

REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	



MATERIAL:
COPPER ALLOY

PLATING OPTION Y=2:
2.54um MIN. NICKEL

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

LIGHT PIPE:
CLEAR POLYCARBONATE

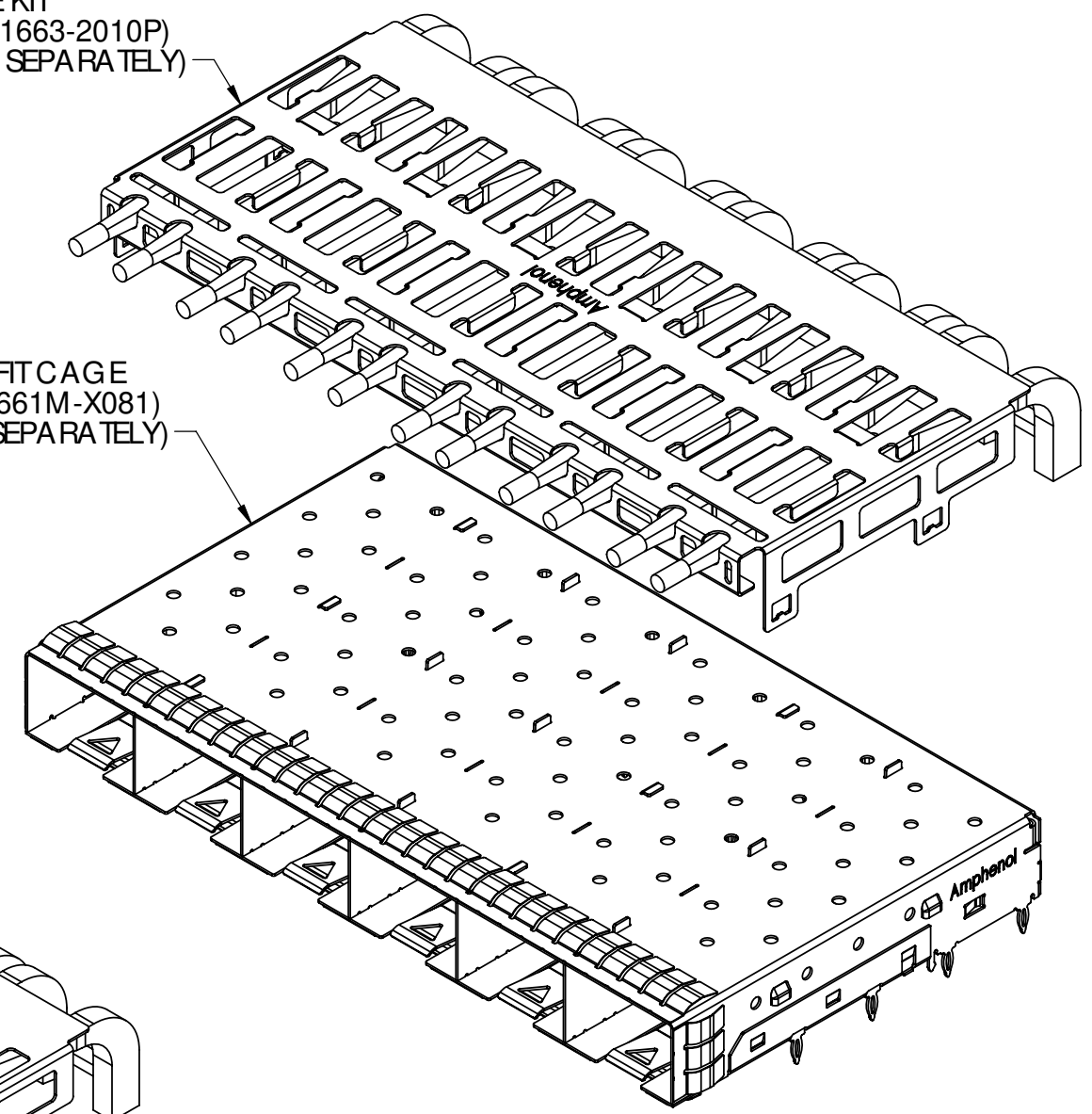
BRACKET FOR LIGHT PIPE:
STAINLESS STEEL

PACKAGING:
TRAY PACKAGING

TEMPERATURE RANGE:
-40C TO +85C

LIGHT PIPE KIT
(P/N: U77-1663-2010P)
(IF ORDER SEPARATELY)

SFP+PRESS FIT CAGE
(P/N U77-A661M-X081)
(IF ORDER SEPARATELY)



