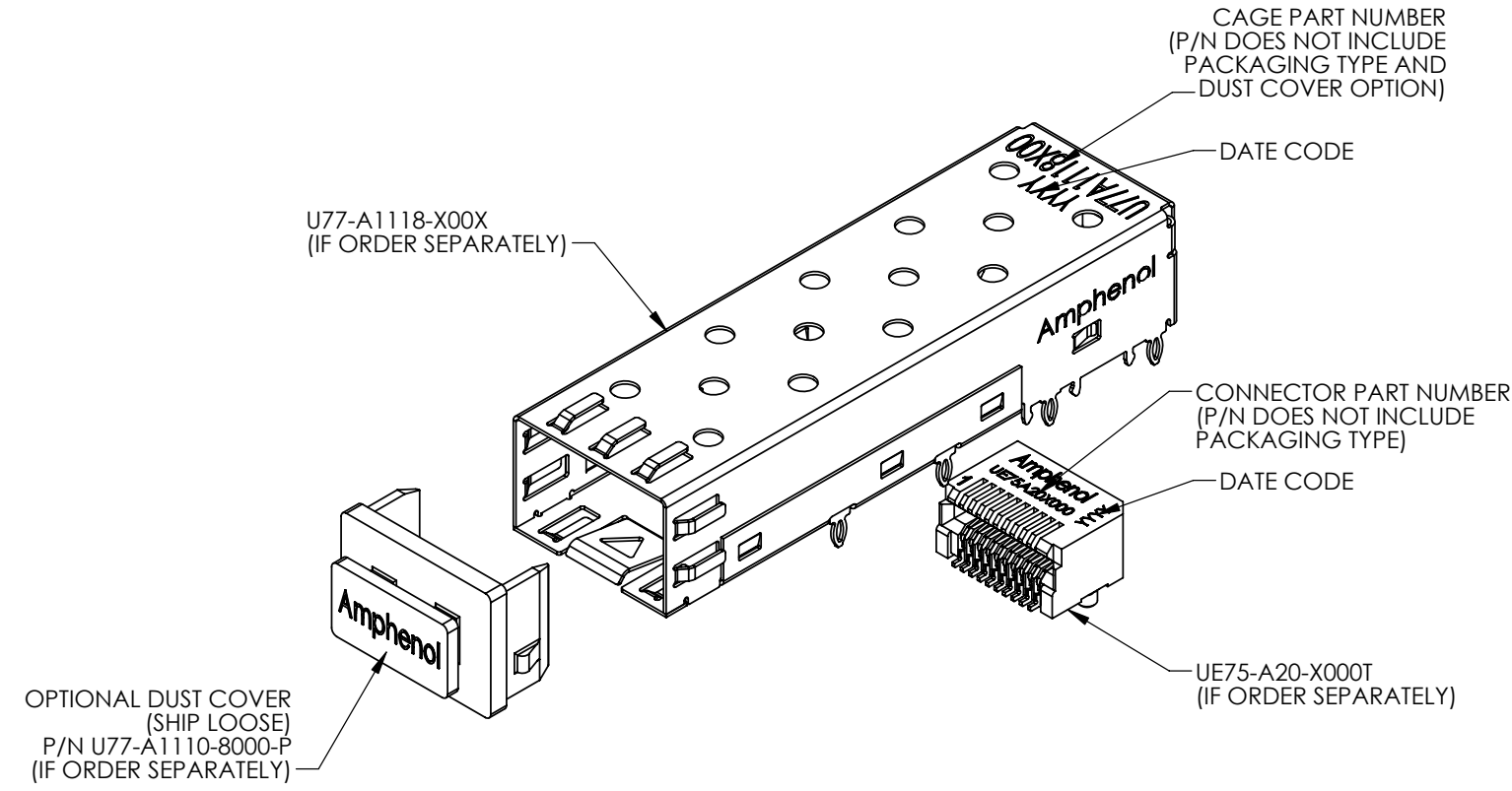


| REVISIONS |         |                  |            |          |
|-----------|---------|------------------|------------|----------|
| REV.      | ECN/E-R | DESCRIPTION      | DATE       | APPROVED |
| B         |         | CUSTOMER DRAWING | 2006/04/05 | J.SI     |
| C         |         | UPDATED          | 2006/08/09 |          |
| D         |         | UPDATED          | 2007/01/02 |          |



**MATERIAL (RoHS COMPLIANCE):**

**CAGE:**  
 COPPER ALLOY  
 PLATING OPTION 1: 100µ" [2.54 µm] TIN PLATING OVER 50 µ" (1.27 µm) NICKEL UNDER PLATING.  
 PLATING OPTION 2: 100µ" [2.54 µm] NICKEL PLATING (NOT FOR SOLDER PINS).  
**DUST COVER**  
 THERMOPLASTIC, COLOR BLACK.  
**PACKAGING:**  
 TAPE AND REEL OR TRAY PACKAGING.  
 TEMPERATURE RANGE: -40 °C TO +85 °C

**CONNECTOR:**

**PLASTIC HOUSING:**  
 HIGH TEMPERATURE RESISTANT NYLON FLAMMABILITY RATING UL94V-0.  
**CONTACTS:**  
 PHOSPHOR BRONZE  
 PLATING OPTION 2: 30µ" [0.76 µm] GOLD ON MATING AREA AND 2 µ" (0.05 µm) GOLD FLASH PLATING ON TERMINATION OVER 50µ" [1.27µm] NICKEL UNDER LAYER.  
 PLATING OPTION 3: 30µ" [0.76 µm] GOLD ON MATING AREA AND 150-300 µ" (3.81-7.62 µm) LOW WHISKER MATTE TIN PLATING ON TERMINATION OVER 50µ" [1.27 µm] NICKEL UNDER LAYER.  
 PLATING OPTION 5: 15µ" GOLD PLATING ON MATING AREA GOLD FLASH ON TERMINATION  
 PLATING OPTION 6: 15µ" GOLD PLATING ON MATING AREA 150-300µ" (3.81-7.62 µm) MATTE TIN ON TERMINATION  
**PACKAGING:**  
 TAPE AND REEL.  
 TEMPERATURE RANGE: -40 °C TO +85 °C

**AMPHENOL PART NUMBER CONFIGURATION:**

**UE78 - A 1 1 1 8 - 0 X X X X**

**OPTIONAL DUST COVER**  
 0 - WITHOUT DUST COVER  
 D - WITH DUST COVER (SHIP LOOSE)

**PLATING OPTIONS FOR CONNECTOR**  
 2 - 30µ" GOLD PLATING ON MATING AREA  
 GOLD FLASH ON TERMINATION  
 3 - 30µ" GOLD PLATING ON MATING AREA  
 150-300µ" MATTE TIN ON TERMINATION  
 5 - 15µ" GOLD PLATING ON MATING AREA  
 GOLD FLASH ON TERMINATION  
 6 - 15µ" GOLD PLATING ON MATING AREA  
 150-300µ" MATTE TIN ON TERMINATION

