

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

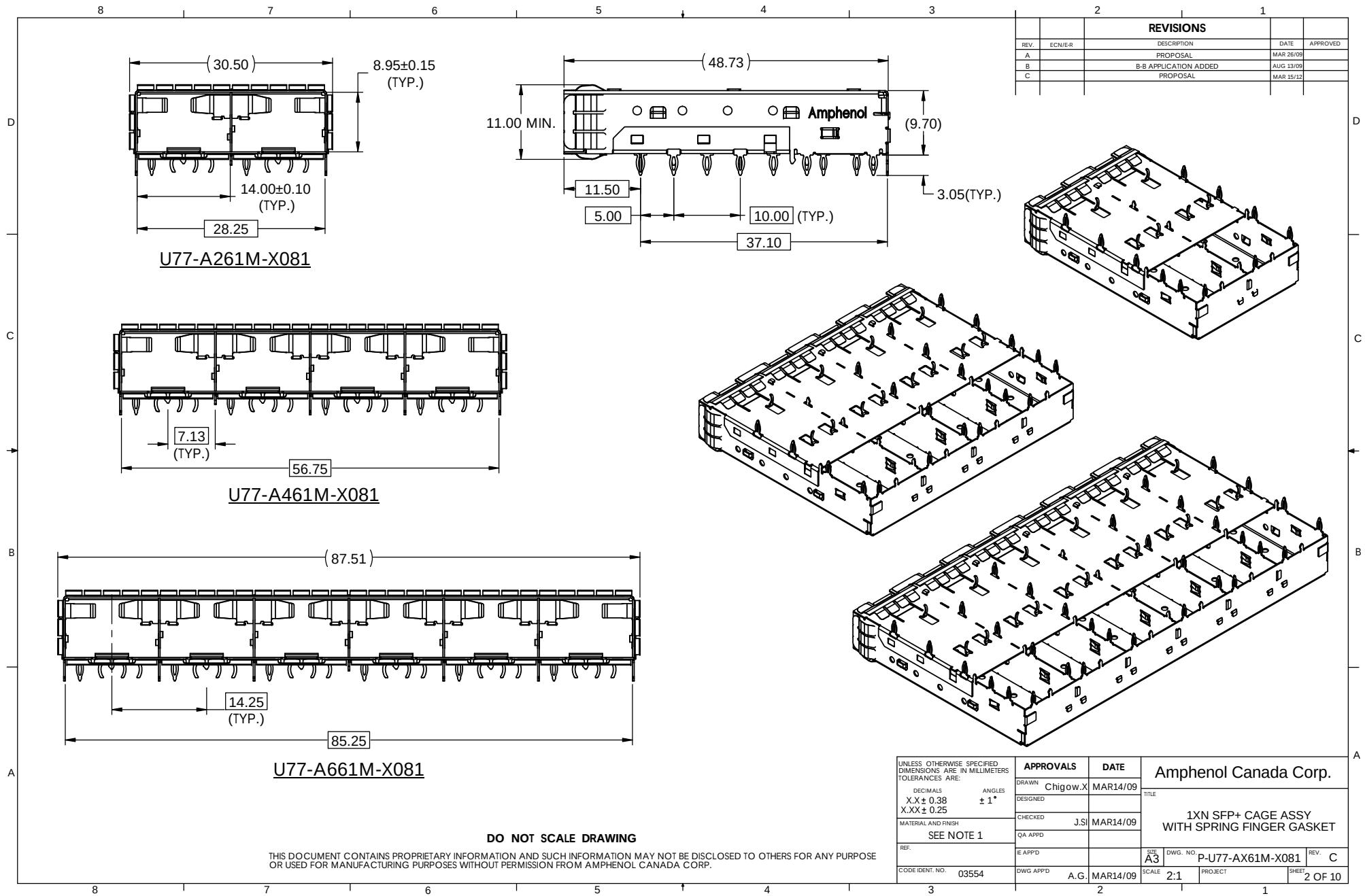
NUMBER OF PORTS
2 = 2 PORTS
4 = 4 PORTS
6 = 6 PORTS

