

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

MATERIAL:

CAGE:
COPPER ALLOY

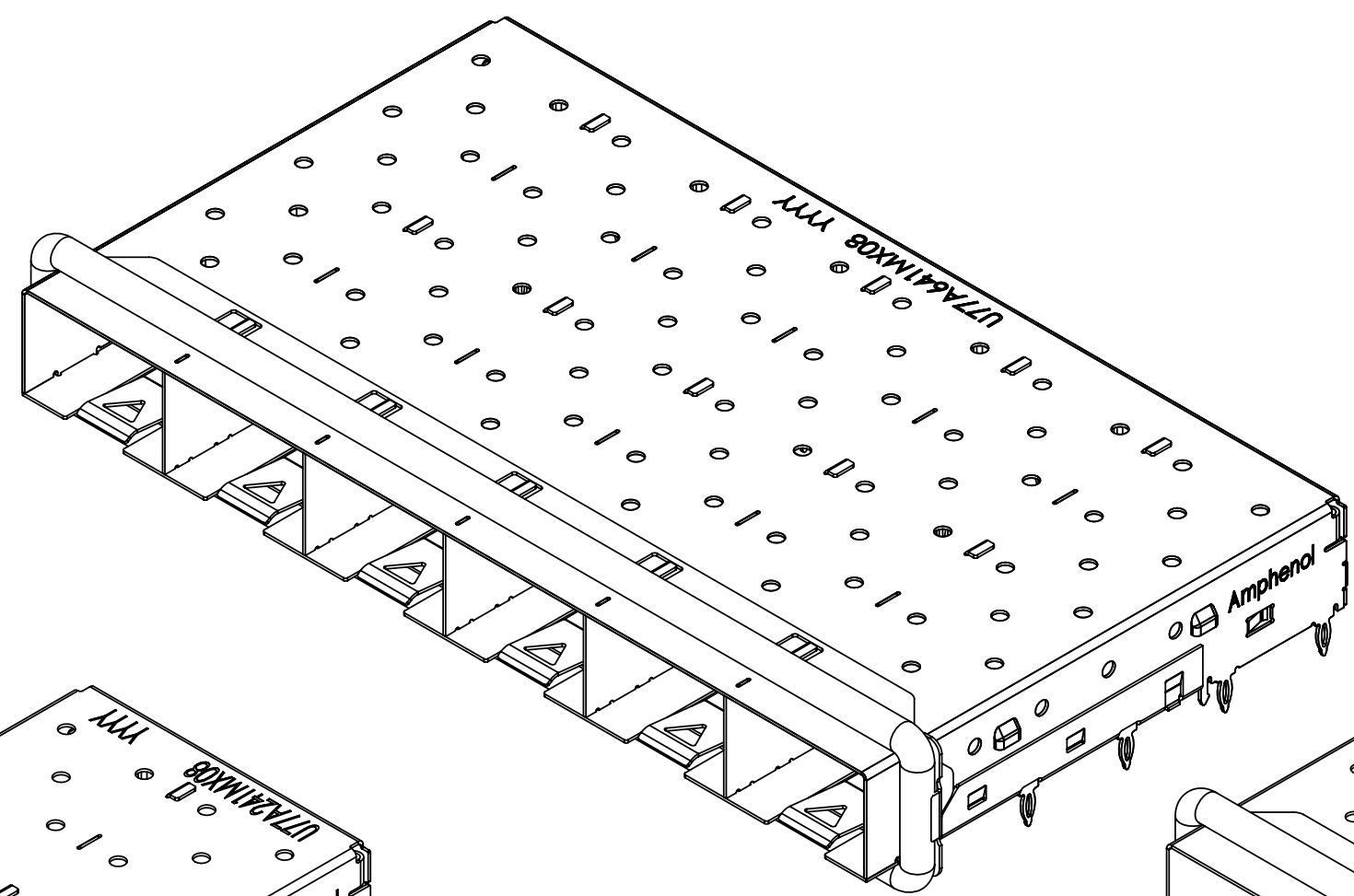
PLATING OPTION X=2:
2.54um MIN. NICKEL

PLATING OPTION X=3:
3.81um MIN. MATTE TIN
OVER 1.27um MIN. NICKEL.

