

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 - X 081

PACKAGING
1 = TRAY PACKAGING

PLATING
2 = NICKEL PLATING
3 = MATTE TIN PLATING

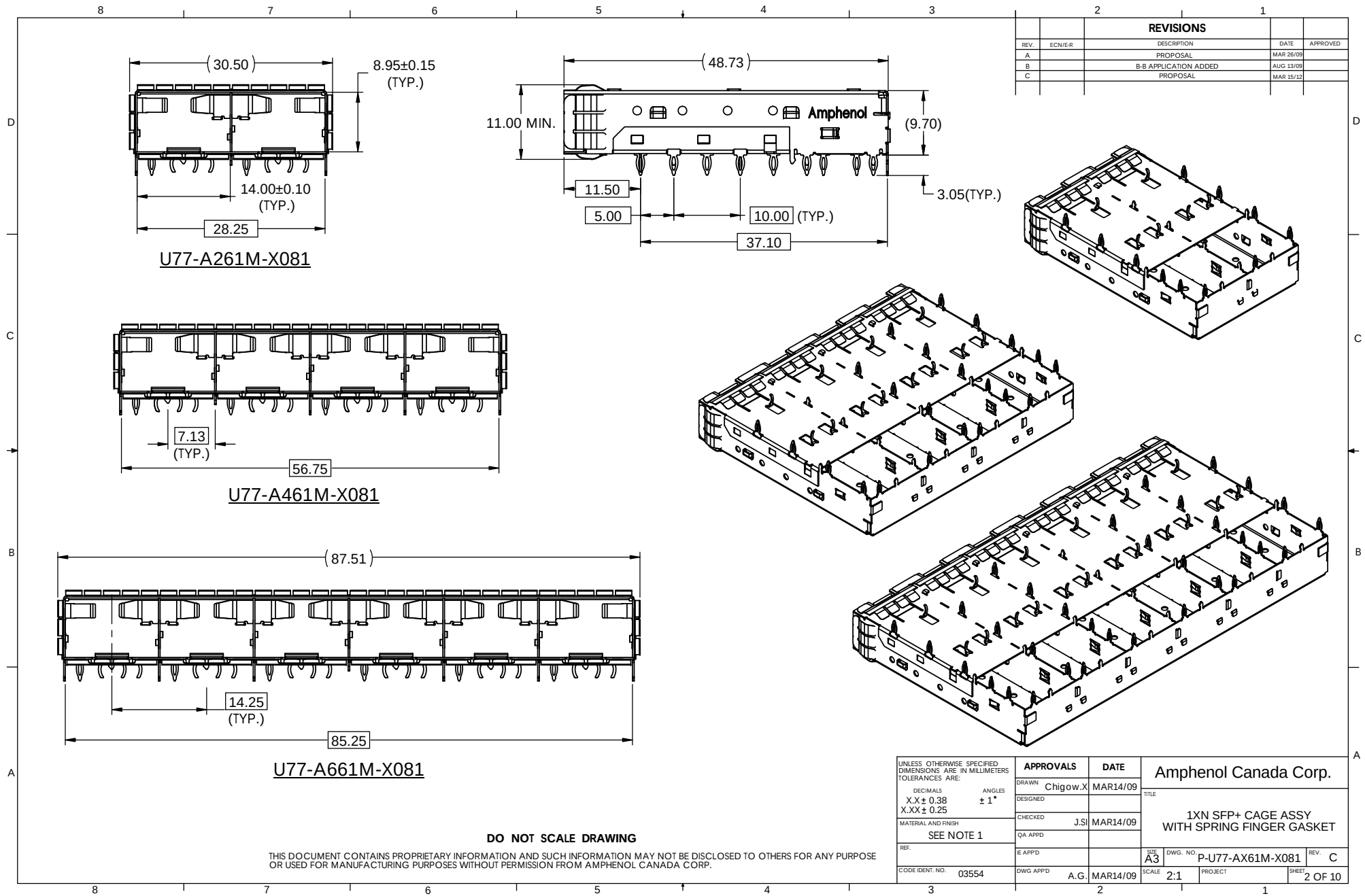
NUMBER OF PORTS
2 = 2 PORTS
4 = 4 PORTS
6 = 6 PORTS

P/N: U77-A261M-X081 SHOWN

DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE	Amphenol Canada Corp.	
DECIMALS	ANGLES	DRAWN	Chigow.X	MAR14/09	1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
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.		SCALE			PROJECT	REV. C
CODE IDENT. NO.	03554	DWG APPD	A.G.	MAR14/09	1	SHEET 1 OF 10



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	

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

8 7 6 5 4 3 2 1

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

DIM "D" MIN.

REVISIONS		DATE	APPROVED
REV.	ECN/ER		
A		MAR 26/09	
B		AUG 13/09	
C		MAR 15/12	

APPROVALS		DATE	Amphenol Canada Corp.	
DRAWN	Chigow.X	MAR14/09	TITLE	
DESIGNED			1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
CHECKED	J.SI	MAR14/09	SIZE A3 DWG. NO. P-U77-AX61M-X081 REV. C	
MATERIAL AND FINISH	SEE NOTE 1		SCALE 2:1 PROJECT SHEET 3 OF 10	
REF.				
CODE IDENT. NO.	03554	A.G. MAR14/09		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:

DECIMALS ANGLES

X.X ± 0.38 ± 1°

X.XX ± 0.25

DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

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

DIM "D" MIN.