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



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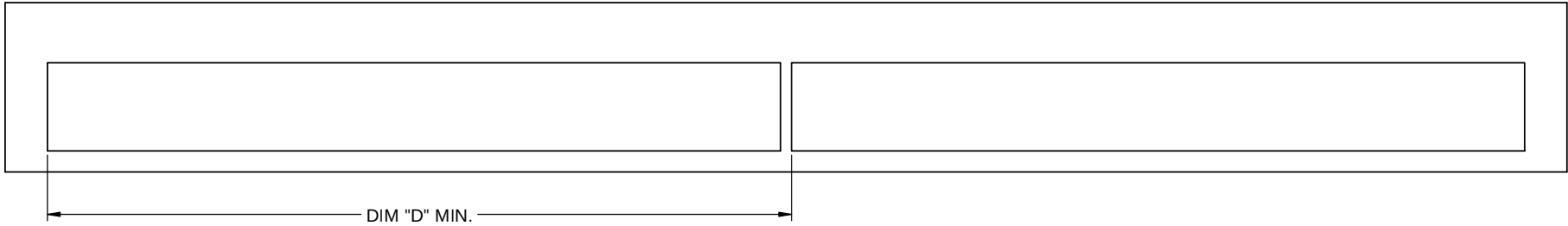
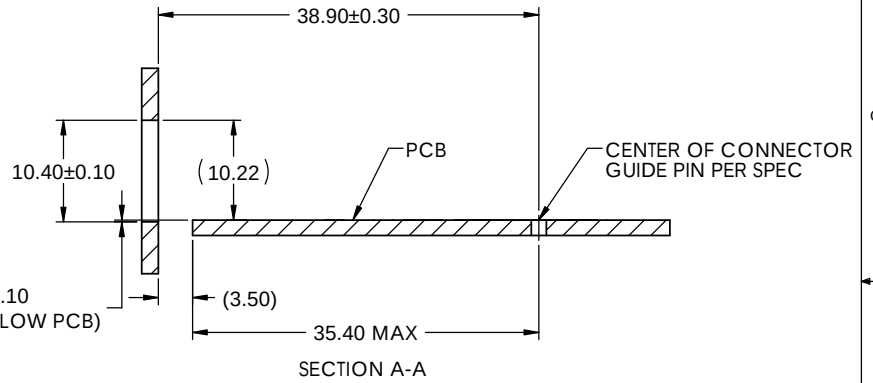
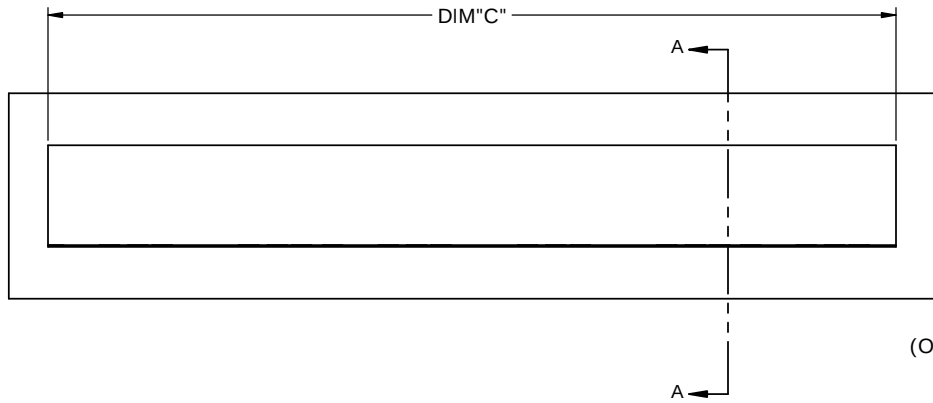
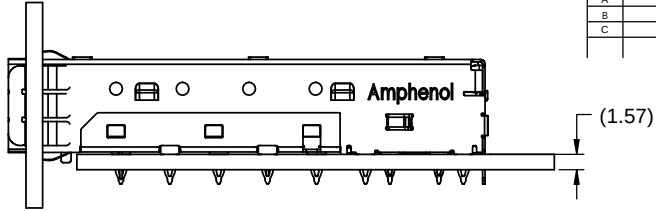
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.XX ± 0.38 ± 1° X.XX ± 0.25 MATERIAL AND FINISH SEE NOTE 1 REF. CODE IDENT. NO. 03554		APPROVALS DRAWN Chigow.X MAR14/09 DESIGNED CHECKED J.SJ MAR14/09 QA APPD E APPD DWG APPD A.G. MAR14/09	DATE MAR14/09	Amphenol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

