



REVISIONS				
REV.	ECN/E-R	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR 26/09	
B		B-B APPLICATION ADDED	AUG 13/09	
C		PROPOSAL	MAR 15/12	

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.

PACKAGING:
TRAY PACKAGING

TEMPERATURE RANGE:
-40°C TO +85°C

P/N: U77-A661M-X081 SHOWN

P/N: U77-A461M-X081 SHOWN

AMPHENOL PART NUMBER CONFIGURATION

U77 - A X 61 M - X081

PACKAGING
1 = TRAY PACKAGING

PLATING
2 = NICKEL PLATING
3 = MATTE TIN PLATING

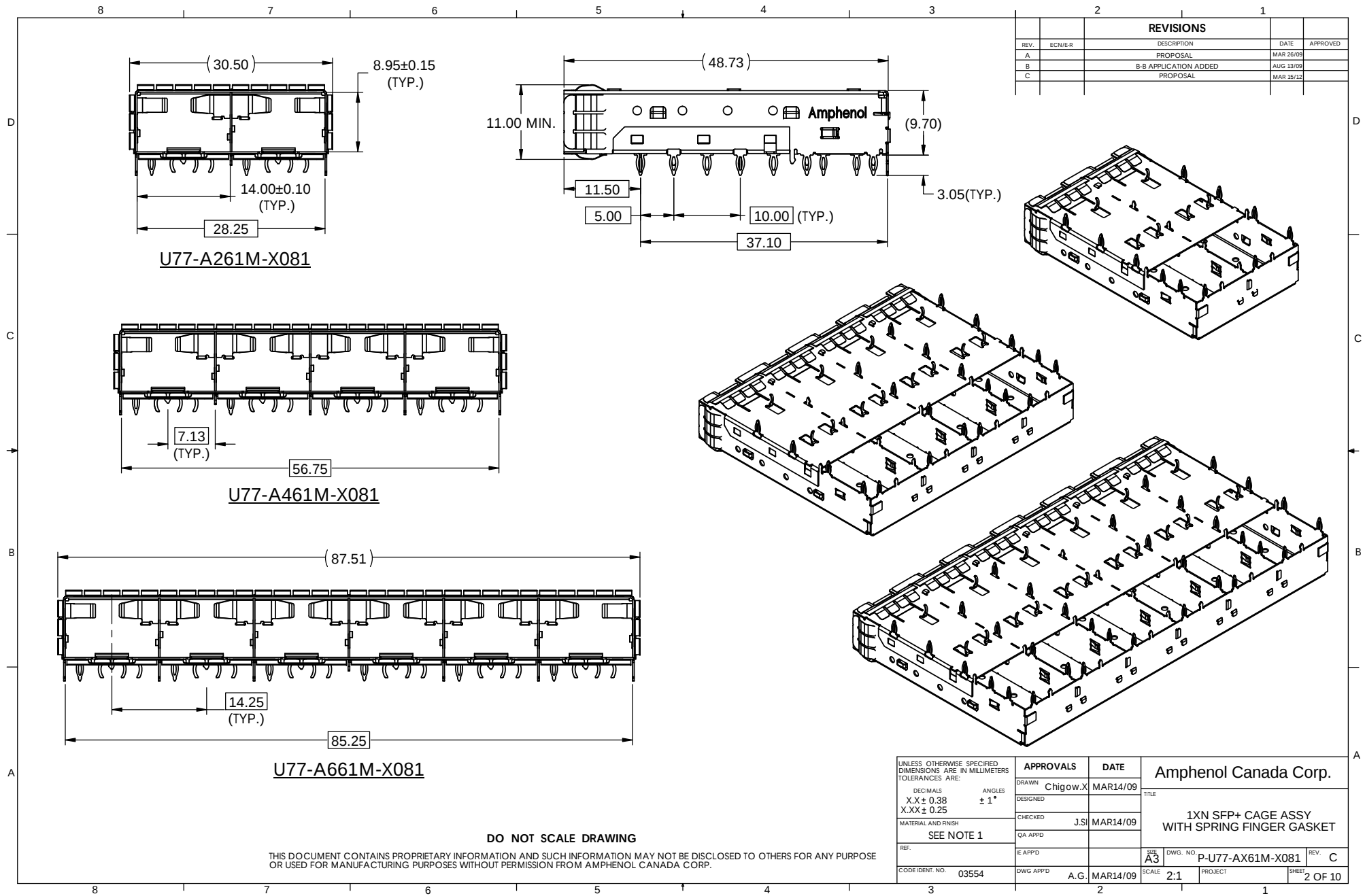
NUMBER OF PORTS
2 = 2 PORTS
4 = 4 PORTS
6 = 6 PORTS

