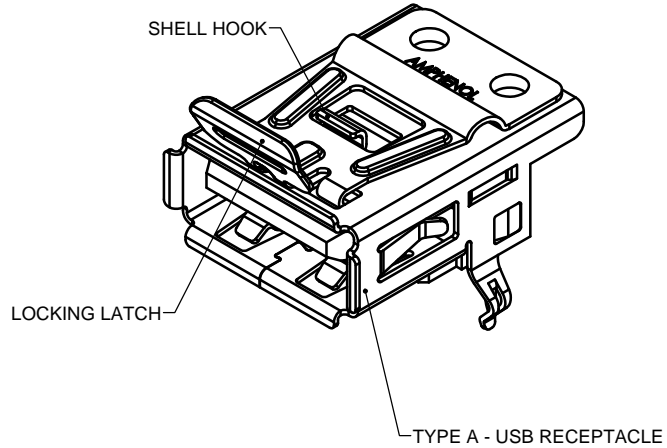
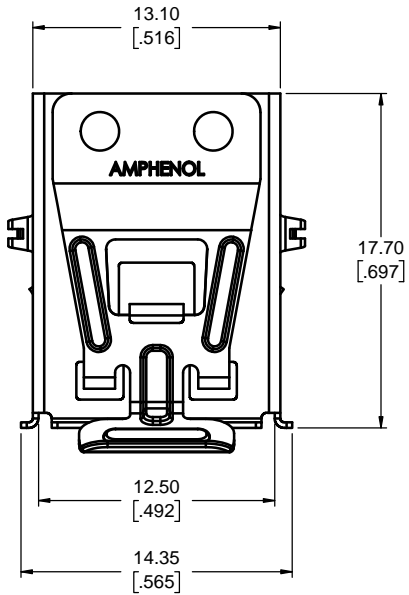


## Amphenol Canada Corp - Product Change Notice (PCN)

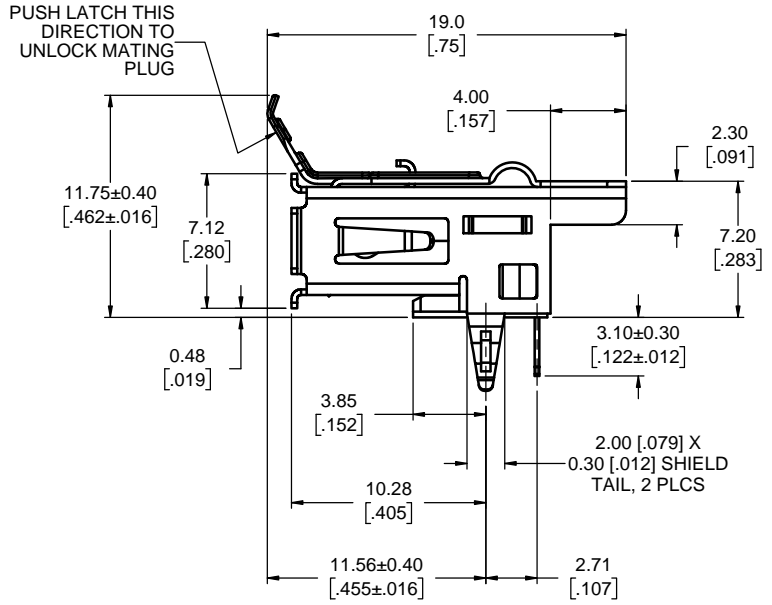
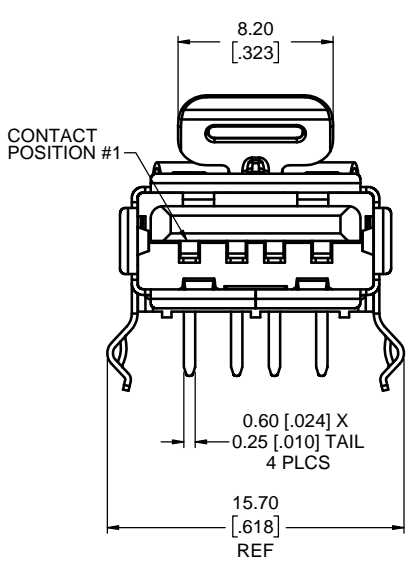
|  |   |
|--|---|
| PCN Date   | February 27, 2018   |
| Supplier Name:   | Amphenol Canada Corp.   |
| Amphenol Canada PCN Number   | PCN-C1347   |
| Description of Change  | Addition of top hook to USB shell   |
| Reason for Change  | To prevent over bending of top latch during USB plug removal  |
| Summary of changes between new and old part                            | New shell, housing and contacts sub-assembly incorporated into the design. Design changes are summarized on attached drawing P-2712CF,  |
| Traceability guidelines (lot code / date code, markings, ship date...) | Date code - current estimate is that parts with date code 1818 and higher will be with the new design - this will be a running change based on old design inventory levels and the change is estimated for May 1, 2018. |
| Last Time Buy Date   | Not applicable  |
| Datasheet attached? & Filename(s)                                      | See drawings P-LUSB-A111-00, Rev F and P-2712CF, Rev A  |
| Qual Test data attached? & Filename(s)                                 | Not applicable  |

