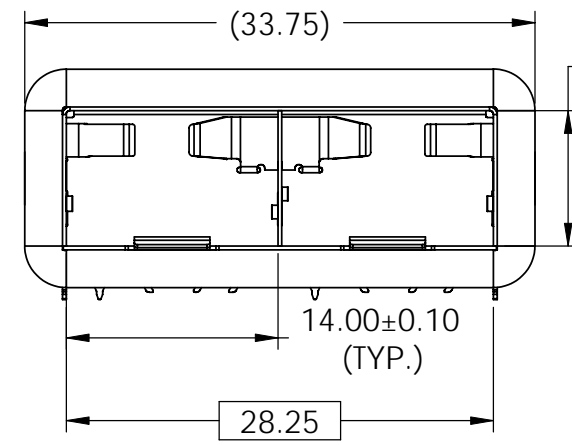
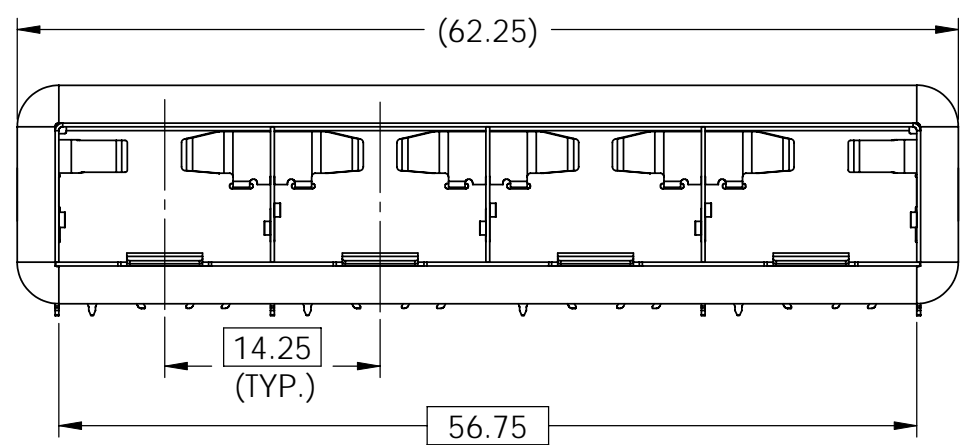
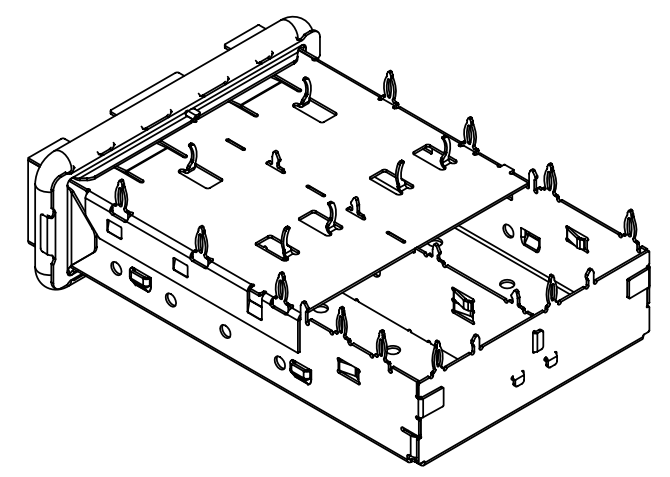
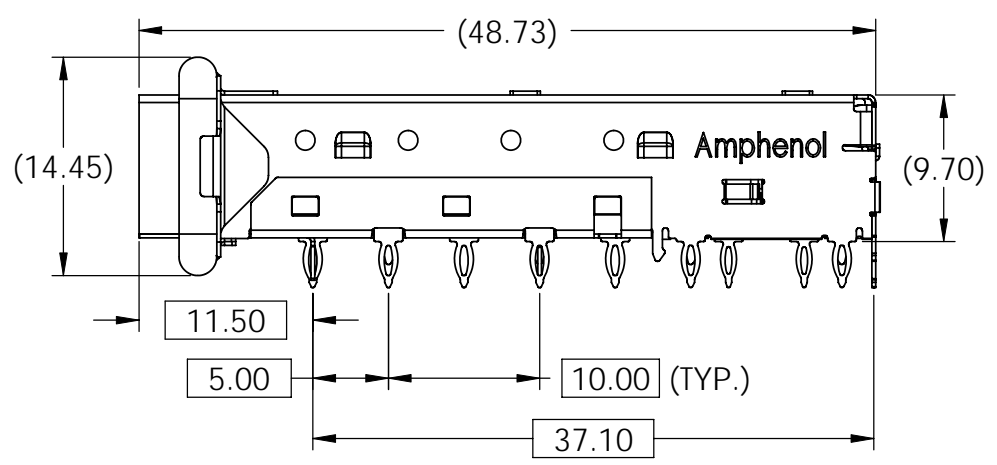




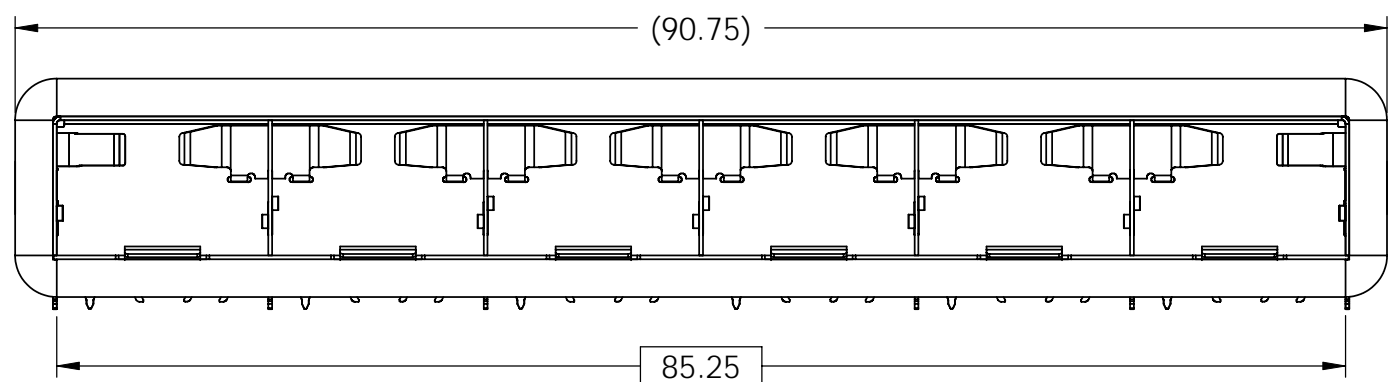
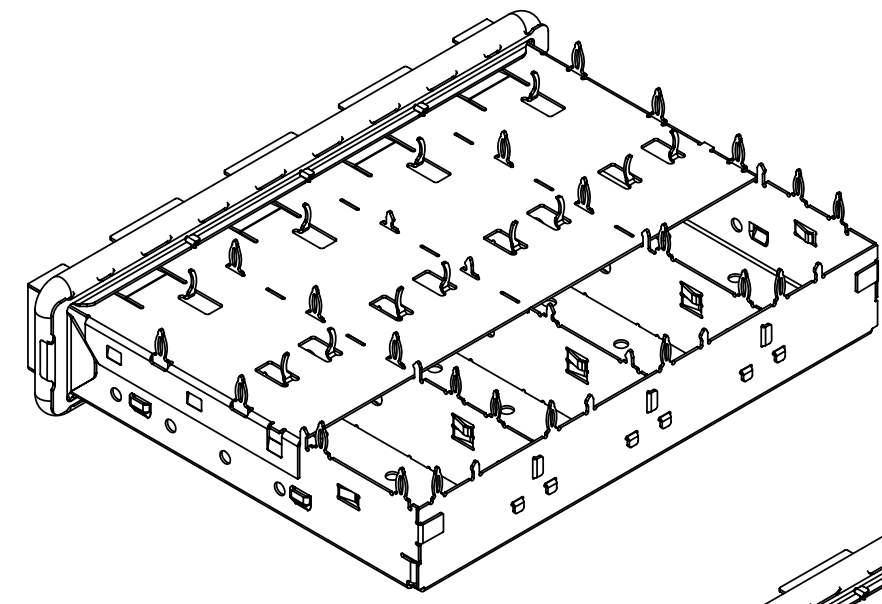
| REVISIONS |         |                           |          |          |
|-----------|---------|---------------------------|----------|----------|
| REV.      | ECN/E-R | DESCRIPTION               | DATE     | APPROVED |
| A         |         | PROPOSAL                  | MAR26/09 |          |
| B         |         | UPDATED                   | JUL14/09 |          |
| C         |         | B-B APPLICATION SPECIFIED | AUG14/09 |          |