P/N: U77-A261M-X081 SHOWN

DO NOT SCALE DRAWING

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.X ± 0.38 ± 1° X.XX ± 0.25 MATERIAL AND FINISH REF. CODE IDENT. NO. 03554		APPROVALS		DATE	Amphenol Canada Corp. TITLE 1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET SIZE DWG. NO. P-U77-AX61M-X081 REV. C A3 SCALE 2:1 PROJECT SHEET 1 OF 10	
		DRAWN	Chigow.X	MAR14/09		
		DESIGNED				
		CHECKED	J.SJ	MAR14/09		
SEE NOTE 1		QA APPD				
		E APPD				
		DWG APPD	A.G.	MAR14/09		



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		DRAWN Chigow.X		MAR14/09					
		DESIGNED							
		CHECKED J.SJ		MAR14/09		1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET			
MATERIAL AND FINISH		QA APPD							
SEE NOTE 1									
REF.		E APPD							
CODE IDENT. NO. 03554		DWG APPD A.G.		MAR14/09		SIZE A3	DWG. NO. P-U77-AX61M-X081	REV. C	
						SCALE 2:1	PROJECT	SHEET 2 OF 10	
2				2		1			

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8 7 6 5 4 3 2 1

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PART NUMBER DIM "C" DIM "D"

U77-A261M-X081	29.70	31.00
U77-A461M-X081	58.20	59.50
U77-A661M-X081	86.70	88.00

Amphenol

(1.57)

DIM "C"

A

10.40±0.10

(10.22)

PCB

CENTER OF CONNECTOR GUIDE PIN PER SPEC

0.19±0.10 (OPENING BELOW PCB)

(3.50)

