, H2, and H5.
3. Install a 4-40 x 1/2" machine screw with solder lug through holes H1, H2, and H3. Point the solder lug to the battery holder side of the chassis. On the top of the chassis use a lockwasher and nut to secure the screw.
4. Connect a black wire from the negative terminal of the battery holder to the solder lug at hole H3.
5. Connect a 1k ohm resistor between the solder lug at hole H1 and H2. Solder ONLY the H2 end of the resistor to the solder lug.
6. Connect a red wire from the positive terminal of the battery holder to the solder lug at hole H1. Solder both the wire and the resistor lead to this solder lug.