REVISIONS		DATE	APPROVED
REV.	ECN/ER		
A		MAR 26/09	
B		AUG 13/09	
C		MAR 15/12	

APPROVALS		DATE	Amphenol Canada Corp.	
DRAWN	Chigow.X	MAR14/09	TITLE	
DESIGNED			1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
CHECKED	J.SI	MAR14/09	SIZE A3 DWG. NO. P-U77-AX61M-X081 REV. C	
MATERIAL AND FINISH	SEE NOTE 1		SCALE 2:1 PROJECT SHEET 3 OF 10	
REF.				
CODE IDENT. NO.	03554	A.G. MAR14/09		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:

DECIMALS ANGLES

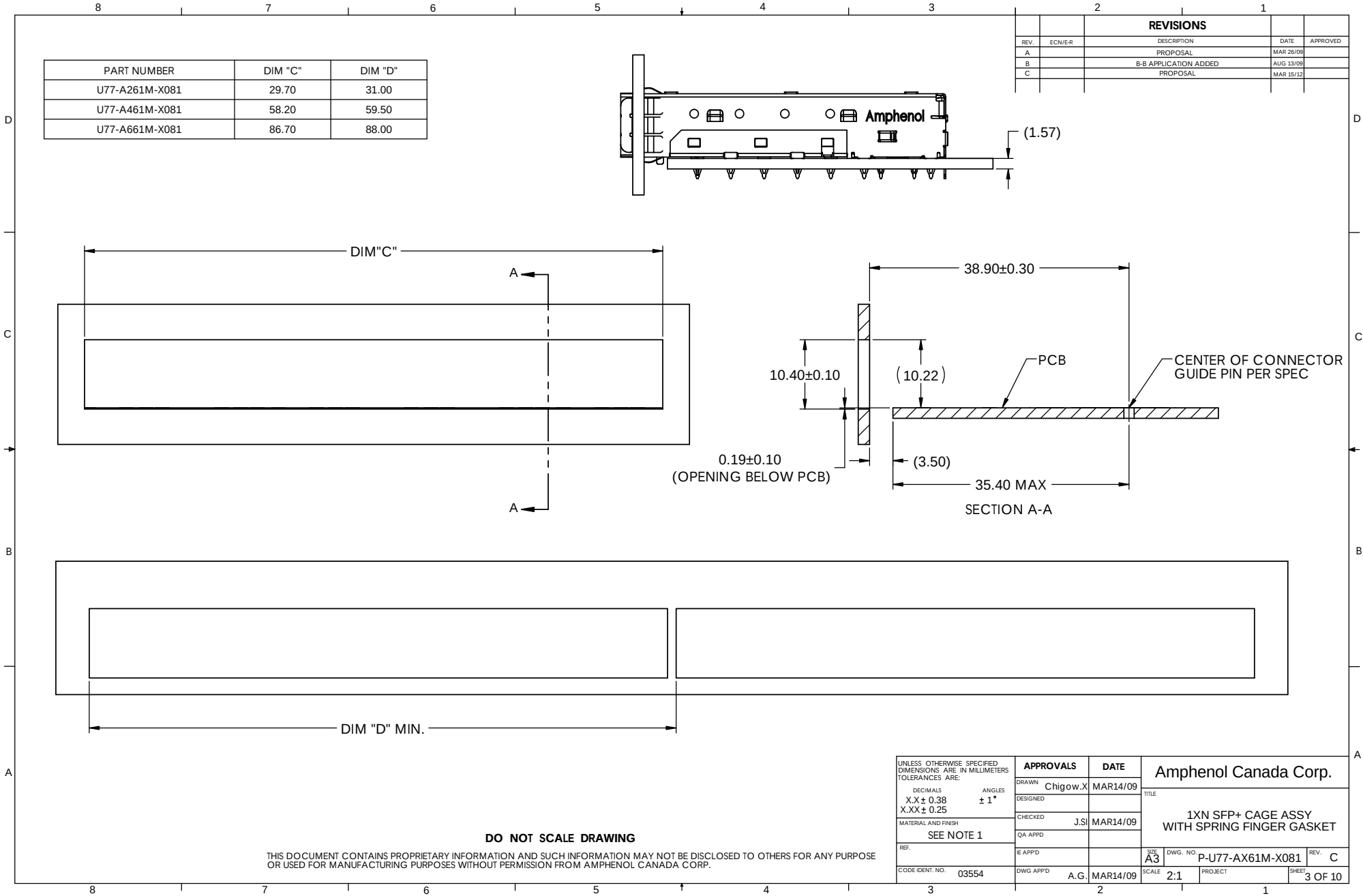
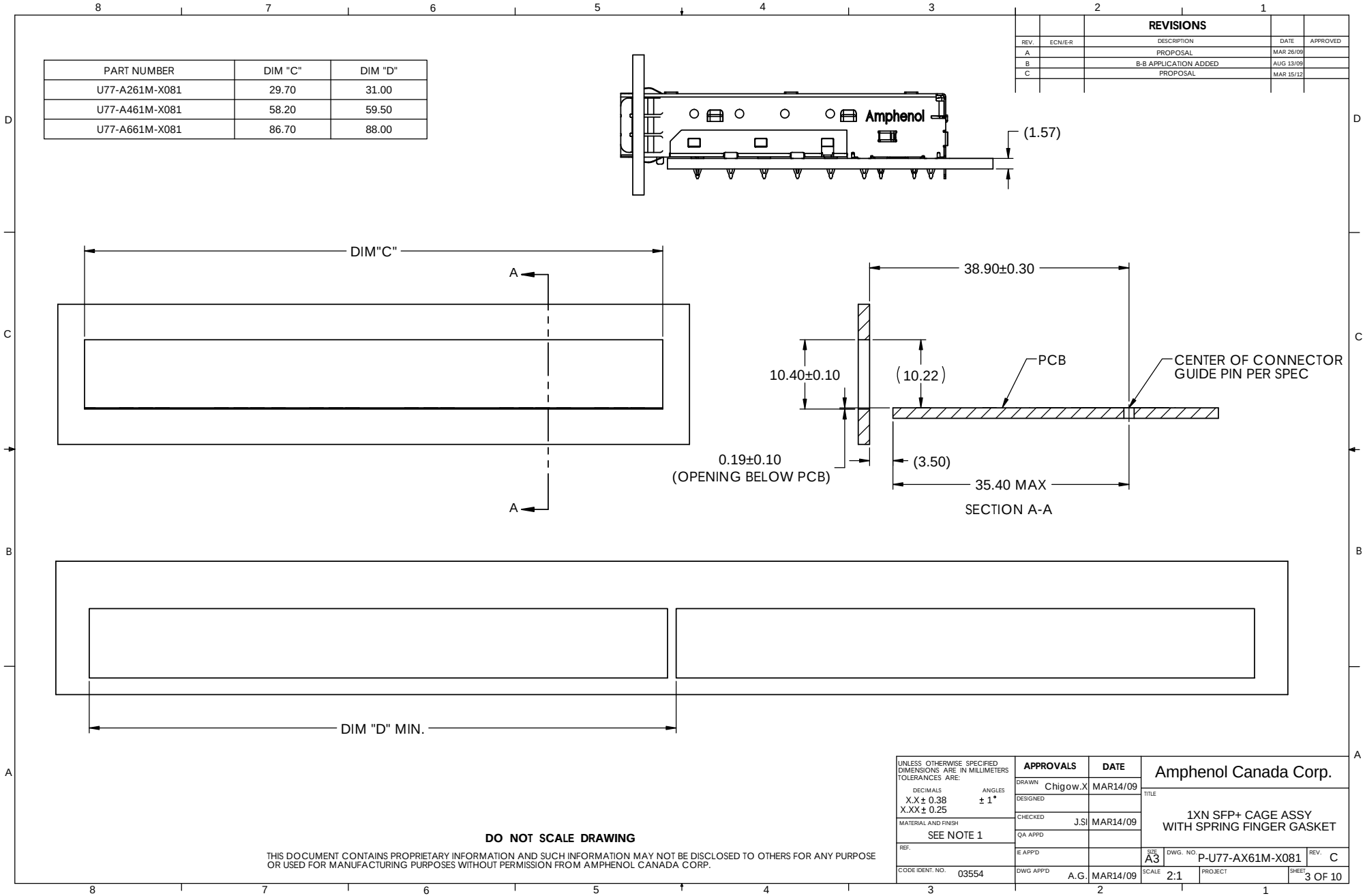
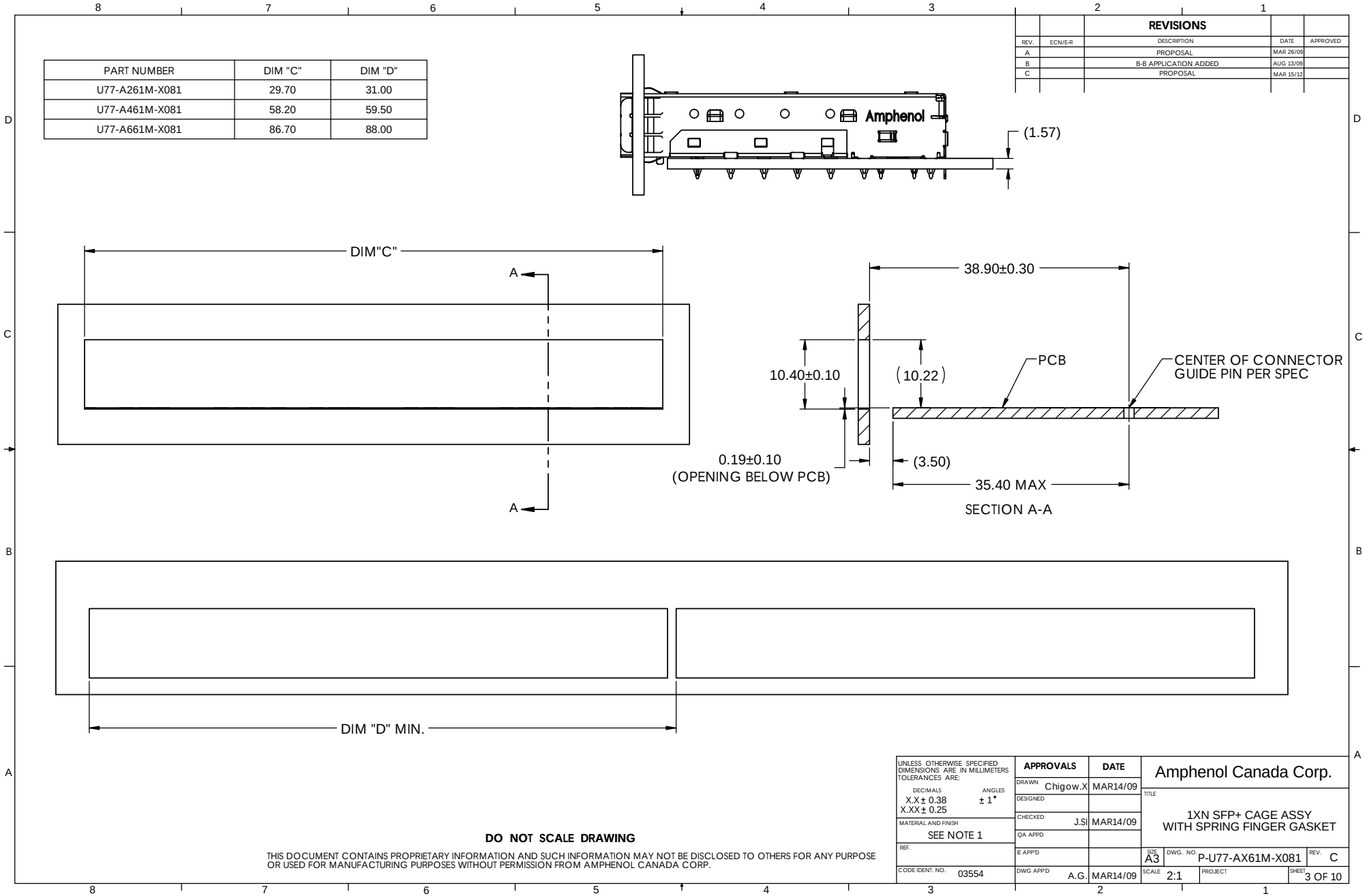
X.X ± 0.38 ± 1°

