

| REVISIONS |      |                                               |         |          |
|-----------|------|-----------------------------------------------|---------|----------|
| ZONE      | REV. | DESCRIPTION                                   | DATE    | APPROVED |
|           | 01   | DOCUMENT CONTROL RELEASE                      | 10/8/14 | CS       |
|           | 02   | CHANGE TO ASSEMBLY INSTRUCTIONS, ECO11986     | 3/18/16 | CS       |
|           | 03   | ADD FCC ID TO LABEL NOTE ON BOM, PER ECO12112 | 7/20/16 | CS       |

ASSEMBLY INSTRUCTIONS:

**STEP 1-** PLACE CIRCULAR FOAM TAPE (ITEM 5) ON THE BOTTOM OF THE BASE (ITEM 1) CENTERED ALONG THE WIDTH BUT SPACED APART ALONG THE LENGTH, AS SHOWN.

**STEP 2-**

1. SOLDER CONTACTS (ITEM 10) TO THE BOTTOM PCB (ITEM 7) IN THE ORIENTATION SHOWN USING THE SOLDERING FIXTURE (SEE PAGE 2 FOR ORIENTATION AND INSTRUCTIONS)
2. ATTACH BATTERY (ITEM 4) TO THE BOARD BY INSERTING TABS THROUGH THE SLOTS FROM THE BOTTOM OF THE BOARD, FOLDING TABS ONTO THE SOLDERING PAD, AND SOLDERING IN PLACE. FOAM TAPE (ITEM 4) SHOULD BE ATTACHED TO THE TOP OF THE BATTERY (SEE PAGE 2 FOR BATTERY FOLDING INSTRUCTIONS)
3. STICK COPPER FOIL ANTENNA (ITEM 6) ONTO INSIDE OF THE PLASTIC COVER. PLACE PIECE OF FOAM TAPE OVER LONG END OF COPPER ANTENNA. SOLDER WIRE FROM PAD ON CONTROL BOARD TO COPPER FOIL ANTENNA ON COVER.
4. SNAP THE TWO BOARDS TOGETHER (ITEM 7, ITEM 8) IN THE ORIENTATION SHOWN.
5. SLIP THE BATTERY AND BOARD ASSEMBLY INTO THE BASE SO THAT THE SWEEP FEATURE ON THE CUTBAND CONTACTS SLIDE ALONG THE INSERTED PINS IN THE BASE. THESE SWEEPS SHOULD BE MAKING CONTACT WITH EACH OF THE 4 PINS

**STEP 3-** STICK COPPER FOIL ANTENNA (ITEM 6) ONTO THE INSIDE OF THE PLASTIC COVER, AND PLACE THE COVER (ITEM 2) ON THE ASSEMBLY AND WELD ASSEMBLY TOGETHER.

**STEP 4-** WHEN TRANSMITTER IS SWITCHED ON, PLACE LABEL (ITEM 11) ON THE COVER MAKING SURE TO PRESS DOWN FIRMLY ALL AROUND TO PREVENT ANY LEAKS

**STEP 5-** PLACE APPROPRIATE BARCODE LABEL (ITEM 13) ONTO THE SIDE OF THE TRANSMITTER IN THE LOCATION SHOWN.



| ITEM NO. | DESCRIPTION                     | QTY. |
|----------|---------------------------------|------|
| 1        | PLASTIC BASE                    | 1    |
| 2        | COVER PLASTIC                   | 1    |
| 3        | 3.0V THIN CELL BATTERY          | 1    |
| 4        | FOAM TAPE                       | 1    |
| 5        | CIRCULAR FOAM TAPE              | 1    |
| 6        | COPPER FOIL ANTENNA             | 1    |
| 7        | RTL5 CONTROL BOARD              | 1    |
| 8        | RTL5 UWB BOARD                  | 1    |
| 9        | FLAT FERRITE RM X 2 .42 X .670  | 2    |
| 10       | INNER CUTBAND CONTACT           | 2    |
| 11       | ENVISIONIT LABEL                | 1    |
| 12       | RTL5 ANTENNA POSITIONING CRADLE | 1    |
| 13       | BARCODE LABEL/FCC ID            | 1    |
| 14       | BLACK WIRE                      | 1    |