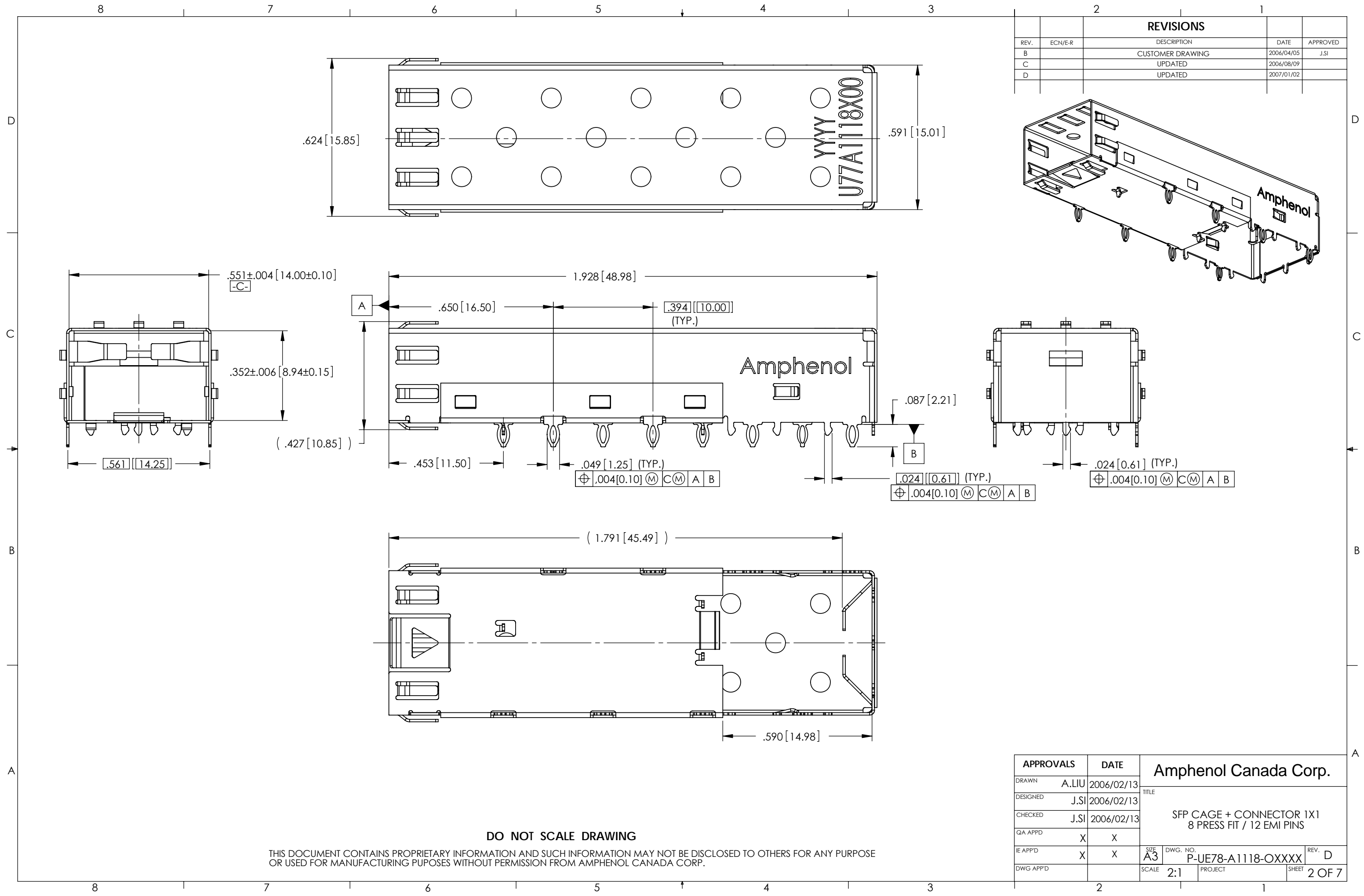
**PACKAGING OPTIONS**  
 T - TAPE AND REEL PACKAGING  
 FOR BOTH CONNECTORS AND  
 CAGES  
 H - TAPE AND REEL FOR  
 CONNECTORS TRAY FOR  
 CAGES

**PLATING OPTIONS FOR CAGE**  
 1 - TIN  
 2 - NICKEL

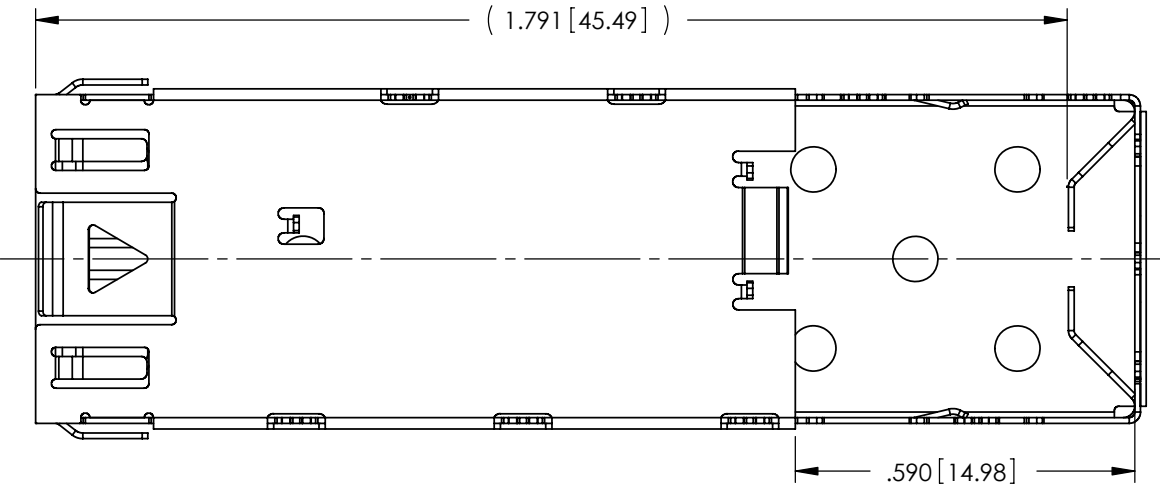
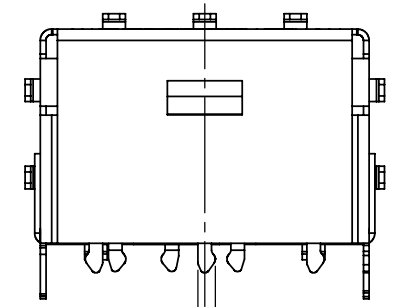
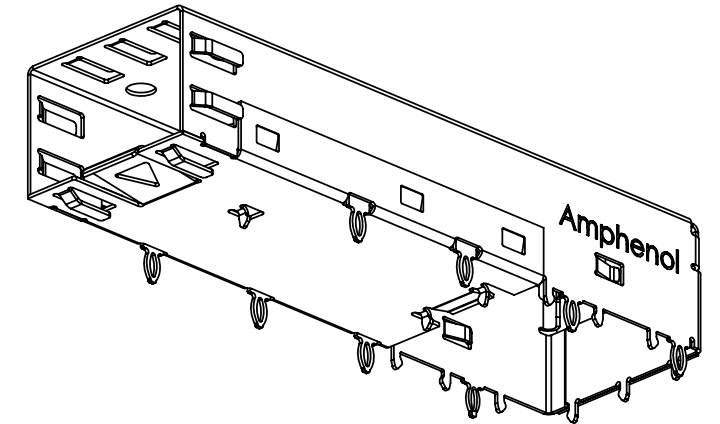
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|                  |       |             |  |                                |                 |
|------------------|-------|-------------|--|--------------------------------|-----------------|
| <b>APPROVALS</b> |       | <b>DATE</b> | <b>Amphenol Canada Corp.</b>                                   |                                |                 |
| DRAWN            | A.LIU | 2006/02/13  |  |                                |                 |
| DESIGNED         | J.SI  | 2006/02/13  | TITLE<br>SFP CAGE + CONNECTOR 1X1<br>8 PRESS FIT / 12 EMI PINS |                                |                 |
| CHECKED          | J.SI  | 2006/02/13  |  |                                |                 |
| QA APPD          | X     | X           |  |                                |                 |
| IE APPD          | X     | X           | SIZE<br>A3   | DWG. NO.<br>P-UE78-A1118-0XXXX | REV.<br>D       |
| DWG APPD         |       |             | SCALE<br>2:1   | PROJECT                        | SHEET<br>1 OF 7 |