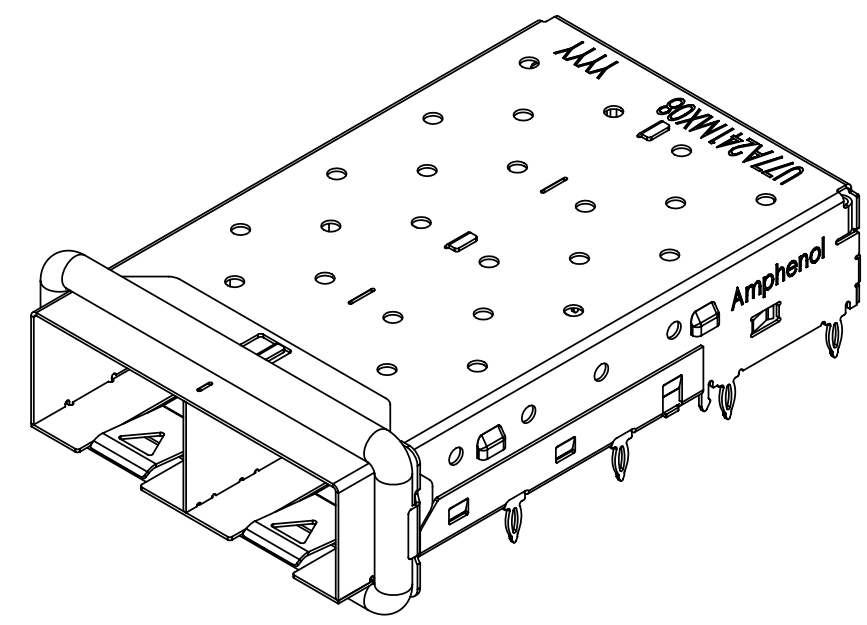
GASKET:
CONDUCTIVE ELASTOMER
FLAMMABILITY RATING
UL94-V0

PACKAGING:
TRAY PACKAGING

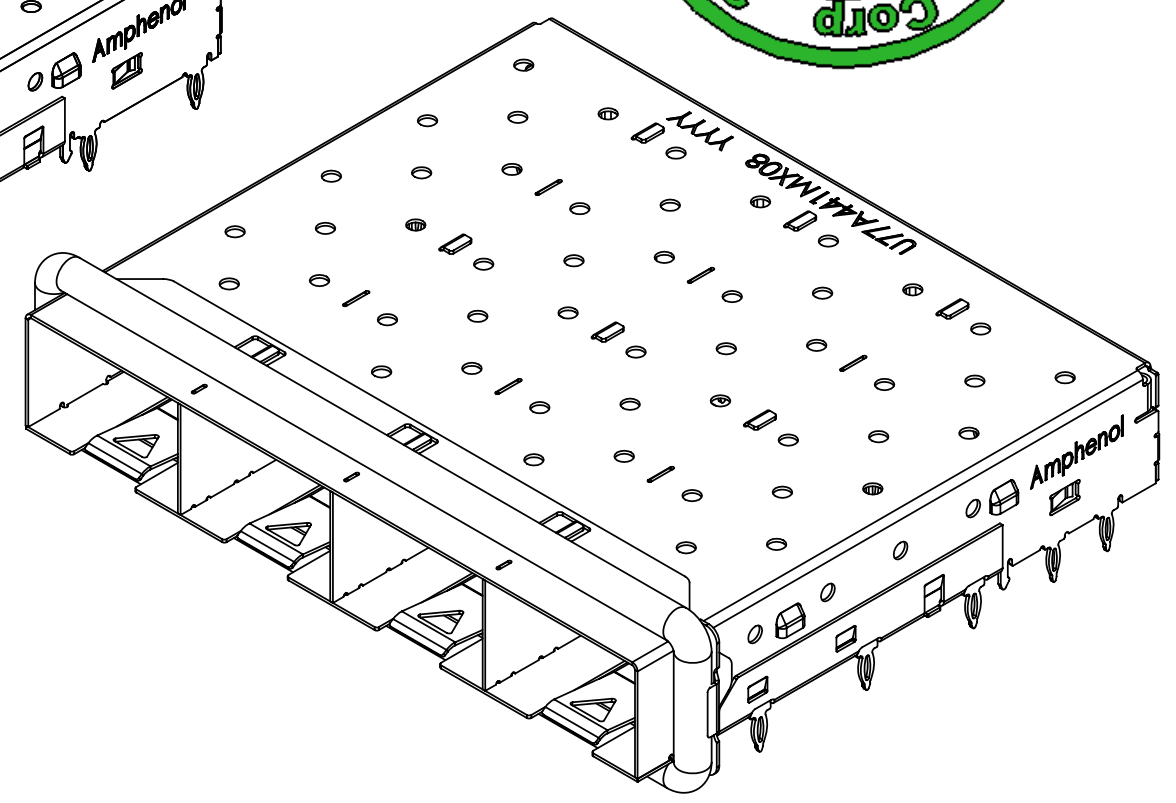
TEMPERATURE RANGE:
-40C TO +85C



P/N: U77-A441M-X081 SHOWN



P/N: U77-A241M-X081 SHOWN



P/N: U77-A641M-X081 SHOWN

AMPHENOL PART NUMBER CONFIGURATION

U77 - A X 4 1 M - X 0 8 1

- PACKAGING
1 = TRAY PACKAGING
- PLATING
2 = NICKEL PLATING
3 = MATTE TIN PLATING
- NUMBER OF PORTS
2 = 2 PORTS
4 = 4 PORTS
6 = 6 PORTS

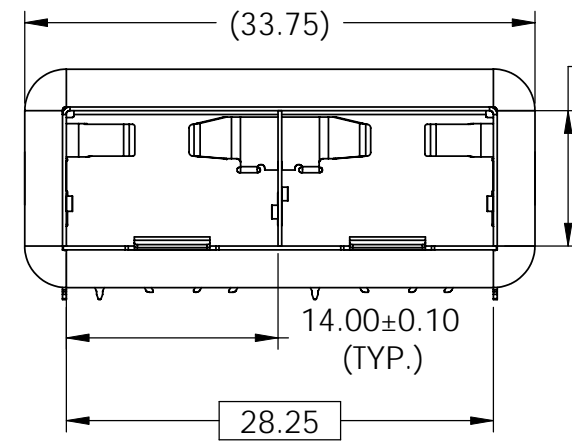
NOTE:
PRODUCT COMPLIES WITH SFF 8433 SPEC.

DO NOT SCALE DRAWING

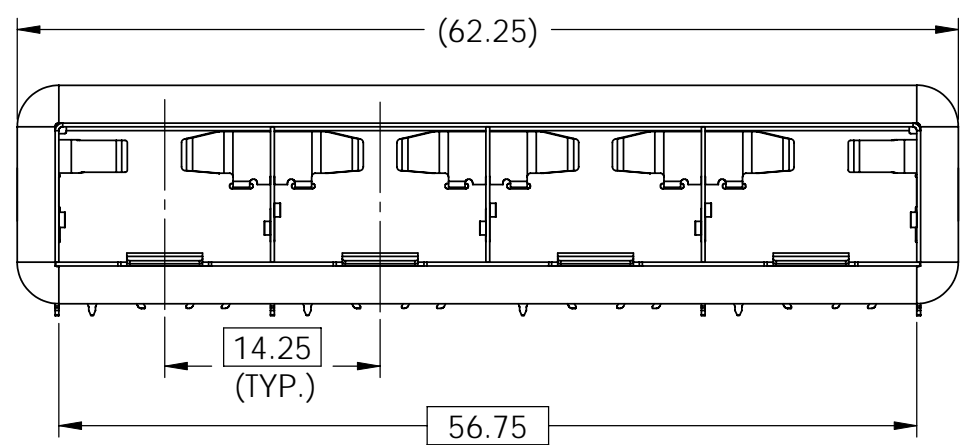
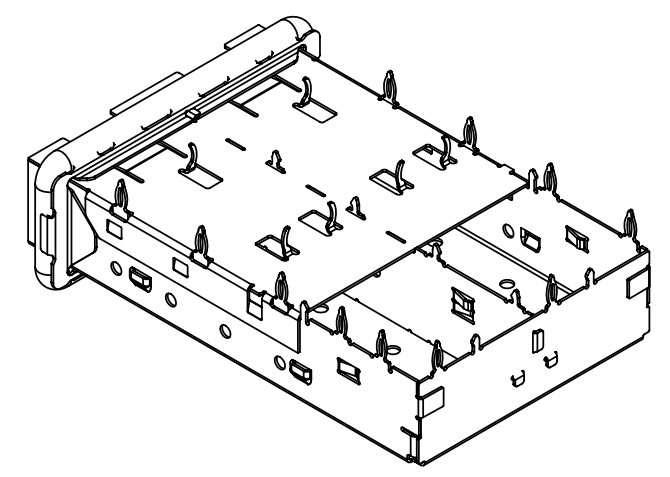
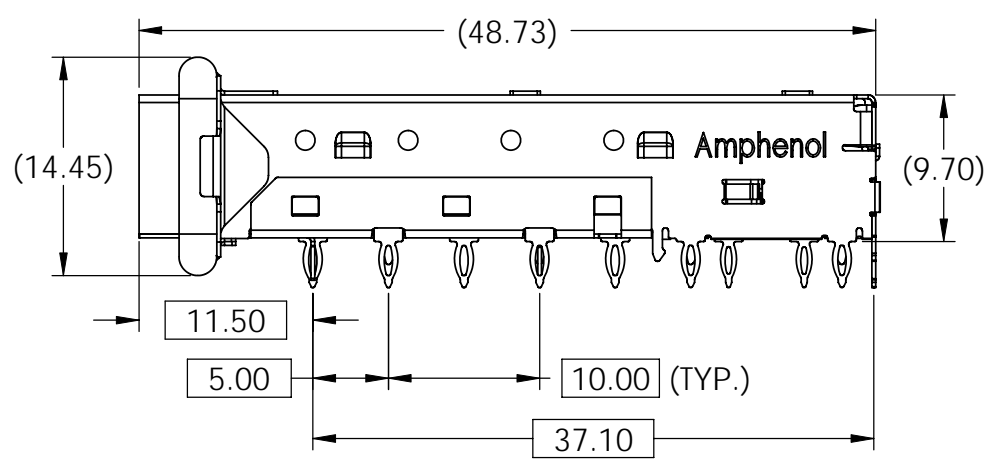
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE	Amphenol Canada Corp.	
DECIMALS X.X ± 0.38 X.XX ± 0.25	ANGLES ± 1°	DRAWN ChigowX	DESIGNED	MAR04/09	TITLE	
MATERIAL AND FINISH SEE NOTE 1		CHECKED J.SI	QA APPD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