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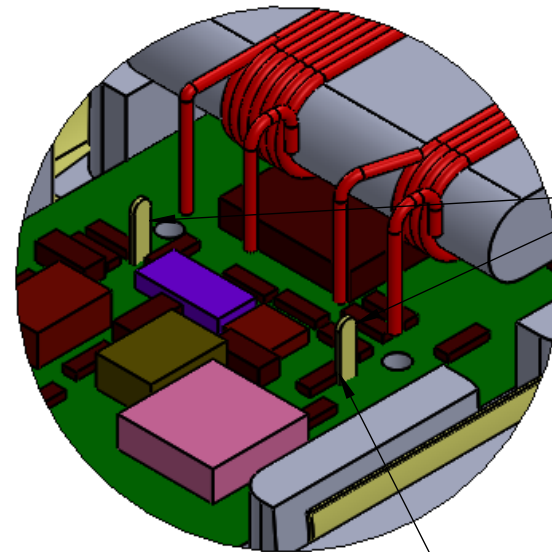
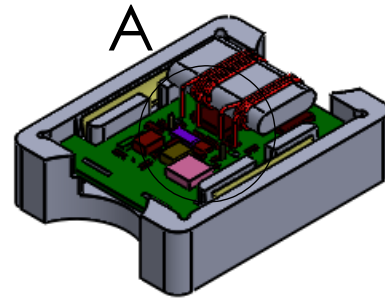
UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
2 PLACE DECIMAL ±.010  
3 PLACE DECIMAL ±.005  
4 PLACE DECIMAL ±.002  
ANGLES = ±0.5°  
DO NOT SCALE DRAWING  
REMOVE ALL BURRS AND SHARP EDGES

MATERIAL  
FINISH  
DO NOT SCALE DRAWING

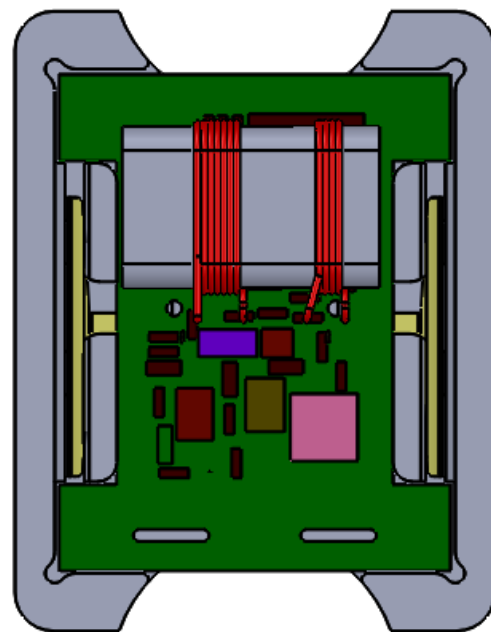
|                        |         |
|------------------------|---------|
| NAME                   | DATE    |
| J.DIXON                | 10/8/14 |
| C.CHEVENS              | 10/8/14 |
| ENG APPR.              |         |
| MFG APPR.              |         |
| Q.A.                   |         |
| COMMENTS:              |         |
| THIRD ANGLE PROJECTION |         |

SECURE CARE PRODUCTS, LLC  
39 CHENELL DR. CONCORD NH 03301  
TITLE: RTL5 CUTBAND TRANSMITTER  
SIZE DWG. NO. REV  
B D20450930 03  
SCALE: 1:1 WEIGHT: SHEET 1 OF 2