| REVISIONS |         |                  |            |          |
|-----------|---------|------------------|------------|----------|
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| B         |         | CUSTOMER DRAWING | 2006/04/05 | J.SI     |
| C         |         | UPDATED          | 2006/08/09 |          |
| D         |         | UPDATED          | 2007/01/02 |          |

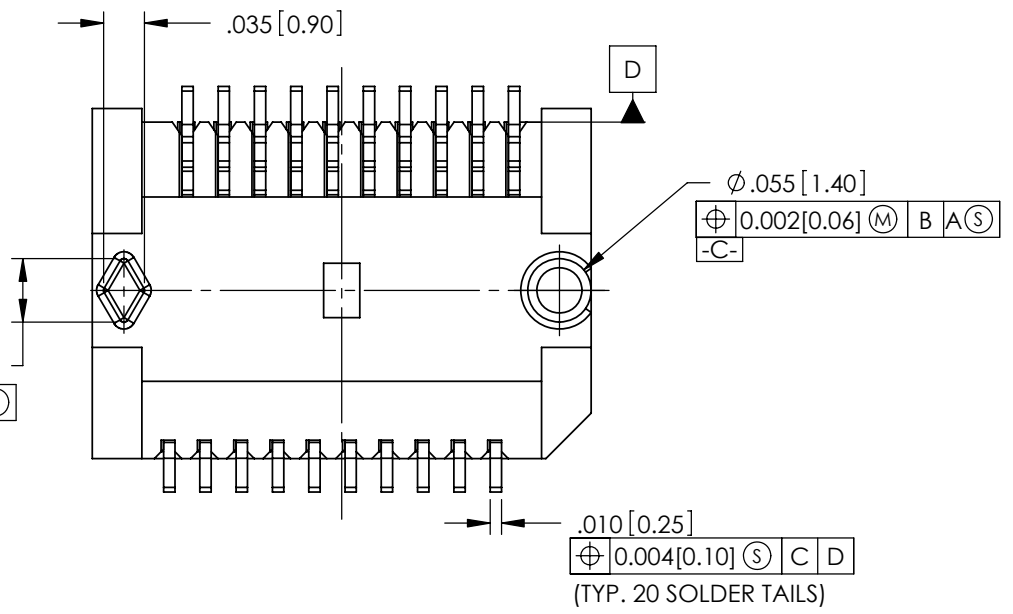
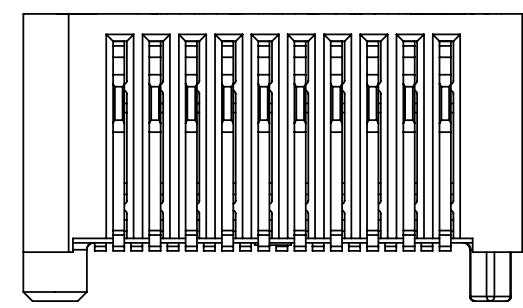
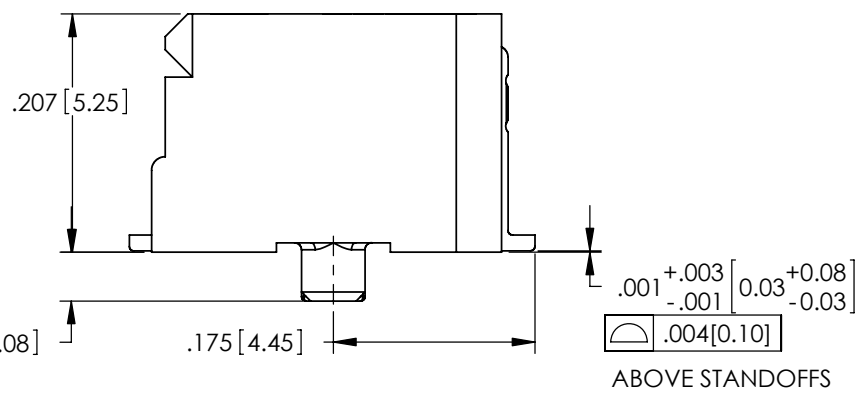
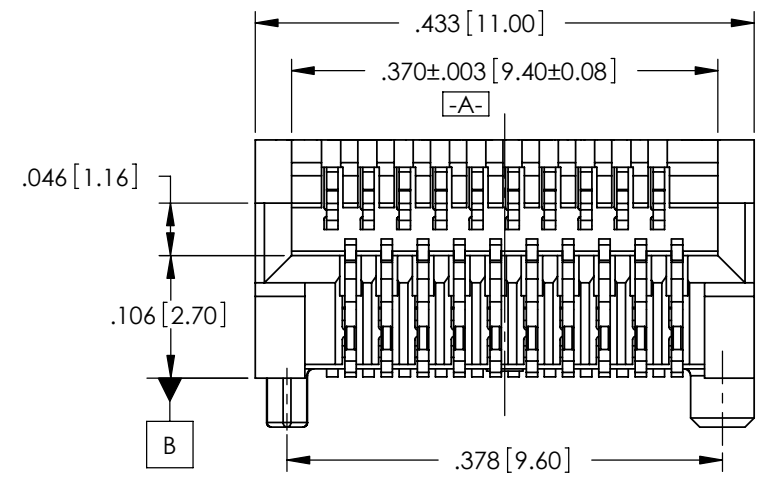
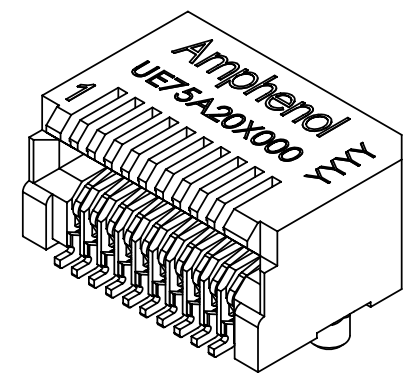
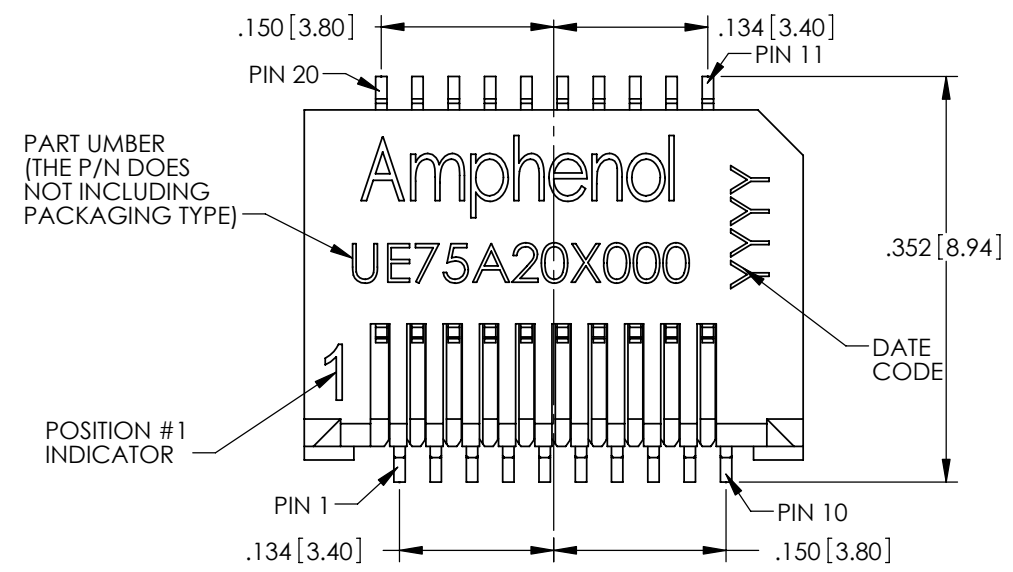