| Customer Part Number | Amphenol Old Part Number | Amphenol New Part Number | PCN Effectivity Date   | Samples Availability Date          | Last Time Buy Date | Expected Supplier Qual Date |
|----------------------|--------------------------|--------------------------|------------------------|------------------------------------|--------------------|-----------------------------|
|                      | LUSB-A111-00             | No Change                | 01-May-18<br>Estimated | 27-Feb-18<br>for updated<br>design |                    |                             |
|                      |                          |                          |                        |                                    |                    |                             |
|                      |                          |                          |                        |                                    |                    |                             |
|                      |                          |                          |                        |                                    |                    |                             |
|                      |                          |                          |                        |                                    |                    |                             |

| REVISIONS |                             |          |       |
|-----------|-----------------------------|----------|-------|
| REV       | DESCRIPTION, ECN, EAR NO.   | DATE     | APP'D |
| E         | PRODUCT DRAWING (EAR 14417) | NOV24/16 | K.L.  |
| F         | PRODUCT DRAWING (EAR 14642) | FEB27/18 | K.L.  |



| USB 2.0 STANDARD-A CONNECTOR PIN ASSIGNMENTS |             |                           |
|--|-------------|---------------------------|
| PIN NUMBER                                   | SIGNAL NAME | DESCRIPTION               |
| 1  | VBUS        | POWER                     |
| 2  | D-          | USB 2.0 DIFFERENTIAL PAIR |
| 3  | D+          |                           |
| 4  | GND         | GROUND FOR POWER RETURN   |
| SHELL  | Shield      | CONNECTOR METAL SHELL     |



**NOTES:**

- MATERIAL:
  - SHELL: NICKEL PLATED COPPER ALLOY
  - HOUSING: HIGH TEMPERATURE THERMOPLASTIC UL94V-0, COLOR - BLACK
  - CONTACTS: PHOSPHOR BRONZE, PLATED WITH 0.76µm (30µ") GOLD OVER NICKEL ON MATING AREA & MATTE TIN ON SOLDER TAILS
  - LOCKING LATCH: STAINLESS STEEL
- FEATURE: POSITIVE LOCK ON TYPE A, USB RIGHT ANGLE RECEPTACLE, WORKS WITH ANY STANDARD USB 2.0 TYPE A PLUG
- LOCKING RETENTION FORCE: 50 N (11.2 Lbf) MINIMUM
- OPERATING TEMPERATURE: -40°C TO +85°C.
- CURRENT RATING: 1.5 AMPERES
- ALL MATERIALS USED FOR CONNECTOR AND PACKAGING ARE RoHS COMPLIANT PER EU DIRECTIVE 2011/65/EU AND AMENDMENTS.

