



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

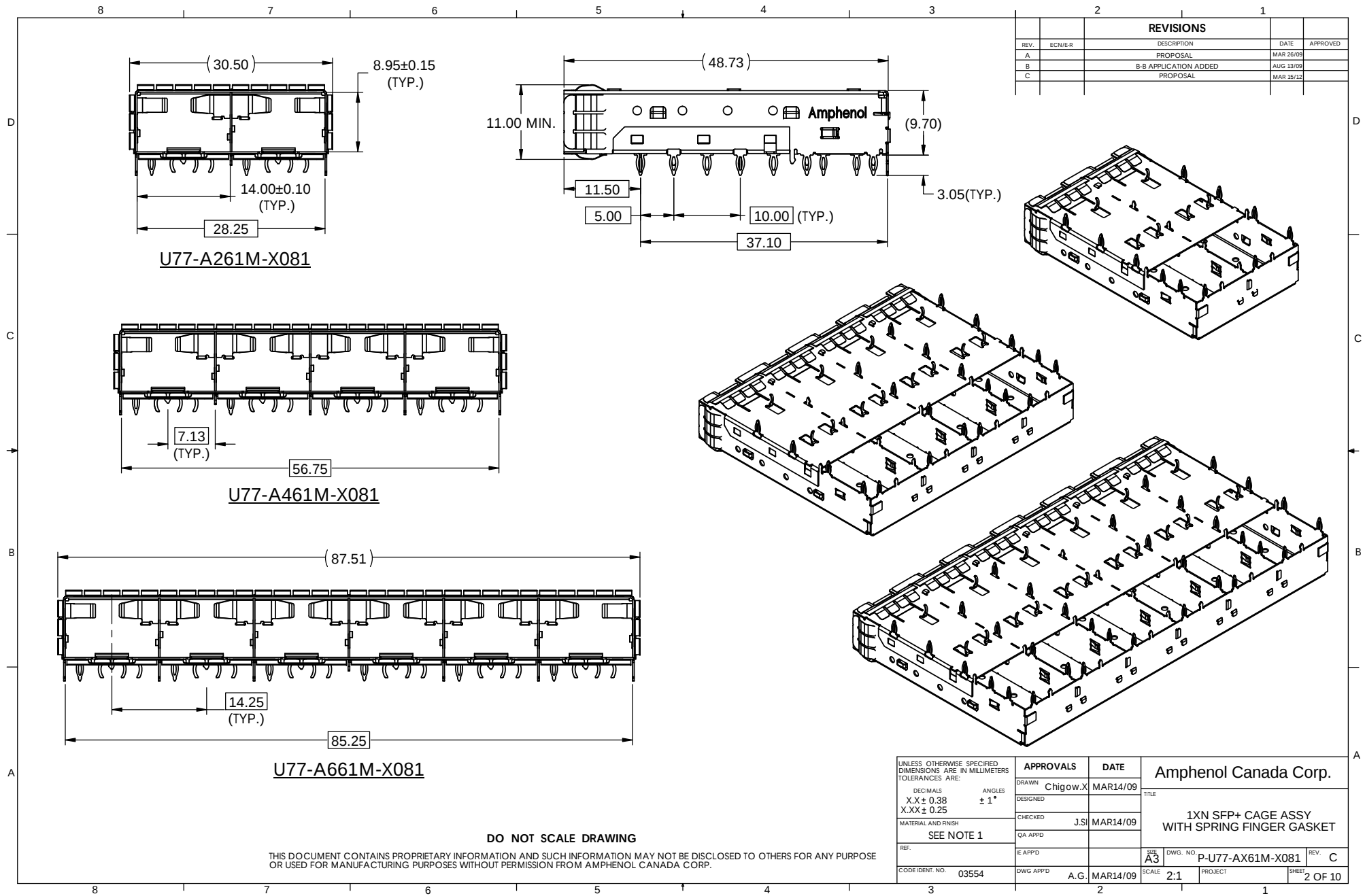
NUMBER OF PORTS
2 = 2 PORTS
4 = 4 PORTS
6 = 6 PORTS