35.40 MAX

SECTION A-A

38.90±0.30

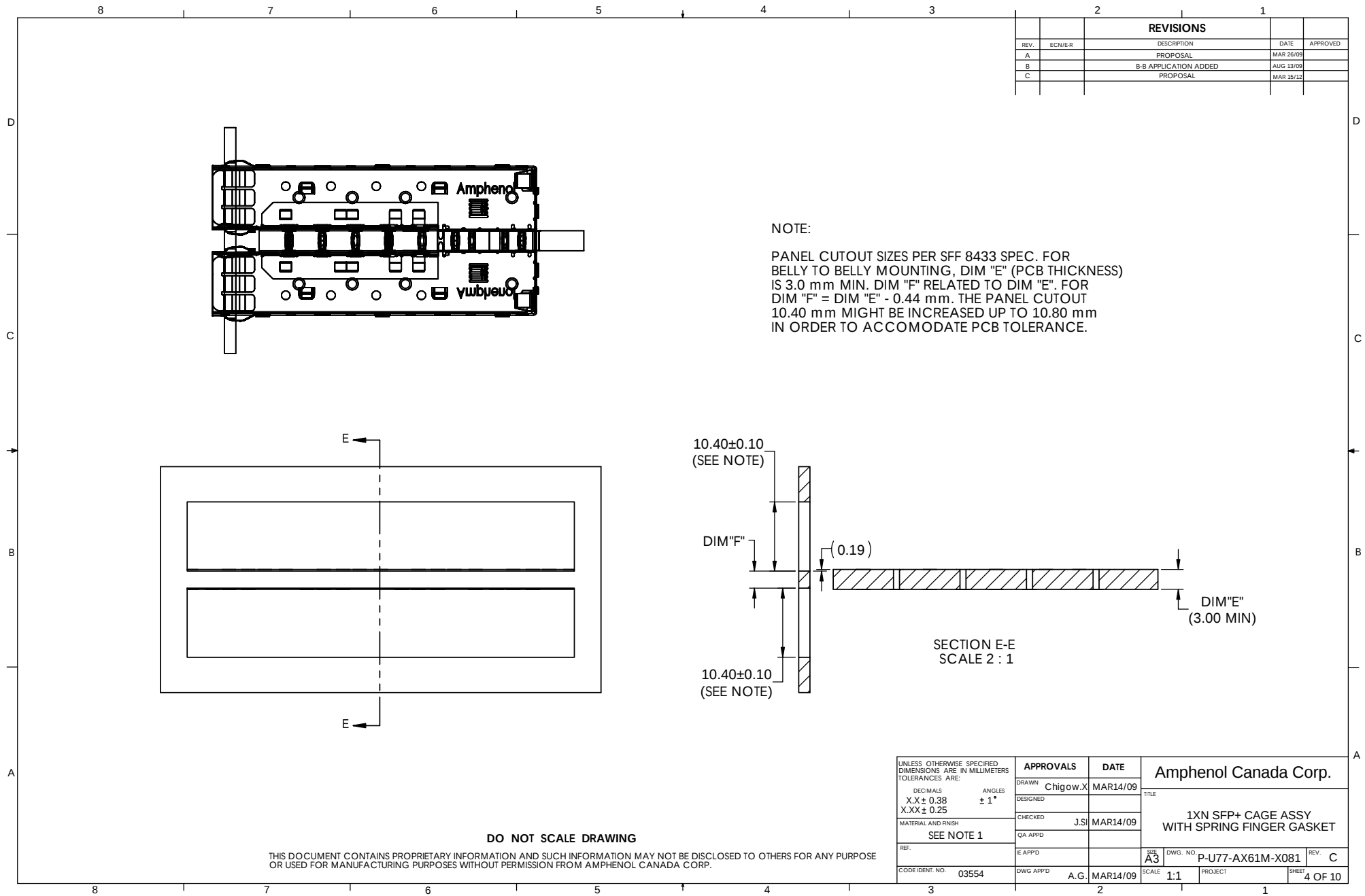
DIM "D" MIN.

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DECIMALS X.X ± 0.38 X.XX ± 0.25		DRAWN Chigow.X		MAR14/09		TITLE	
ANGLES ± 1°		DESIGNED				1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
MATERIAL AND FINISH		CHECKED J.SI		MAR14/09			
SEE NOTE 1		QA APPD					
REF.		E APPD				SIZE A3	
CODE IDENT. NO. 03554		DWG APPD A.G.		MAR14/09		DWG. NO. P-U77-AX61M-X081	
						SCALE 2:1	
						PROJECT	
						SHEET 3 OF 10	

REV. C



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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 ACCOMODATE PCB TOLERANCE.

SECTION E-E
SCALE 2 : 1

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DRAWN Chigow.X		MAR14/09		TITLE 1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET													
DESIGNED																	
CHECKED J.SJ		MAR14/09															
MATERIAL AND FINISH		QA APPD															
SEE NOTE 1																	
REF.		E APPD				SIZE A3		DWG. NO.		P-U77-AX61M-X081		REV.		C			
CODE IDENT. NO.		03554		DWG APPD		A.G. MAR14/09		SCALE		1:1		PROJECT		SHEET		4 OF 10	

