



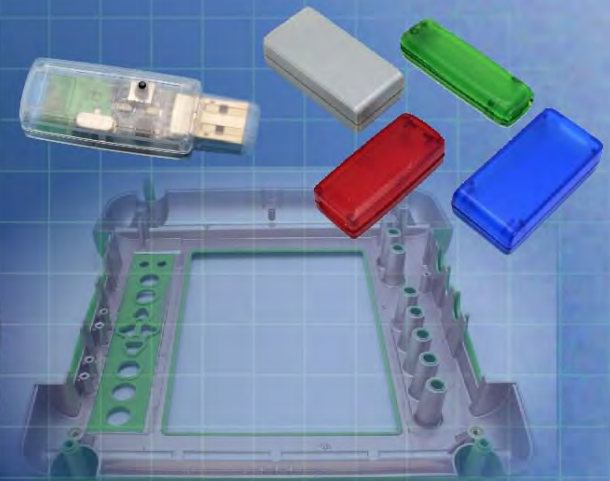
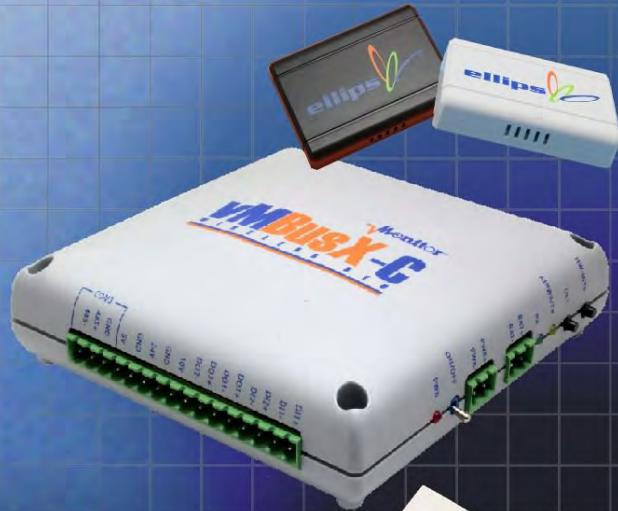




Ordering a market-ready enclosure® is made fast and affordable with our complete in-house capabilities. New Age provides machined openings to fit your PCB, pad printing for your graphics, custom enclosures, custom colors, final assembly, testing and fulfillment services to save you additional time and money. Ask your representative for a free quote today 805-595-1310.

## ***Fast and Affordable Customization***

**CNC Modifications  
Pad Printing  
Colored Resins  
EMI/RF Shielding  
Custom Enclosure  
Assembly & Testing**



ISO quality  
off-the-shelf  
to market-ready®

# **NEW AGE ENCLOSURES**

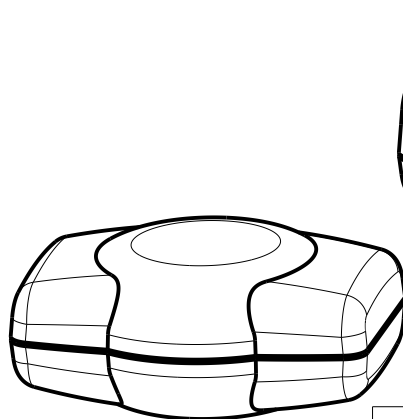
[www.NewAgeEnclosures.com](http://www.NewAgeEnclosures.com)