P/N: U77-C661M-X081 SHOWN

AMPHENOL PART NUMBER CONFIGURATION

U77 - C X 6 1 M - Y 0 8 1

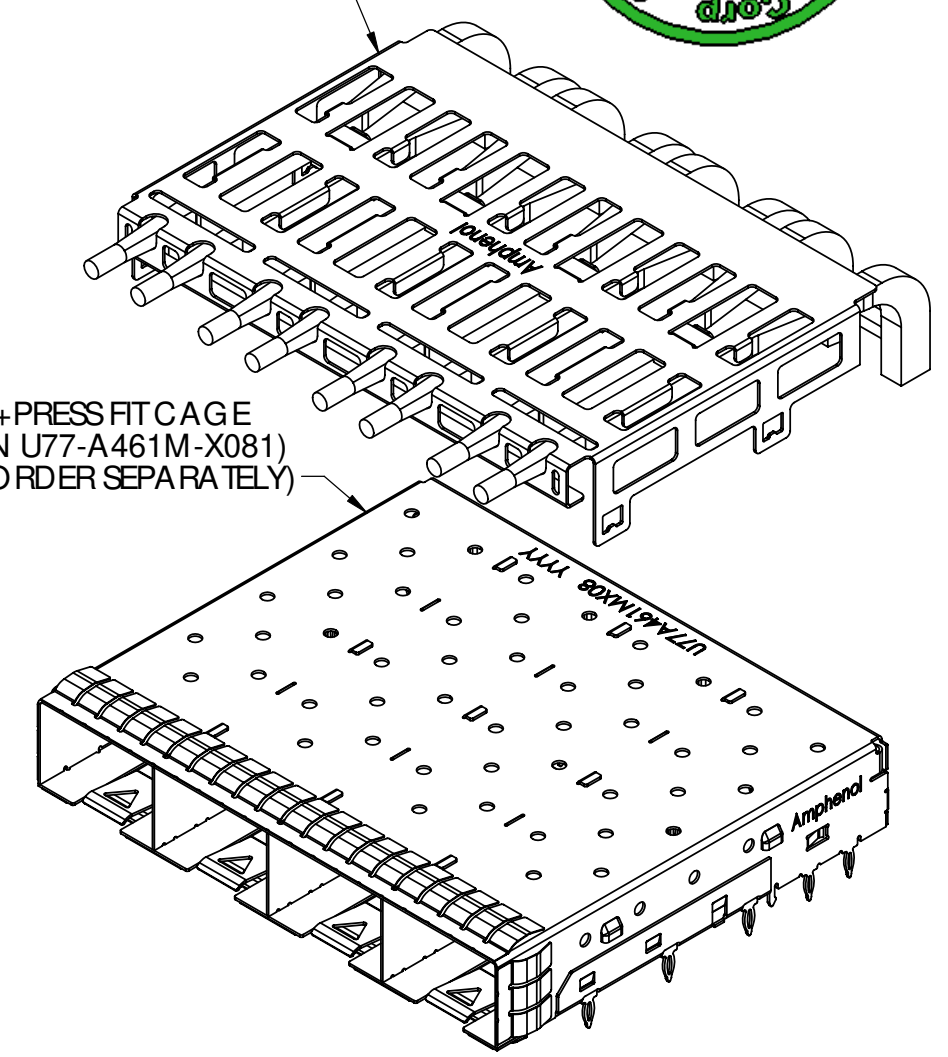
PACKAGING
1 = TRAY PACKAGING

PLATING
2 = NICKEL PLATING
3 = MATTE TIN PLATING

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

LIGHT PIPE KIT
(P/N: U77-1463-2010P)
(IF ORDER SEPARATELY)

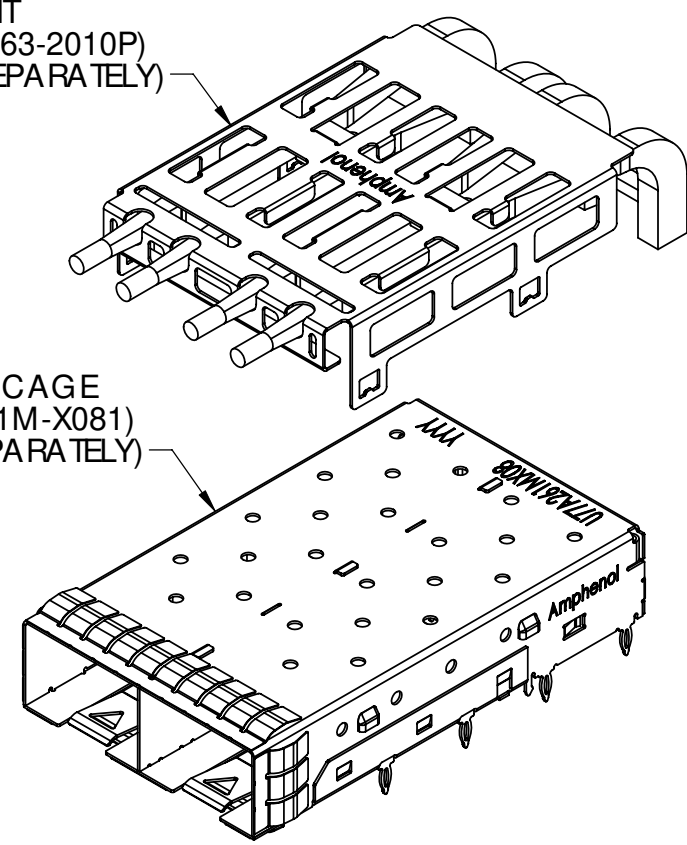
SFP+PRESS FIT CAGE
(P/N U77-A461M-X081)
(IF ORDER SEPARATELY)