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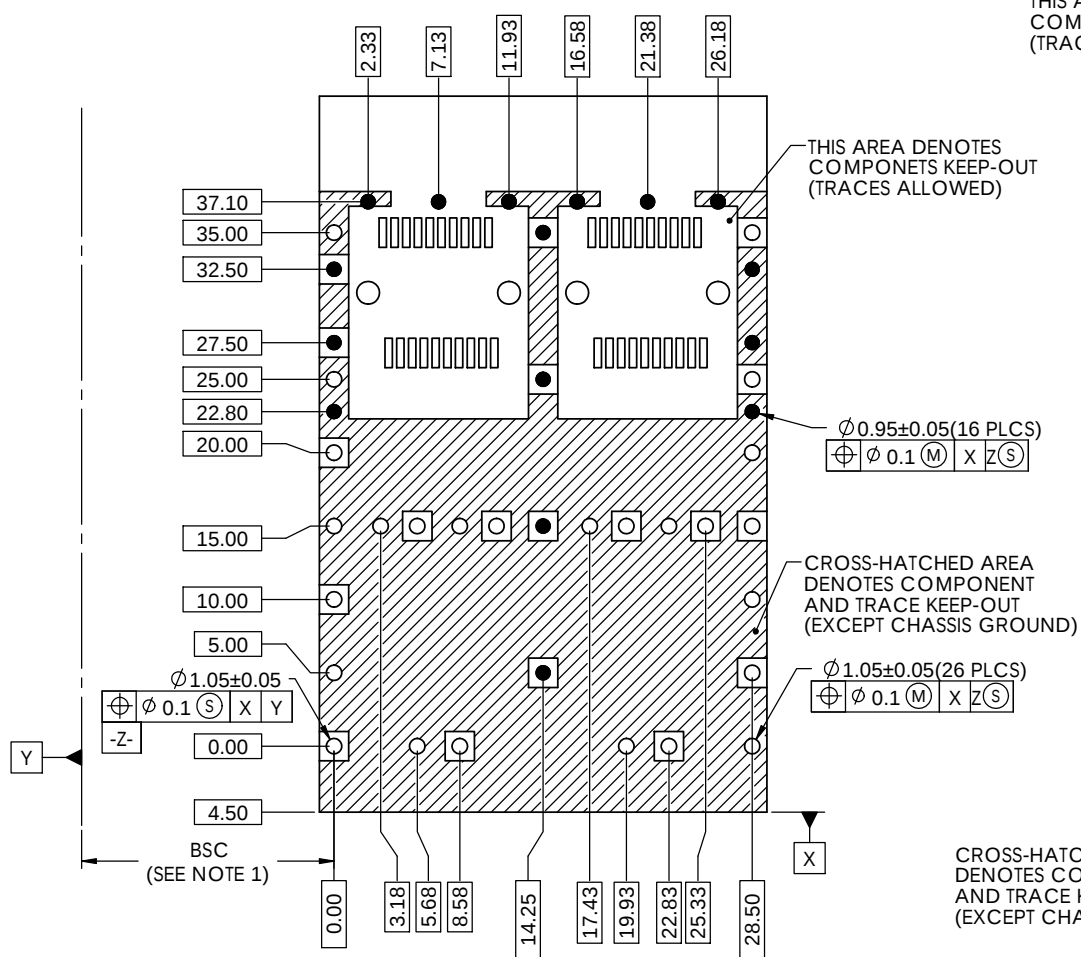
- | | | | | | |
|------|----------|-----------------------|-----------|----------|--|
| | | 2 | | 1 | |
| | | REVISIONS | | | |
| REV. | ECN/IE-R | DESCRIPTION | DATE | APPROVED | |
| A | | PROPOSAL | MAR 26/09 | | |
| B | | B-B APPLICATION ADDED | AUG 13/09 | | |
| C | | PROPOSAL | MAR 15/12 | | |
| | | | | | |