4330 Santa Fe Road • San Luis Obispo, CA 93401 • T 805.595.1310 • F 805.595.1024

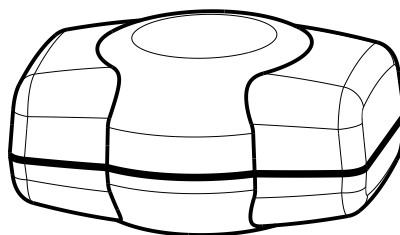
NOTES: UNLESS OTHERWISE SPECIFIED

- CORNERS DRAWN SHARP TO BE R.005 MAXIMUM.
- EXTERIOR SURFACE TEXTURE TO BE LIGHT EDM FINISH. EQUIVELANT TO MT-11010.
- INTERIOR SURFACE TEXTURE TO BE: NONE.
- ALL INSIDE RADII .010R. UNLESS OTHERWISE SPECIFIED.
- ALL EXTERNAL DIMENSIONS AFFECTED BY THE DRAFT APPLY AT THE LARGE END OF THE FEATURE, AND ALL INTERNAL FEATURES AFFECTED BY THE DRAFT APPLY AT THE SMALL END OF THE FEATURE UNLESS OTHERWISE SPECIFIED.
- 1 DEGREE DRAFT IN THE DIRECTION OF PULL IS PERMISSIBLE UNLESS OTHERWISE SPECIFIED.
- THIS ENCLOSURE IS A PRESS FIT ASSEMBLY. FOR PERMANENT CLOSURE: A DROP OF ADHESIVE OR ULTRASONIC WELDING IS REQUIRED.
- MOUNTING SCREWS FOR THE PCB ARE SOLD SEPERATELY.
- MATERIAL / COLOR: ABS PLASTIC IS STANDARD IN BLACK OR WHITE. CUSTOM MATERIALS AND COLORS ARE AVAILABLE UPON REQUEST FOR QUOTE.
- PCB SIZES ARE RECOMMENDATIONS ONLY. FINAL SIZES AND VERIFICATION OF IT'S FIT ARE THE SOLE RESPONSIBILITY OF OEM.
- THIS DRAWING IS BASED ON A SOLID MODEL, AND IS FURTHER DEFINED BY THE SOLID MODEL FILE.
- ALLOWABLE FLASH: 0.010 MAX.
- ALL EJECTOR PIN MARKS TO BE WITHIN 0.010" OF FLUSH, PROTRUDING OR BELOW FLUSH.

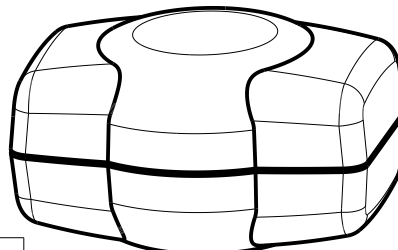
| R E V I S I O N |          |        |                                |           |          |
|-----------------|----------|--------|--------------------------------|-----------|----------|
| REV.            | DRAWN BY | ECO No | DESCRIPTION                    | DATE      | APPROVED |
| A               | M BOYER  | DR XXX | PRELIMINARY RELEASE            | 06-Apr-11 | D.C.     |
| B               | M BOYER  |        | CHANGE TITLE AND PN            | 25-Jan-12 | D.C.     |
| C               | M BOYER  |        | ADD LARGER CONFIGURATION       | 15-Oct-12 | D.C.     |
| D               | M BOYER  |        | REDUCE THE LENGTH OF ASSY POST | 30-Nov-12 | D.C.     |
| E               | M BOYER  |        | UPDATE NAME                    | 25-Jan-13 | D.C.     |
| F               | R CRUZ   |        | UPDATE TO AS BUILT             | 07-Jun-13 | D.C.     |
| 1.0             | R CRUZ   |        | RELEASED                       | 25-Jun-13 |          |
|                 |          |        |                                |           |          |



191508S ASSEMBLY  
- 191508 COVER  
- 191508 BASE  
SCALE 1.000

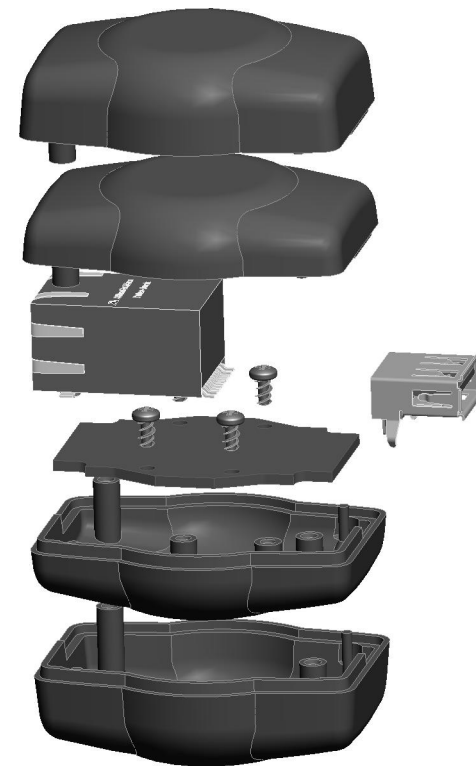


191508M ASSEMBLY  
- 191510 COVER  
- 191508 BASE  
SCALE 1.000



191508T ASSEMBLY  
- 191510 COVER  
- 191510 BASE  
SCALE 1.000

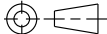
| 191508(x) CONFIGURATIONS |    |    |    |
|--------------------------|----|----|----|
|                          | -S | -M | -T |
| 191508 COVER             | 1  |    |    |
| 191508 BASE              | 1  | 1  |    |
| 191510 COVER             |    | 1  | 1  |
| 191510 BASE              |    |    | 1  |