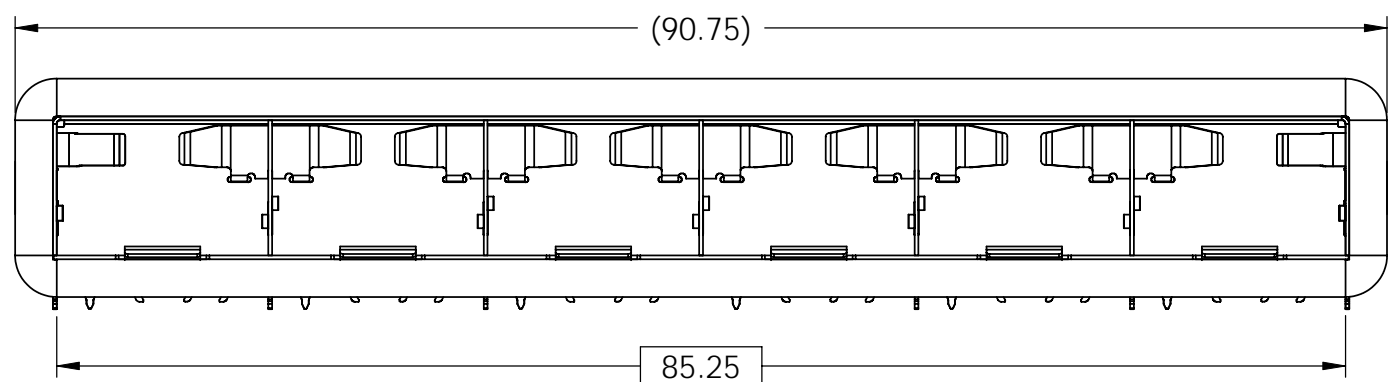
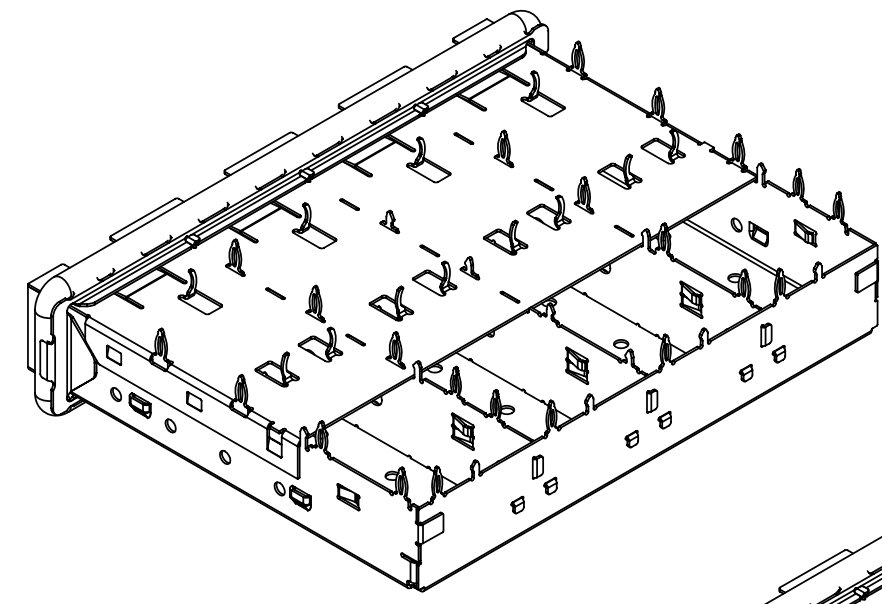
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C		B-B APPLICATION SPECIFIED	AUG14/09	