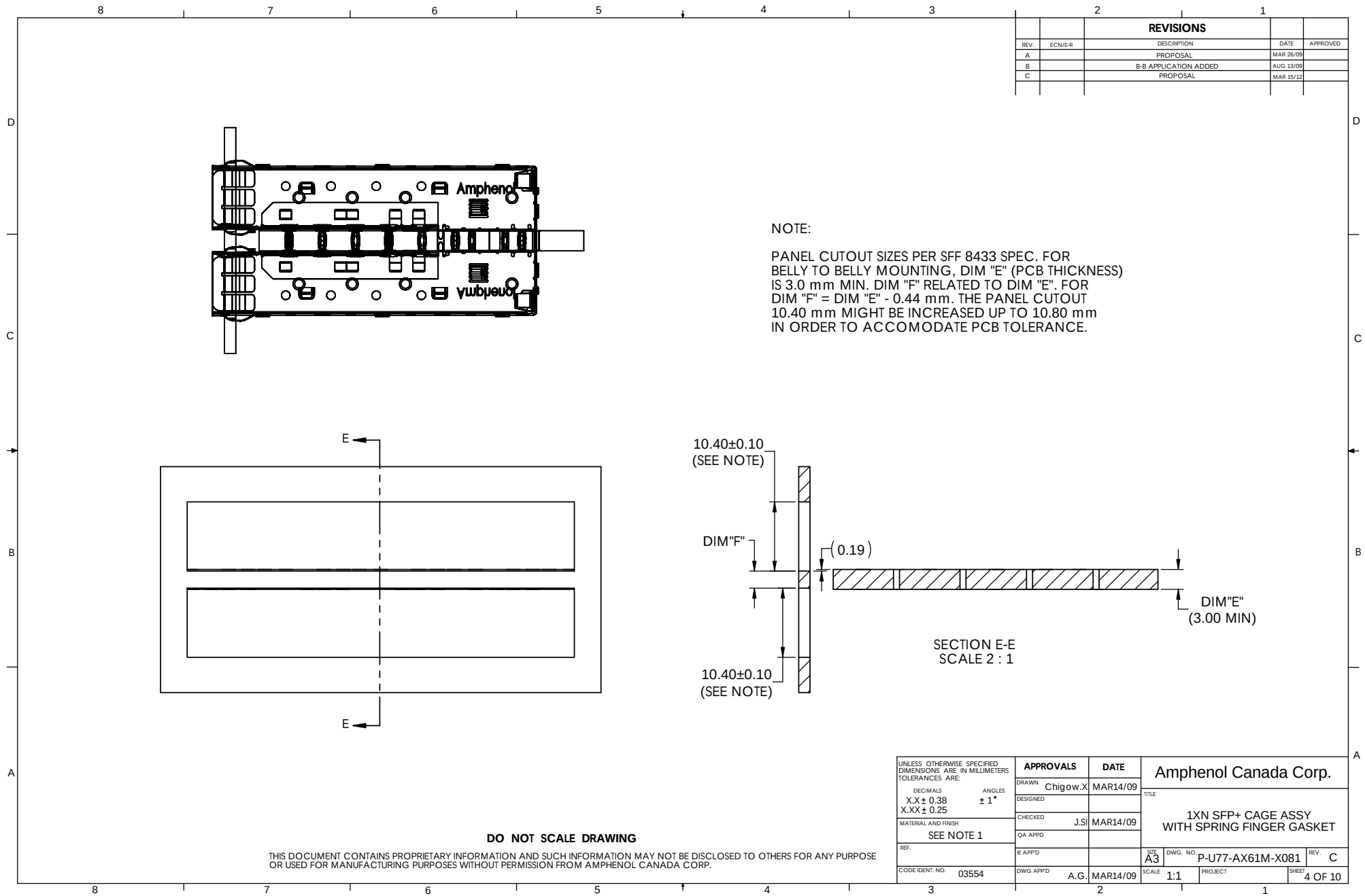
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DECIMALS	ANGLES	DRAWN	Chigow.X	MAR14/09		
X.X ± 0.38	± 1°	DESIGNED			1XN SFP+ CAGE ASSY WITH SPRING FINGER GASKET	
X.XX ± 0.25		CHECKED	J.SJ	MAR14/09		
MATERIAL AND FINISH		QA APPD				
SEE NOTE 1		E APPD				
REF.		DWG APPD			SIZE A3	DWG. NO. P-U77-AX61M-X081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