EXPLODED VIEW  
SCALE 0.900

| 6    | 2-32 ROUND SHANK x .187" SCREW | ZINK PLATED    | MMC 90056A075     | 4    |
|------|--------------------------------|----------------|-------------------|------|
| 5    | TYPE A - FEMALE USB CONNECTOR  | REFERENCE ONLY | CUSTOMER SUPPLIED | 1    |
| 4    | RJ45 FEMALE CONNECTOR          | REFERENCE ONLY | CUSTOMER SUPPLIED | 1    |
| 3    | 190508 PCB - REFERENCE         | .062" THICK    | CUSTOMER SUPPLIED | 2    |
| 2    | 191510 CASE - STANDARD         | ABS            | BLACK or WHITE    | 2    |
| 1    | 191508 CASE - STANDARD         | ABS            | BLACK or WHITE    | 2    |
| ITEM | DESCRIPTION                    | MATERIAL       | COLOR             | QTY. |

# BILL OF MATERIALS

THIRD ANGLE PROJECTION  
  
DO NOT SCALE DRAWING

TOLERANCES: UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN U.S. INCHES.

X.XX = .015 X.XXXX = .001  
X.XXX = .010 X.X" = 1"

NEW AGE ENCLOSURES

Customer's Part No: 191508

APPROVAL BY DATE

CHECK

ENG.

SCALE AS NOTED

DRAWN BY M BOYER

06-Apr-11

**NEW AGE ENCLOSURES**

4330 Santa Fe Road San Luis Obispo, CA. 93401  
ph. (805) 595-1310 fax (805) 595-1024

[www.newageenclosures.com](http://www.newageenclosures.com)

**STANDARD - E.E.HOUSING  
PXX-191508X-XXX**

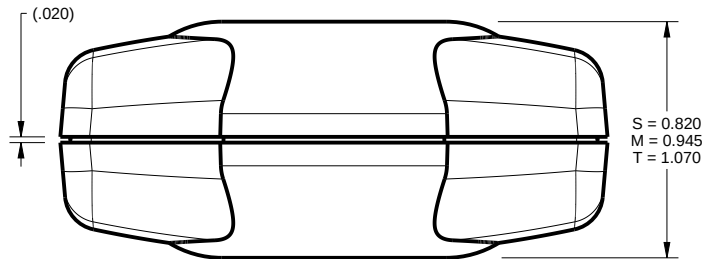
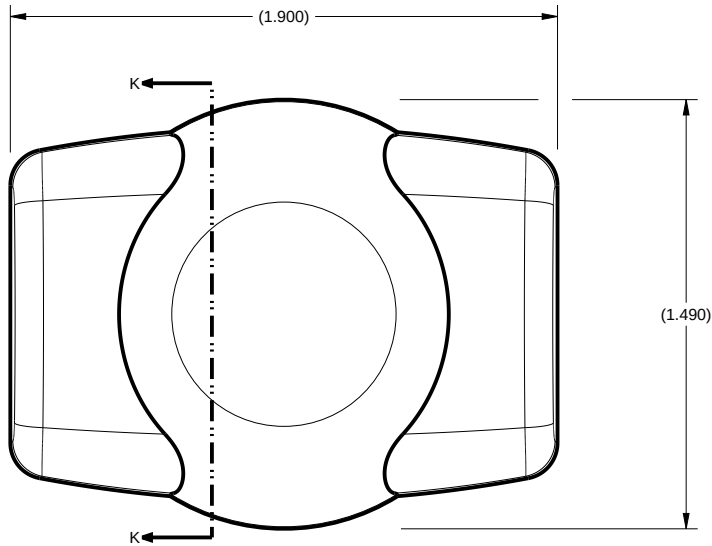
SIZE A