P/N: U77-A261M-X081 SHOWN

DO NOT SCALE DRAWING

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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 A3 DWG. NO. P-U77-AX61M-X081 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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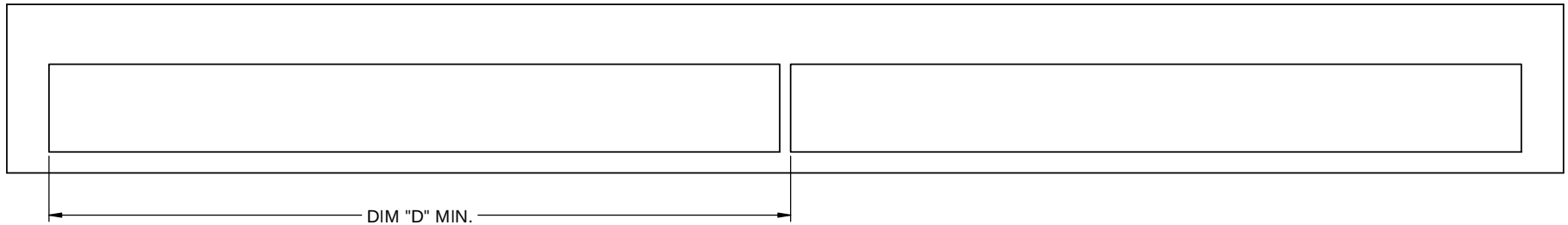
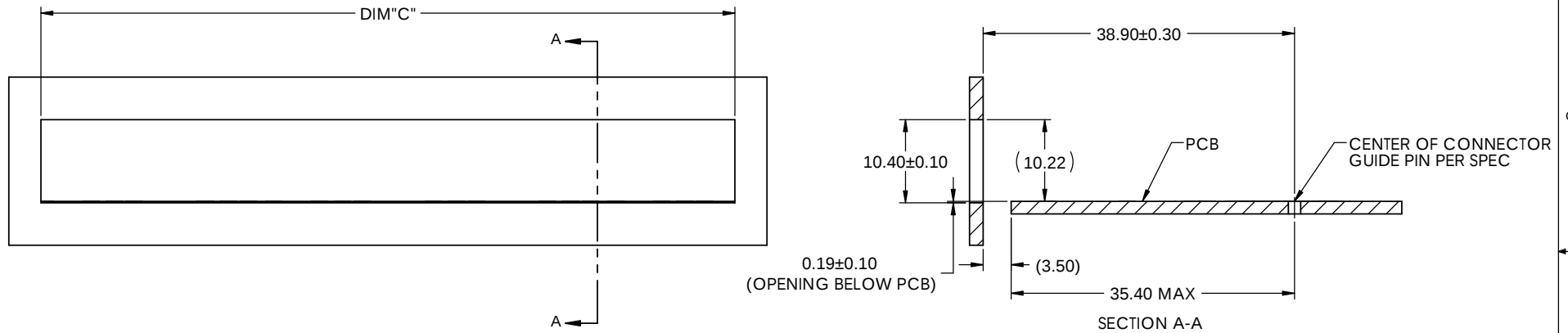
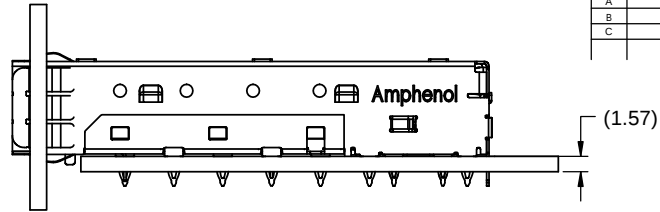
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		DRAWN Chigow.X		MAR14/09					
		DESIGNED							
		CHECKED J.SJ		MAR14/09					
MATERIAL AND FINISH		QA APPD				P-U77-AX61M-X081			
SEE NOTE 1									
REF.		E APPD							
CODE IDENT. NO. 03554		DWG APPD A.G.		MAR14/09					
2		2		2		1		2 OF 10	

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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