X.XX ± 0.25

DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1

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

(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

DIM "D" MIN.

REVISIONS		DATE	APPROVED
REV.	ECN/ER		
A		MAR 26/09	
B		AUG 13/09	
C		MAR 15/12	

APPROVALS		DATE	Amphenol Canada Corp.	
DRAWN	Chigow.X	MAR14/09	TITLE	
DESIGNED			1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
CHECKED	J.SI	MAR14/09		
MATERIAL AND FINISH				
SEE NOTE 1				
REF.				
CODE IDENT. NO.	03554	MAR14/09		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:

DECIMALS ANGLES

X.X ± 0.38 ± 1°

X.XX ± 0.25

DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

SIZE A3 DWG. NO. P-U77-AX61M-X081 REV. C

SCALE 2:1 PROJECT SHEET 3 OF 10

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

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

(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

DIM "D" MIN.

REVISIONS		DATE	APPROVED
REV.	ECN/ER		
A		MAR 26/09	
B		AUG 13/09	
C		MAR 15/12	

APPROVALS		DATE	Amphenol Canada Corp.	
DRAWN	Chigow.X	MAR14/09	TITLE	
DESIGNED			1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
CHECKED	J.SI	MAR14/09	SIZE A3 DWG. NO. P-U77-AX61M-X081 REV. C	
MATERIAL AND FINISH	SEE NOTE 1		SCALE 2:1 PROJECT SHEET 3 OF 10	
REF.				
CODE IDENT. NO.	03554	A.G. MAR14/09		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES ARE:

DECIMALS ANGLES
X.X ± 0.38 ± 1°
X.XX ± 0.25

DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE
OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

8 7 6 5 4 3 2 1

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

(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

DIM "D" MIN.