P/N: U77-C461M-X081 SHOWN

LIGHT PIPE KIT
(P/N: U77-1263-2010P)
(IF ORDER SEPARATELY)

SFP+PRESS FIT CAGE
(P/N U77-A261M-X081)
(IF ORDER SEPARATELY)



P/N: U77-C261M-X081 SHOWN

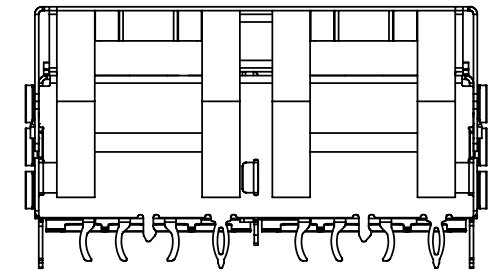
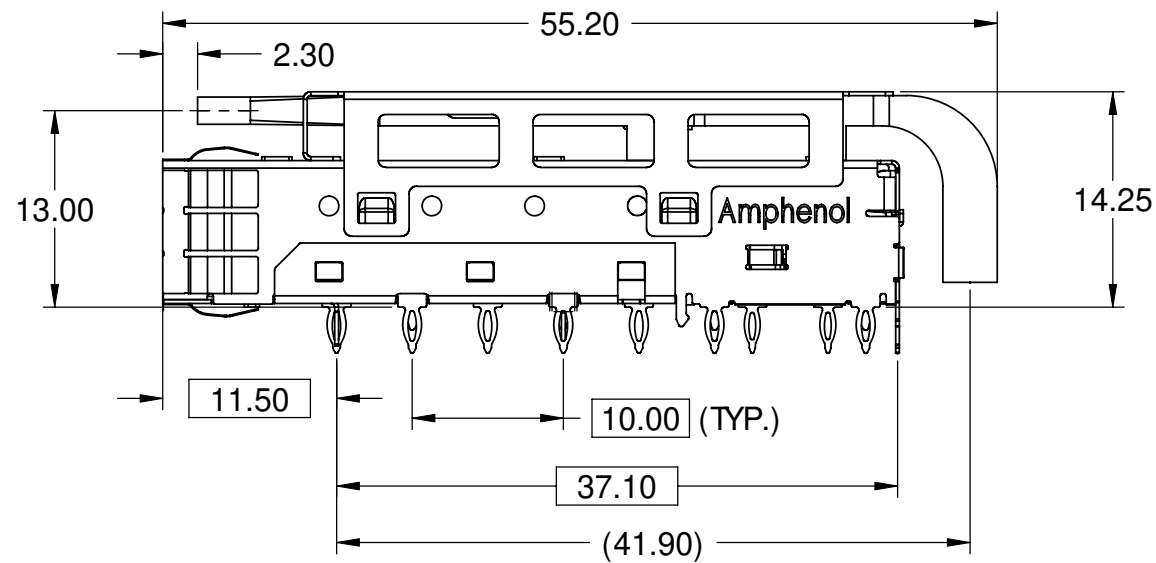
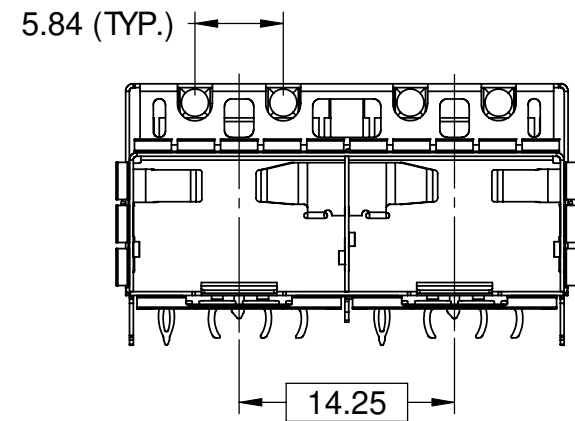
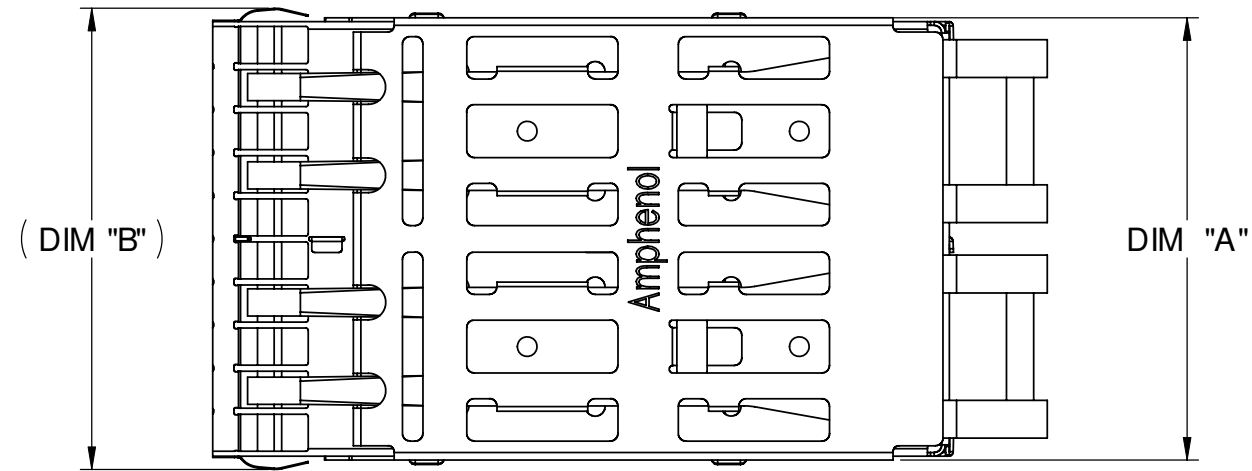
DO NOT SCALE DRAWING