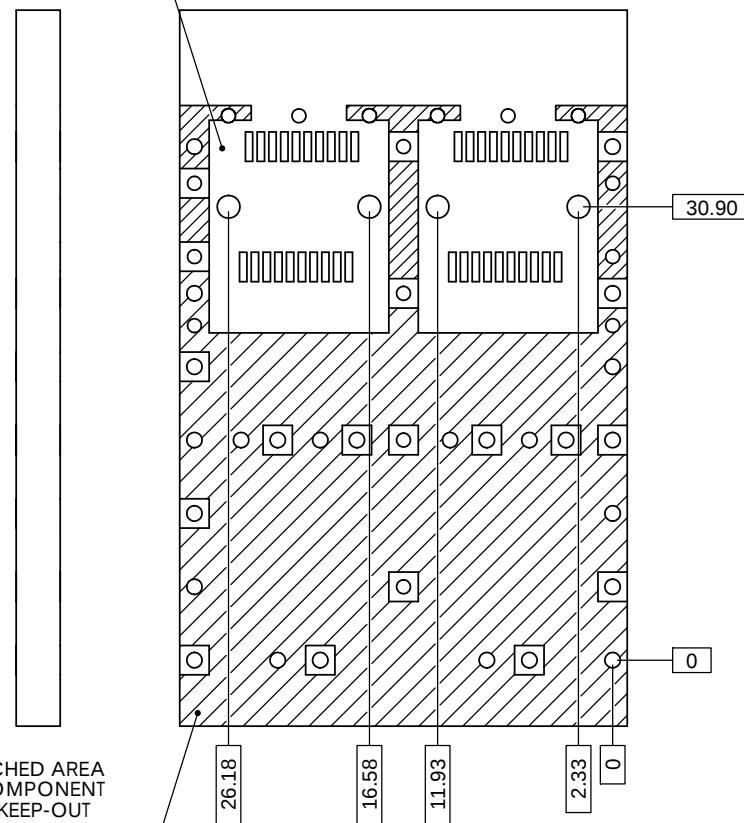
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	CODE IDENT. NO. 03554 DWG APPD A.G. MAR14/09	SCALE 2:1 PROJECT	SHEET 5 OF 10		

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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THIS AREA DENOTES
COMPONENTS KEEP-OUT
(TRACES ALLOWED)