| APPROVALS |       | DATE       | Amphenol Canada Corp.                                 |                    |        |
|-----------|-------|------------|---|--------------------|--------|
| DRAWN     | A.LIU | 2006/02/13 | TITLE   |                    |        |
| DESIGNED  | J.SI  | 2006/02/13 | SFP CAGE + CONNECTOR 1X1<br>8 PRESS FIT / 12 EMI PINS |                    |        |
| CHECKED   | J.SI  | 2006/02/13 | REV. D  |                    |        |
| QA APPD   | X     | X          | SIZE  | DWG. NO.           | REV.   |
| IE APPD   | X     | X          | A3  | P-UE78-A1118-OXXXX | D      |
| DWG APPD  |       |            | SCALE   | PROJECT            | SHEET  |
|           |       |            | 2:1   |                    | 2 OF 7 |

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| C         |         | UPDATED          | 2006/08/09 |          |
| D         |         | UPDATED          | 2007/01/02 |          |



$\phi 0.002$  [0.06] (M) B A (S) C (S)

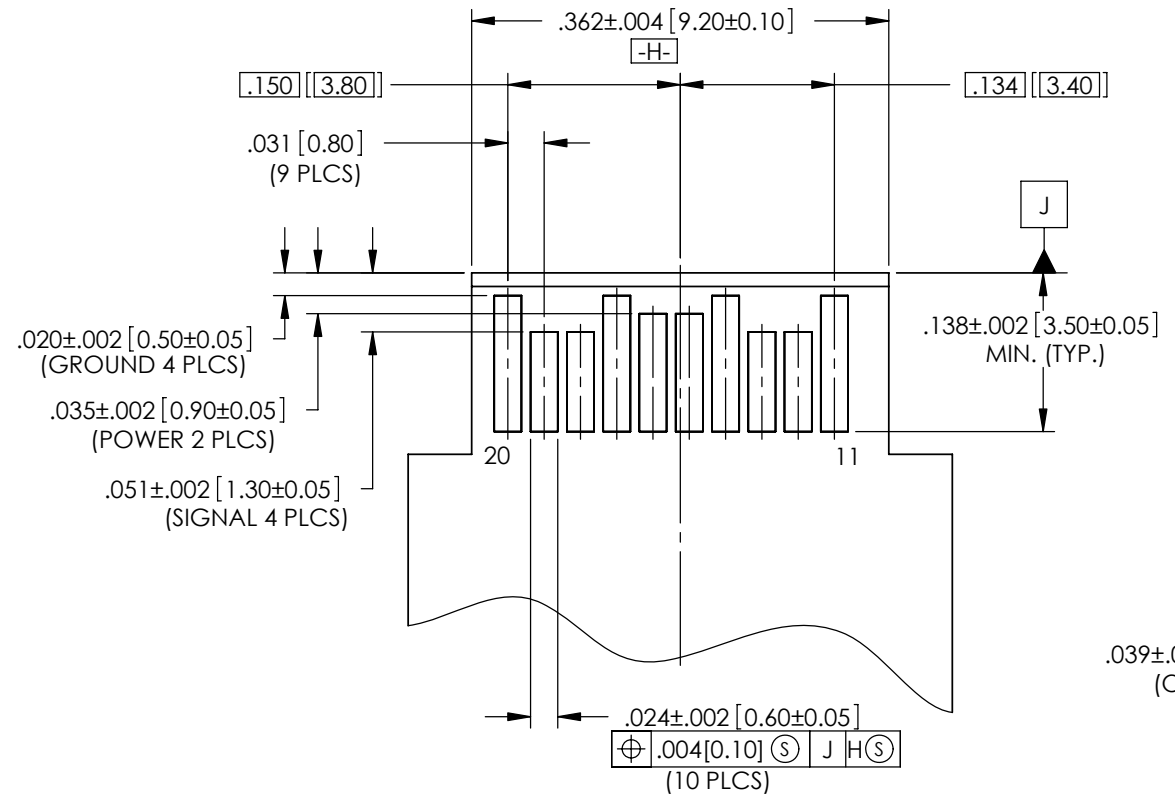
$\phi 0.004$  [0.10] (S) C D  
(TYP. 20 SOLDER TAILS)