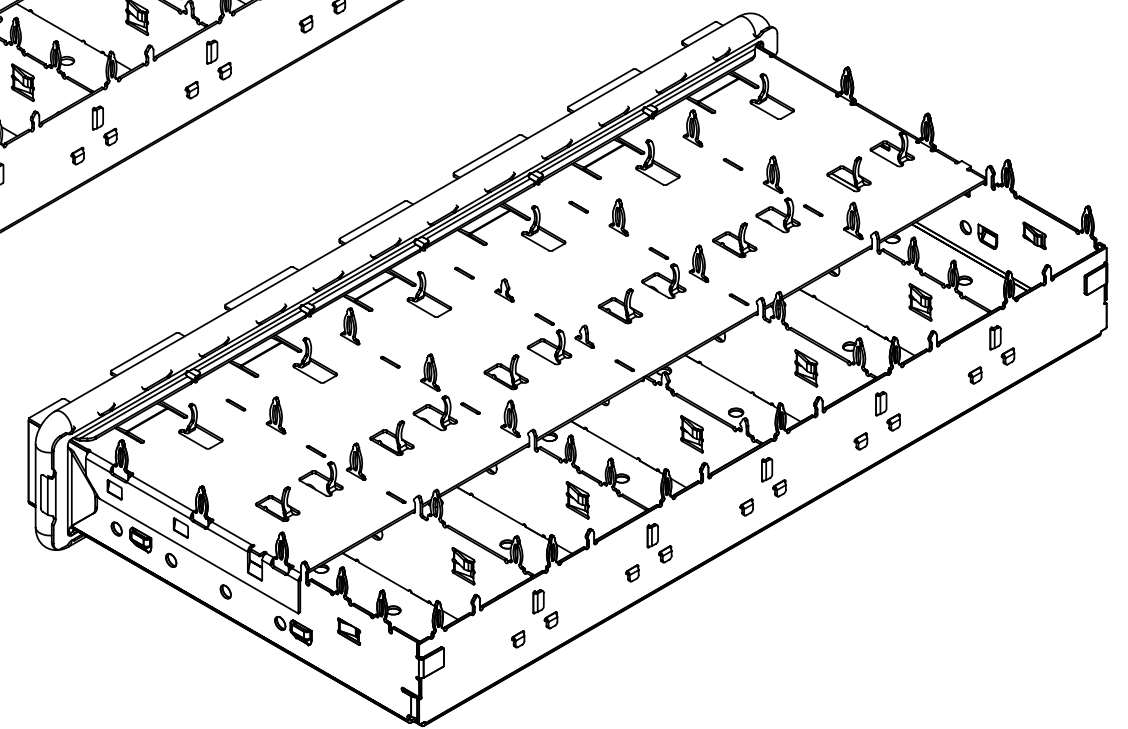
U77-A241M-X081



U77-A441M-X081



U77-A641M-X081



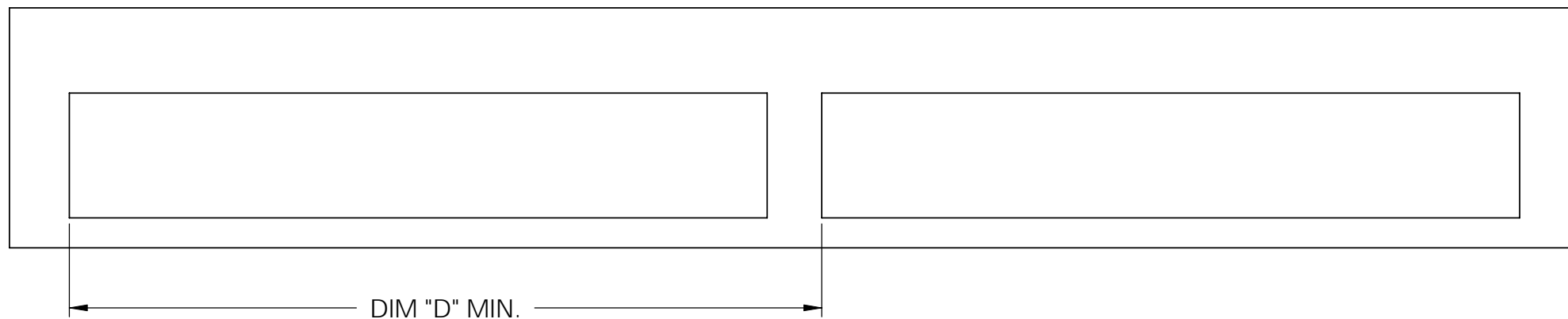
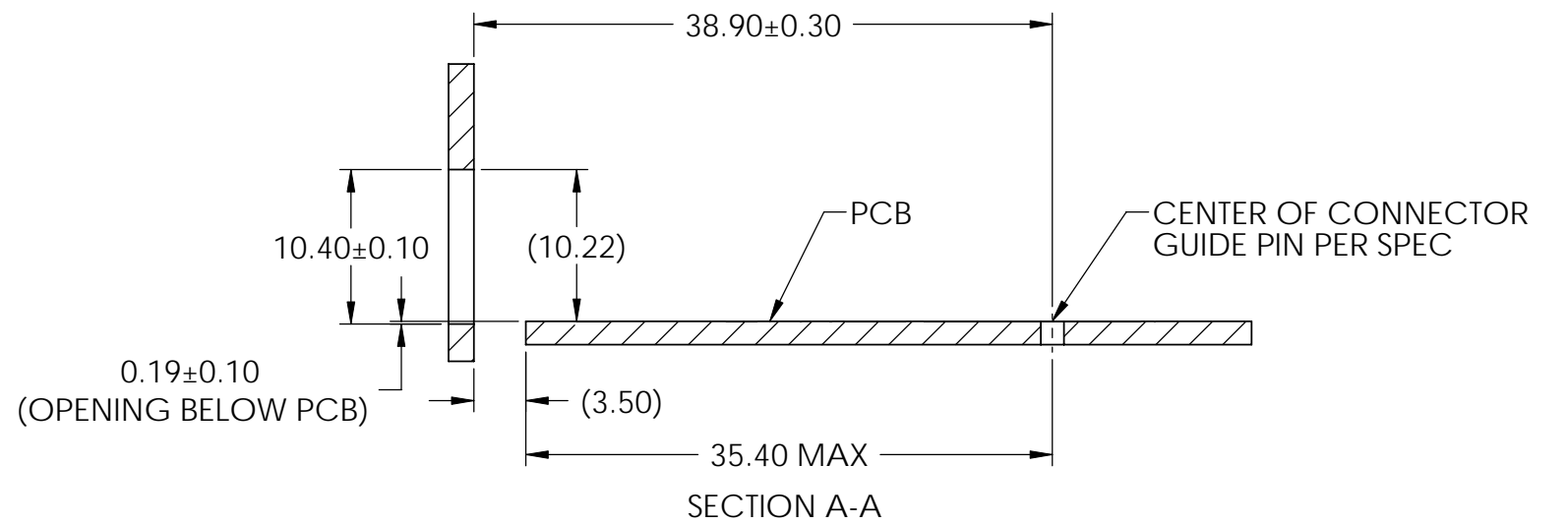
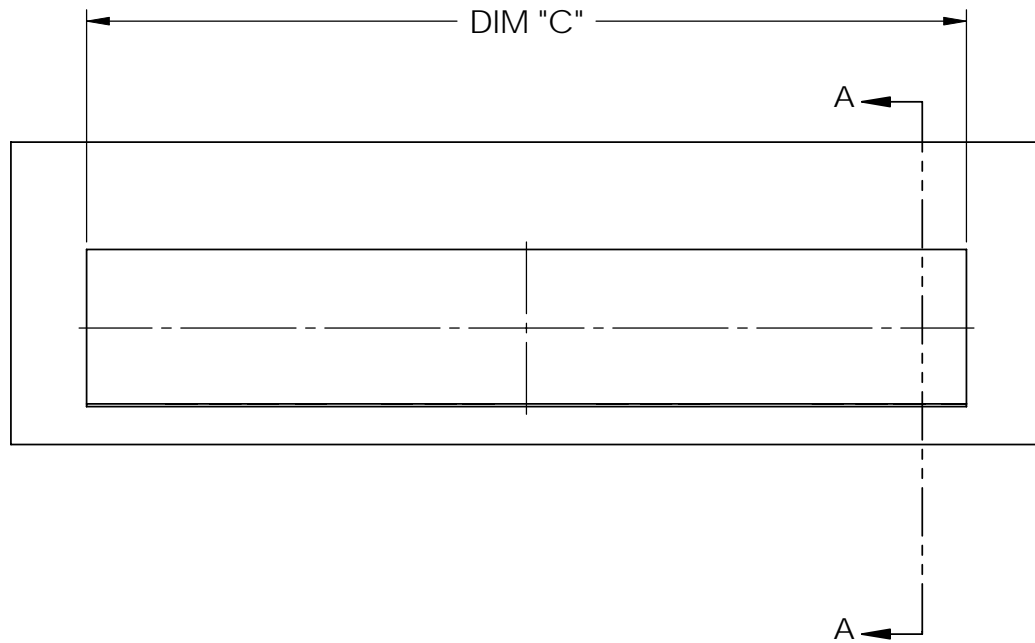
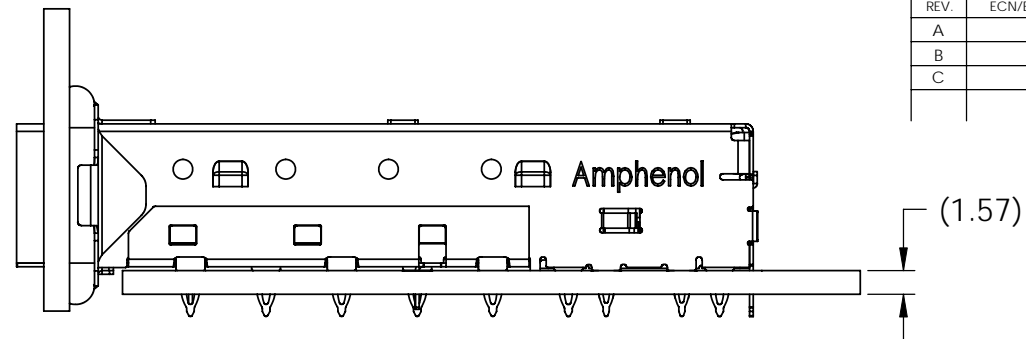
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DECIMALS X.X ± 0.38 X.XX ± 0.25	ANGLES ± 1°	DRAWN ChigowX	DESIGNED	MAR04/09			
MATERIAL AND FINISH SEE NOTE 1		CHECKED J.SI	QA APPD	MAR26/09		SIZE A3	DWG. NO P-U77-AX41M-X081
REF.		IE APPD				SCALE 2:1	PROJECT
CODE IDENT. NO.	03554	DWG APPD A.G.		MAR26/09			SHEET 2 OF 10

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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

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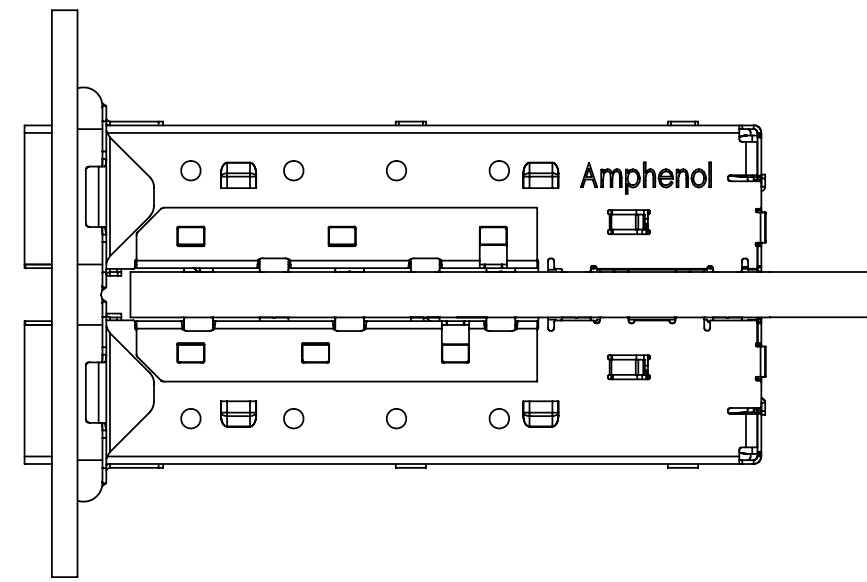


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE		Amphenol Canada Corp.	
DECIMALS	ANGLES	DRAWN ChigowX		MAR04/09			
X.X ± 0.38	± 1°	DESIGNED				TITLE 1XN SFP+ CAGE ASSEMBLY WITH ELASTOMERIC GASKET	
X.XX ± 0.25		CHECKED J.SI		MAR26/09			
MATERIAL AND FINISH		QA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