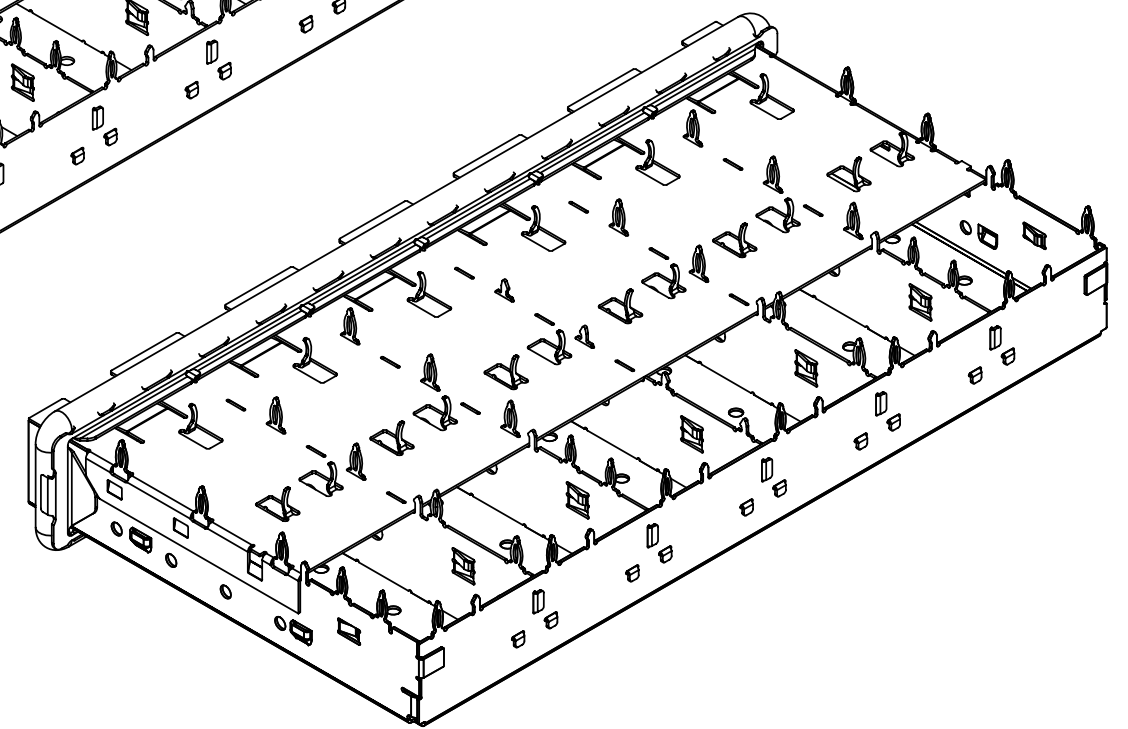
U77-A241M-X081



U77-A441M-X081



U77-A641M-X081



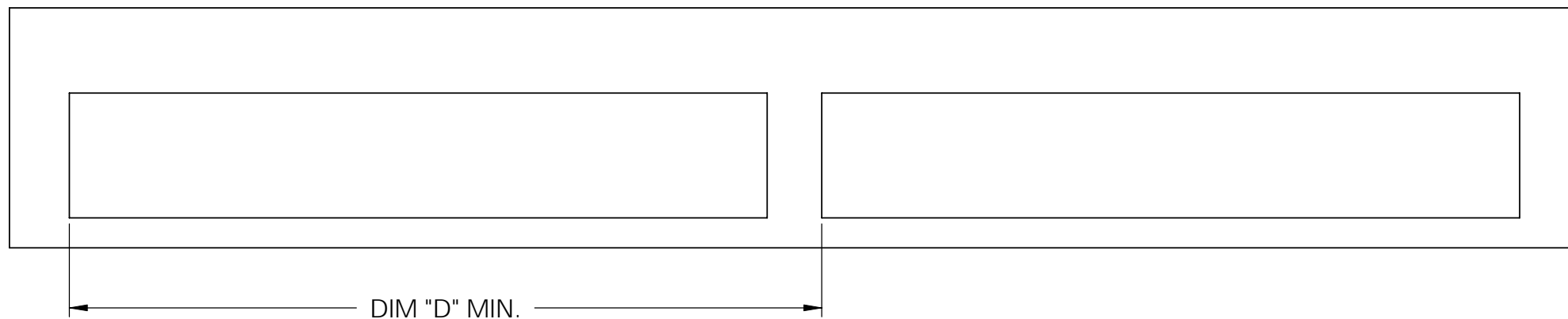
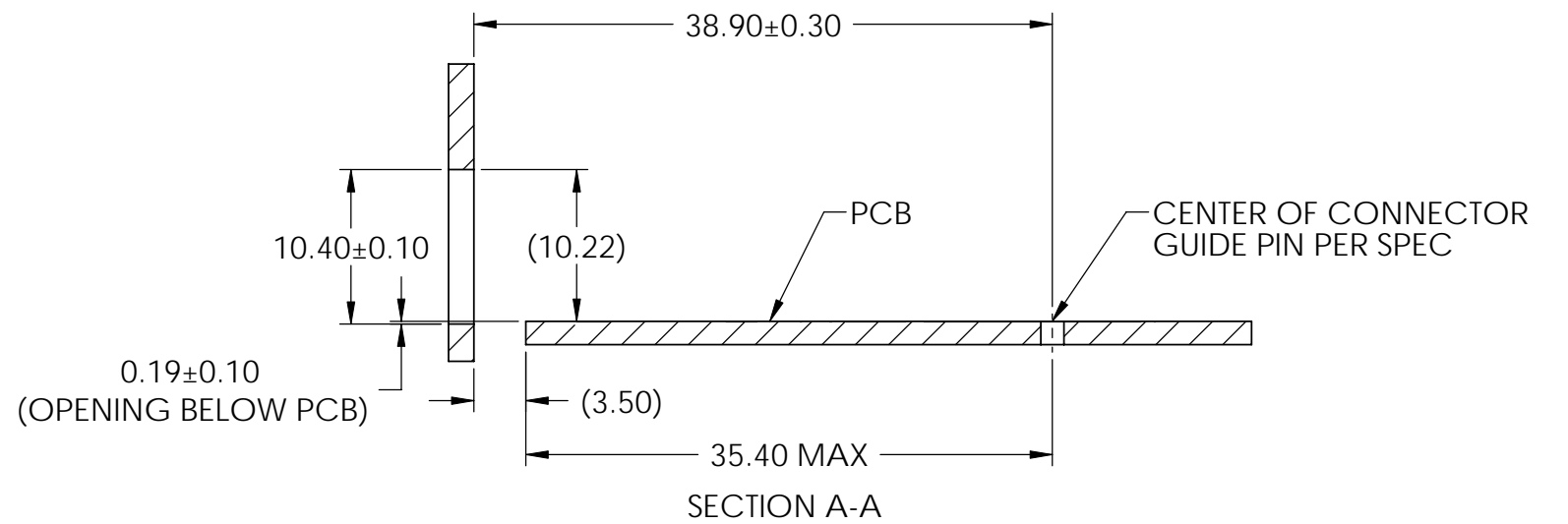
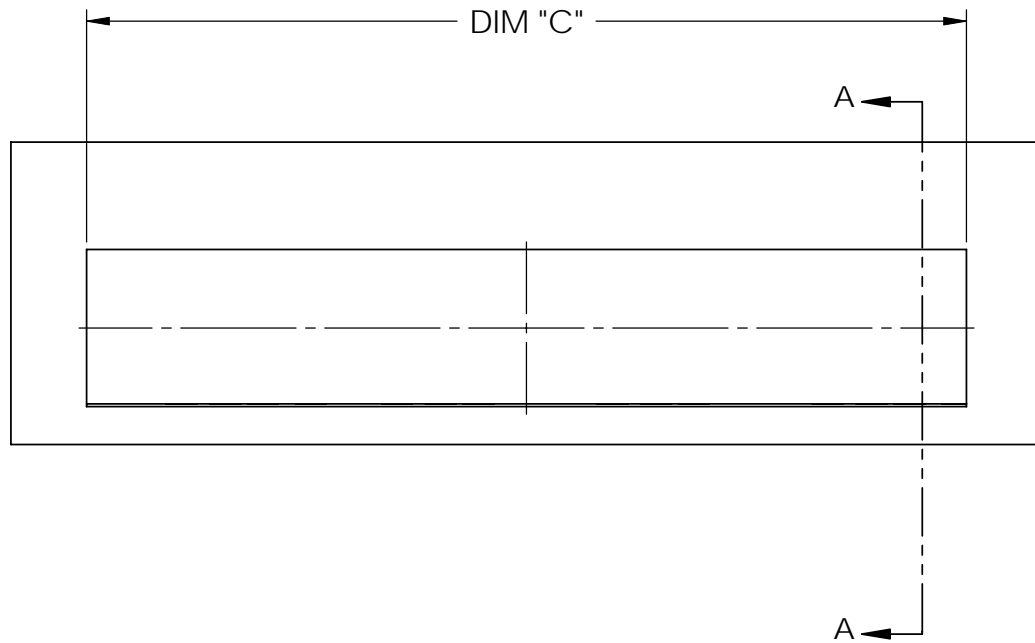
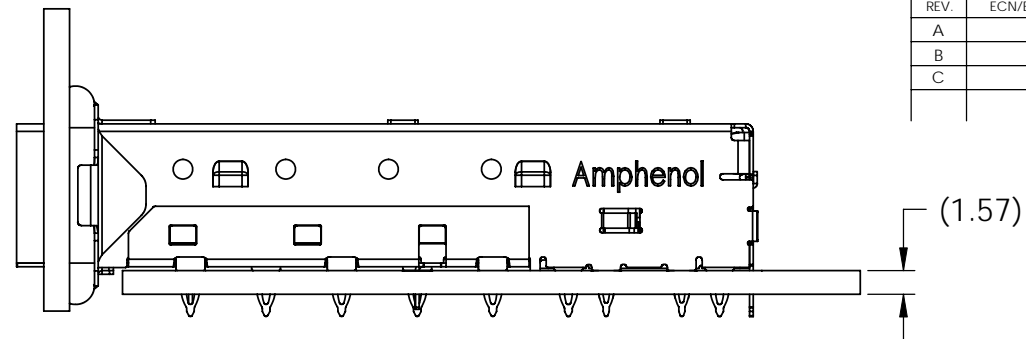
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|  |                |                  |          |             |              |  |                             |                  |  |  |
|--|----------------|------------------|----------|-------------|--------------|--|-----------------------------|------------------|--|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: |                | <b>APPROVALS</b> |          | <b>DATE</b> |              | <b>Amphenol Canada Corp.</b>                   |                             |                  |  |  |
| DECIMALS<br>X.X ± 0.38<br>X.XX ± 0.25                                    | ANGLES<br>± 1° | DRAWN<br>ChigowX | DESIGNED | MAR04/09    |              | TITLE  |                             |                  |  |  |
| MATERIAL AND FINISH<br>SEE NOTE 1  |                | CHECKED<br>J.SI  | QA APPD  | MAR26/09    |              | 1XN SFP+ CAGE ASSEMBLY WITH ELASTOMERIC GASKET |                             |                  |  |  |
| REF.   |                | IE APPD          |          |             |              | SIZE<br>A3                                     | DWG. NO<br>P-U77-AX41M-X081 | REV.<br>C        |  |  |
| CODE IDENT. NO<br>03554  |                | DWG APPD<br>A.G. |          | MAR26/09    | SCALE<br>2:1 | PROJECT  |                             | SHEET<br>2 OF 10 |  |  |