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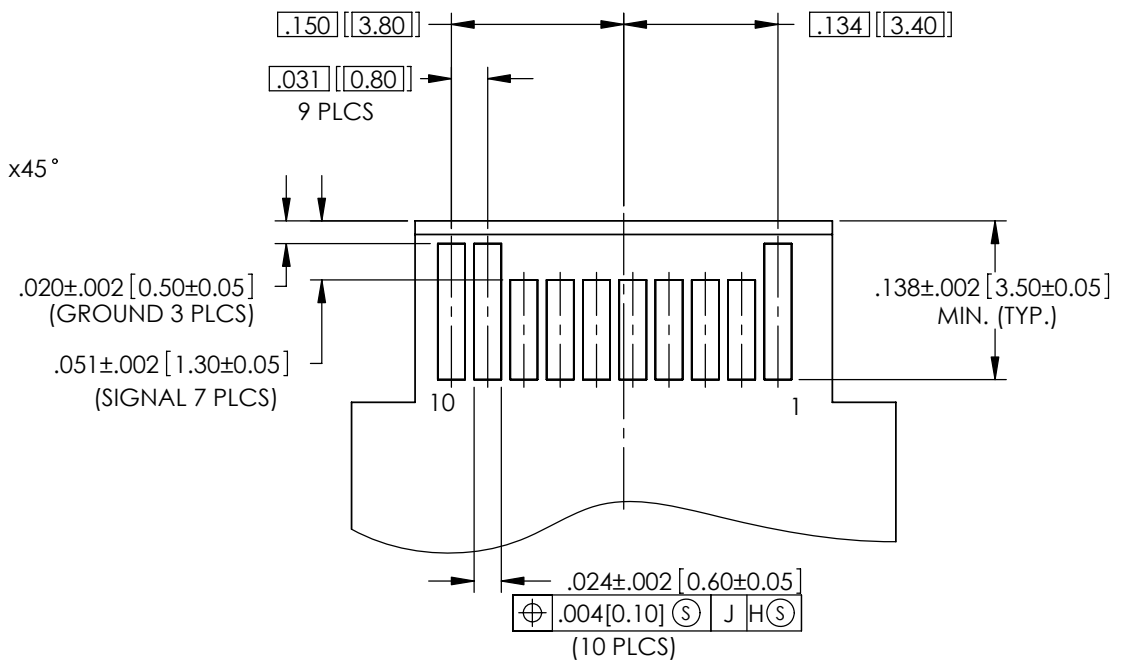
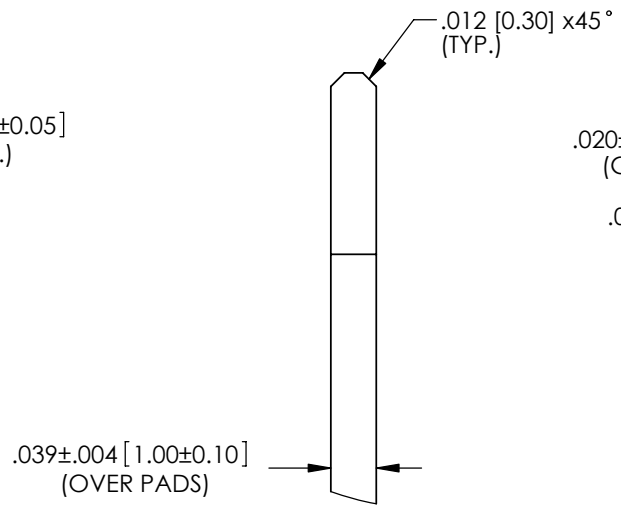
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| APPROVALS |       | DATE       | Amphenol Canada Corp.                                 |                    |        |
|-----------|-------|------------|---|--------------------|--------|
| DRAWN     | A.LIU | 2006/02/13 | TITLE   |                    |        |
| DESIGNED  | J.SI  | 2006/02/13 | SFP CAGE + CONNECTOR 1X1<br>8 PRESS FIT / 12 EMI PINS |                    |        |
| CHECKED   | J.SI  | 2006/02/13 | SIZE  | DWG. NO.           | REV.   |
| QA APPD   | X     | X          | A3  | P-UE78-A1118-0XXXX | D      |
| IE APPD   | X     | X          | SCALE   | PROJECT            | SHEET  |
| DWG APPD  |       |            | 4:1   |                    | 3 OF 7 |

| REVISIONS |         |                  |            |          |
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| REV.      | ECN/E-R | DESCRIPTION      | DATE       | APPROVED |
| B         |         | CUSTOMER DRAWING | 2006/04/05 |          |
| C         |         | UPDATED          | 2006/08/09 |          |
| D         |         | UPDATED          | 2007/01/02 |          |