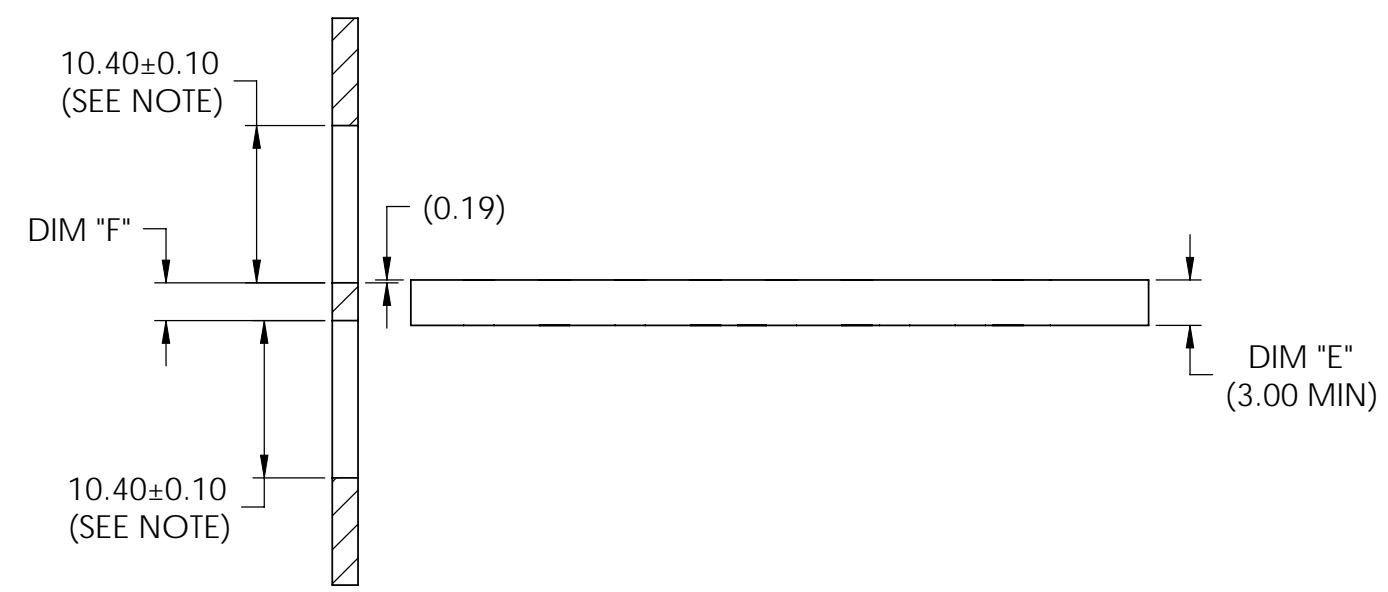
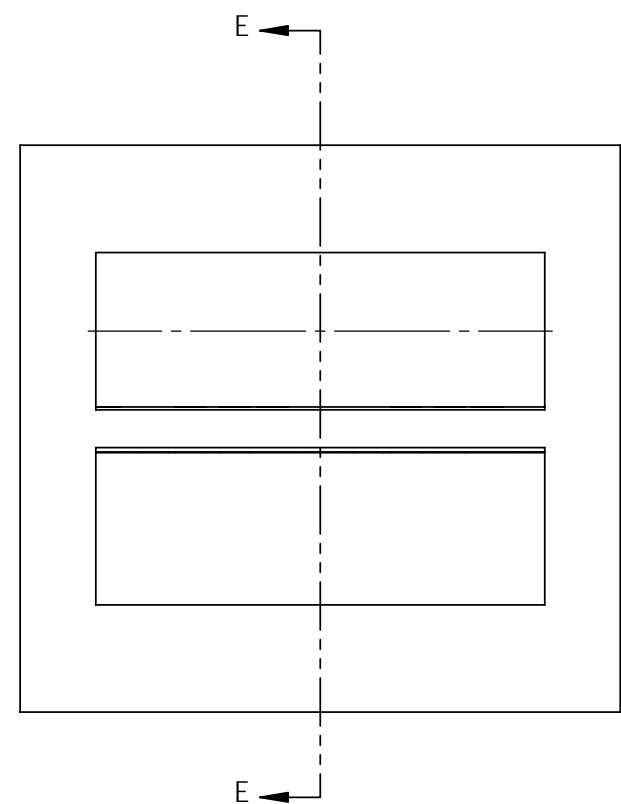
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NOTE:
 PANEL CUTOUT SIZES PER SFF 8433 SPEC. FOR BELLY TO BELLY MOUNTING, DIM "E" (PCB THICKNESS) IS 3.0 mm MIN. DIM "F" RELATED TO DIM "E". FOR DIM "F" = DIM "E" - 0.44 mm. THE PANEL CUTOUT 10.40 mm MIGHT BE INCREASED UP TO 10.80 mm IN ORDER TO ACCOMMODATE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



SECTION E-E

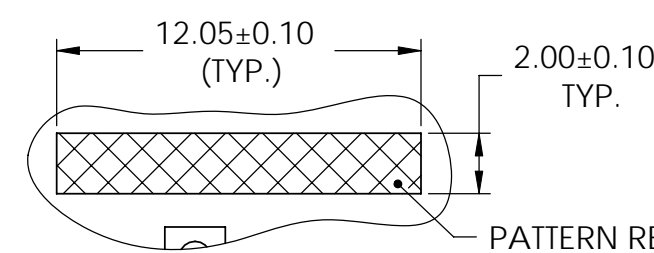
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS X.X ± 0.38 X.XX ± 0.25		APPROVALS		DATE		Amphenol Canada Corp.	
ANGLES ± 1°		DRAWN ChigowX		MAR04/09			
MATERIAL AND FINISH SEE NOTE 1		DESIGNED				1XN SFP+ CAGE ASSEMBLY WITH ELASTOMERIC GASKET	
REF.		CHECKED J.SI		MAR26/09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

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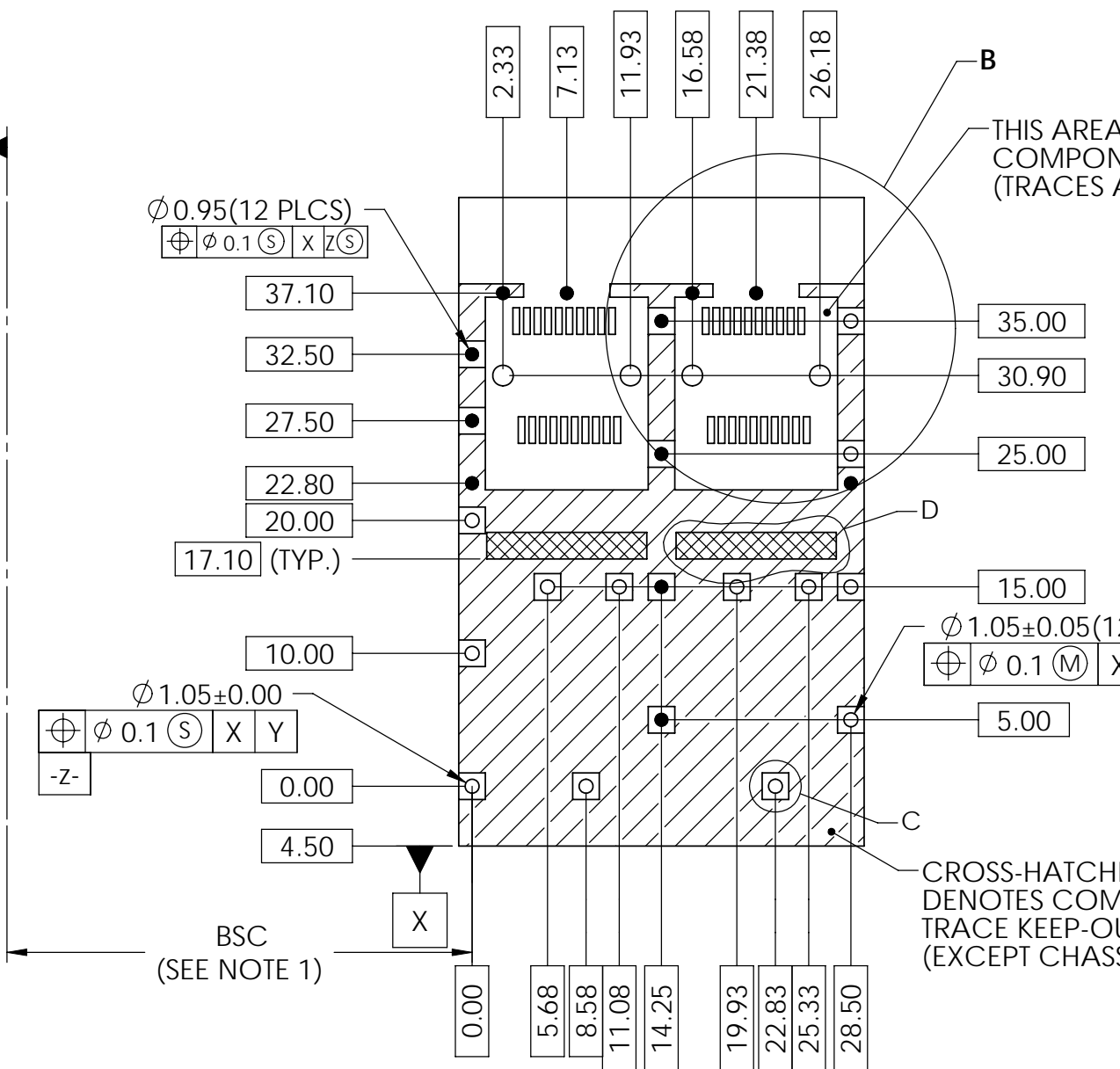
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- NOTES:
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
 2. PADS AND VIAS ARE CHASSIS GROUND.
 3. THRU-HOLES, PLATING OPTIONAL.
 4. SEE DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