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	Jane.Z	MAR13/09	TITLE	
X.X ± 0.38	± 1°	DESIGNED			1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
X.XX ± 0.25		CHECKED	J.S	MAR25/09	SIZE	DWG. NO.
MATERIAL AND FINISH		QA APPD			A3	P-U77-CX61M-X081
SEE NOTE 1		IE APPD			SCALE	PROJECT
REF.		DWG APPD	A.G	MAR25/09	3:2	
CODE IDENT. NO.	03554				SHEET	1 OF 11

PARTNUMBER	DIM"A"	DIM"B"
U77-C261M-X081	29.26	30.51
U77-C461M-X081	57.76	59.01
U77-C661M-X081	86.26	87.51

REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	

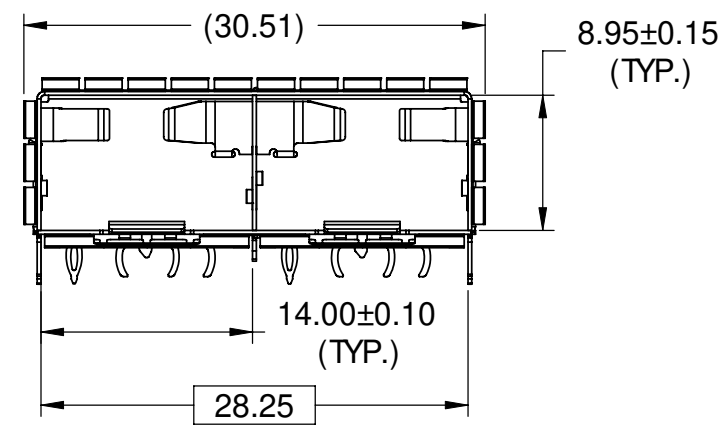


DO NOT SCALE DRAWING

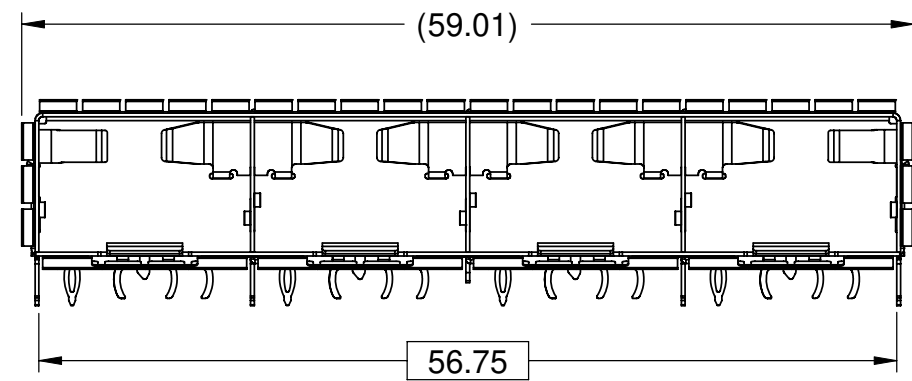
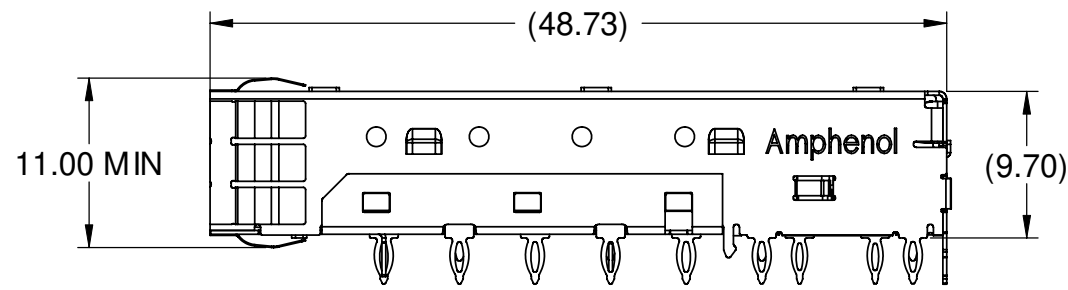
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.X ± 0.38 ± 1° X.XX ± 0.25	APPROVALS	DATE	Amphenol Canada Corp.	
	DRAWN Jane.Z	MAR13/09		
	CHECKED J.S	MAR25/09	1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
	QA APPD			
MATERIAL AND FINISH SEE NOTE 1	IE APPD		SIZE A3	DWG. NO. P-U77-CX61M-X081
REF.	DWG APPD A.G	MAR25/09	SCALE 1:1	PROJECT
CODE IDENT. NO. 03554				SHEET 2 OF 11