DRAWING NAME  
191508\_R1\_0

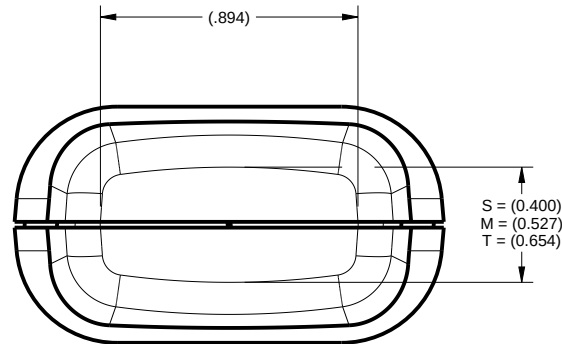
SHEET 1 OF 6

REV.DOC 1.0

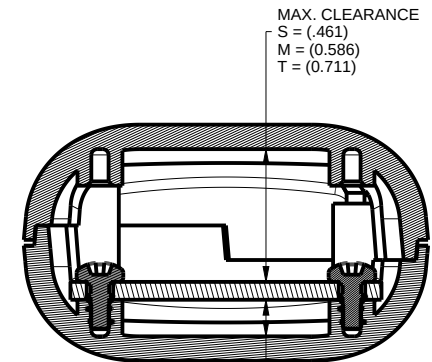
# 191508 ASSEMBLY



SCALE 1.500

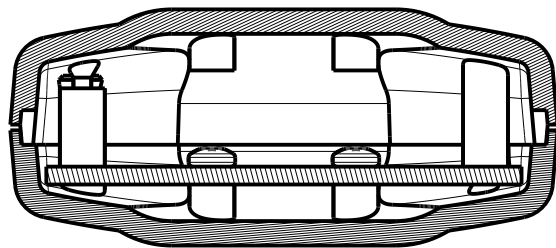


191508S MODELS SHOWN



SECTION K-K

(.127) MAX.  
CLEARANCE FOR  
ALL CONFIGURATIONS.



SECTION Y-Y

TOLERANCES: UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN U.S. INCHES.  
X.XX = .015 X.XXXX = .001  
X.XXX = .010 X.X° = 1°

NEW AGE ENCLOSURES

Customer's Part No: 191508

|          |          |      |
|----------|----------|------|
| APPROVAL | BY       | DATE |
| CHECK    |          |      |
| ENG.     |          |      |
| SCALE    | AS NOTED |      |

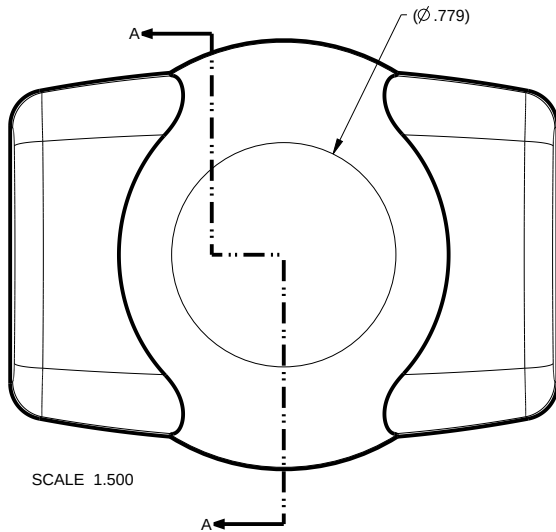
|          |           |
|----------|-----------|
| DRAWN BY | 06-Apr-11 |
| M BOYER  |           |

**NEW AGE ENCLOSURES**  
4330 Santa Fe Road San Luis Obispo, CA. 93401  
ph. (805) 595-1310 fax (805) 595-1024  
[www.newageenclosures.com](http://www.newageenclosures.com)

**STANDARD - E.E.HOUSING**  
**PXX-191508X-XXX**

|      |              |        |         |
|------|--------------|--------|---------|
| SIZE | DRAWING NAME | SHEET  | REV.DOC |
| A    | 191508_R1_0  | 2 OF 6 | 1.0     |