REVISIONS		DATE	APPROVED
REV.	ECN/ER		
A		MAR 26/09	
B		AUG 13/09	
C		MAR 15/12	

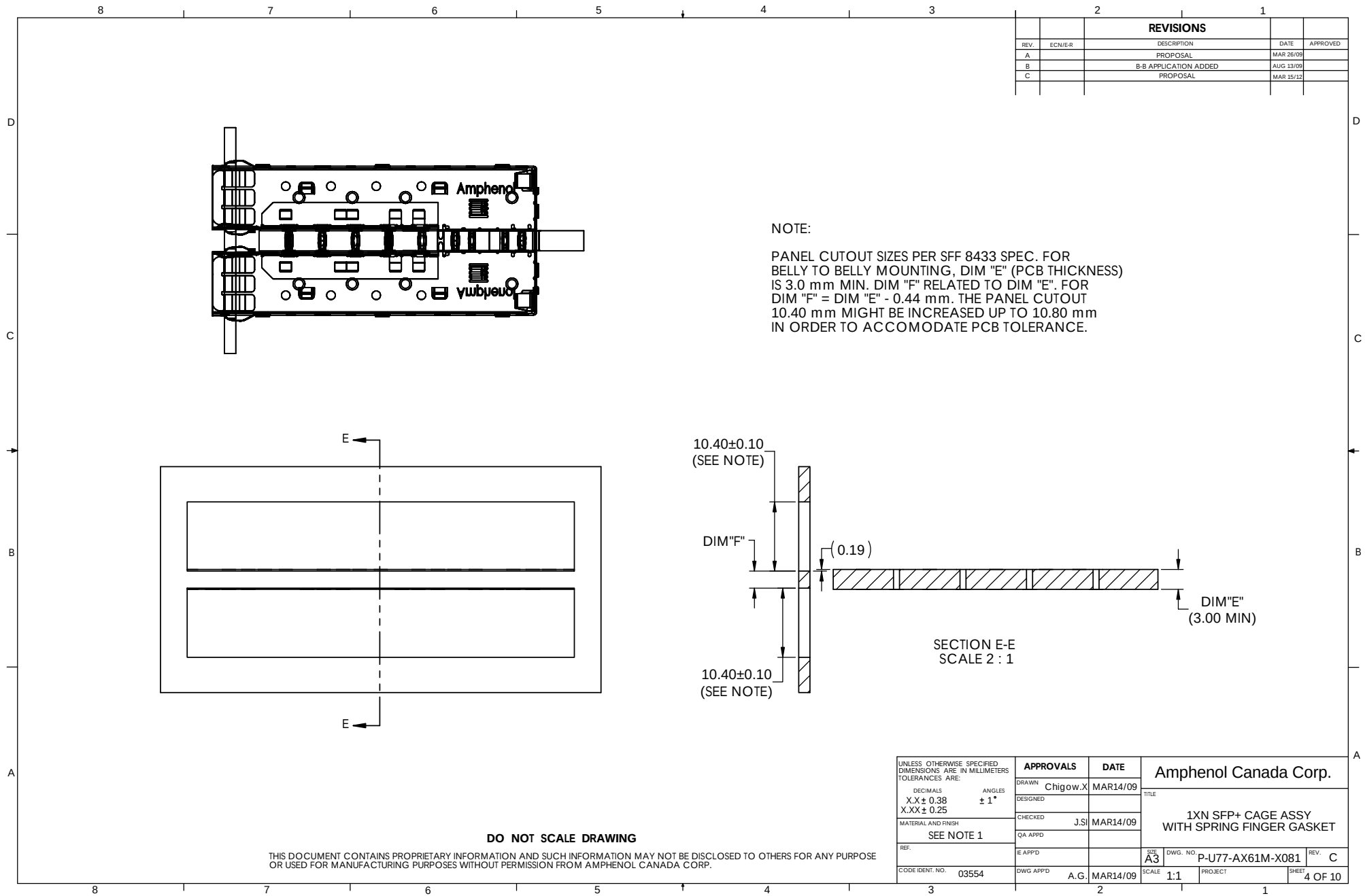
APPROVALS		DATE	Amphenol Canada Corp.	
DRAWN	Chigow.X	MAR14/09	TITLE	
DESIGNED			1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
CHECKED	J.SI	MAR14/09	SIZE A3 DWG. NO. P-U77-AX61M-X081 REV. C	
MATERIAL AND FINISH	SEE NOTE 1		SCALE 2:1 PROJECT SHEET 3 OF 10	
REF.				
CODE IDENT. NO.	03554	A.G. MAR14/09		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES ARE:

DECIMALS ANGLES
X.X ± 0.38 ± 1°
X.XX ± 0.25

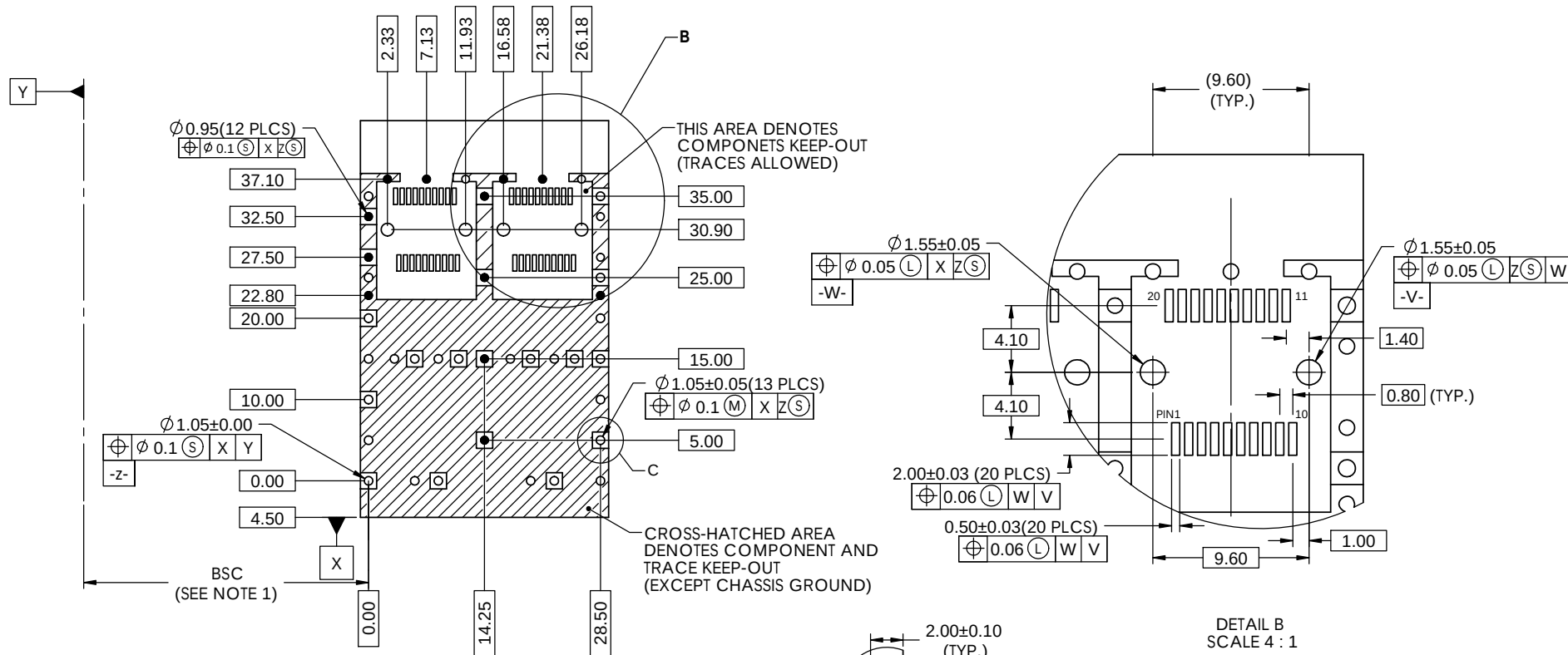
DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE
OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.