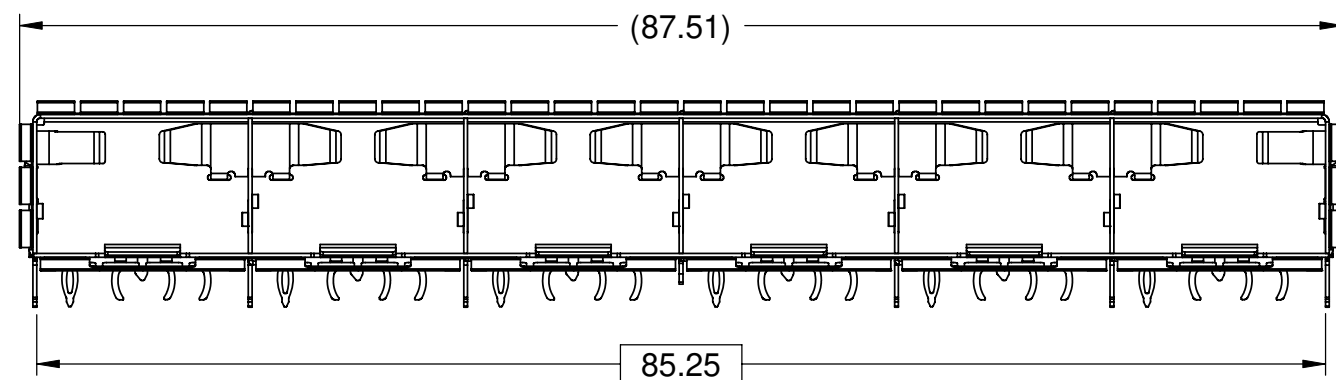
REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	