| PART NUMBER    | DIM "C" | DIM "D" |
|----------------|---------|---------|
| U77-A241M-X091 | 29.70   | 34.25   |
| U77-A441M-X091 | 58.20   | 62.75   |
| U77-A641M-X091 | 86.70   | 91.25   |

| REVISIONS |         |                           |          |          |
|-----------|---------|---------------------------|----------|----------|
| REV.      | ECN/E-R | DESCRIPTION               | DATE     | APPROVED |
| A         |         | PROPOSAL                  | MAR26/09 |          |
| B         |         | UPDATED                   | JUL14/09 |          |
| C         |         | B-B APPLICATION SPECIFIED | AUG14/09 |          |

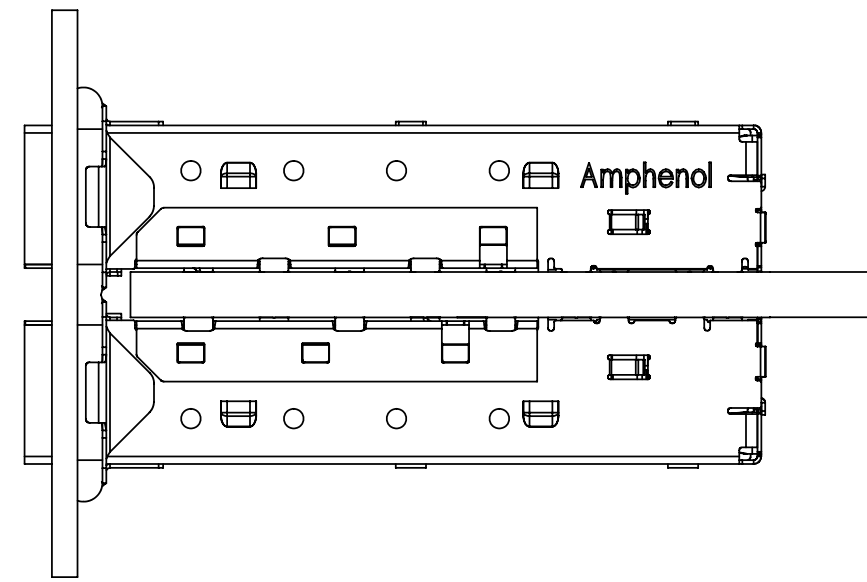


|  |        |                      |  |             |  |   |  |
|--|--------|----------------------|--|-------------|--|---|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: |        | <b>APPROVALS</b>     |  | <b>DATE</b> |  | <b>Amphenol Canada Corp.</b>                          |  |
| DECIMALS   | ANGLES | DRAWN <b>ChigowX</b> |  | MAR04/09    |  |   |  |
| X.X ± 0.38   | ± 1°   | DESIGNED             |  |             |  | <b>1XN SFP+ CAGE ASSEMBLY WITH ELASTOMERIC GASKET</b> |  |
| X.XX ± 0.25  |        | CHECKED <b>J.SI</b>  |  | MAR26/09    |  |   |  |
| MATERIAL AND FINISH  |        | QA APPD              |  |             |  | SIZE <b>A3</b>  |  |
| SEE NOTE 1   |        | IE APPD              |  |             |  | DWG. NO. <b>P-U77-AX41M-X081</b>                      |  |
| REF.   |        | DWG APPD <b>A.G.</b> |  | MAR26/09    |  | REV. <b>C</b>   |  |
| CODE IDENT. NO. <b>03554</b>   |        | SCALE <b>2:1</b>     |  | PROJECT     |  | SHEET <b>3 OF 10</b>                                  |  |