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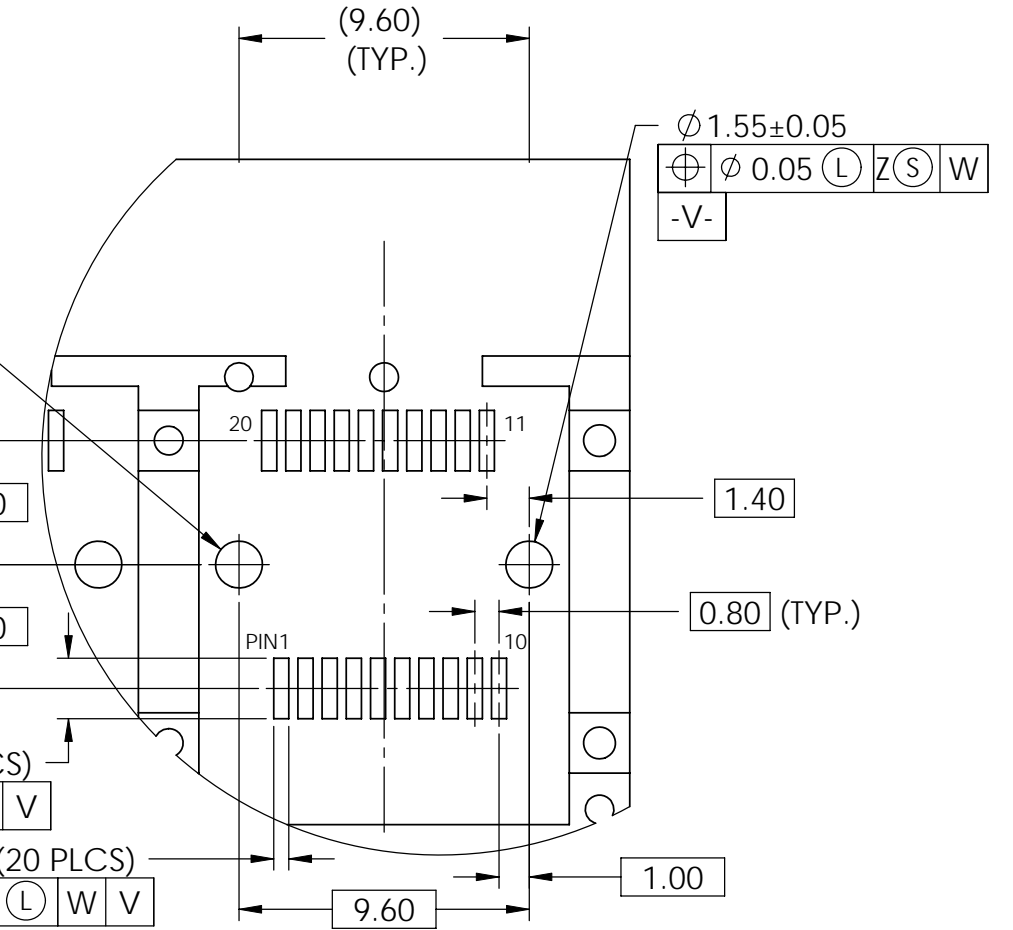


DETAIL D
SCALE 4 : 1

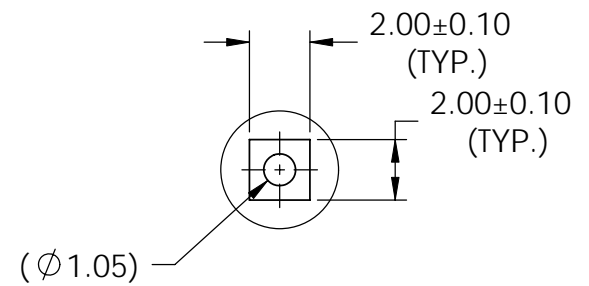


THIS AREA DENOTES
COMPONENTS KEEP-OUT
(TRACES ALLOWED)

CROSS-HATCHED AREA
DENOTES COMPONENT AND
TRACE KEEP-OUT
(EXCEPT CHASSIS GROUND)



DETAIL B
SCALE 4 : 1



DETAIL C
SCALE 4 : 1

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

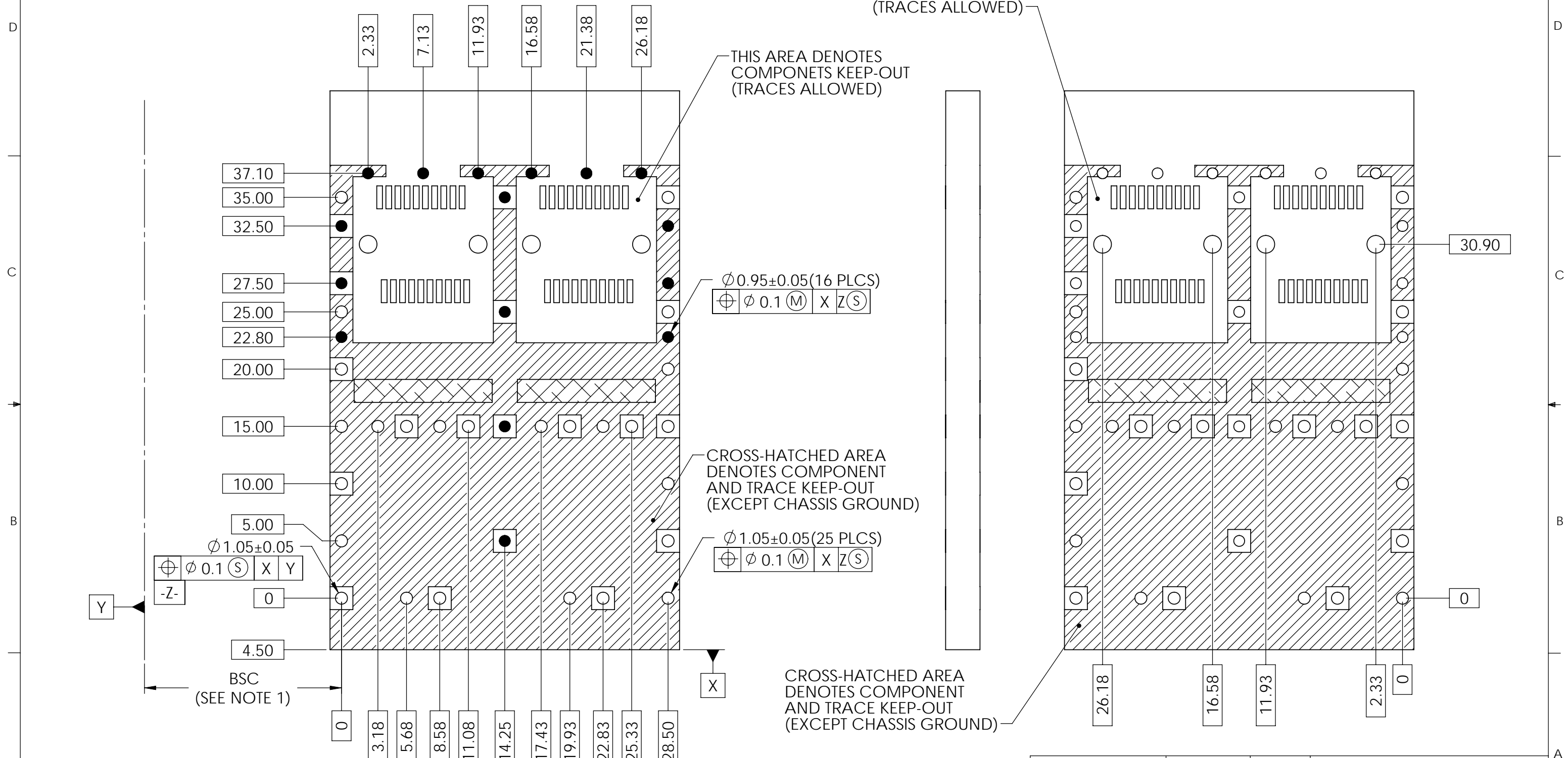
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS X.X ± 0.38 X.XX ± 0.25 MATERIAL AND FINISH SEE NOTE 1 REF. CODE IDENT. NO. 03554	APPROVALS	DATE	Amphenol Canada Corp.	
	DRAWN ChigowX DESIGNED CHECKED J.SI QA APPD IE APPD DWG APPD A.G.	MAR04/09 MAR26/09 MAR26/09		
	SIZE A3 SCALE 2:1	DWG. NO. P-U77-AX41M-X081 PROJECT	REV. C 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				
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C		B-B APPLICATION SPECIFIED	AUG14/09	