TOP VIEW OF BOAD



BOTTOM VIEW OF BOAD

RECOMMENDED LAYOUT DETAIL  
MATING TRANSCEIVER PCB

DO NOT SCALE DRAWING

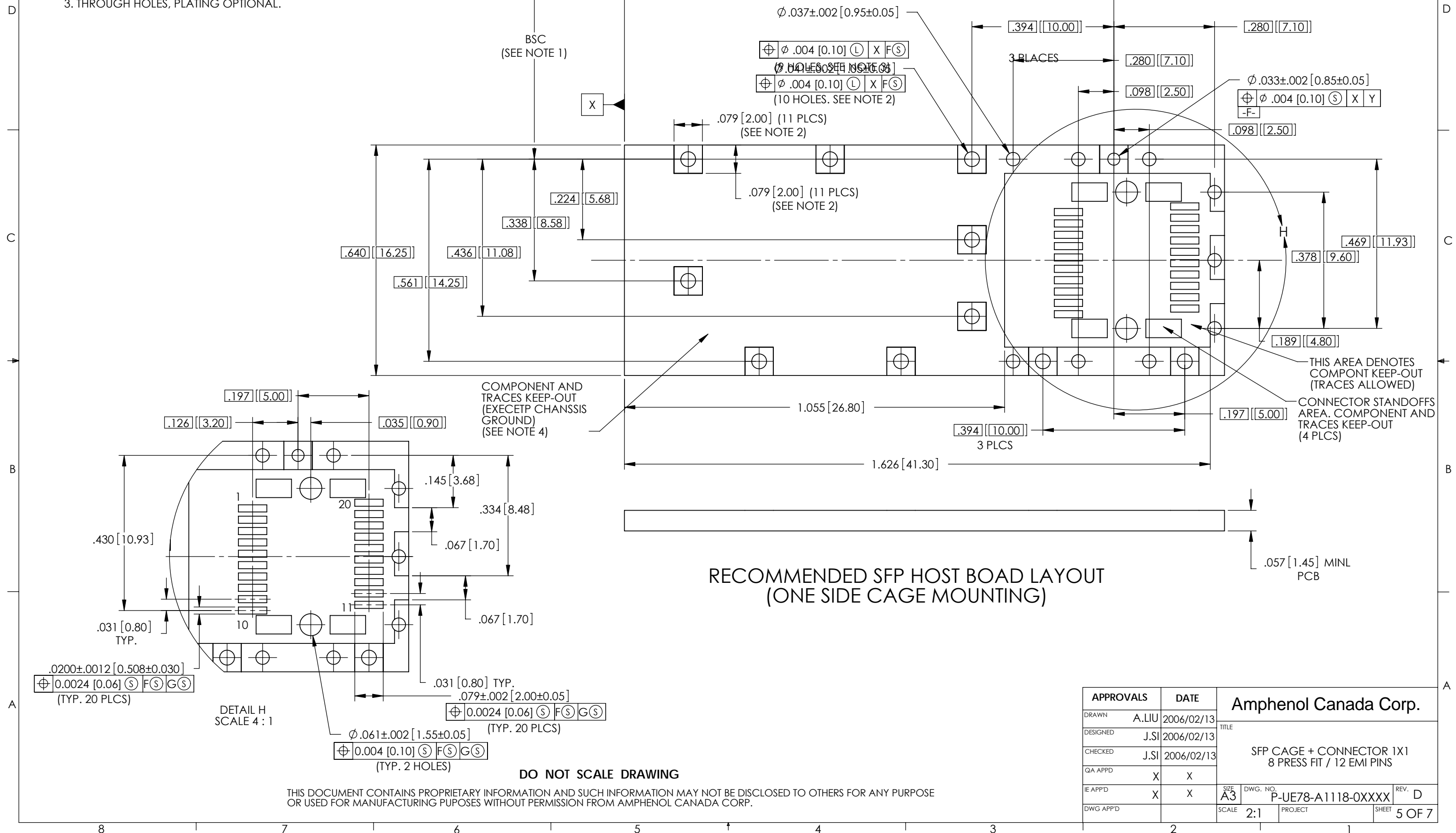
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|           |       |            |  |                                |                 |
|-----------|-------|------------|--|--------------------------------|-----------------|
| APPROVALS |       | DATE       | Amphenol Canada Corp.  |                                |                 |
| DRAWN     | A.LIU | 2006/02/13 | TITLE<br>SFP CAGE + CONNECTOR 1X1<br>8 PRESS FIT / 12 EMI PINS |                                |                 |
| DESIGNED  | J.SI  | 2006/02/13 |  |                                |                 |
| CHECKED   | J.SI  | 2006/02/13 |  |                                |                 |
| QA APPD   | X     | X          |  |                                |                 |
| IE APPD   | X     | X          | SIZE<br>A3   | DWG. NO.<br>P-UE78-A1118-0XXXX | REV.<br>D       |
| DWG APPD  |       |            | SCALE<br>4:1   | PROJECT                        | SHEET<br>4 OF 7 |

**REVISIONS**

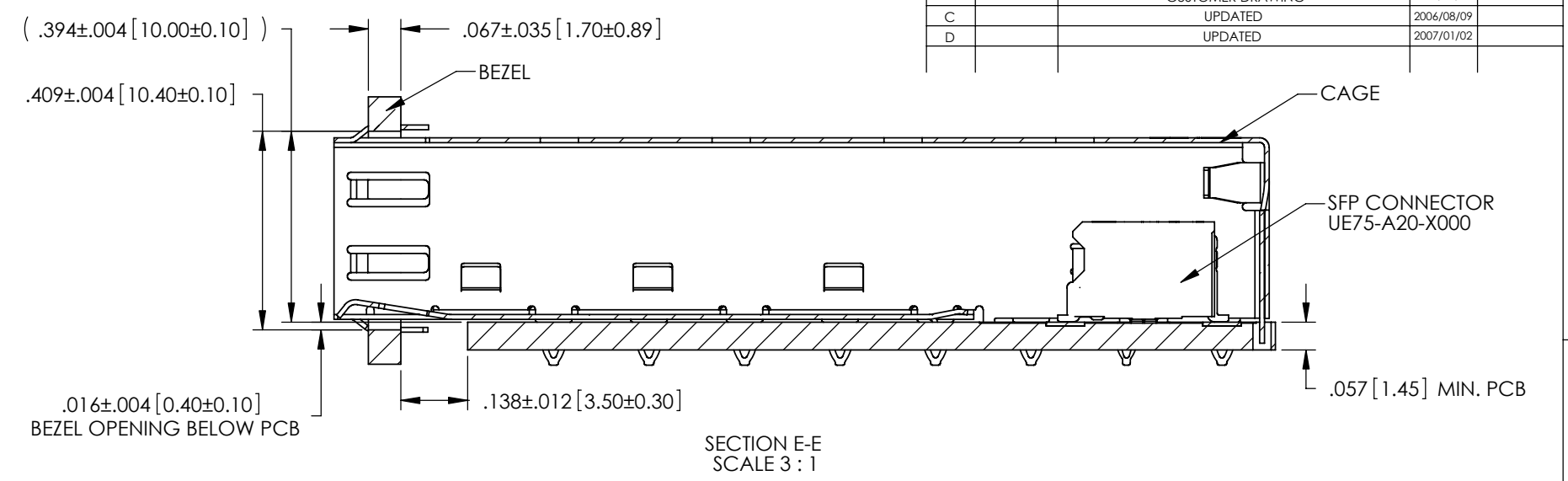
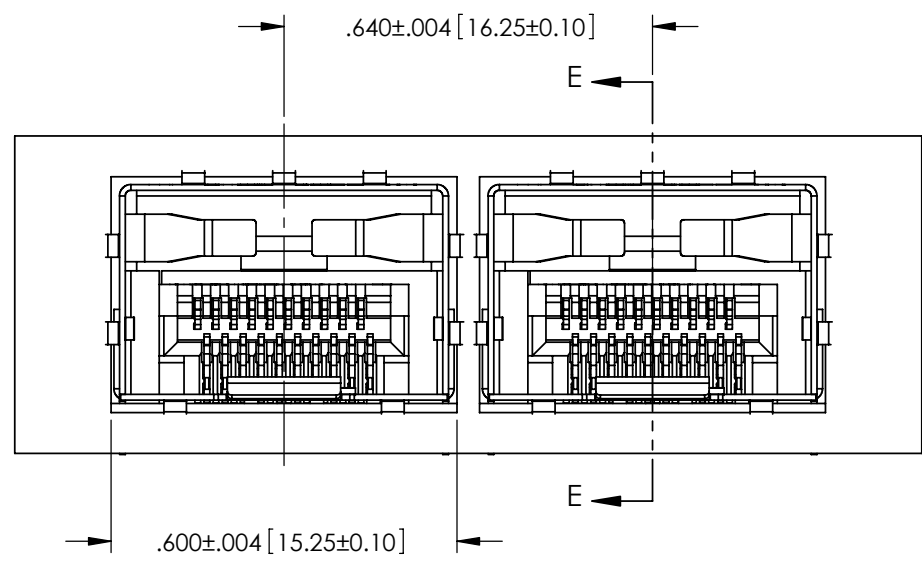
| REV. | ECN/E-R | DESCRIPTION      | DATE       | APPROVED |
|------|---------|------------------|------------|----------|
| B    |         | CUSTOMER DRAWING | 2006/04/05 | J.SI     |
| C    |         | UPDATED          | 2006/08/09 |          |
| D    |         | UPDATED          | 2007/01/02 |          |