U77-A261M-X081



U77-A461M-X081



U77-A661M-X081

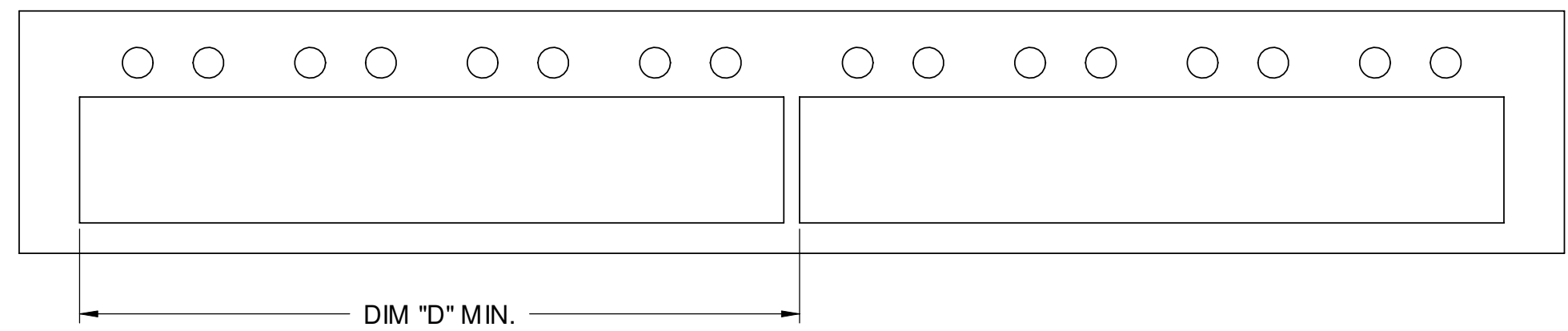
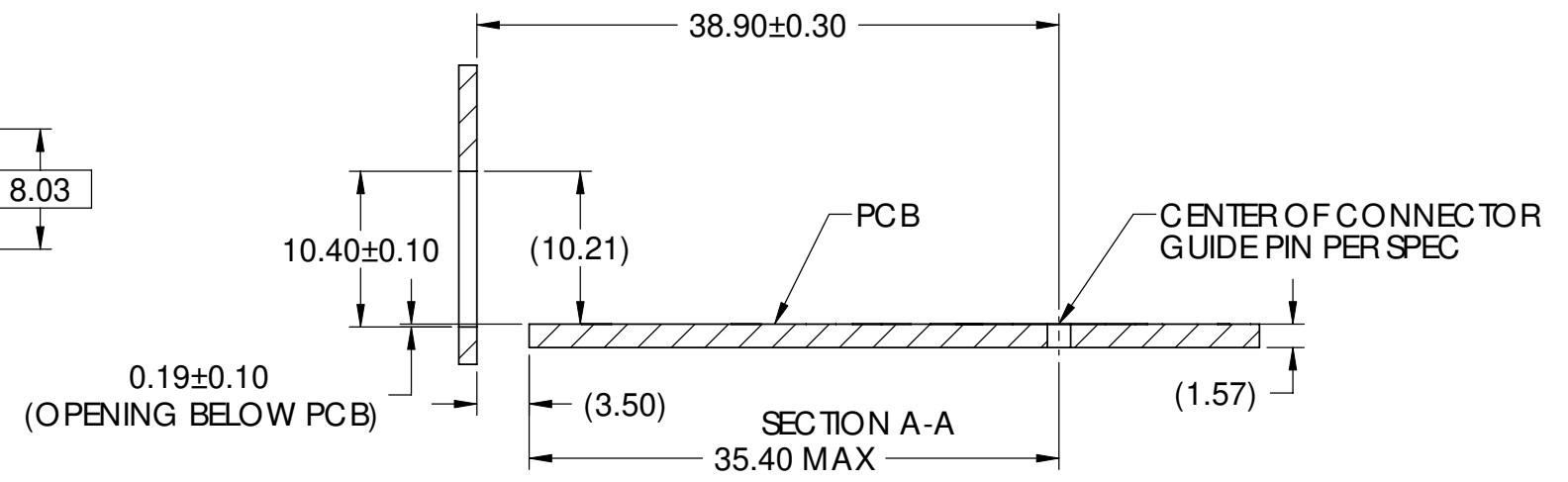
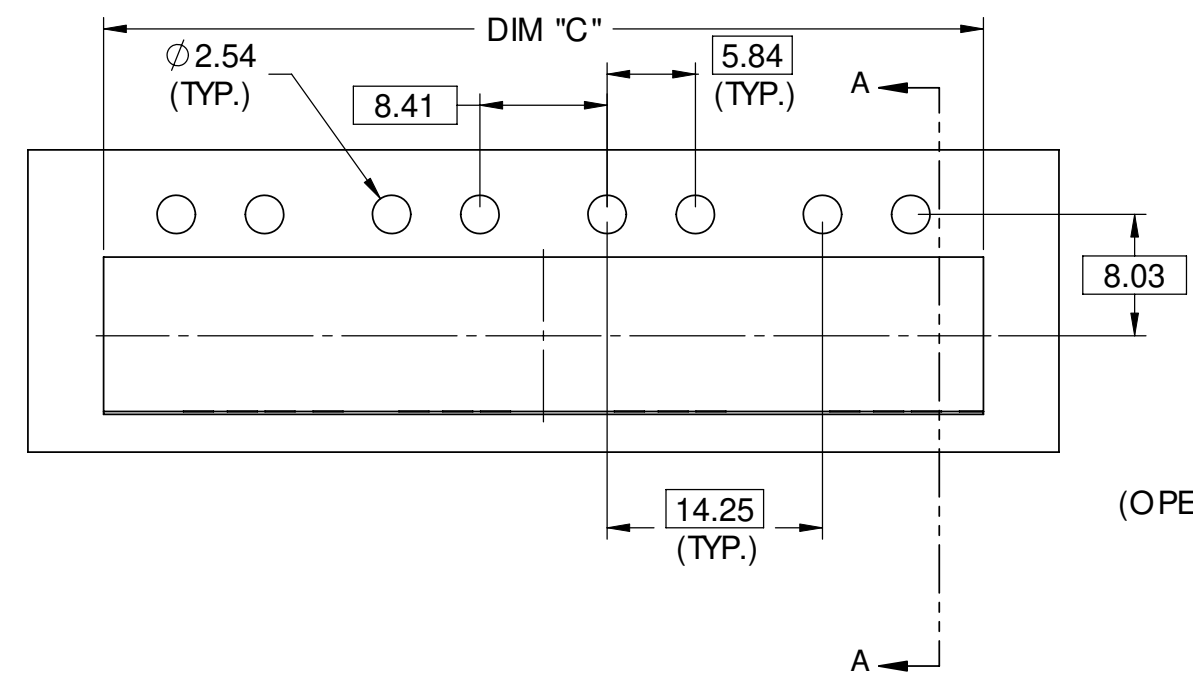
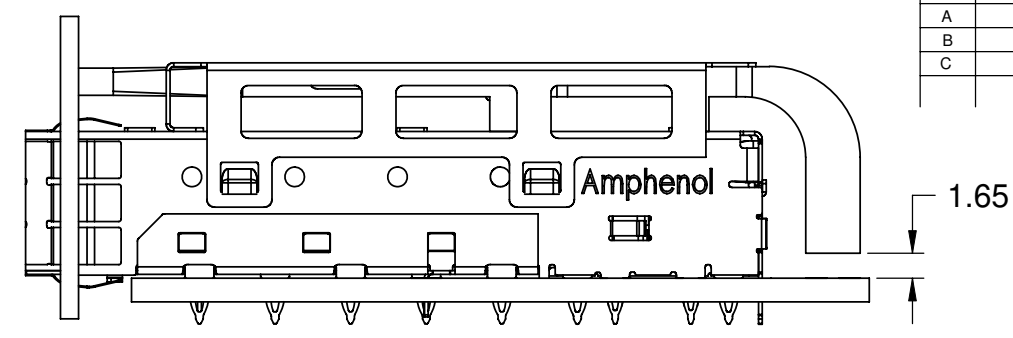
DO NOT SCALE DRAWING