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

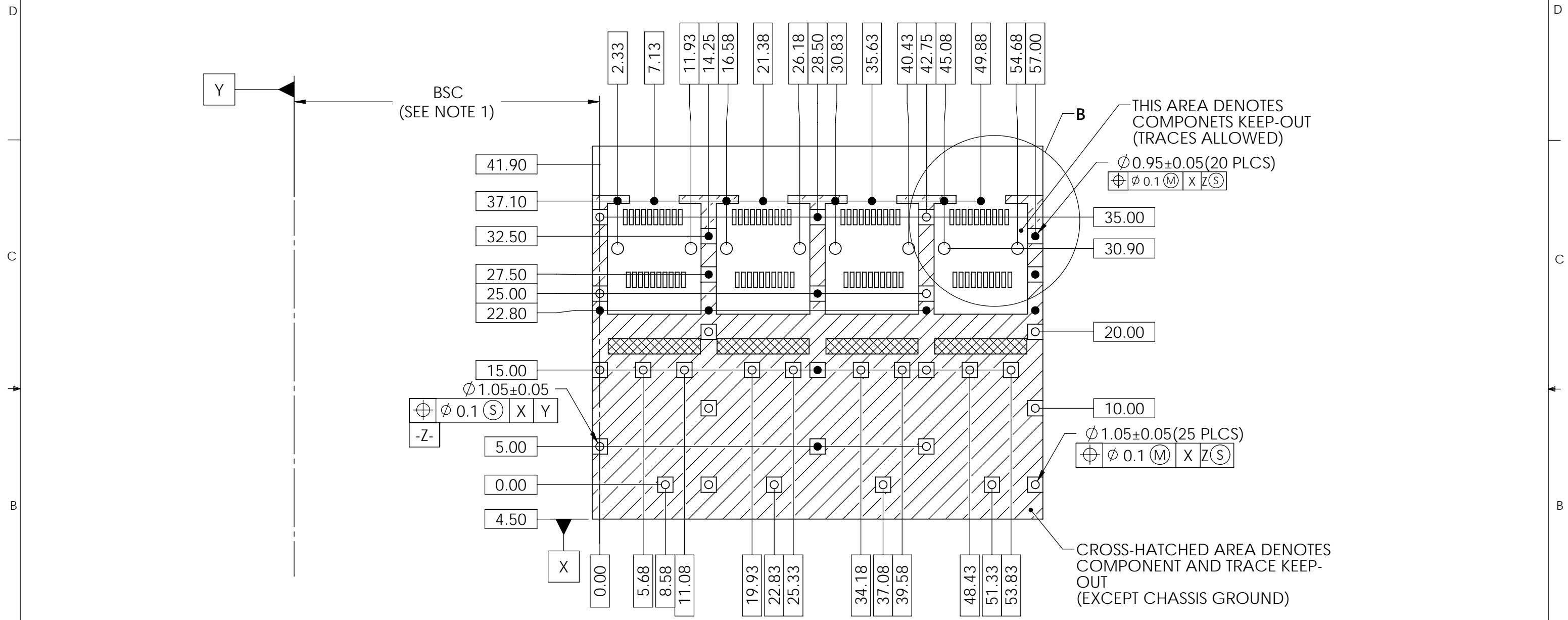
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	DRAWN: ChigowX	MAR04/09		
	CHECKED: J.SI	MAR26/09	1XN SFP+ CAGE ASSEMBLY WITH ELASTOMERIC GASKET	
	QA APPD			
MATERIAL AND FINISH: SEE NOTE 1	IE APPD		SIZE: A3	DWG. NO: P-U77-AX41M-X081
REF.	DWG APPD: A.G.	MAR26/09	SCALE: 3:1	PROJECT
CODE IDENT. NO: 03554				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				
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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)**

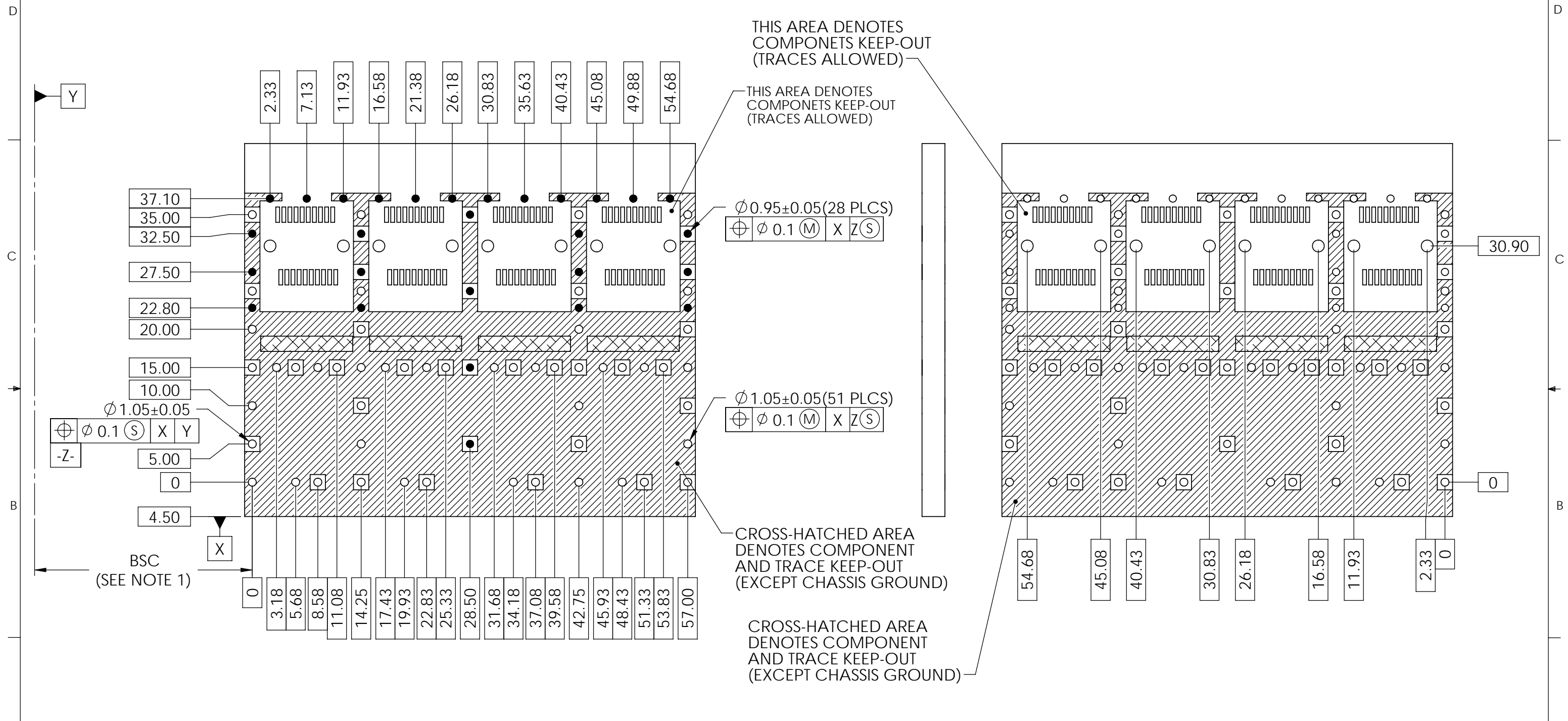
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	DRAWN ChigowX	MAR04/09	
	DESIGNED		
	CHECKED J.SI	MAR26/09	
	QA APPD		
	IE APPD		
	DWG APPD A.G.	MAR26/09	

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 4. SEE DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

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C		B-B APPLICATION SPECIFIED	AUG14/09	