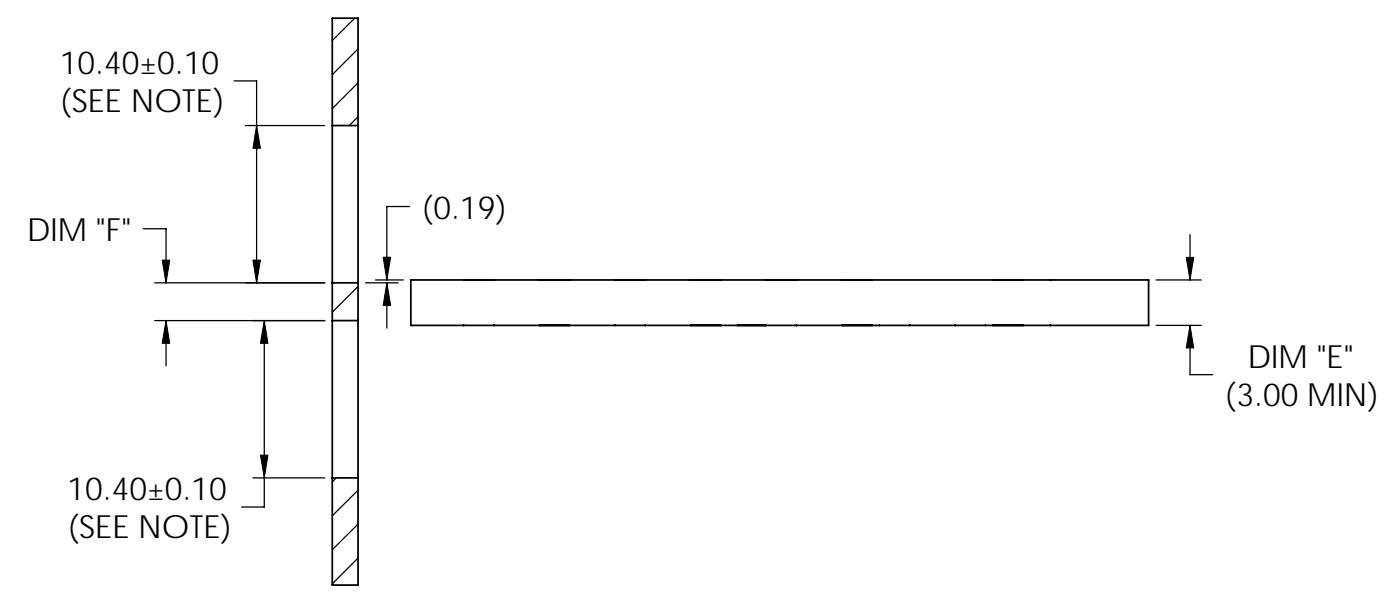
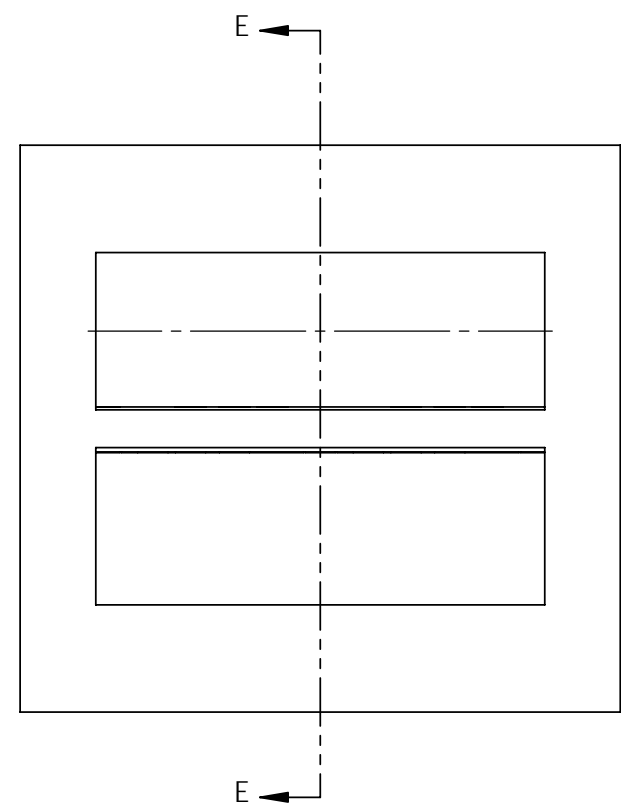
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| REVISIONS |         |                           |          |          |
|-----------|---------|---------------------------|----------|----------|
| REV.      | ECN/E-R | DESCRIPTION               | DATE     | APPROVED |
| A         |         | PROPOSAL                  | MAR26/09 |          |
| B         |         | UPDATED                   | JUL14/09 |          |
| C         |         | B-B APPLICATION SPECIFIED | AUG14/09 |          |



NOTE:  
 PANEL CUTOUT SIZES PER SFF 8433 SPEC. FOR BELLY TO BELLY MOUNTING, DIM "E" (PCB THICKNESS) IS 3.0 mm MIN. DIM "F" RELATED TO DIM "E". FOR DIM "F" = DIM "E" - 0.44 mm. THE PANEL CUTOUT 10.40 mm MIGHT BE INCREASED UP TO 10.80 mm IN ORDER TO ACCOMMODATE PCB TOLERANCE.



SECTION E-E

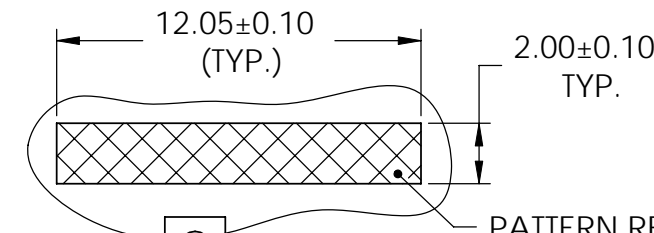
|   |                  |                  |              |          |  |                           |
|---|------------------|------------------|--------------|----------|--|---------------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:<br>DECIMALS      ANGLES<br>X.X ± 0.38      ± 1°<br>X.XX ± 0.25 |                  | APPROVALS        |              | DATE     | Amphenol Canada Corp.                          |                           |
| MATERIAL AND FINISH<br>SEE NOTE 1   |                  | DRAWN<br>ChigowX | DESIGNED     | MAR04/09 | TITLE  |                           |
| REF.  |                  | CHECKED<br>J.SI  | QA APPD      | MAR26/09 | 1XN SFP+ CAGE ASSEMBLY WITH ELASTOMERIC GASKET |                           |
| CODE IDENT. NO. 03554   | DWG APPD<br>A.G. | MAR26/09         | SCALE<br>2:1 | PROJECT  | SIZE<br>A3                                     | DWG. NO. P-U77-AX41M-X081 |
|   |                  |                  |              |          | REV.<br>C                                      | SHEET<br>4 OF 10          |