RECOMMENDED PCB DESIGN
FOR BELLY TO BELLY MOUNTING
(P/N U77-A261M-X081)

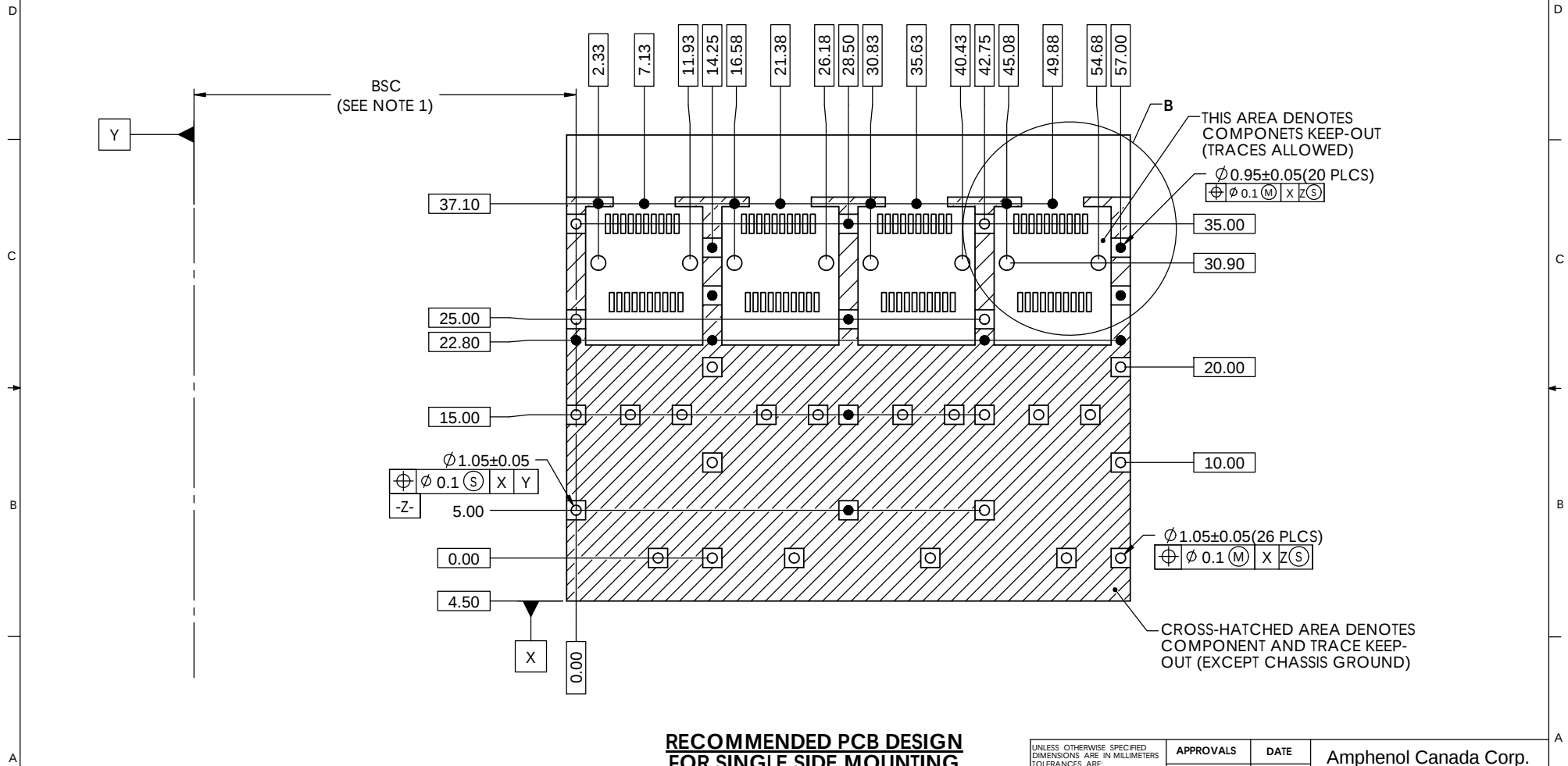
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		DESIGNED									
		CHECKED J.SI		MAR14/09							
		QA APPD				SIZE A3		DWG. NO. P-U77-AX61M-X081		REV. C	
		DWG APPD A.G.		MAR14/09		SCALE 3:1		PROJECT		SHEET 6 OF 10	