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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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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
CODE IDENT. NO.	03554	DWG APPD	A.G.	MAR14/09	SCALE 1:1	PROJECT
					SHEET 4 OF 10	REV. C

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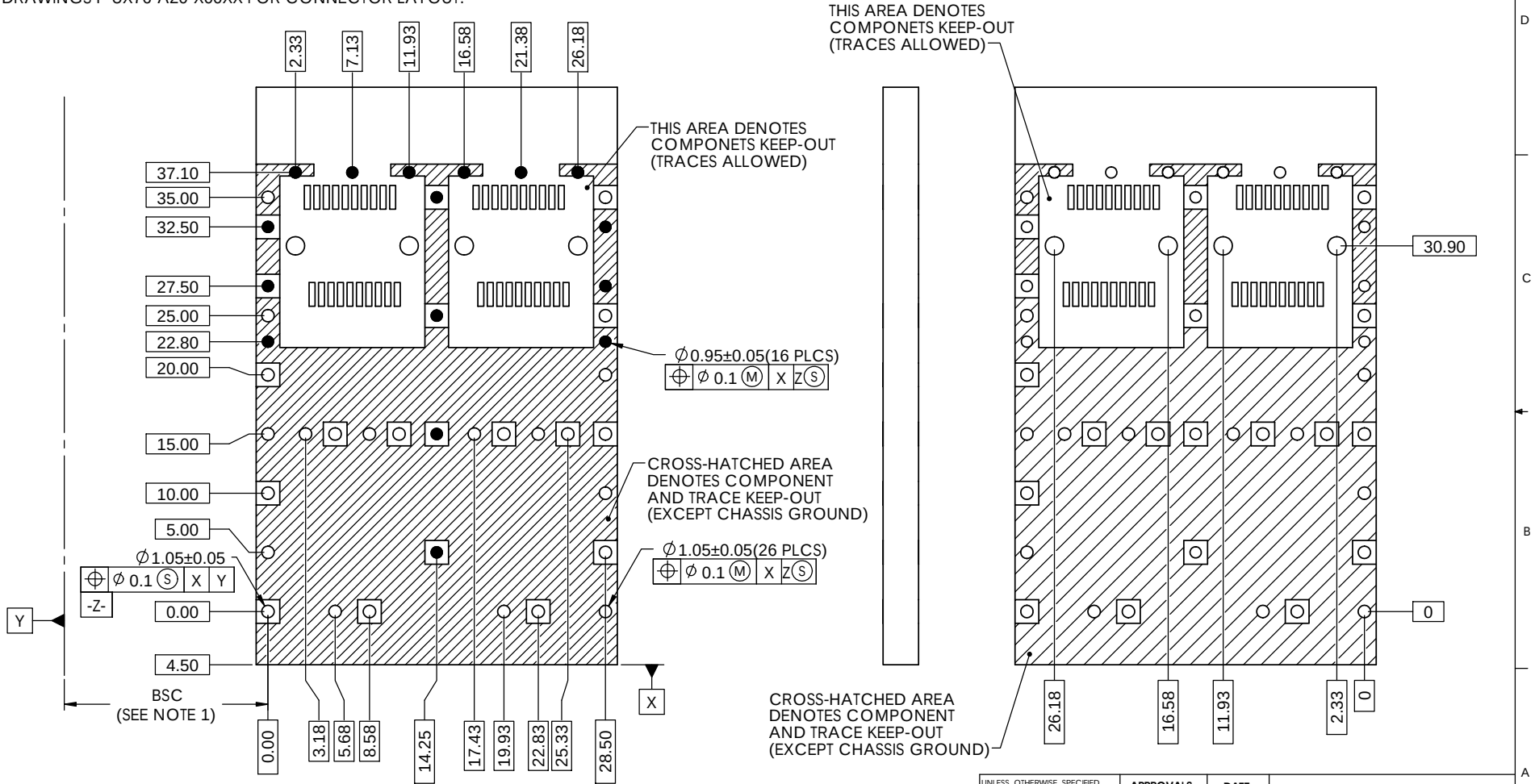
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NOTES:

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.