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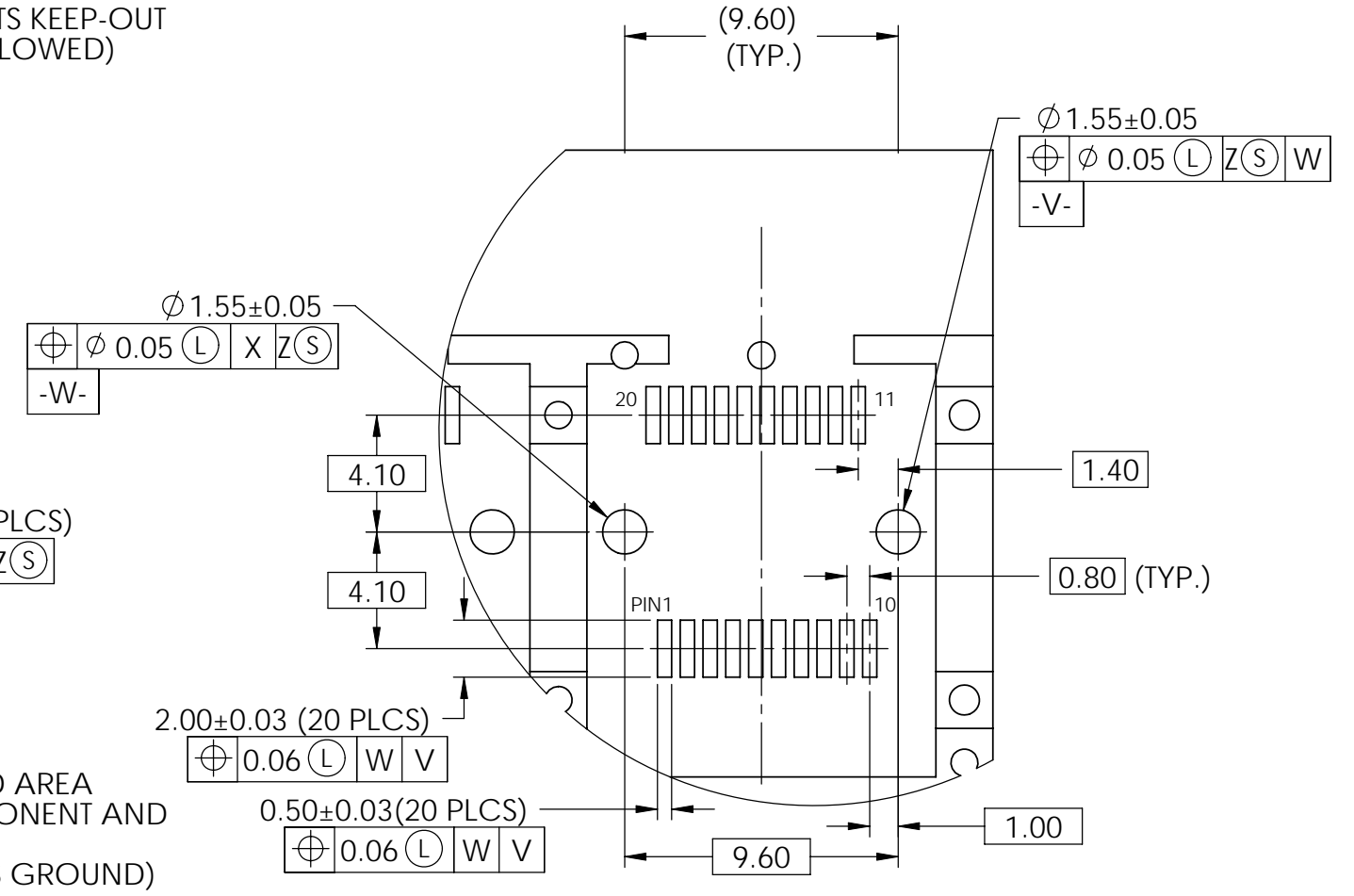
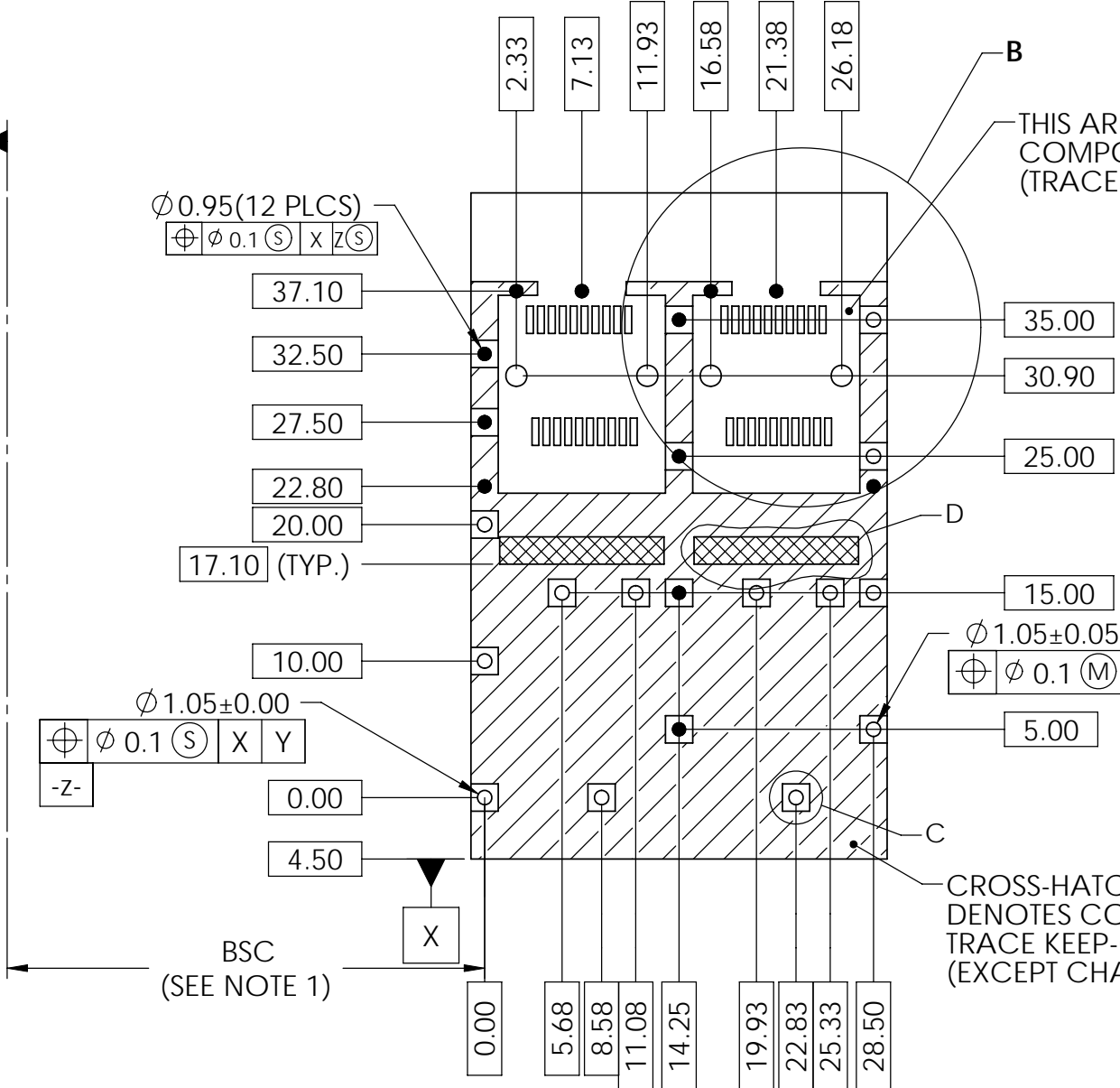
- NOTES:  
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.  
 2. PADS AND VIAS ARE CHASSIS GROUND.  
 3. THRU-HOLES, PLATING OPTIONAL.  
 4. SEE DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

| REVISIONS |         |                           |          |          |
|-----------|---------|---------------------------|----------|----------|
| REV.      | ECN/E-R | DESCRIPTION               | DATE     | APPROVED |
| A         |         | PROPOSAL                  | MAR26/09 |          |
| B         |         | UPDATED                   | JUL14/09 |          |
| C         |         | B-B APPLICATION SPECIFIED | AUG14/09 |          |