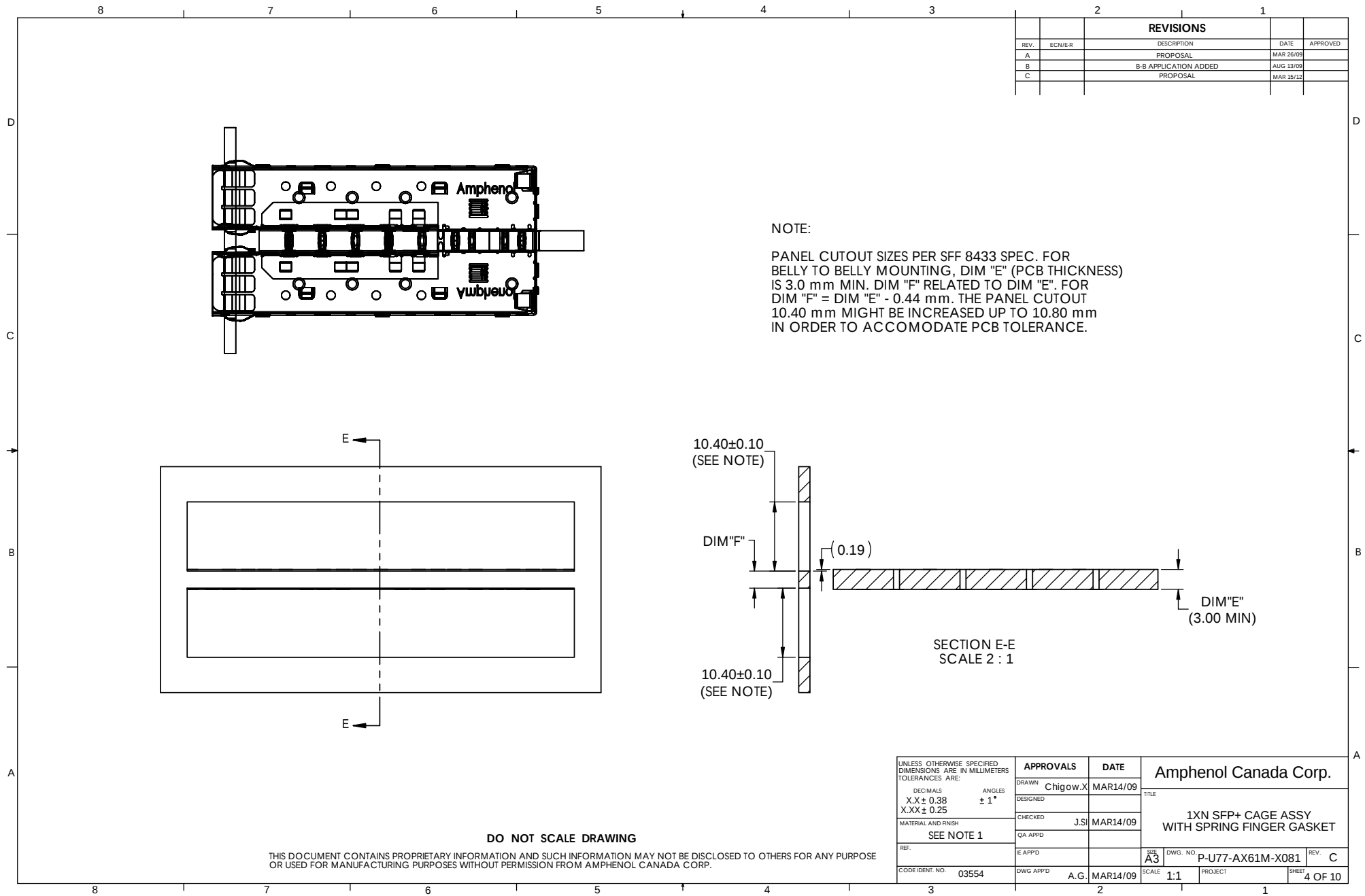
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X.X ± 0.38	± 1°	DESIGNED				
X.XX ± 0.25		CHECKED	J.SJ	MAR14/09		
MATERIAL AND FINISH		QA APPD				
SEE NOTE 1		E APPD			SIZE A3	DWG. NO. P-U77-AX61M-X081
REF.		DWG APPD				
CODE IDENT. NO.	03554	A.G.		MAR14/09	SCALE 2:1	PROJECT
						SHEET 3 OF 10



REVISIONS				
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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.