NOTES;  
 1. DATUM AND BASIC DIMENTIONS ESTABLISHED BY CUSTOMER  
 2. PADS AND VIAS ARE CHASSIS GROUND, 11 PLACES.  
 3. THROUGH HOLES, PLATING OPTIONAL.

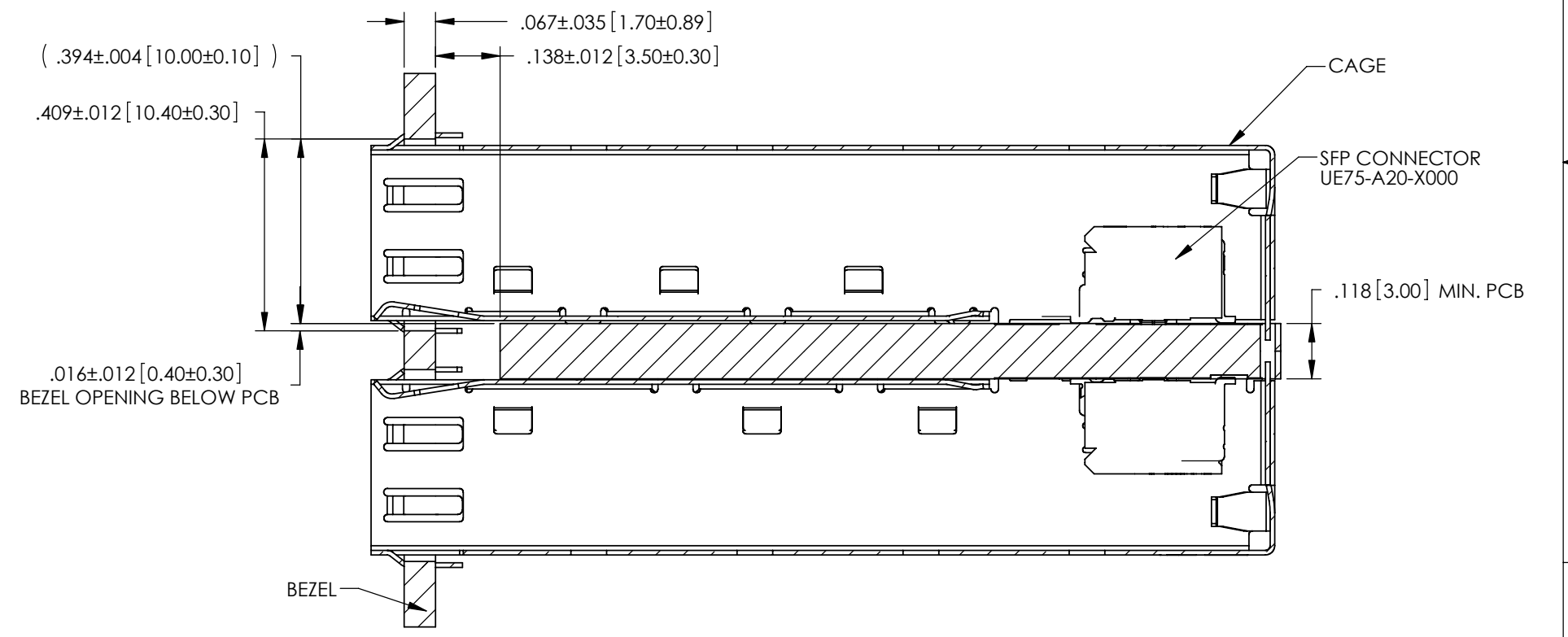
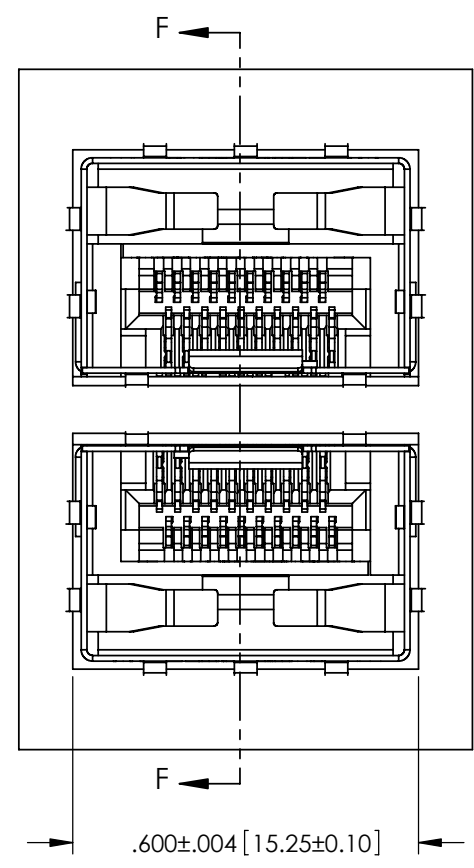


| APPROVALS |       | DATE       | Amphenol Canada Corp.                                 |                    |
|-----------|-------|------------|---|--------------------|
| DRAWN     | A.LIU | 2006/02/13 | TITLE   |                    |
| DESIGNED  | J.SI  | 2006/02/13 | SFP CAGE + CONNECTOR 1X1<br>8 PRESS FIT / 12 EMI PINS |                    |
| CHECKED   | J.SI  | 2006/02/13 | SIZE  | DWG. NO.           |
| QA APPD   | X     | X          | A3  | P-UE78-A1118-0XXXX |
| IE APPD   | X     | X          | SCALE   | PROJECT            |
| DWG APPD  |       |            | 2:1   | SHEET 5 OF 7       |

| REVISIONS |         |                  |            |          |
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| C         |         | UPDATED          | 2006/08/09 |          |
| D         |         | UPDATED          | 2007/01/02 |          |



