

| 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 | |



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

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

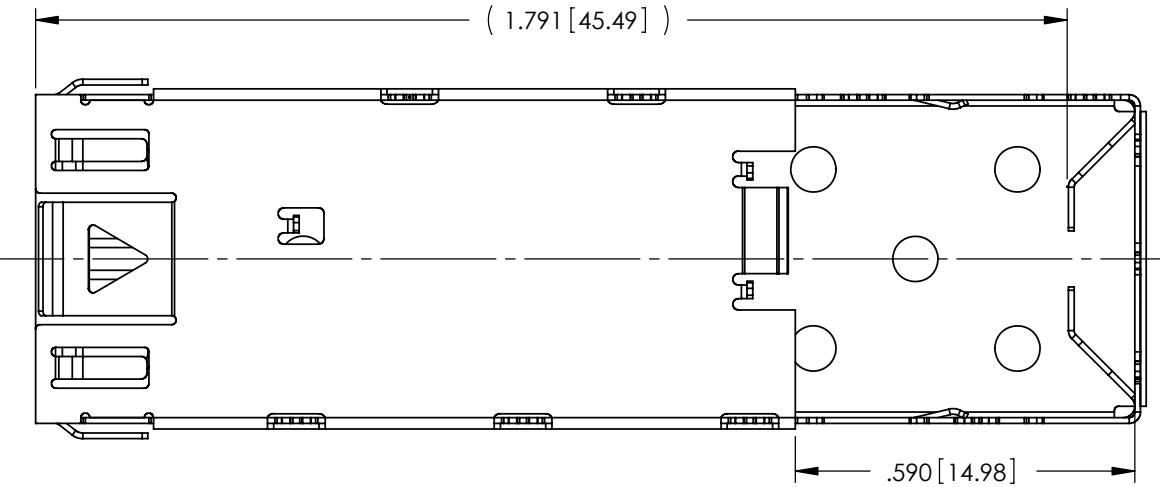
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| APPROVALS | | DATE | Amphenol Canada Corp. | | |
| DRAWN | A.LIU | 2006/02/13 | | | |
| DESIGNED | J.SI | 2006/02/13 | TITLE SFP CAGE + CONNECTOR 1X1 8 PRESS FIT / 12 EMI PINS | | |
| CHECKED | J.SI | 2006/02/13 | | | |
| QA APPD | X | X | | | |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



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| IE APPD | X | X | SCALE 2:1 | PROJECT | SHEET 2 OF 7 |
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$\phi 0.002 [0.06] (M) B A(S) C(S)$

$\phi 0.055 [1.40]$
 $\phi 0.002 [0.06] (M) B A(S)$
 -C-

$\phi 0.010 [0.25]$
 $\phi 0.004 [0.10] (S) C D$
 (TYP. 20 SOLDER TAILS)

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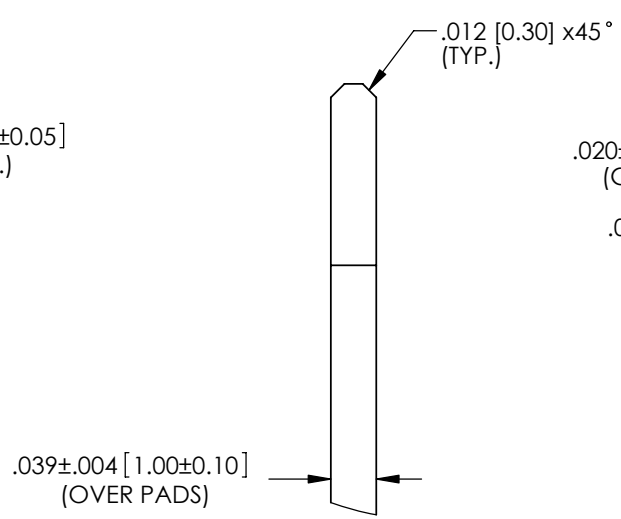
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TOP VIEW OF BOAD



BOTTOM VIEW OF BOAD

RECOMMENDED LAYOUT DETAIL
MATING TRANSCEIVER PCB

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REVISIONS

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



BSC
(SEE NOTE 1)

$\phi .004 [0.10] \text{ (L) X F (S)}$
 $\phi .004 [0.10] \text{ (L) X F (S)}$
 (10 HOLES. SEE NOTE 2)

$\phi .033 \pm .002 [0.85 \pm 0.05]$
 $\phi .004 [0.10] \text{ (S) X Y}$
 -F-

COMPONENT AND TRACES KEEP-OUT (EXCEPT CHASSIS GROUND) (SEE NOTE 4)