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:		APPROVALS		DATE	Amphenol Canada Corp.	
DECIMALS	ANGLES	DRAWN	Jane.Z	MAR13/09		
X.X ± 0.38	± 1°	DESIGNED			1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
X.XX ± 0.25		CHECKED	J.S	MAR25/09		
MATERIAL AND FINISH		QA APPD			SIZE A3 DWG. NO. P-U77-CX61M-X081 REV. C	
SEE NOTE 1		IE APPD				
REF.		DWG APPD		A.G	MAR25/09	SCALE 4:1 PROJECT SHEET 3 OF 11
CODE IDENT. NO.	03554					

PARTNUMBER	DIM "C"	DIM "D"
U77-C261M-X081	29.70	31.00
U77-C461M-X081	58.20	59.50
U77-C661M-X081	86.70	88.00

REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	

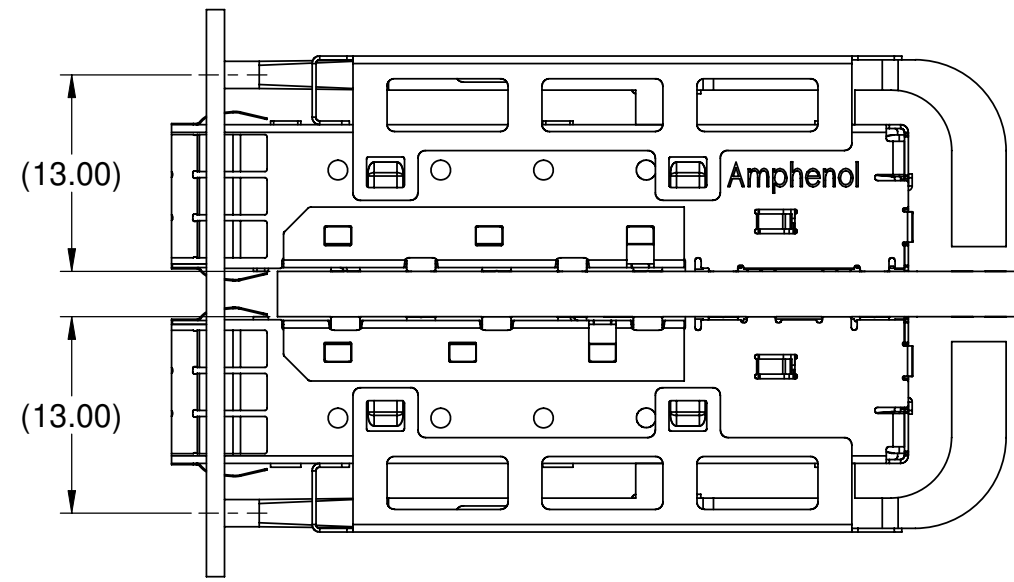


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE	Amphenol Canada Corp.	
DECIMALS	ANGLES	DRAWN	Jane.Z	MAR13/09		
X.X ± 0.38	± 1°	DESIGNED			1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
X.XX ± 0.25		CHECKED	J.S	MAR25/09		
MATERIAL AND FINISH		QA APPD			SIZE A3 DWG. NO. P-U77-CX61M-X081 REV. C	
SEE NOTE 1						
REF.		IE APPD			SCALE 2:1 PROJECT SHEET 4 OF 11	
CODE IDENT. NO. 03554		DWG APPD A.G		MAR25/09		