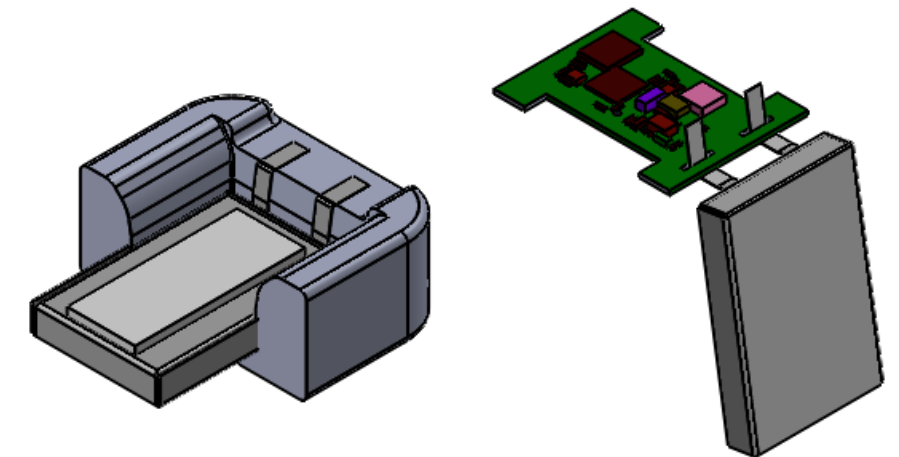
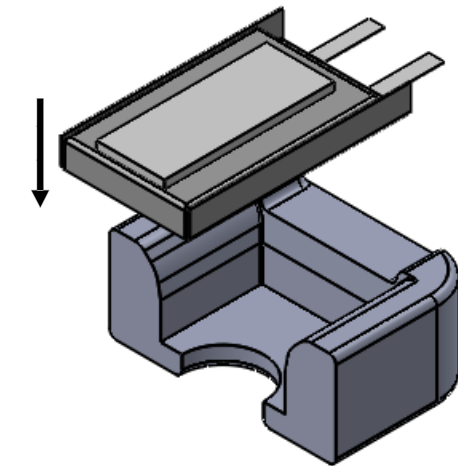
## STEP 2.1



DETAIL A  
SCALE 4 : 1



## STEP 2.2



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|             |  |                                                                                                                                                                                                                                                          |  |                                                                                                                 |  |           |  |                                                                                                                                                           |  |
|-------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|-----------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|             |  | UNLESS OTHERWISE SPECIFIED:                                                                                                                                                                                                                              |  | NAME                                                                                                            |  | DATE      |  |  <b>SECURE CARE PRODUCTS, LLC</b><br>39 CHENELL DR. CONCORD NH 03301 |  |
|             |  | <b>DIMENSIONS ARE IN INCHES</b><br><b>TOLERANCES:</b><br><b>2 PLACE DECIMAL ±.010</b><br><b>3 PLACE DECIMAL ±.005</b><br><b>4 PLACE DECIMAL ±.002</b><br><b>ANGLES = ±0.5°</b><br><b>DO NOT SCALE DRAWING</b><br><b>REMOVE ALL BURRS AND SHARP EDGES</b> |  | DRAWN                                                                                                           |  | J.DIXON   |  | TITLE: <b>RTLS CUTBAND TRANSMITTER</b>                                                                                                                    |  |
|             |  |                                                                                                                                                                                                                                                          |  | CHECKED                                                                                                         |  | C.STEVENS |  |                                                                                                                                                           |  |
|             |  |                                                                                                                                                                                                                                                          |  | ENG APPR.                                                                                                       |  |           |  |                                                                                                                                                           |  |
|             |  |                                                                                                                                                                                                                                                          |  | MFG APPR.                                                                                                       |  |           |  |                                                                                                                                                           |  |
|             |  |                                                                                                                                                                                                                                                          |  | Q.A.                                                                                                            |  |           |  |                                                                                                                                                           |  |
|             |  |                                                                                                                                                                                                                                                          |  | COMMENTS:                                                                                                       |  |           |  |                                                                                                                                                           |  |
|             |  | MATERIAL                                                                                                                                                                                                                                                 |  | THIRD ANGLE PROJECTION<br> |  |           |  |                                                                                                                                                           |  |
|             |  | FINISH                                                                                                                                                                                                                                                   |  |                                                                                                                 |  |           |  |                                                                                                                                                           |  |
| NEXT ASSY   |  | USED ON                                                                                                                                                                                                                                                  |  |                                                                                                                 |  |           |  |                                                                                                                                                           |  |
| APPLICATION |  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                     |  | SCALE: 1:1                                                                                                      |  | WEIGHT:   |  | SHEET 2 OF 2                                                                                                                                              |  |