- 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	MAR 26/09	
B		B-B APPLICATION ADDED	AUG 13/09	
C		PROPOSAL	MAR 15/12	



**RECOMMENDED PCB DESIGN
FOR SINGLE SIDE MOUNTING
(P/N U77-A261M-X081)**

DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

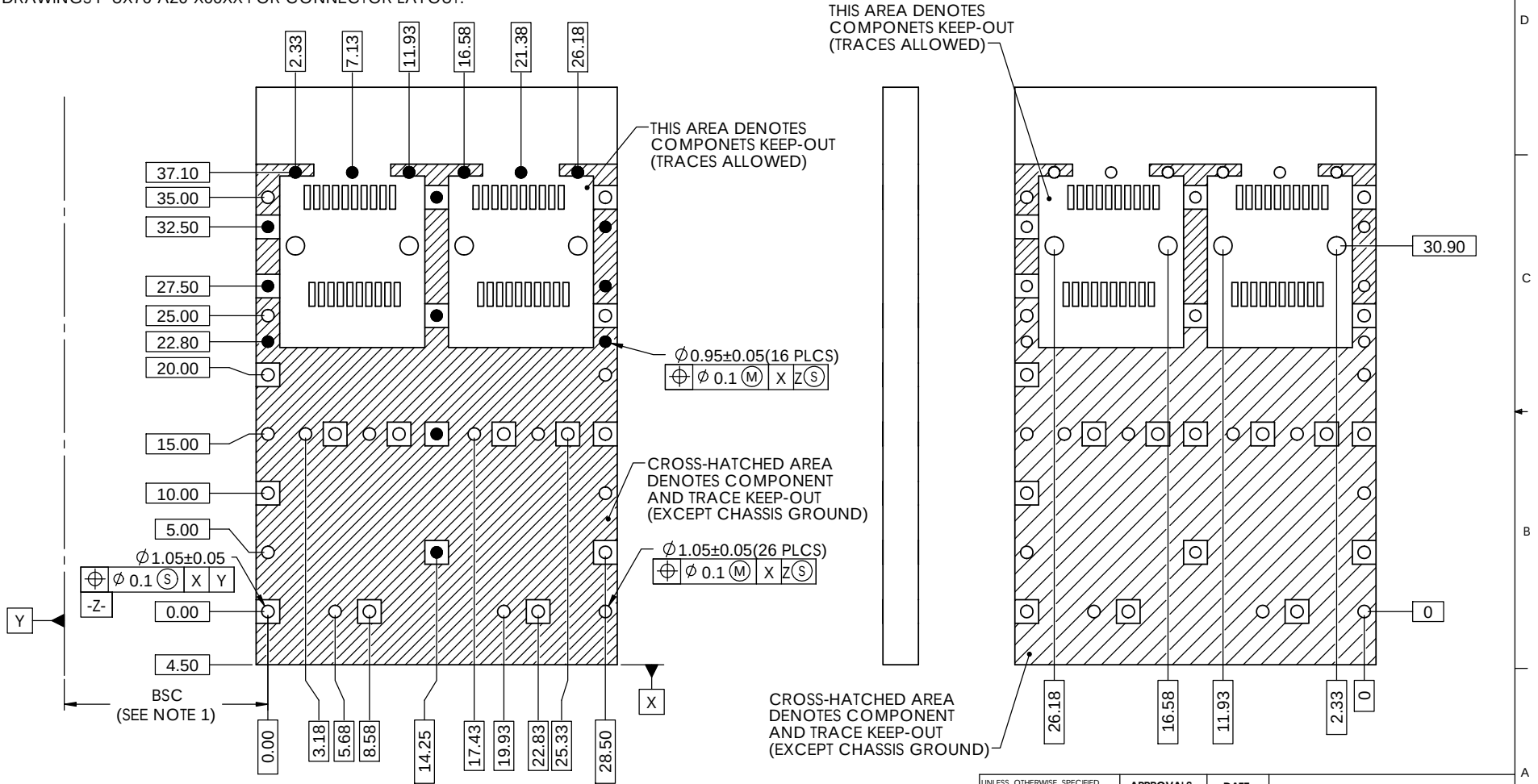
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE	Amphenol Canada Corp.	
DECIMALS	ANGLES	DRAWN	Chigow.X	MAR14/09	TITLE 1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
X.X ± 0.38	± 1°	DESIGNED				
X.XX ± 0.25		CHECKED	J.SJ	MAR14/09		
MATERIAL AND FINISH		QA APPD				
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 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/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR 26/09	
B		B-B APPLICATION ADDED	AUG 13/09	
C		PROPOSAL	MAR 15/12	