- 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.

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**RECOMMENDED PCB DESIGN
FOR SINGLE SIDE MOUNTING
(P/N U77-A461M-X081)**

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ANGLES ± 1°		DESIGNED									
MATERIAL AND FINISH		CHECKED J.SJ		MAR14/09							
SEE NOTE 1		QA APPD									
REF.		E APPD				SIZE A3		DWG. NO. P-U77-AX61M-X081		REV. C	
CODE IDENT. NO. 03554		DWG APPD		A.G. MAR14/09		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.

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THIS AREA DENOTES
COMPONENTS KEEP-OUT
(TRACES ALLOWED)

THIS AREA DENOTES
COMPONENTS KEEP-OUT
(TRACES ALLOWED)
 $\varnothing 0.95 \pm 0.05$ (28 PLCS)

$\varnothing 0.1$ (M) X Z (S)

$\varnothing 1.05 \pm 0.05$ (52 PLCS)

$\varnothing 0.1$ (M) X Z (S)

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

CROSS-HATCHED AREA
DENOTES COMPONENT
AND TRACE KEEP-OUT
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**RECOMMENDED PCB DESIGN
FOR BELLY TO BELLY MOUNTING
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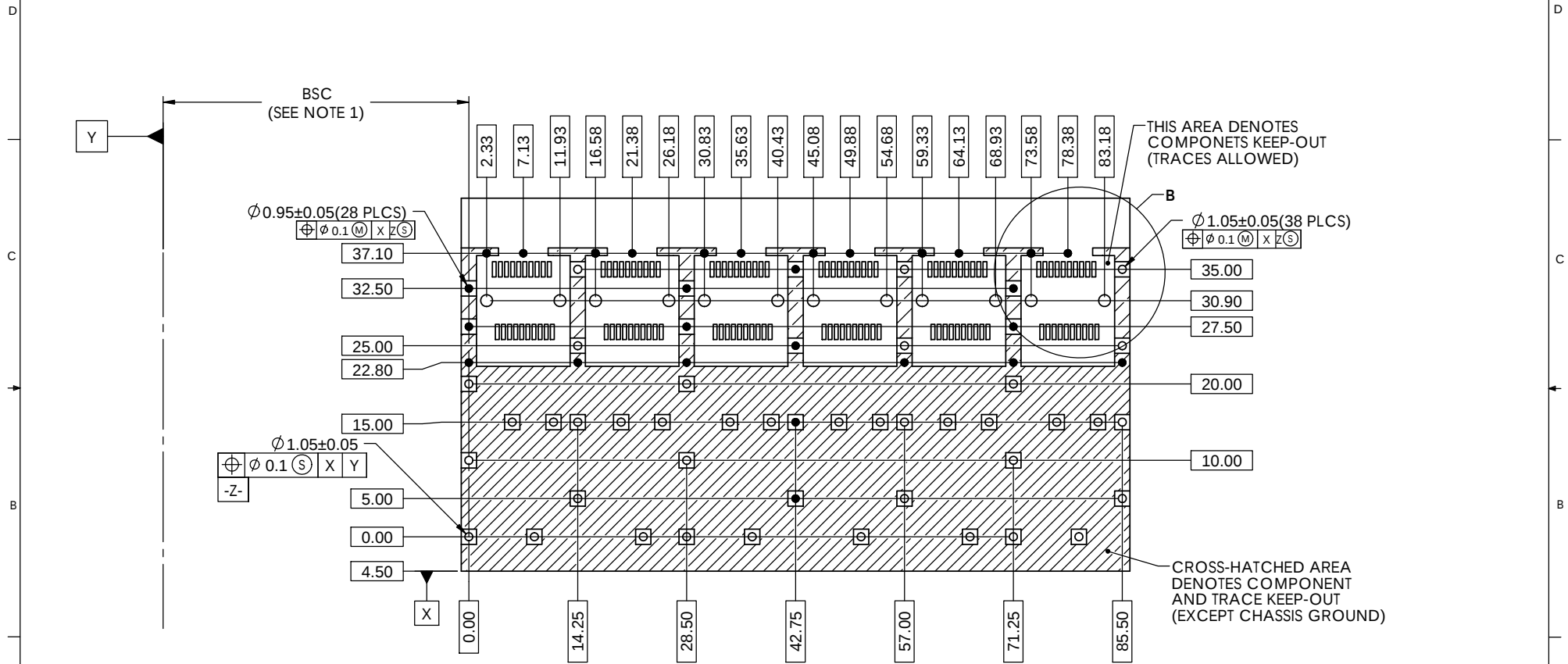
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X.X ± 0.38	± 1°	DESIGNED				
X.XX ± 0.25		CHECKED	J.SJ	MAR14/09		
MATERIAL AND FINISH		QA APPD				
SEE NOTE 1		E APPD			SIZE A3	DWG. NO. P-U77-AX61M-X081
REF.		DWG APPD				
CODE IDENT. NO.	03554	A.G.	MAR14/09	SCALE 2:1	PROJECT	REV. C
						SHEET 8 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.

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**RECOMMENDED PCB DESIGN
FOR SINGLE SIDE MOUNTING
(P/N U77-A661M-X081)**

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		DRAWN	Chigow.X	MAR14/09		
		DESIGNED				
		CHECKED	J.SJ	MAR14/09		
		QA APPD				
		E APPD				
		DWG APPD	A.G.	MAR14/09		

8 7 6 5 4 3 2 1

NOTES:

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COMPONENTS KEEP-OUT
(TRACES ALLOWED)

THIS AREA DENOTES
COMPONENTS KEEP-OUT
(TRACES ALLOWED)

$\varnothing 0.95 \pm 0.05$ (40 PLCS)
 $\varnothing 0.1$ (M) X Z (S)

37.10
35.00
32.50
27.50
25.00
22.80
20.00

15.00
10.00
5.00
0.00
4.50

BSC
(SEE NOTE 1)

$\varnothing 1.05 \pm 0.05$
 $\varnothing 0.1$ (S) X Y
-Z-

$\varnothing 1.05 \pm 0.05$ (41 PLCS)
 $\varnothing 0.1$ (M) X Z (S)

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

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DENOTES COMPONENT
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		DESIGNED			
		CHECKED J.SJ	MAR14/09		
		QA APPD			
		E APPD		SIZE A3	DWG. NO. P-U77-AX61M-X081
		DWG APPD A.G.	MAR14/09	SCALE 3:2	PROJECT SHEET 10 OF 10