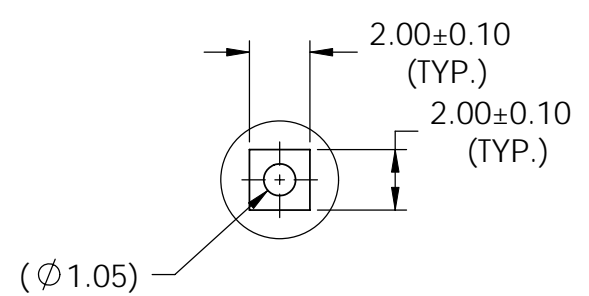


DETAIL D  
SCALE 4 : 1

PATTERN REPEATS FOR EACH PORT.  
 SPACING BETWEEN PORTS IS 14.25mm.  
 APPLIES TO ALL GANGED LAYOUTS



DETAIL B  
SCALE 4 : 1



DETAIL C  
SCALE 4 : 1

**RECOMMENDED PCB DESIGN  
 FOR SINGLE SIDE MOUNTING  
 (P/N U77-A241M-X081)**

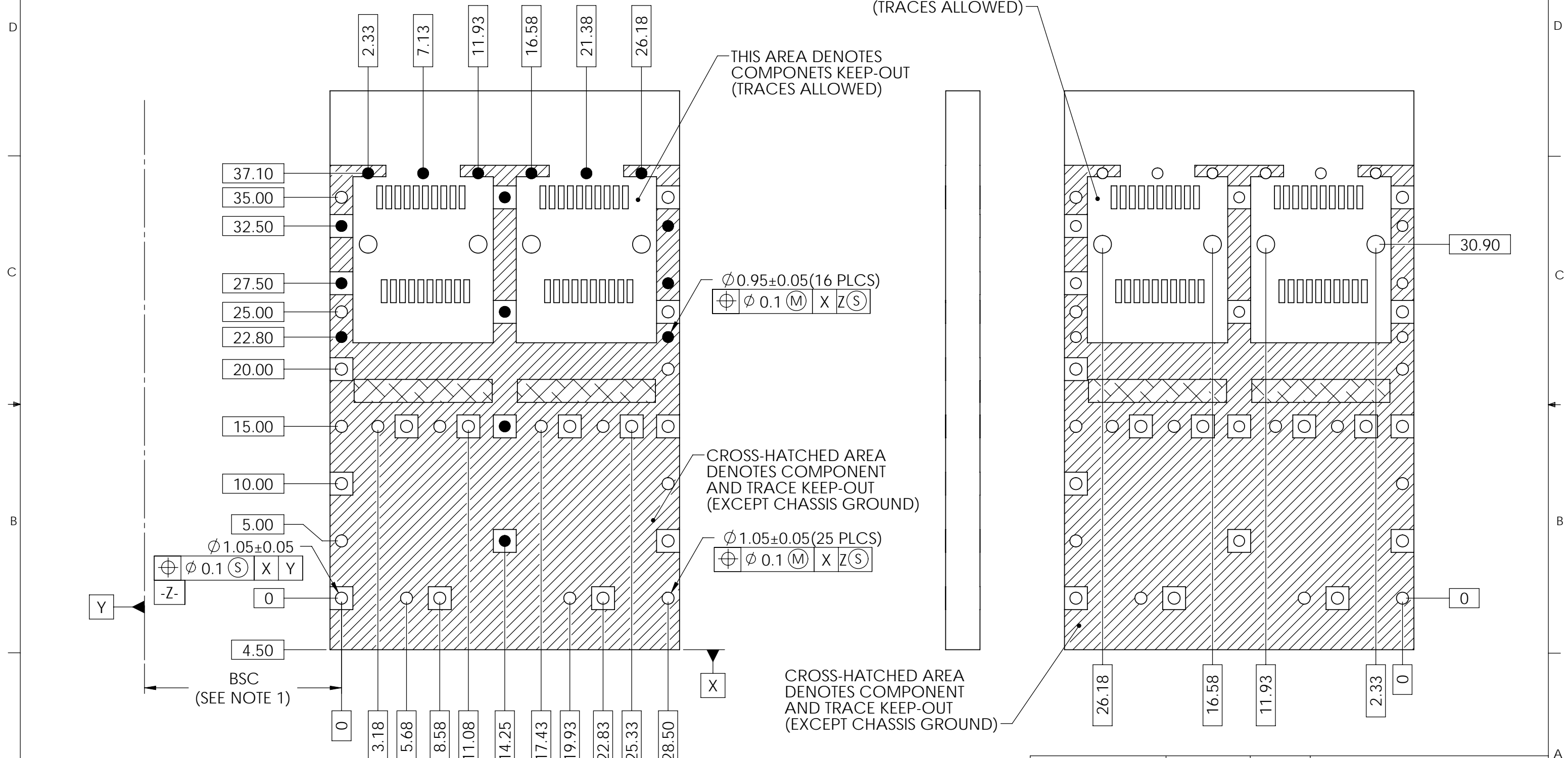
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|   |  |  |                       |                                      |
|---|--|--|-----------------------|--------------------------------------|
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|   | DRAWN ChigowX<br>DESIGNED<br>CHECKED J.SI<br>QA APPD<br>IE APPD<br>DWG APPD A.G. | MAR04/09<br><br>MAR26/09<br><br>MAR26/09 |                       |                                      |
|   |  |  | SIZE A3<br>SCALE 2:1  | DWG. NO. P-U77-AX41M-X081<br>PROJECT |
|   |  |  |                       | REV. C<br>SHEET 5 OF 10              |

- NOTES:  
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.  
 2. PADS AND VIAS ARE CHASSIS GROUND.  
 3. THRU-HOLES, PLATING OPTIONAL.  
 4. SEE DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

| REVISIONS |         |                           |          |          |
|-----------|---------|---------------------------|----------|----------|
| REV.      | ECN/E-R | DESCRIPTION               | DATE     | APPROVED |
| A         |         | PROPOSAL                  | MAR26/09 |          |
| B         |         | UPDATED                   | JUL14/09 |          |
| C         |         | B-B APPLICATION SPECIFIED | AUG14/09 |          |



**RECOMMENDED PCB DESIGN  
 FOR BELLY TO BELLY MOUNTING  
 (P/N U77-A241M-X081)**

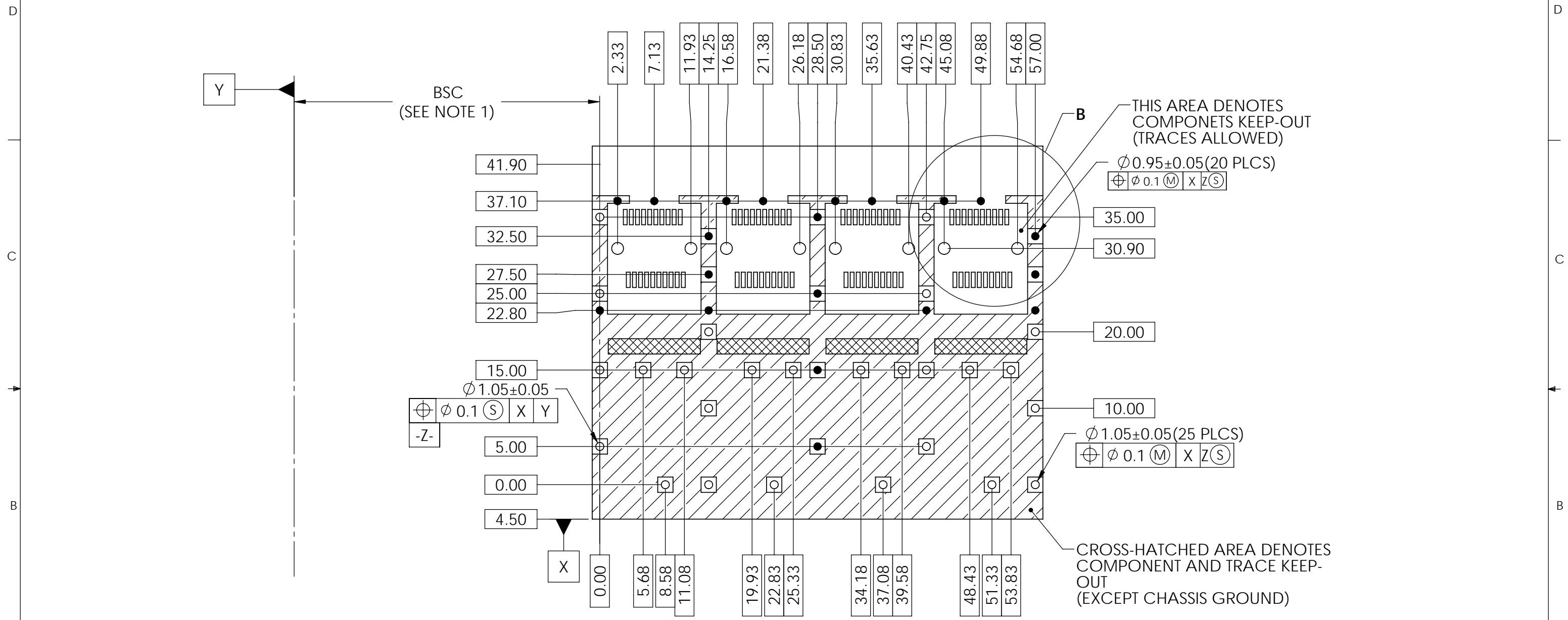
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|   |  |  |  |
|---|--|--|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:<br>DECIMALS X.X ± 0.38<br>X.XX ± 0.25<br>MATERIAL AND FINISH SEE NOTE 1<br>REF.<br>CODE IDENT. NO. 03554 | <b>APPROVALS</b>   | <b>DATE</b>                              | <b>Amphenol Canada Corp.</b><br>TITLE<br><b>1XN SFP+ CAGE ASSEMBLY WITH ELASTOMERIC GASKET</b> |
|   | DRAWN ChigowX<br>DESIGNED<br>CHECKED J.SI<br>QA APPD<br>IE APPD<br>DWG APPD A.G. | MAR04/09<br><br>MAR26/09<br><br>MAR26/09 |  |
|   |  |  | SIZE A3<br>DWG. NO. P-U77-AX41M-X081<br>SCALE 3:1<br>PROJECT<br>SHEET 6 OF 10                  |

- NOTES:  
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.  
 2. PADS AND VIAS ARE CHASSIS GROUND.  
 3. THRU-HOLES, PLATING OPTIONAL.  
 4. SEE DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

| REVISIONS |         |                           |          |          |
|-----------|---------|---------------------------|----------|----------|
| REV.      | ECN/E-R | DESCRIPTION               | DATE     | APPROVED |
| A         |         | PROPOSAL                  | MAR26/09 |          |
| B         |         | UPDATED                   | JUL14/09 |          |
| C         |         | B-B APPLICATION SPECIFIED | AUG14/09 |          |