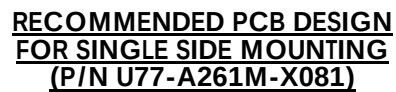
SECTION E-E
SCALE 2 : 1

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

- | | | | | | |
|------|---------|-----------------------|--|-----------|----------|
| | | 2 | | 1 | |
| | | REVISIONS | | | |
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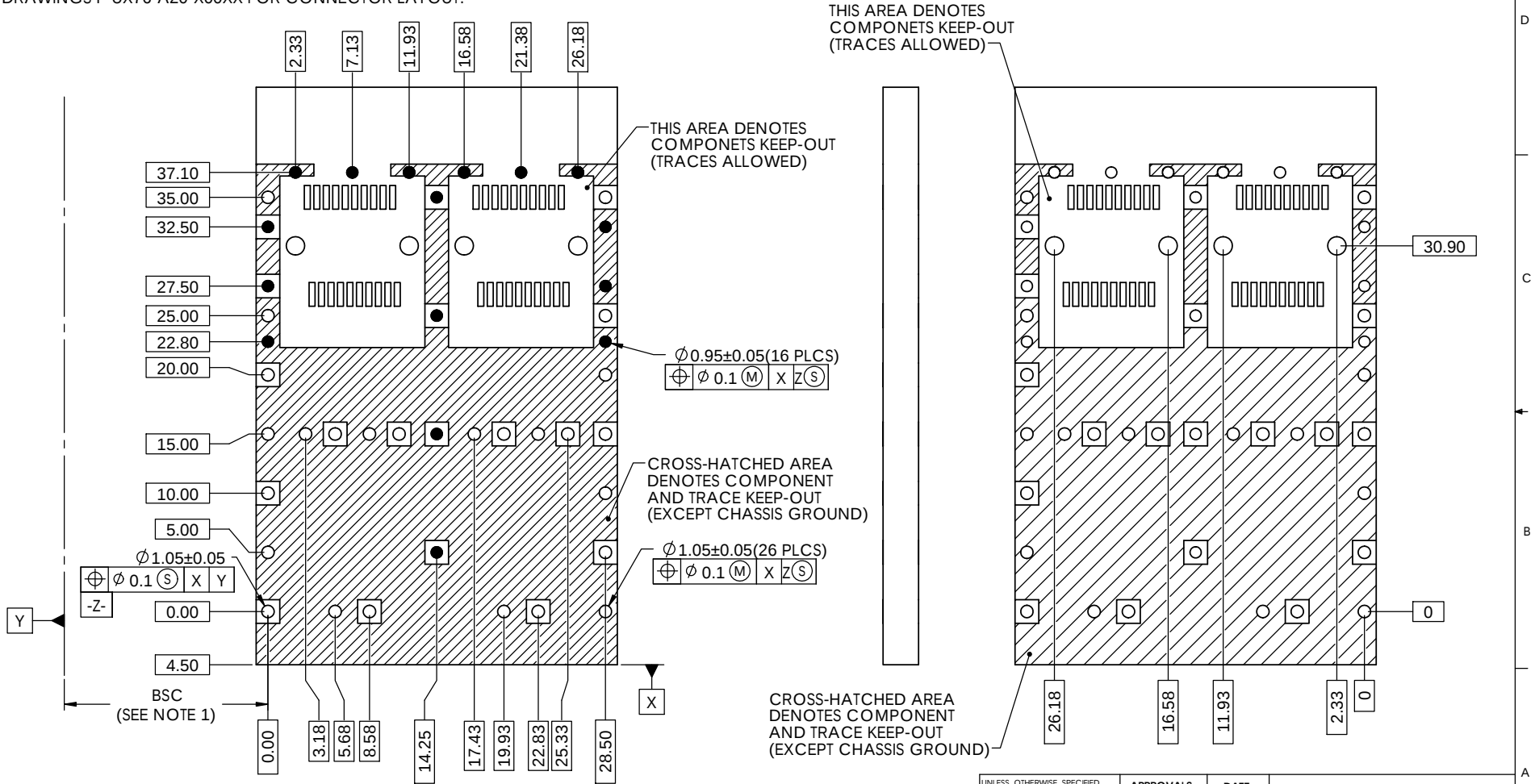
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	DRAWN	Chigow.X	MAR14/09							
	DESIGNED				TITLE					
	CHECKED	J.SI	MAR14/09		1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET					
	QA APPD									
	E APPD			SIZE A3	DWG. NO.	P-U77-AX61M-X081		REV.	C	
CODE IDENT. NO.	03554	DWG APPD	A.G.	MAR14/09	SCALE	2:1		PROJECT	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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**RECOMMENDED PCB DESIGN
FOR BELLY TO BELLY MOUNTING
(P/N U77-A261M-X081)**