**AMPHENOL PART NUMBER: LUSB-A111-00**

|                            |                         |                      |
|----------------------------|-------------------------|----------------------|
| UNLESS SPECIFIED OTHERWISE | DRAWN LAWRENCE KIM      | OCT19/07             |
| PRIMARY UNITS MILLIMETERS  | CHECKED LAWRENCE KIM    | OCT19/07             |
| SECONDARY INCHES           | M.E. APP'D              |                      |
| REFERENCE IN PARENTHESES   | Q.A. APP'D              |                      |
| GENERAL TOLERANCES         | DWG APPR.               |                      |
| 1 DECIMAL PLACE ±0.4       | ENG. REL. NO. EAR 14211 |                      |
| 2 DECIMAL PLACES ±0.25     | REF.                    |                      |
| 3 DECIMAL PLACES           | THIRD ANGLE PROJECTION  | DO NOT SCALE DRAWING |
| ANGULAR DEGREES            |                         |                      |

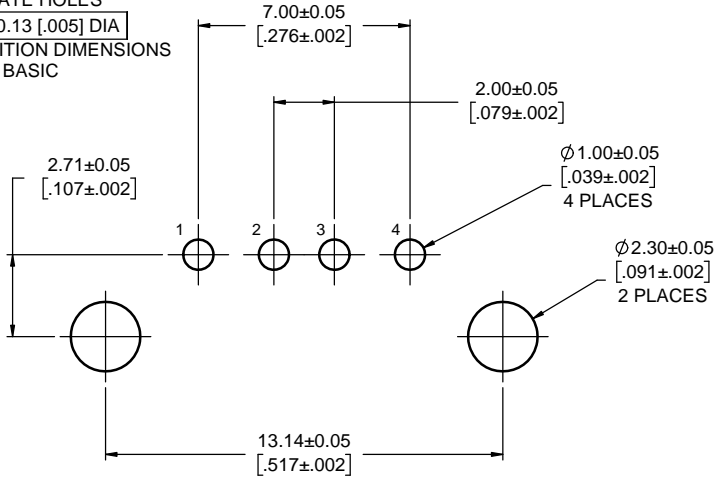
**Amphenol Canada Corp.**  
www.amphenolcanada.com  
**LUSB SERIES, USB 2.0 TYPE A RECEPTACLE WITH POSITIVE LOCKING LATCH, RIGHT ANGLE PCB TAIL, RoHS COMPLIANT**

**P-LUSB-A111-00**

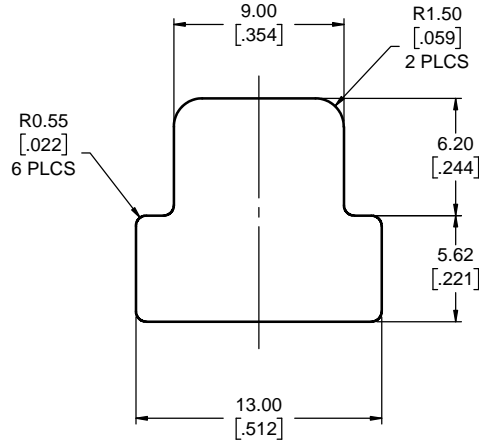
CODE ID NO. 03554 DWG SIZE: X SCALE: 4:1 SHEET 1 OF 2

| REVISIONS |                             |          |       |
|-----------|-----------------------------|----------|-------|
| REV       | DESCRIPTION, ECN, EAR NO.   | DATE     | APP'D |
| E         | PRODUCT DRAWING (EAR 14417) | NOV24/16 | K.L.  |
| F         | PRODUCT DRAWING (EAR 14642) | FEB27/18 | K.L.  |