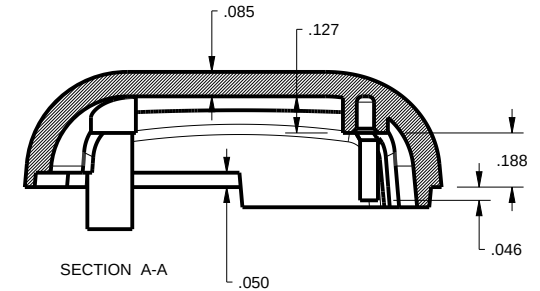
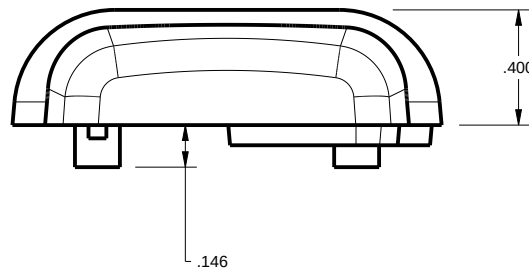
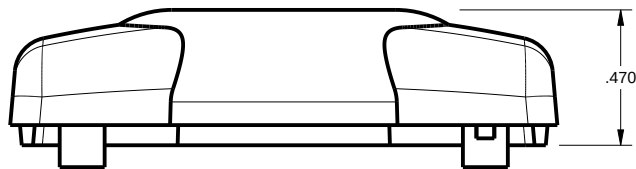
# 191508 COVER / BASE



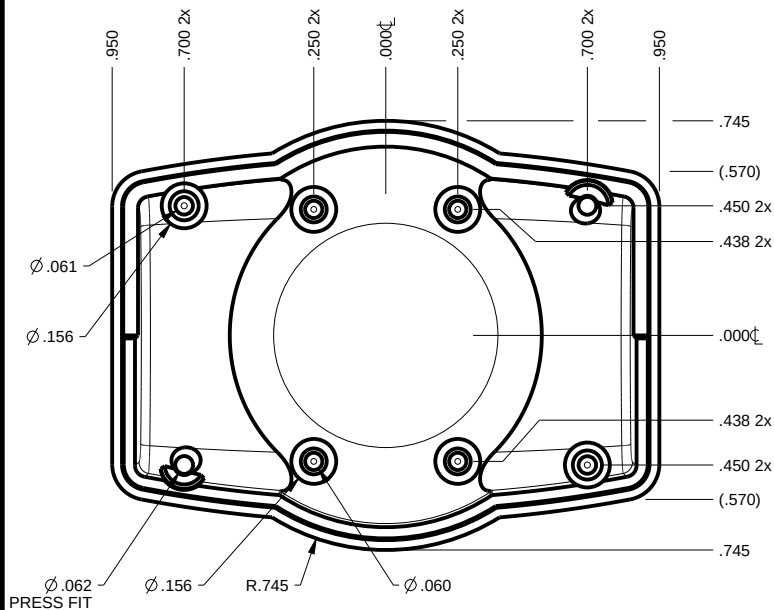
SCALE 1.500



SCALE 1.500



SECTION A-A



$\varnothing .062$   
PRESS FIT

TOLERANCES: UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN U.S. INCHES.  
X.XX = .015 X.XXXX = .001  
X.XXX = .010 X.X" = 1"

NEW AGE ENCLOSURES

Customer's Part No: 191508

|          |          |      |
|----------|----------|------|
| APPROVAL | BY       | DATE |
| CHECK    |          |      |
| ENG.     |          |      |
| SCALE    | AS NOTED |      |

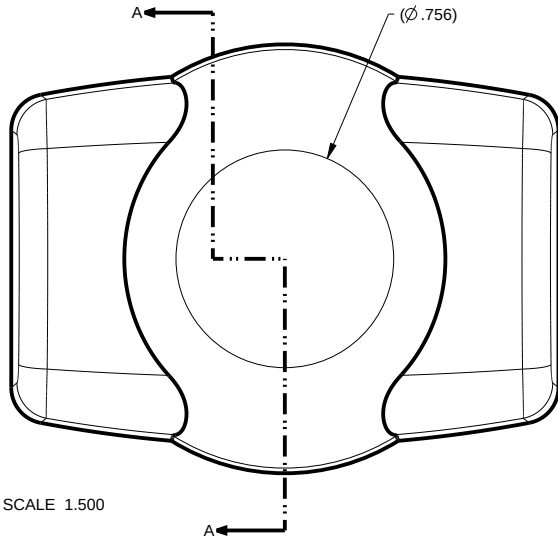
|          |           |
|----------|-----------|
| DRAWN BY | 06-Apr-11 |
| M BOYER  |           |

**NEW AGE ENCLOSURES**  
4330 Santa Fe Road San Luis Obispo, CA. 93401  
ph. (805) 595-1310 fax (805) 595-1024  
[www.newageenclosures.com](http://www.newageenclosures.com)