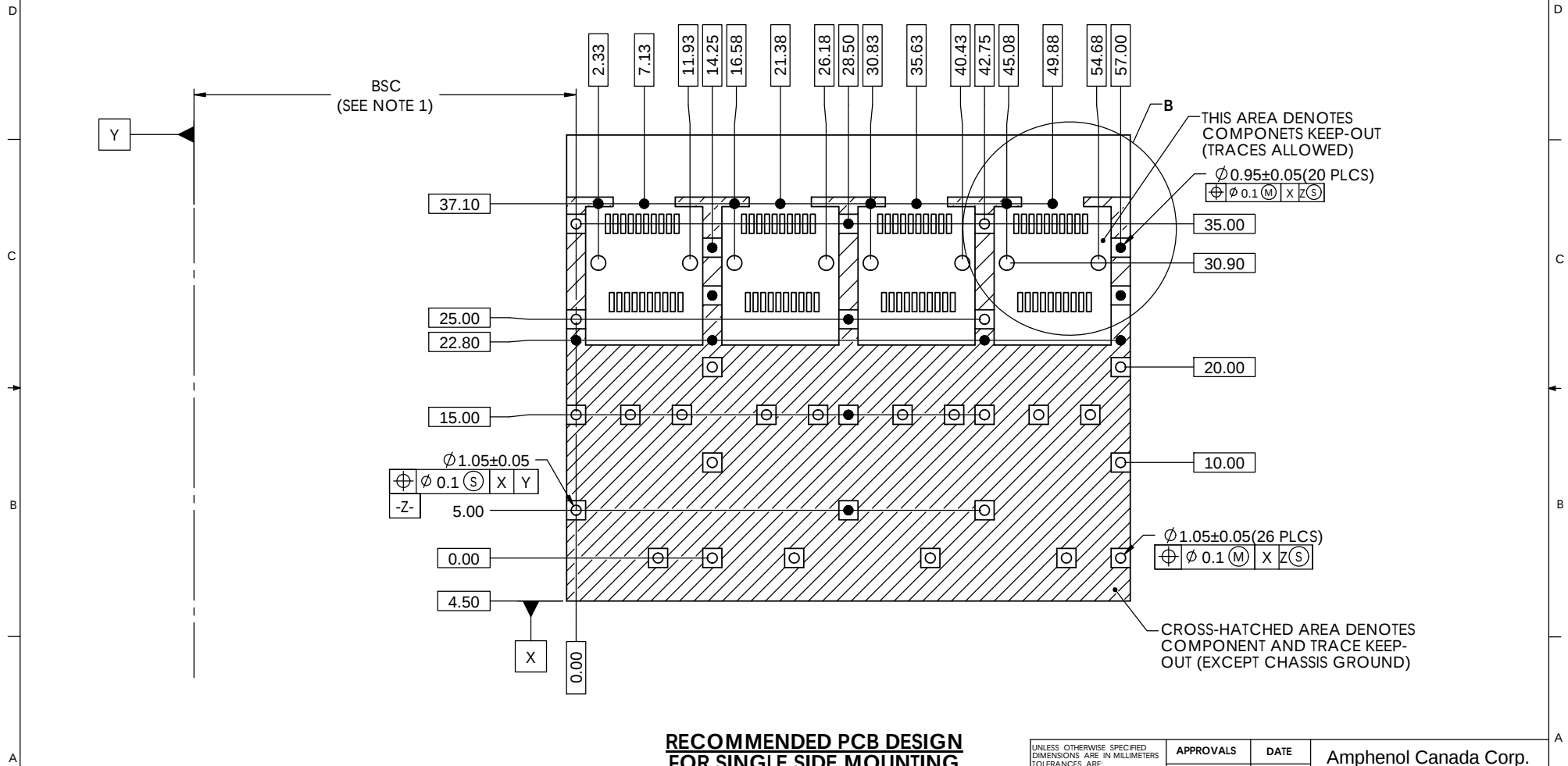
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X.X ± 0.38	± 1°	DESIGNED				
X.XX ± 0.25		CHECKED	J.SJ	MAR14/09		
MATERIAL AND FINISH		QA APPD				
SEE NOTE 1		E APPD			SIZE DWG. NO. A3 P-U77-AX61M-X081	
REF.		DWG APPD	A.G.	MAR14/09	SCALE	PROJECT
CODE IDENT. NO.	03554				3:1	6 OF 10

- 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
(EXCEPT CHASSIS GROUND)