**RECOMMENDED PCB DESIGN  
 FOR SINGLE SIDE MOUNTING  
 (P/N U77-A441M-X081)**

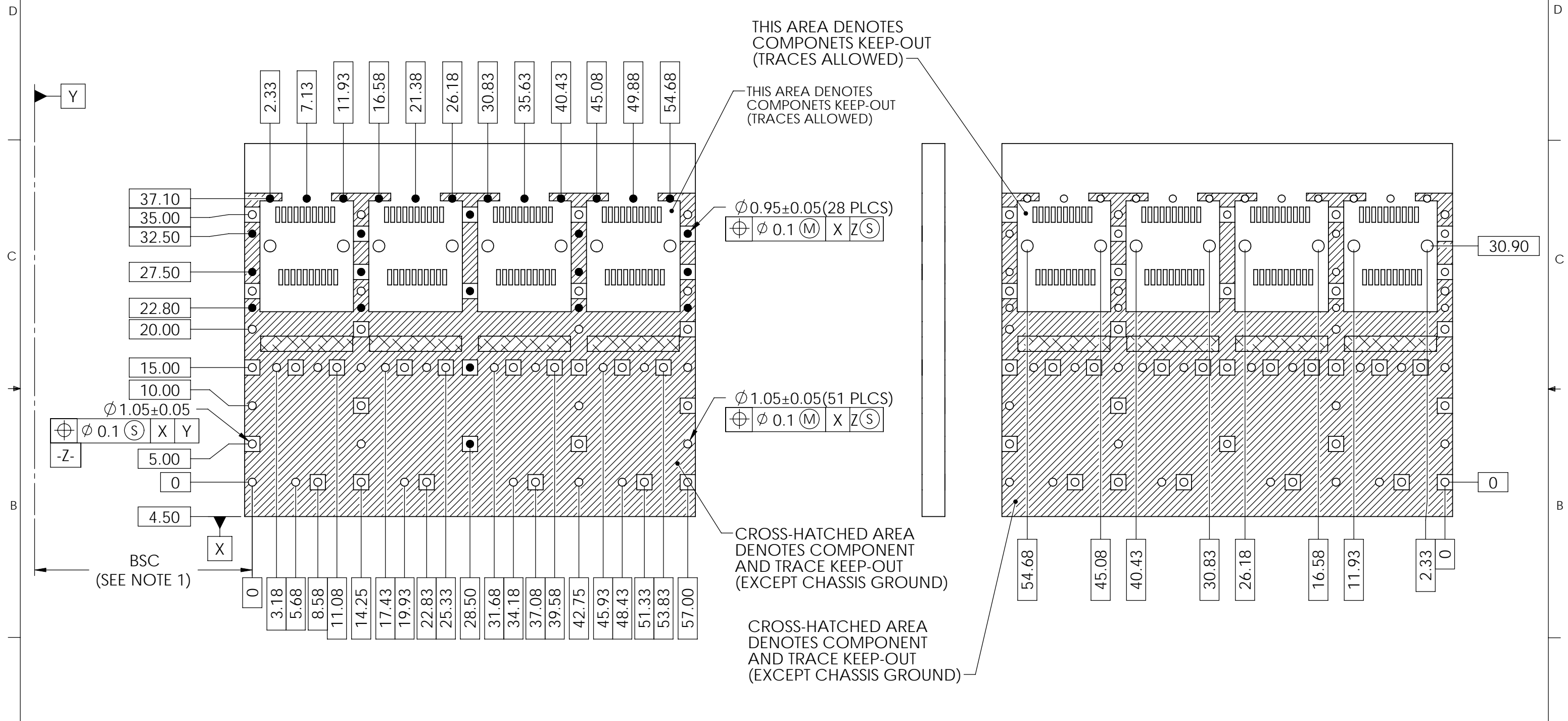
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|  |                           |               |   |
|--|---------------------------|---------------|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:<br><br>DECIMALS      ANGLES<br>X.X ± 0.38      ± 1°<br>X.XX ± 0.25<br><br>MATERIAL AND FINISH<br>SEE NOTE 1<br><br>REF.<br><br>CODE IDENT. NO.    03554 | <b>APPROVALS</b>          | <b>DATE</b>   | <b>Amphenol Canada Corp.</b><br><br>TITLE<br><br><b>1XN SFP+ CAGE ASSEMBLY<br/>         WITH ELASTOMERIC GASKET</b> |
|  | DRAWN ChigowX             | MAR04/09      |   |
|  | DESIGNED                  |               |   |
|  | CHECKED J.SI              | MAR26/09      |   |
|  | QA APPD                   |               |   |
|  | IE APPD                   |               |   |
|  | DWG APPD A.G.             | MAR26/09      |   |
| SIZE A3  | DWG. NO. P-U77-AX41M-X081 | REV. C        |   |
| SCALE 1:1  | PROJECT                   | SHEET 7 OF 10 |   |

- NOTES:  
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.  
 2. PADS AND VIAS ARE CHASSIS GROUND.  
 3. THRU-HOLES, PLATING OPTIONAL.  
 4. SEE DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

| REVISIONS |         |                           |          |          |
|-----------|---------|---------------------------|----------|----------|
| REV.      | ECN/E-R | DESCRIPTION               | DATE     | APPROVED |
| A         |         | PROPOSAL                  | MAR26/09 |          |
| B         |         | UPDATED                   | JUL14/09 |          |
| C         |         | B-B APPLICATION SPECIFIED | AUG14/09 |          |



**RECOMMENDED PCB DESIGN  
 FOR BELLY TO BELLY MOUNTING  
 (P/N U77-A441M-X081)**

**DO NOT SCALE DRAWING**

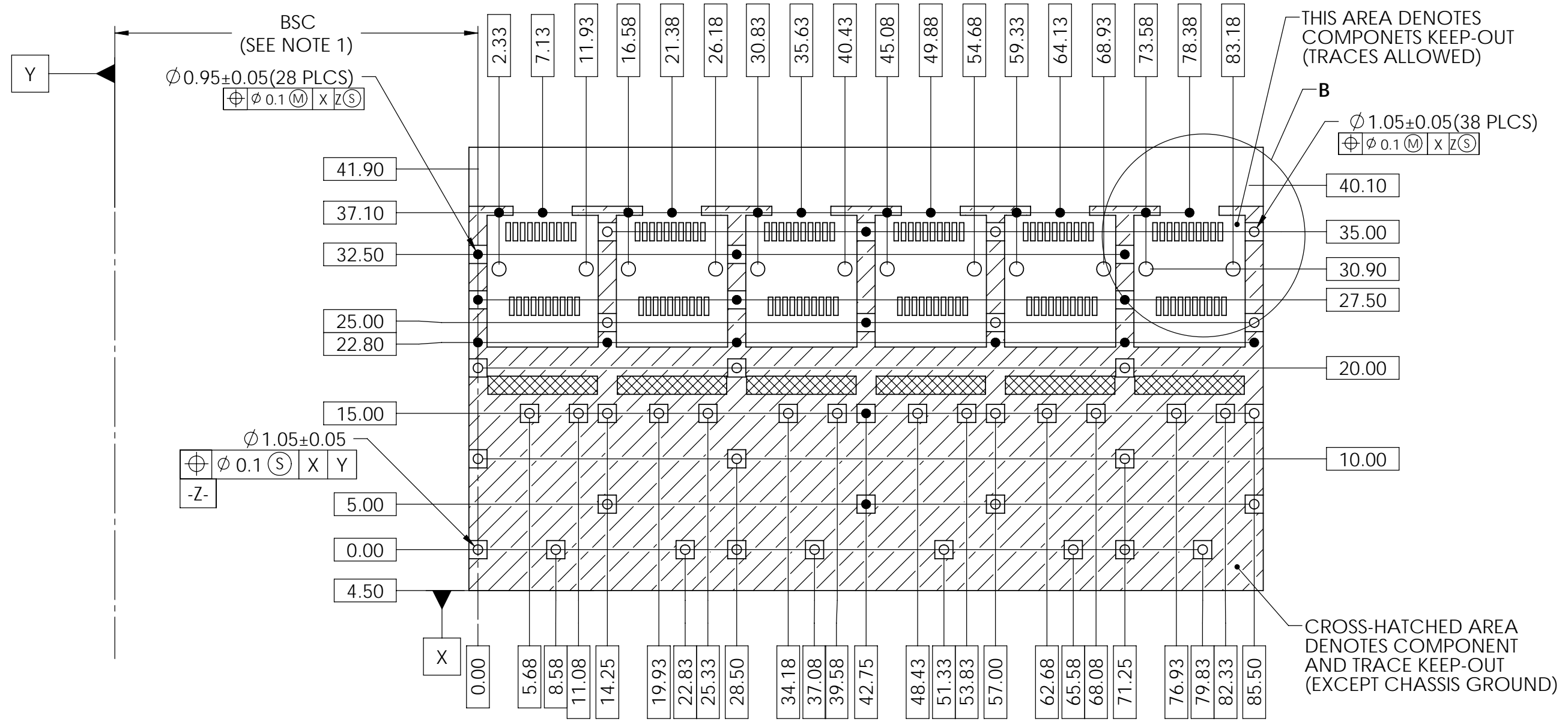
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|   |                  |             |   |
|---|------------------|-------------|---|
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|   | DRAWN: ChigowX   | MAR04/09    |   |
| MATERIAL AND FINISH<br>SEE NOTE 1   | CHECKED: J.SI    | MAR26/09    | <b>1XN SFP+ CAGE ASSEMBLY<br/>WITH ELASTOMERIC GASKET</b> |
|   | QA APPD:         |             |   |
| REF:  | IE APPD:         |             | SIZE: A3  |
| CODE IDENT. NO: 03554   | DWG APPD: A.G.   | MAR26/09    | DWG. NO: P-U77-AX41M-X081                                 |
|   |                  |             | SCALE: 2:1  |
|   |                  |             | PROJECT: 8 OF 10  |