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)
 CONNECTOR STANDOFFS AREA. COMPONENT AND TRACES KEEP-OUT (4 PLCS)

RECOMMENDED SFP HOST BOARD LAYOUT (ONE SIDE CAGE MOUNTING)

DETAIL H
SCALE 4 : 1

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RECOMMENDED BEZEL DESIGN
(ONE SIDE CAGE MOUNTING)

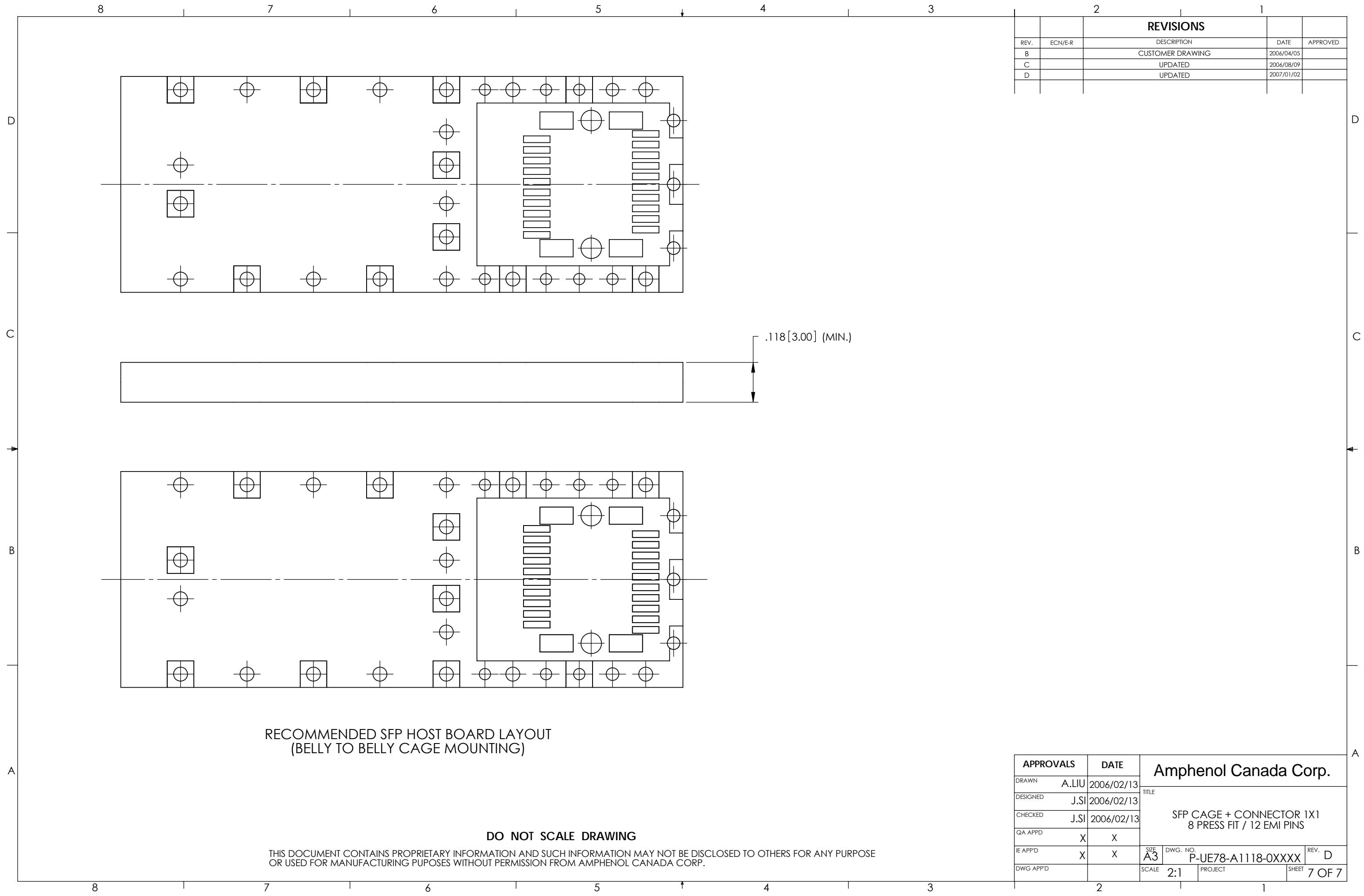


RECOMMENDED BEZEL DESIGN
(BELLY TO BELLY CAGE MOUNTING)

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| DWG APPD | | | | | |



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

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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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