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

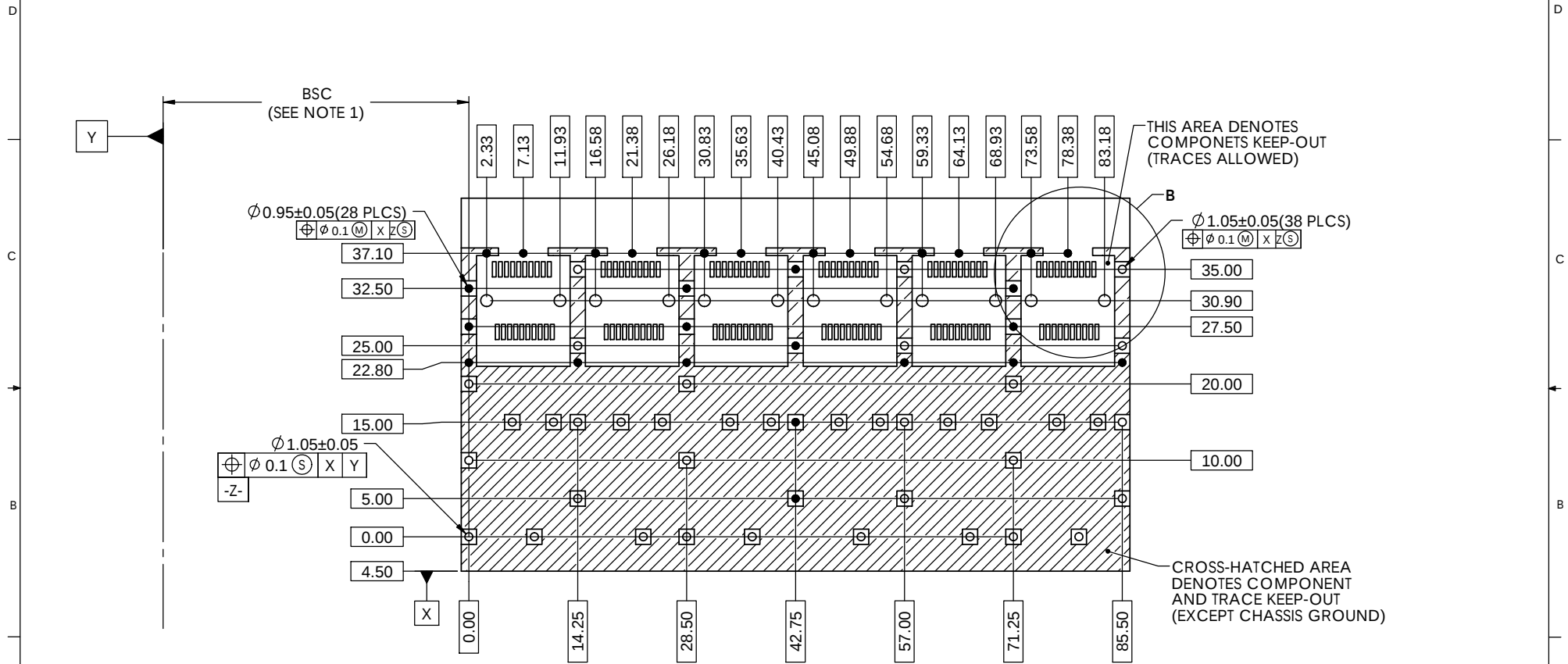
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X.X ± 0.38	± 1°	DESIGNED				
X.XX ± 0.25		CHECKED	J.SJ	MAR14/09		
MATERIAL AND FINISH		QA APPD				
SEE NOTE 1		E APPD			SIZE A3	DWG. NO. P-U77-AX61M-X081
REF.		DWG APPD				
CODE IDENT. NO.	03554	A.G.	MAR14/09	SCALE 2:1	PROJECT	REV. C
						SHEET 8 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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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 1:1		PROJECT	REV. C	
					SHEET 9 OF 10	

8 7 6 5 4 3 2 1

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THIS AREA DENOTES
COMPONENTS KEEP-OUT
(TRACES ALLOWED)

THIS AREA DENOTES
COMPONENTS KEEP-OUT
(TRACES ALLOWED)

$\varnothing 0.95 \pm 0.05$ (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
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SEE NOTE 1		CHECKED J.SJ	MAR14/09		
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E APPD				DWG. NO. P-U77-AX61M-X081	
CODE IDENT. NO. 03554		DWG APPD A.G.	MAR14/09	SCALE 3:2	PROJECT
					SHEET 10 OF 10