RECOMMENDED BEZEL DESIGN  
(ONE SIDE CAGE MOUNTING)



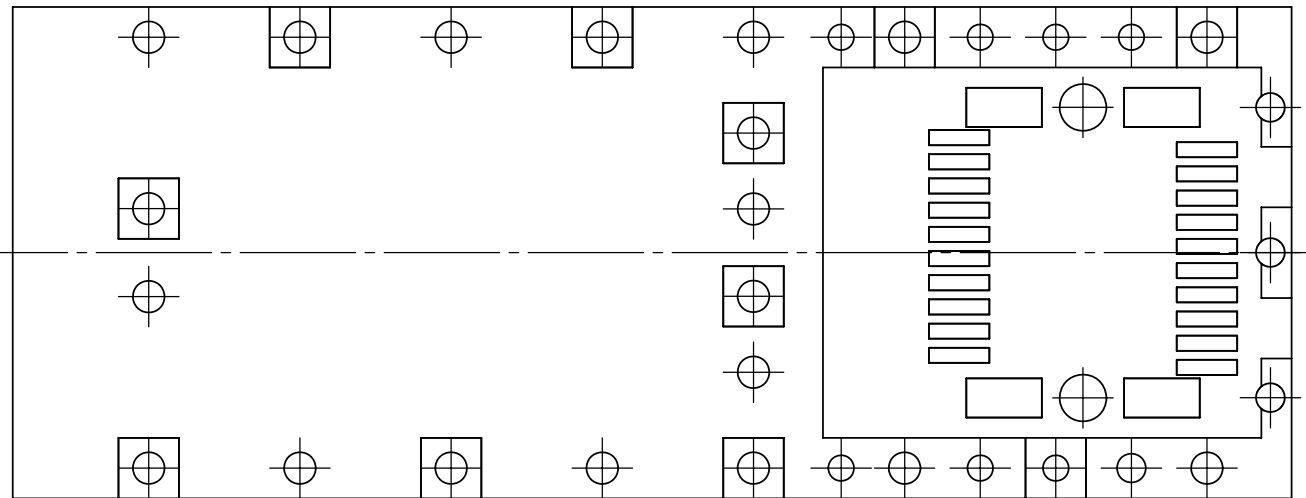
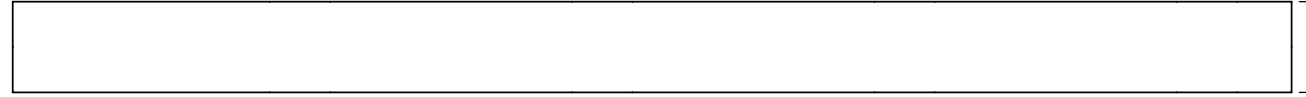
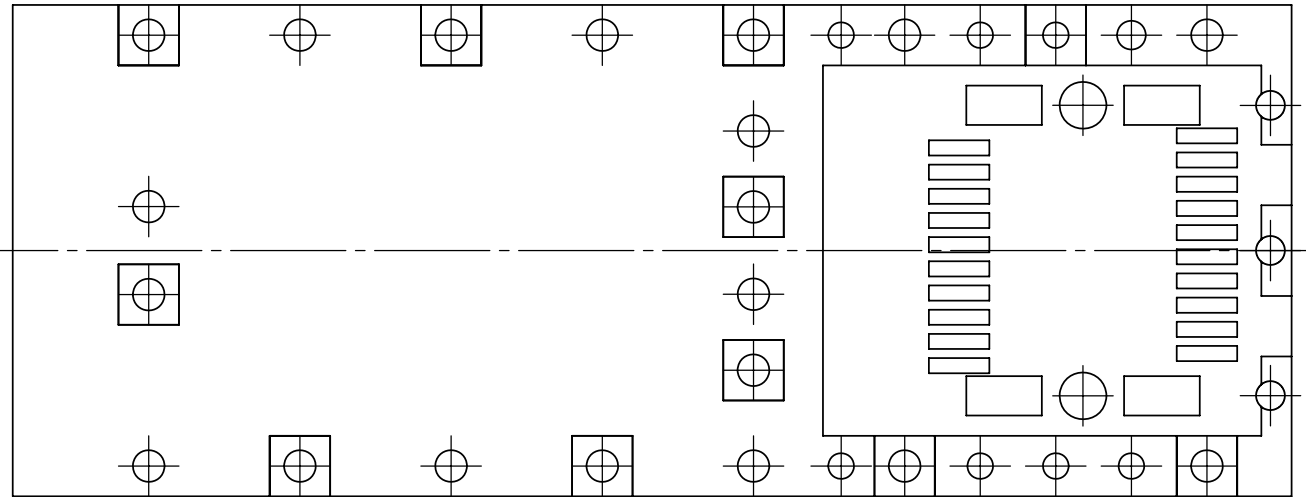
RECOMMENDED BEZEL DESIGN  
(BELLY TO BELLY CAGE MOUNTING)

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| APPROVALS |       | DATE       | Amphenol Canada Corp.                                 |                                |                 |
|-----------|-------|------------|---|--------------------------------|-----------------|
| DRAWN     | A.LIU | 2006/02/13 | TITLE   |                                |                 |
| DESIGNED  | J.SI  | 2006/02/13 | SFP CAGE + CONNECTOR 1X1<br>8 PRESS FIT / 12 EMI PINS |                                |                 |
| CHECKED   | J.SI  | 2006/02/13 | REV. D  |                                |                 |
| QA APPD   | X     | X          | SIZE<br>A3  | DWG. NO.<br>P-UE78-A1118-0XXXX | REV.<br>D       |
| IE APPD   | X     | X          | SCALE<br>2:1  | PROJECT                        | SHEET<br>6 OF 7 |
| DWG APPD  |       |            |   |                                |                 |

| REVISIONS |         |                  |            |          |
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| D         |         | UPDATED          | 2007/01/02 |          |



RECOMMENDED SFP HOST BOARD LAYOUT  
(BELLY TO BELLY CAGE MOUNTING)

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|------------------|-------|-------------|--|---------|--------|
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| DRAWN            | A.LIU | 2006/02/13  | TITLE<br>SFP CAGE + CONNECTOR 1X1<br>8 PRESS FIT / 12 EMI PINS |         |        |
| DESIGNED         | J.SI  | 2006/02/13  |  |         |        |
| CHECKED          | J.SI  | 2006/02/13  |  |         |        |
| QA APPD          | X     | X           | SIZE<br>A3   |         |        |
| IE APPD          | X     | X           |  |         |        |
| DWG APPD         |       |             | SCALE<br>2:1   | PROJECT | REV. D |
|                  |       |             | SHEET  | 7 OF 7  |        |

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).



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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