REVISIONS

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

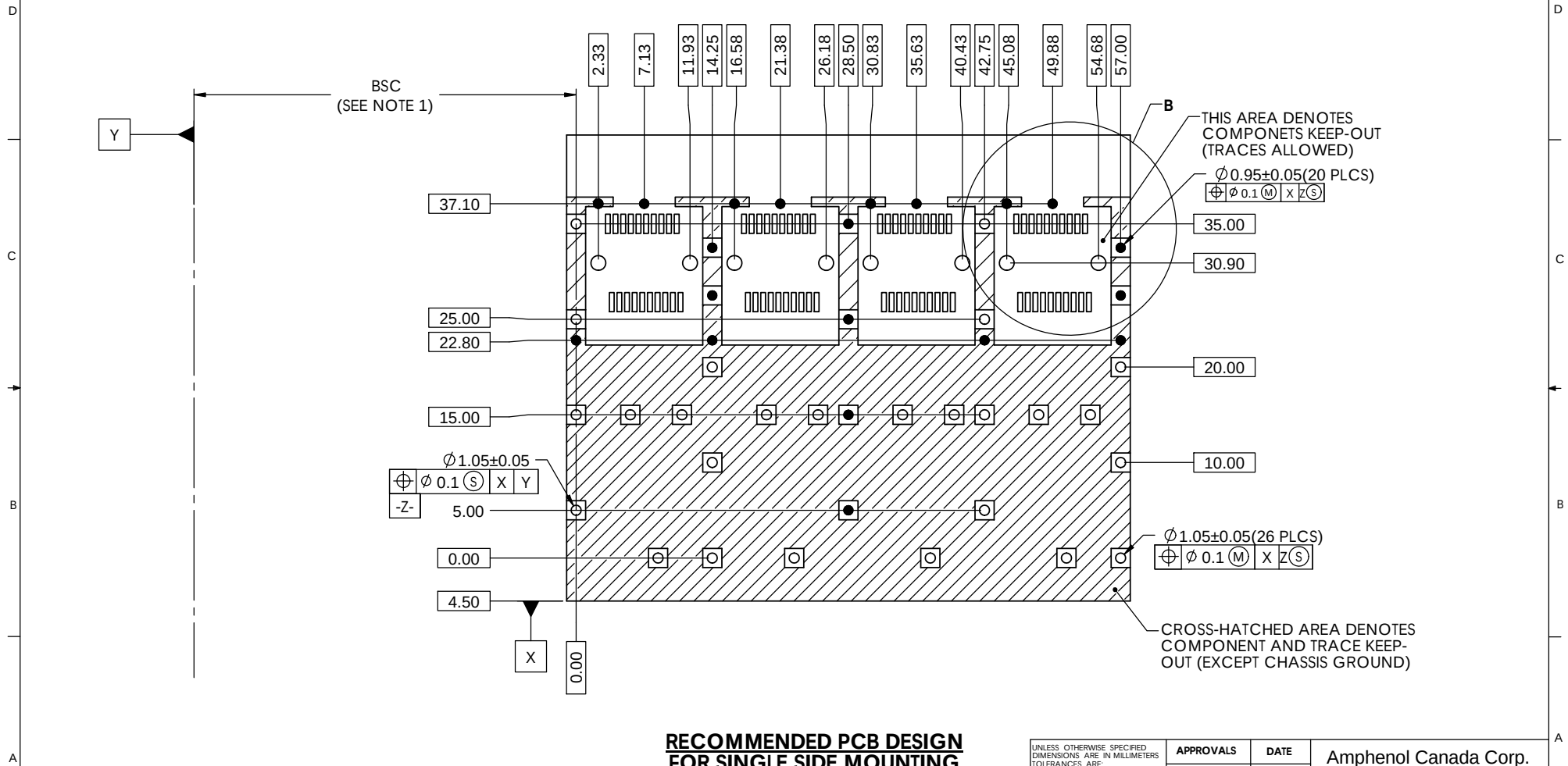
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X.X ± 0.38	± 1°	DESIGNED				
X.XX ± 0.25		CHECKED	J.SJ	MAR14/09		
MATERIAL AND FINISH		QA APPD				
SEE NOTE 1		E APPD			SIZE DWG. NO. A3 P-U77-AX61M-X081	
REF.		DWG APPD	A.G.	MAR14/09	SCALE	PROJECT
CODE IDENT. NO.	03554				3:1	6 OF 10