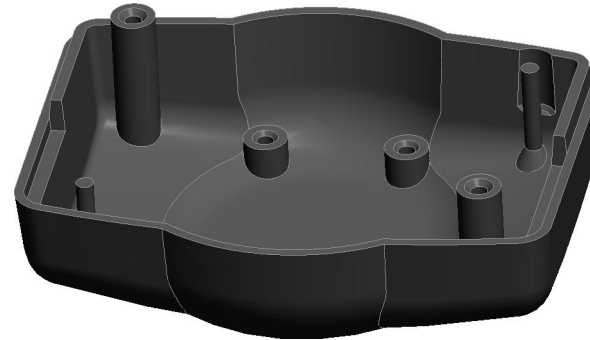
**STANDARD - E.E.HOUSING**  
**PXX-191508X-XXX**

|      |              |        |         |
|------|--------------|--------|---------|
| SIZE | DRAWING NAME | SHEET  | REV.DOC |
| A    | 191508_R1_0  | 3 OF 6 | 1.0     |

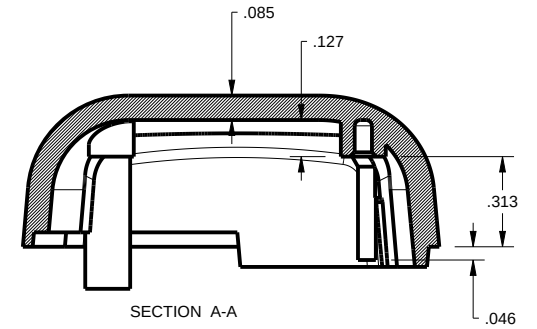
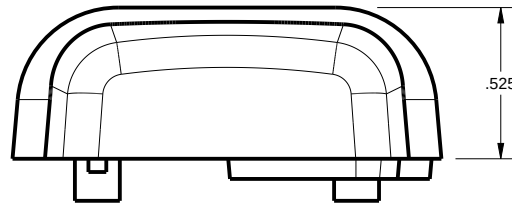
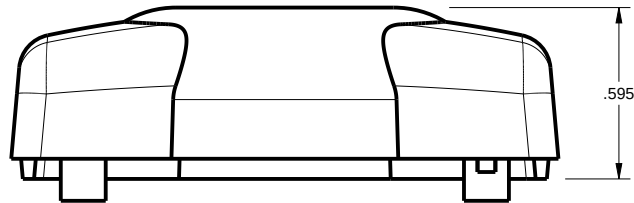
# 191510 COVER / BASE



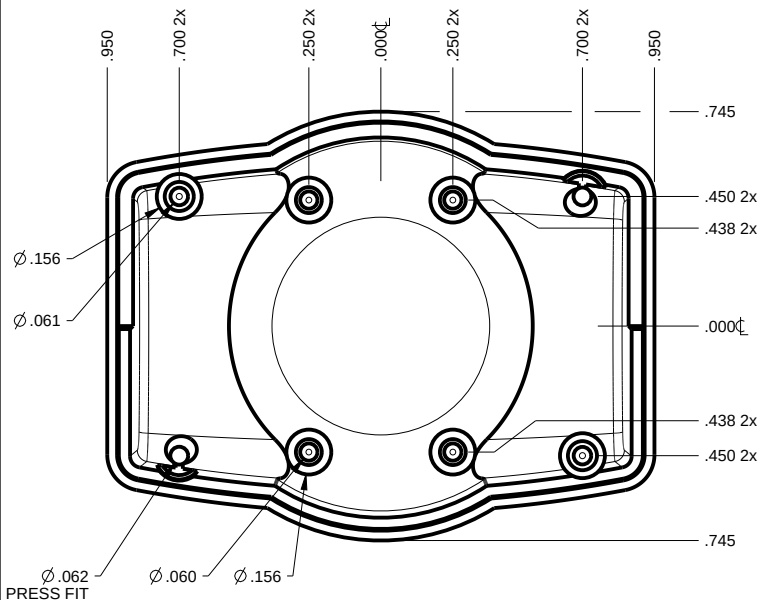
SCALE 1.500



SCALE 1.500



SECTION A-A



TOLERANCES: UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN U.S. INCHES.  
X.XX = .015 X.XXXX = .001  
X.XXX = .010 X.X" = 1"

NEW AGE ENCLOSURES

Customer's Part No: 191508

APPROVAL BY DATE

CHECK

ENG.