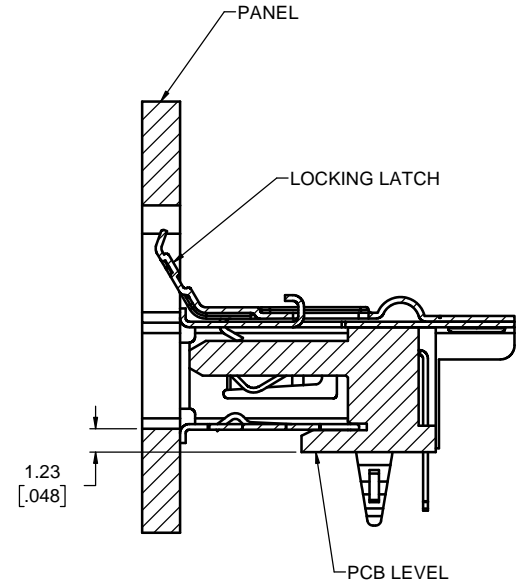
LOCATE HOLES  
 $\varnothing 0.13$  [.005] DIA  
 POSITION DIMENSIONS  
 ARE BASIC



**RECOMMENDED PCB LAYOUT**  
 COMPONENT SIDE OF BOARD



**RECOMMENDED PANEL CUTOUT**  
 OUTSIDE VIEW OF PANEL



**SECTION THROUGH PANEL CUTOUT**



|                             |                        |           |
|-----------------------------|------------------------|-----------|
| UNLESS SPECIFIED OTHERWISE  | DRAWN LAWRENCE KIM     | OCT19/07  |
| PRIMARY UNITS MILLIMETERS   | CHECKED LAWRENCE KIM   | OCT19/07  |
| SECONDARY INCHES            | M.E. APP'D             |           |
| REFERENCE IN PARENTHESES    | Q.A. APP'D             |           |
| GENERAL TOLERANCES          | DWG APPR.              |           |
| 1 DECIMAL PLACE $\pm 0.4$   | ENG. REL. NO.          | EAR 14211 |
| 2 DECIMAL PLACES $\pm 0.25$ | REF.                   |           |
| 3 DECIMAL PLACES            | THIRD ANGLE PROJECTION |           |
| ANGULAR DEGREES             | DO NOT SCALE DRAWING   |           |

**Amphenol Canada Corp.**  
[www.amphenolcanada.com](http://www.amphenolcanada.com)  
 USB SERIES, USB 2.0 TYPE A  
 RECEPTACLE WITH POSITIVE  
 LOCKING LATCH, RIGHT ANGLE  
 PCB TAIL, RoHS COMPLIANT