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

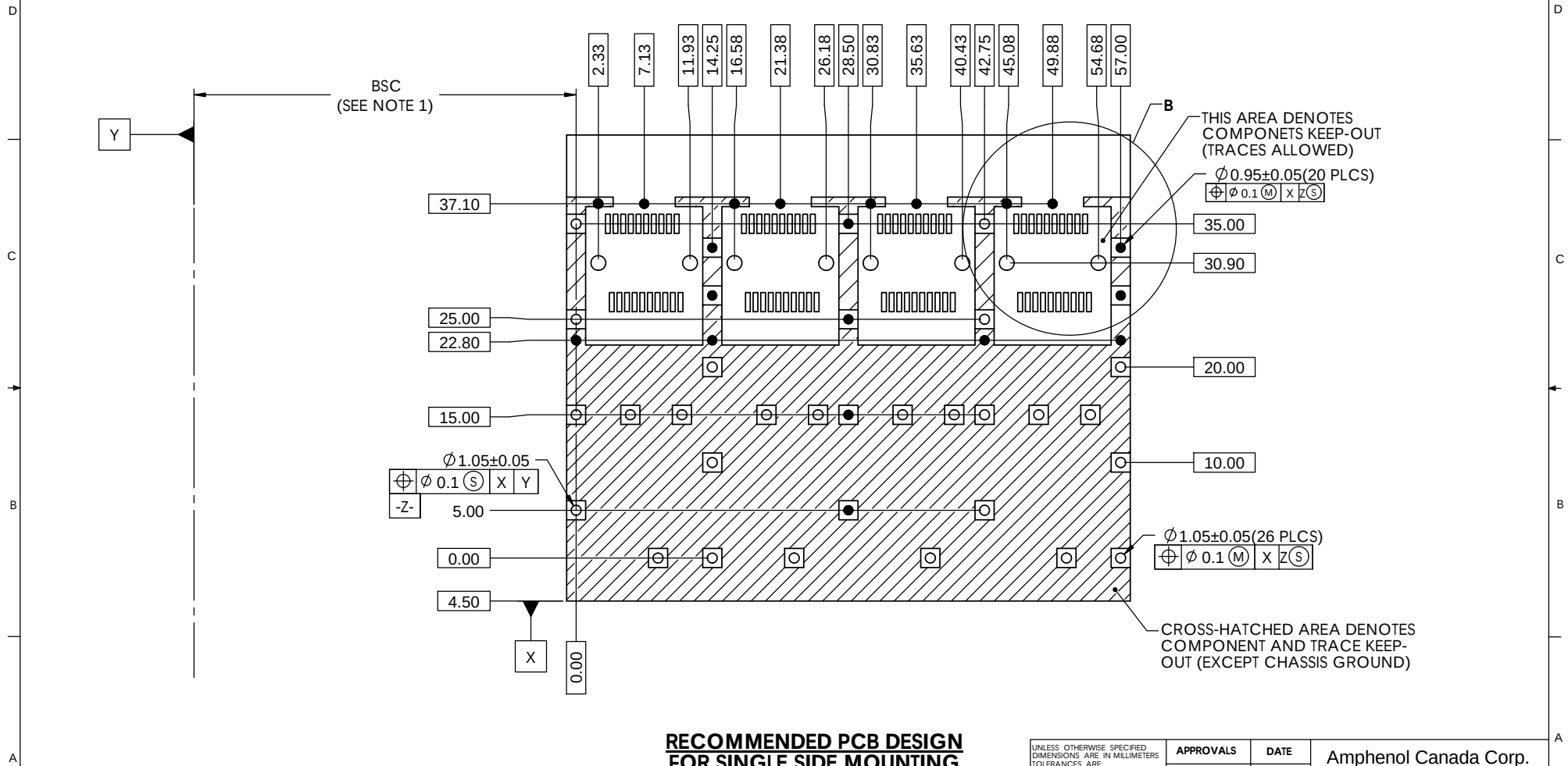
DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE	Amphenol Canada Corp.	
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.SJ		MAR14/09		
SEE NOTE 1		QA APPD				
REF.		E APPD			SIZE A3	DWG. NO. P-U77-AX61M-X081
CODE IDENT. NO. 03554		DWG APPD A.G.		MAR14/09	SCALE 3:1	PROJECT
						REV. C
						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	MAR 26/09	
B		B-B APPLICATION ADDED	AUG 13/09	
C		PROPOSAL	MAR 15/12	



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

DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE		Amphenol Canada Corp.					
DECIMALS X.X $\pm$ 0.38 X.XX $\pm$ 0.25		DRAWN Chigow.X		MAR14/09		1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET					
ANGLES $\pm$ 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.