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

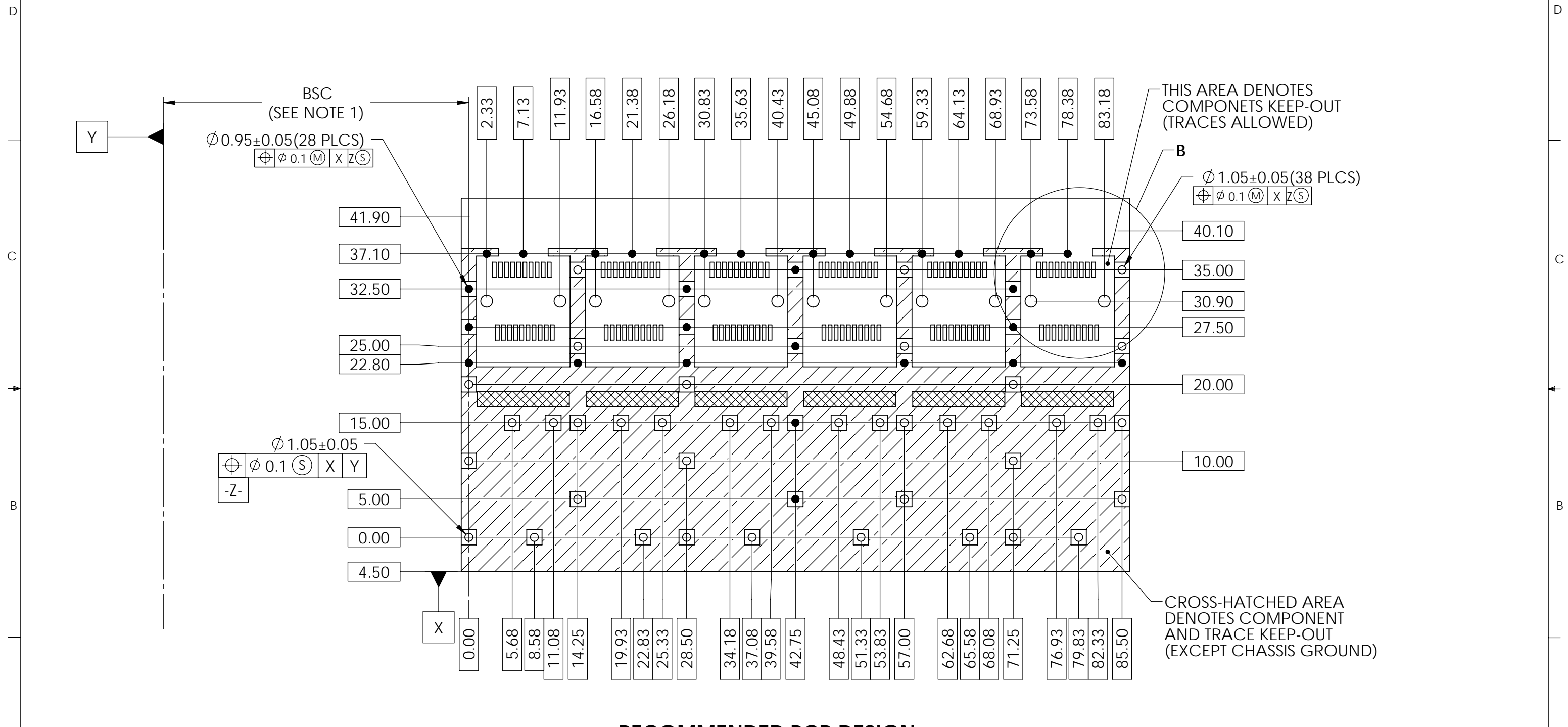
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	DRAWN: ChigowX	MAR04/09	
	CHECKED: J.SI	MAR26/09	
	QA APPD:		
MATERIAL AND FINISH: SEE NOTE 1	IE APPD:		SIZE: A3
REF:	DWG APPD: A.G.	MAR26/09	DWG. NO: P-U77-AX41M-X081
CODE IDENT. NO: 03554	SCALE: 2:1	PROJECT:	REV: C
			SHEET: 8 OF 10

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

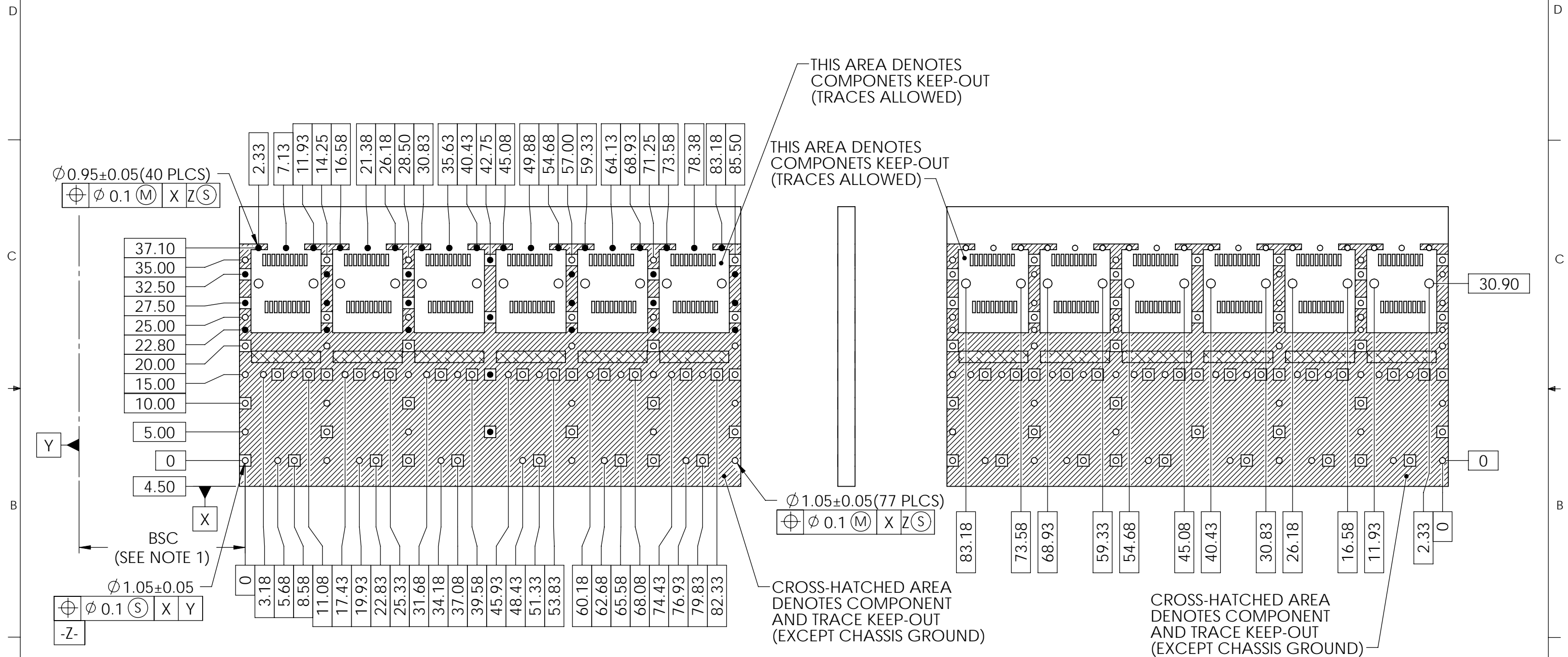
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	DRAWN ChigowX DESIGNED	MAR04/09		
	CHECKED J.SI QA APPD	MAR26/09	1XN SFP+ CAGE ASSEMBLY WITH ELASTOMERIC GASKET	
	IE APPD		SIZE A3	DWG. NO. P-U77-AX41M-X081
	DWG APPD A.G.	MAR26/09	SCALE 1:1	PROJECT SHEET 9 OF 10

- NOTES:
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	DRAWN ChigowX	MAR04/09		
	DESIGNED		TITLE	
	CHECKED J.SI	MAR26/09	1XN SFP+ CAGE ASSEMBLY WITH ELASTOMERIC GASKET	
	QA APPD		SIZE A3	DWG. NO. P-U77-AX41M-X081
	IE APPD		SCALE 3:2	PROJECT
	DWG APPD A.G.	MAR26/09	SHEET 10 OF 10	REV. C

Mouser Electronics

Authorized Distributor

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[U77A241M2081](#) [U77A441M2081](#) [U77A641M2081](#)