- 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		DESIGNED									
X.X ± 0.38		CHECKED		MAR14/09							
X.XX ± 0.25		QA APPD									
MATERIAL AND FINISH		SEE NOTE 1									
REF.		E APPD				SIZE		DWG. NO.		REV.	
CODE IDENT. NO.		DWG APPD		MAR14/09		A3		P-U77-AX61M-X081		C	
03554		A.G.				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)**

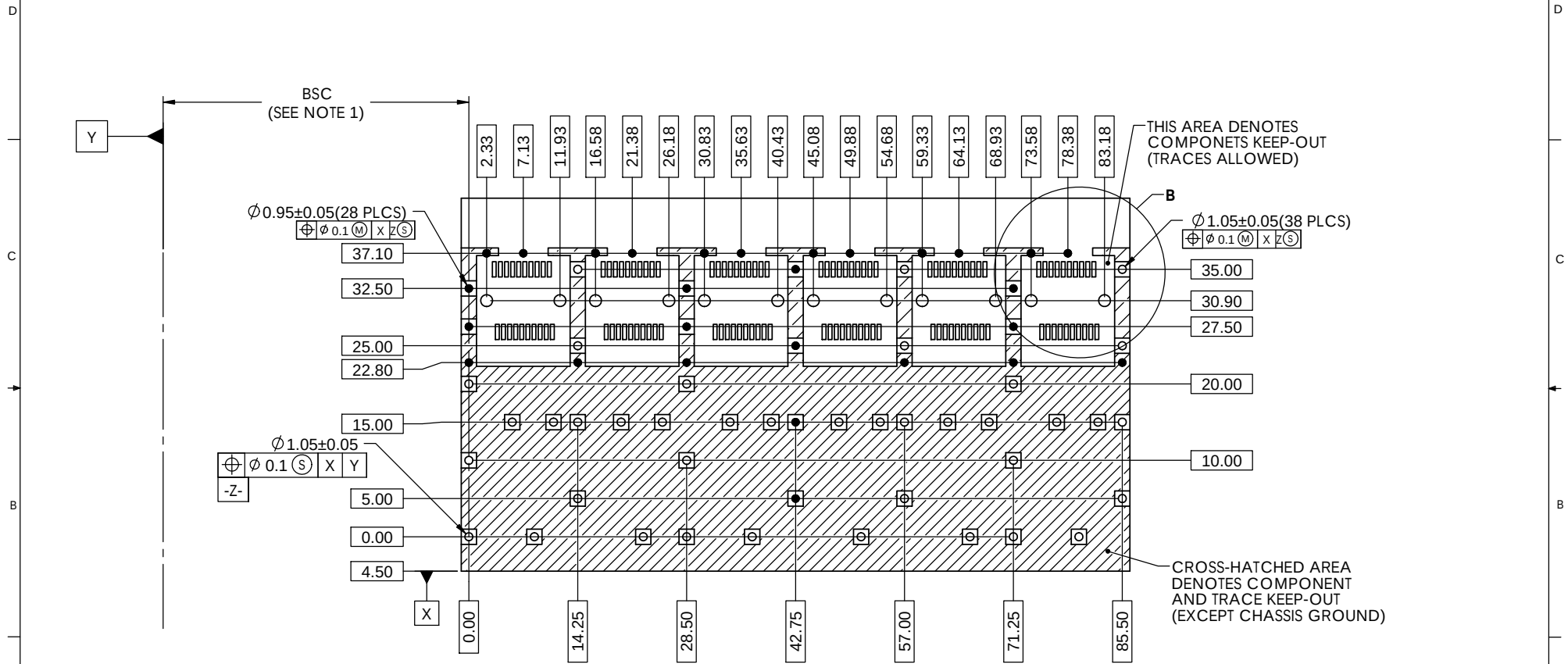
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X.X ± 0.38	± 1°	DESIGNED				
X.XX ± 0.25		CHECKED	J.SJ	MAR14/09		
MATERIAL AND FINISH		QA APPD				
SEE NOTE 1		E APPD			SIZE A3	DWG. NO. P-U77-AX61M-X081
REF.		DWG APPD				
CODE IDENT. NO.	03554	A.G.	MAR14/09	SCALE 2:1	PROJECT	REV. C
						SHEET 8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

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