- NOTES:  
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.  
 2. PADS AND VIAS ARE CHASSIS GROUND.  
 3. THRU-HOLES, PLATING OPTIONAL.  
 4. SEE DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

| REVISIONS |         |                           |          |          |
|-----------|---------|---------------------------|----------|----------|
| REV.      | ECN/E-R | DESCRIPTION               | DATE     | APPROVED |
| A         |         | PROPOSAL                  | MAR26/09 |          |
| B         |         | UPDATED                   | JUL14/09 |          |
| C         |         | B-B APPLICATION SPECIFIED | AUG14/09 |          |



**RECOMMENDED PCB DESIGN  
 FOR SINGLE SIDE MOUNTING  
 (P/N U77-A641M-X081)**

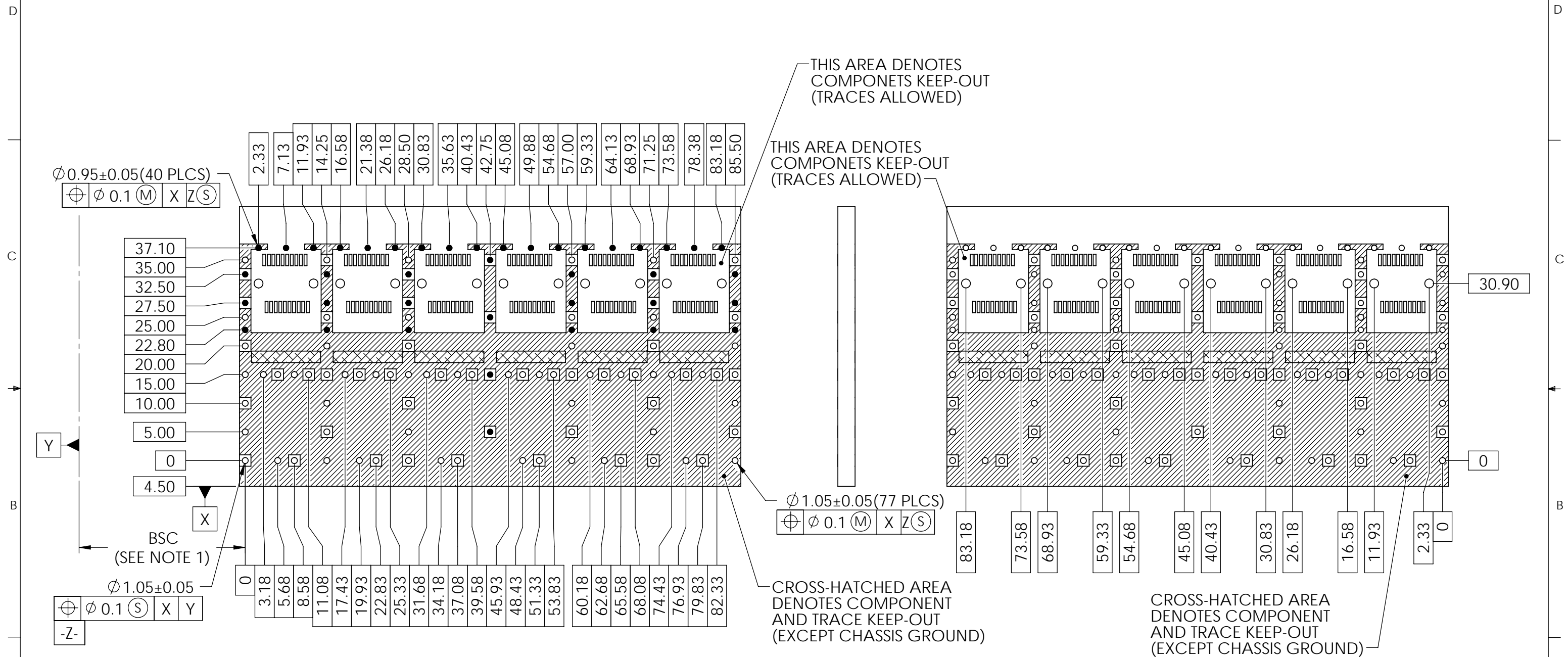
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|   |                           |   |  |   |
|---|---------------------------|---|--|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:<br>DECIMALS ANGLES<br>X.X ± 0.38 ± 1°<br>X.XX ± 0.25 |                           | APPROVALS<br>DRAWN ChigowX<br>DESIGNED<br>CHECKED J.SI<br>QA APPD<br>IE APPD<br>DWG APPD A.G. | DATE<br>MAR04/09<br>MAR26/09<br>MAR26/09 | Amphenol Canada Corp.<br>TITLE<br><b>1XN SFP+ CAGE ASSEMBLY<br/>WITH ELASTOMERIC GASKET</b> |
| MATERIAL AND FINISH<br>SEE NOTE 1   | REF.                      | IE APPD   | SCALE 1:1                                |   |
| CODE IDENT. NO. 03554   | DWG. NO. P-U77-AX41M-X081 | PROJECT   | SHEET 9 OF 10                            | REV. C  |

- NOTES:  
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.  
 2. PADS AND VIAS ARE CHASSIS GROUND.  
 3. THRU-HOLES, PLATING OPTIONAL.  
 4. SEE DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

| REVISIONS |         |                           |          |          |
|-----------|---------|---------------------------|----------|----------|
| REV.      | ECN/E-R | DESCRIPTION               | DATE     | APPROVED |
| A         |         | PROPOSAL                  | MAR26/09 |          |
| B         |         | UPDATED                   | JUL14/09 |          |
| C         |         | B-B APPLICATION SPECIFIED | AUG14/09 |          |



**RECOMMENDED PCB DESIGN  
 FOR BELLY TO BELLY MOUNTING  
 (P/N U77-A641M-X081)**

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|   |                  |             |   |                          |
|---|------------------|-------------|---|--------------------------|
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|   | DRAWN ChigowX    | MAR04/09    |   |                          |
|   | DESIGNED         |             | <b>1XN SFP+ CAGE ASSEMBLY<br/>WITH ELASTOMERIC GASKET</b> |                          |
|   | CHECKED J.SI     | MAR26/09    |   |                          |
| MATERIAL AND FINISH<br>SEE NOTE 1   | QA APPD          |             | SIZE A3   | DWG. NO P-U77-AX41M-X081 |
| REF.  | IE APPD          |             | SCALE 3:2   | PROJECT                  |
| CODE IDENT. NO. 03554   | DWG APPD A.G.    | MAR26/09    | SHEET 10 OF 10  | REV. C                   |

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