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	

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
(EXCEPT CHASSIS GROUND)

**RECOMMENDED PCB DESIGN
FOR BELLY TO BELLY MOUNTING
(P/N U77-A461M-X081)**

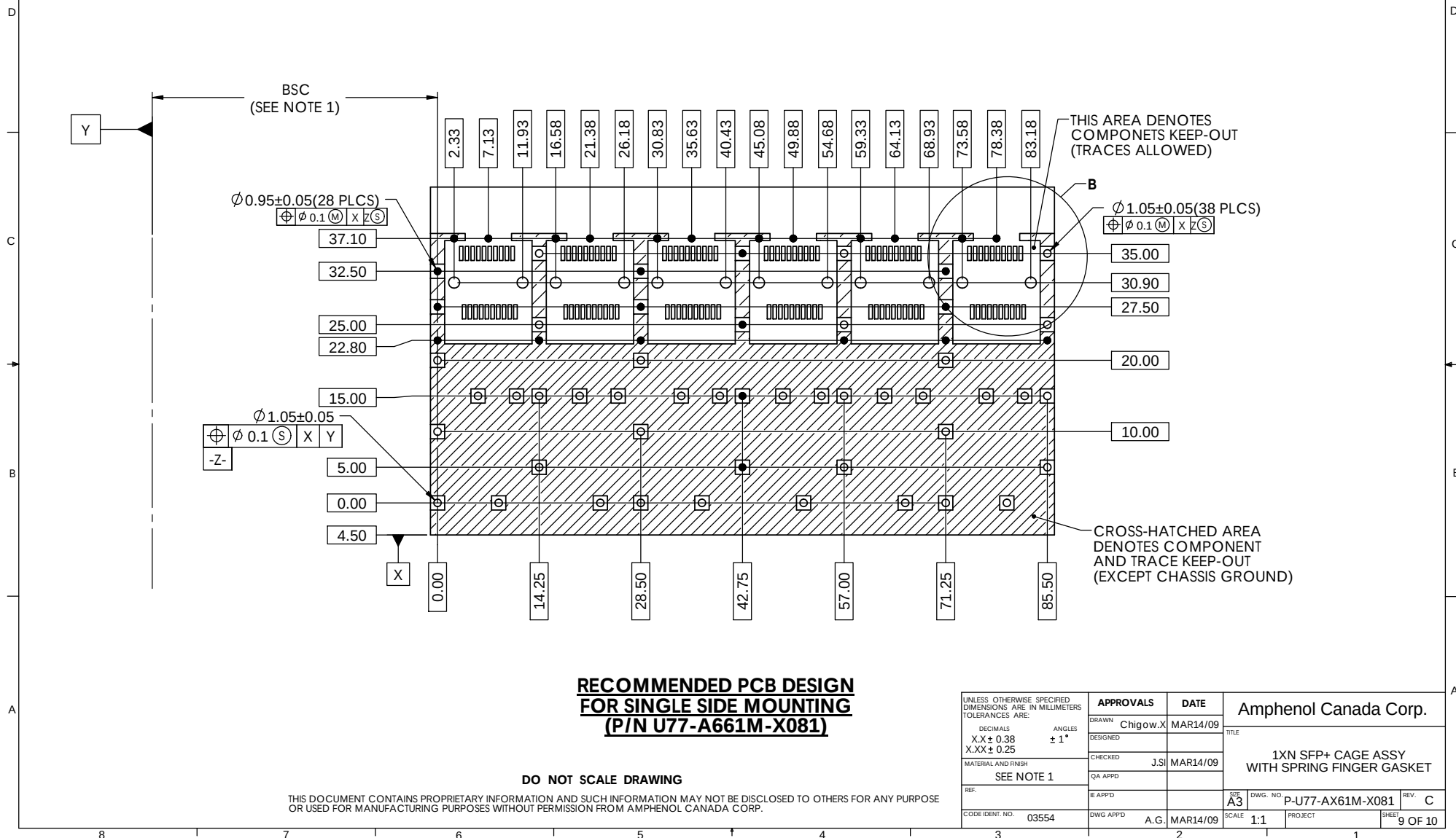
DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE
OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE	Amphenol Canada Corp.	
DECIMALS	ANGLES	DRAWN	Chigow.X	MAR14/09	TITLE 1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
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	
REF.		DWG APPD	A.G.	MAR14/09	DWG. NO. P-U77-AX61M-X081	
CODE IDENT. NO.	03554				SCALE 2:1	PROJECT
						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.

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	



8 7 6 5 4 3 2 1

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	MAR 26/09	
B		B-B APPLICATION ADDED	AUG 13/09	
C		PROPOSAL	MAR 15/12	

THIS AREA DENOTES
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)

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

**RECOMMENDED PCB DESIGN
FOR BELLY TO BELLY MOUNTING
(P/N U77-A661M-X081)**

DO NOT SCALE DRAWING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE
OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.XX ± 0.38 ± 1° X.XX ± 0.25 MATERIAL AND FINISH SEE NOTE 1 REF. CODE IDENT. NO. 03554	APPROVALS		DATE	Amphenol Canada Corp. 1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET P-U77-AX61M-X081 SCALE 3:2 PROJECT SHEET 10 OF 10
	DRAWN	Chigow.X	MAR14/09	
	DESIGNED			
	CHECKED	J.SJ	MAR14/09	
	QA APPD			
	E APPD			
	DWG APPD	A.G.	MAR14/09	