SCALE AS NOTED

DRAWN BY M BOYER 06-Apr-11

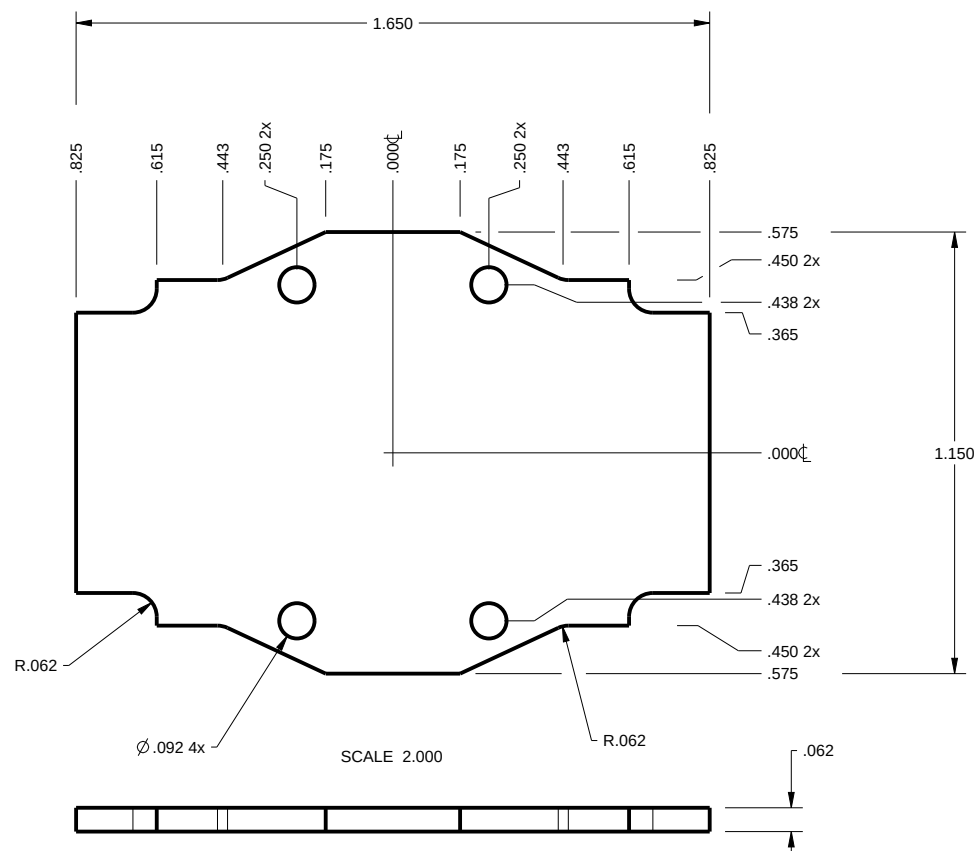
**NEW AGE ENCLOSURES**  
4330 Santa Fe Road San Luis Obispo, CA. 93401  
ph. (805) 595-1310 fax (805) 595-1024  
[www.newageenclosures.com](http://www.newageenclosures.com)

**STANDARD - E.E.HOUSING**  
**PXX-191508X-XXX**

SIZE A DRAWING NAME 191508\_R1\_0

SHEET 4 OF 6 REV.DOC 1.0

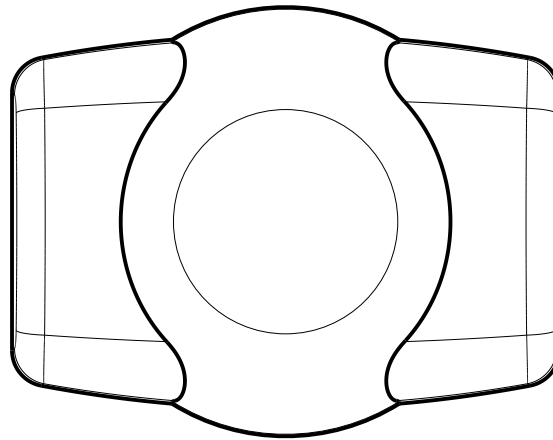
PCB SIZES ARE RECOMMENDATIONS ONLY. FINAL  
SIZES AND VERIFICATION OF IT'S FIT ARE THE  
SOLE RESPONSIBILITY OF THE OEM.