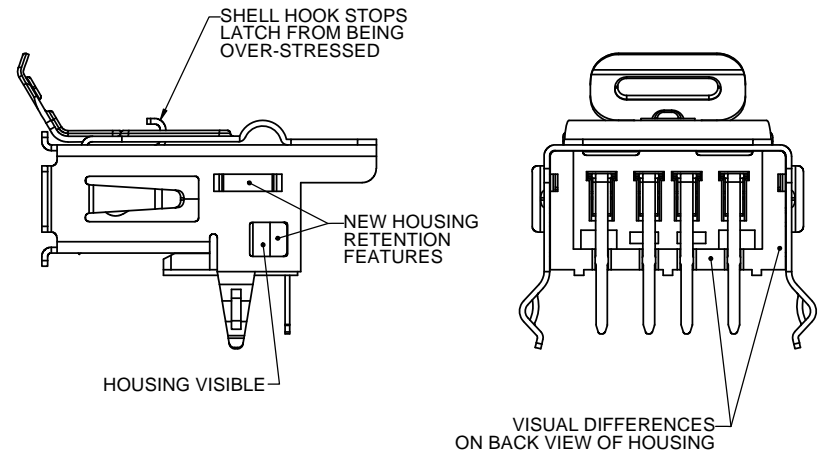
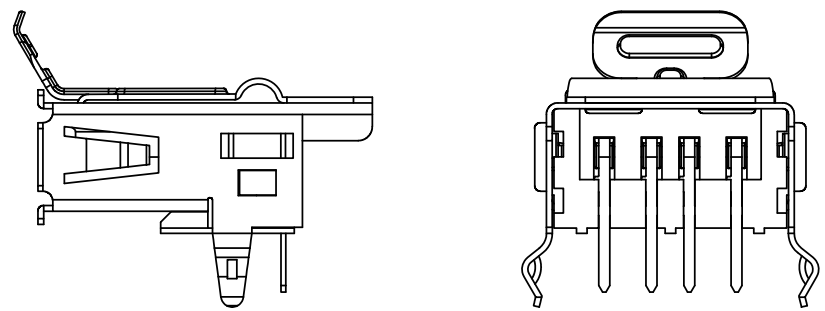
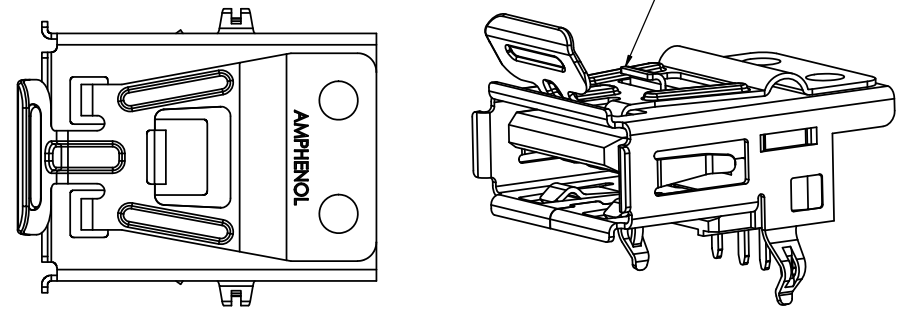
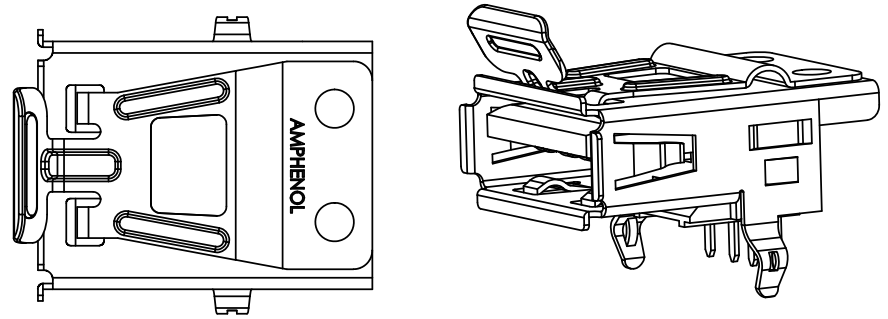
DWG. NO. **P-USB-A111-00** REV **F**

CODE ID NO. 03554 DWG SIZE: X SCALE: 5:1 SHEET 2 OF 2

| REVISIONS |                           |          |       |
|-----------|---------------------------|----------|-------|
| REV       | DESCRIPTION, ECN, EAR NO. | DATE     | APP'D |
| A         | PRODUCT INFORMATION       | FEB27/18 | K.L.  |

**CURRENT DESIGN**

**NEW DESIGN**



|                            |                        |           |          |
|----------------------------|------------------------|-----------|----------|
| UNLESS SPECIFIED OTHERWISE | DRAWN                  | B.COPPING | FEB27/18 |
| PRIMARY UNITS MILLIMETERS  | CHECKED                | K.LAMBIE  | FEB27/18 |
| SECONDARY INCHES           | M.E. APP'D             |           |          |
| REFERENCE IN PARENTHESES   | Q.A. APP'D             |           |          |
| GENERAL TOLERANCES         | DWG APPR.              |           |          |
| 1 DECIMAL PLACE            | ENG. REL. NO.          |           |          |
| 2 DECIMAL PLACES           | REF.                   |           |          |
| 3 DECIMAL PLACES           | THIRD ANGLE PROJECTION |           |          |
| ANGULAR DEGREES            | DO NOT SCALE DRAWING   |           |          |

|   |   |
|---|---|
| <b>Amphenol Canada Corp.</b><br>www.amphenolcanada.com            |   |
| LUSB TYPE A RIGHT ANGLE RECEPTACLE, DESIGN CHANGES, RE: PCN-C1347 |   |
| DWG. NO.  | REV A                                   |
| P-2712CF  |   |
| CODE ID NO. 03554   | DWG SIZE: X   SCALE: 5:1   SHEET 1 OF 1 |

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