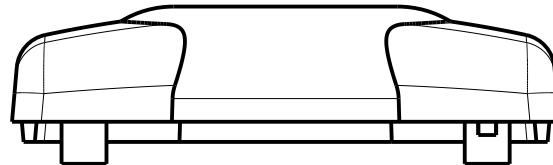
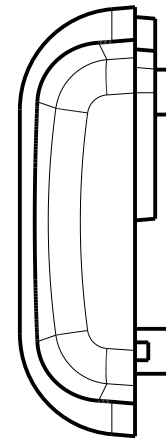
|                                                                                                                                       |            |                                                                                                                                                              |                             |                 |                       |
|---------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------|-----------------------|
| TOLERANCES: UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN U.S. INCHES.<br>X.XX = .015    X.XXXX = .001<br>X.XXX = .010    X.X" = 1" |            | <b>NEW AGE ENCLOSURES</b><br>4330 Santa Fe Road    San Luis Obispo, CA. 93401<br>ph. (805) 595-1310    fax (805) 595-1024<br><i>www.newageenclosures.com</i> |                             |                 |                       |
| NEW AGE ENCLOSURES                                                                                                                    |            | <b>STANDARD - E.E.HOUSING</b><br><b>PXX-191508X-XXX</b>                                                                                                      |                             |                 |                       |
| Customer's Part No:    191508                                                                                                         |            |                                                                                                                                                              |                             |                 |                       |
| APPROVAL                                                                                                                              | BY    DATE |                                                                                                                                                              |                             |                 |                       |
| CHECK                                                                                                                                 |            |                                                                                                                                                              |                             |                 |                       |
| ENG.                                                                                                                                  |            |                                                                                                                                                              |                             |                 |                       |
| SCALE                                                                                                                                 | AS NOTED   |                                                                                                                                                              |                             |                 |                       |
| DRAWN BY<br>M BOYER    06-Apr-11                                                                                                      |            | SIZE<br><b>A</b>                                                                                                                                             | DRAWING NAME<br>191508_R1_0 | SHEET<br>5 OF 6 | REV.DOC<br><b>1.0</b> |

## 2nd OPERATION DETAILS

NEW AGE ENCLOSURES DELIVERS YOUR ENCLOSURE MARKET-READY WITH IN-HOUSE  
CNC MACHINING, PAD PRINTING, ASSEMBLY, AND FULFILLMENT.  
ALL SURFACES AND AREAS ARE AVAILABLE FOR CNC ALTERATION BY NEW AGE ENCLOSURES  
CALL (805) 595-1310 FOR PRICING AND SCHEDULE.  
THE INSIDE RADIUS OF ANY MACHINED FEATURES SHOULD BE NO SMALLER THAN .031"



SCALE 1.500



PXX-191508-XXX COVER - ABS, BLACK

| STEP NO | DESCRIPTION | CUTTER        | FIXTURE | ORIENTATION | PROGRAM |
|---------|-------------|---------------|---------|-------------|---------|
| 1       | CUTOUT      | T2 = .062" EM | -       | SINGLE      | -       |
| 2       | CUTOUT      | T2 = .062" EM | -       | -           | -       |

PXX-191508-XXX COVER - ABS, BLACK

| STEP NO | DESCRIPTION | COLOR | CLICHE DESCRIPTION | CLICHE No. |
|---------|-------------|-------|--------------------|------------|
| 3       | PAD PRINT   |       |                    | CLXXXX     |

TOLERANCES: UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN U.S. INCHES.  
X.XX = .015 X.XXXX = .001  
X.XXX = .010 X.X" = 1"

NEW AGE ENCLOSURES

Customer's Part No: 191508

APPROVAL BY DATE

CHECK ENG.

SCALE AS NOTED

DRAWN BY M BOYER 06-Apr-11

**NEW AGE ENCLOSURES**

4330 Santa Fe Road San Luis Obispo, CA. 93401  
ph. (805) 595-1310 fax (805) 595-1024  
[www.newageenclosures.com](http://www.newageenclosures.com)

STANDARD - E.E.HOUSING  
PXX-191508X-XXX

SIZE A DRAWING NAME 191508\_R1\_0 SHEET 6 OF 6 REV.DOC 1.0

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## New Age Enclosures:

[P1A-191508-S](#) [P3A-191508-S](#) [P3A-191508-T](#) [P1A-191508-T](#) [P3A-191508-M](#) [P1A-191508-M](#)

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А