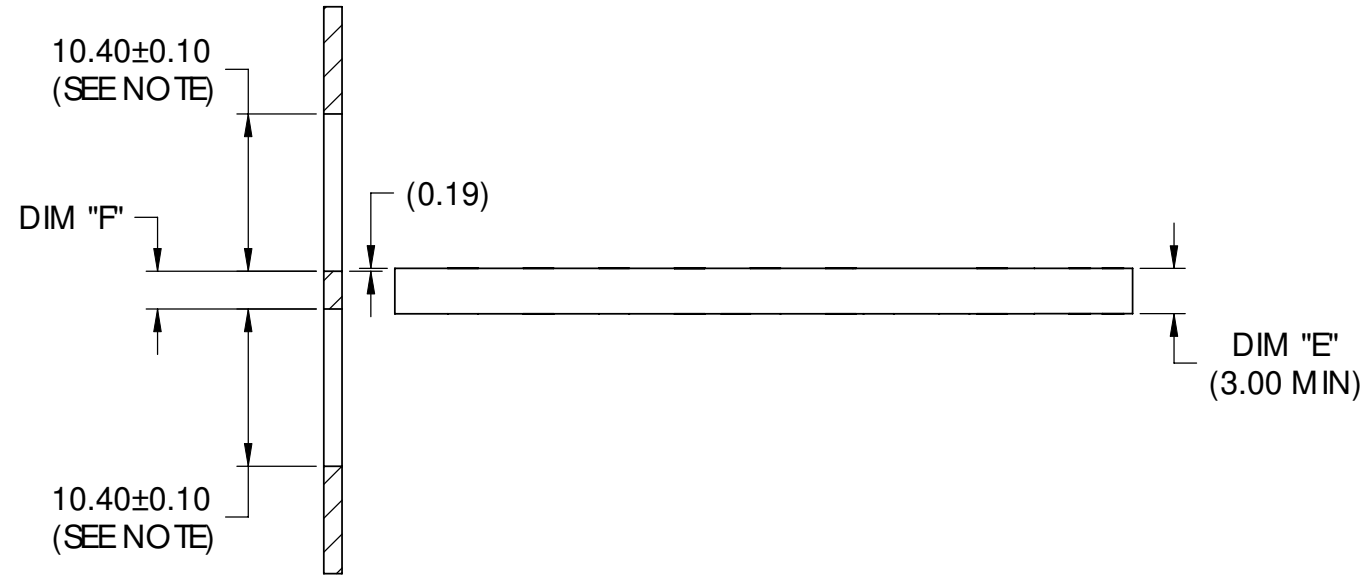
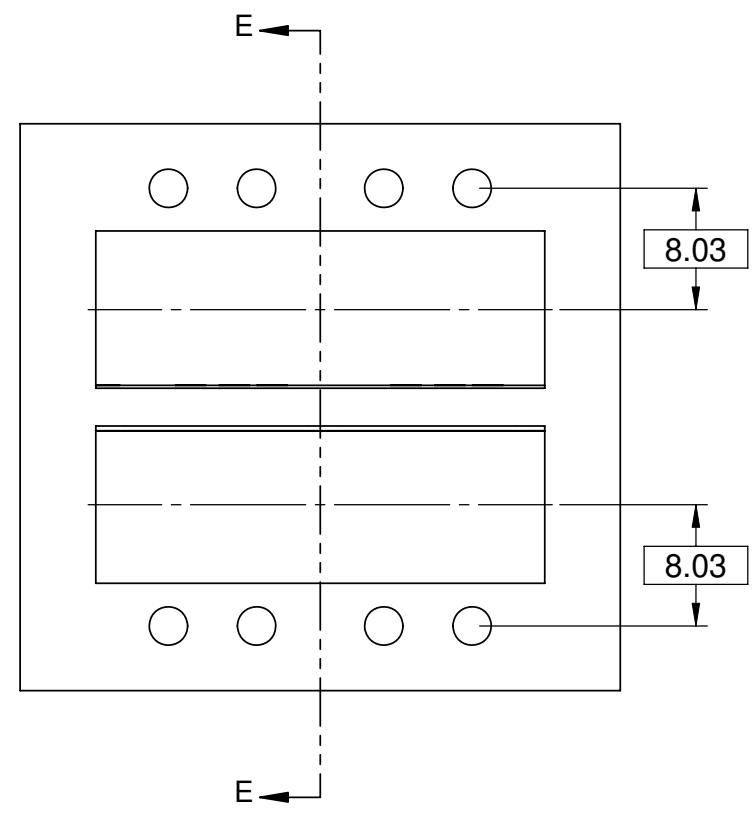
DO NOT SCALE DRAWING

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.

REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	



NOTE:
 PANEL CUTO UT 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 CUTO UT 10.40 mm MIGHT BE INCREASED UP TO 10.80 mm IN ORDER TO ACCOMODATE PCB TOLERANCE.



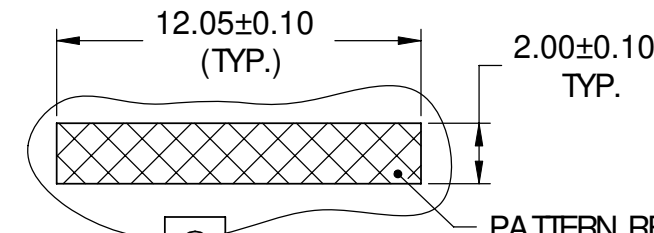
SECTION E-E

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	Jane.Z	MAR13/09	TITLE	
X.X ± 0.38	± 1°	DESIGNED			1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
X.XX ± 0.25		CHECKED	J.S	MAR25/09	SIZE A3 DWG. NO. P-U77-CX61M-X081 REV. C	
MATERIAL AND FINISH		QA APPD			SCALE 2:1 PROJECT SHEET 5 OF 11	
SEE NOTE 1		IE APPD				
REF.		DWG APPD	A.G	MAR25/09		
CODE IDENT. NO.	03554					

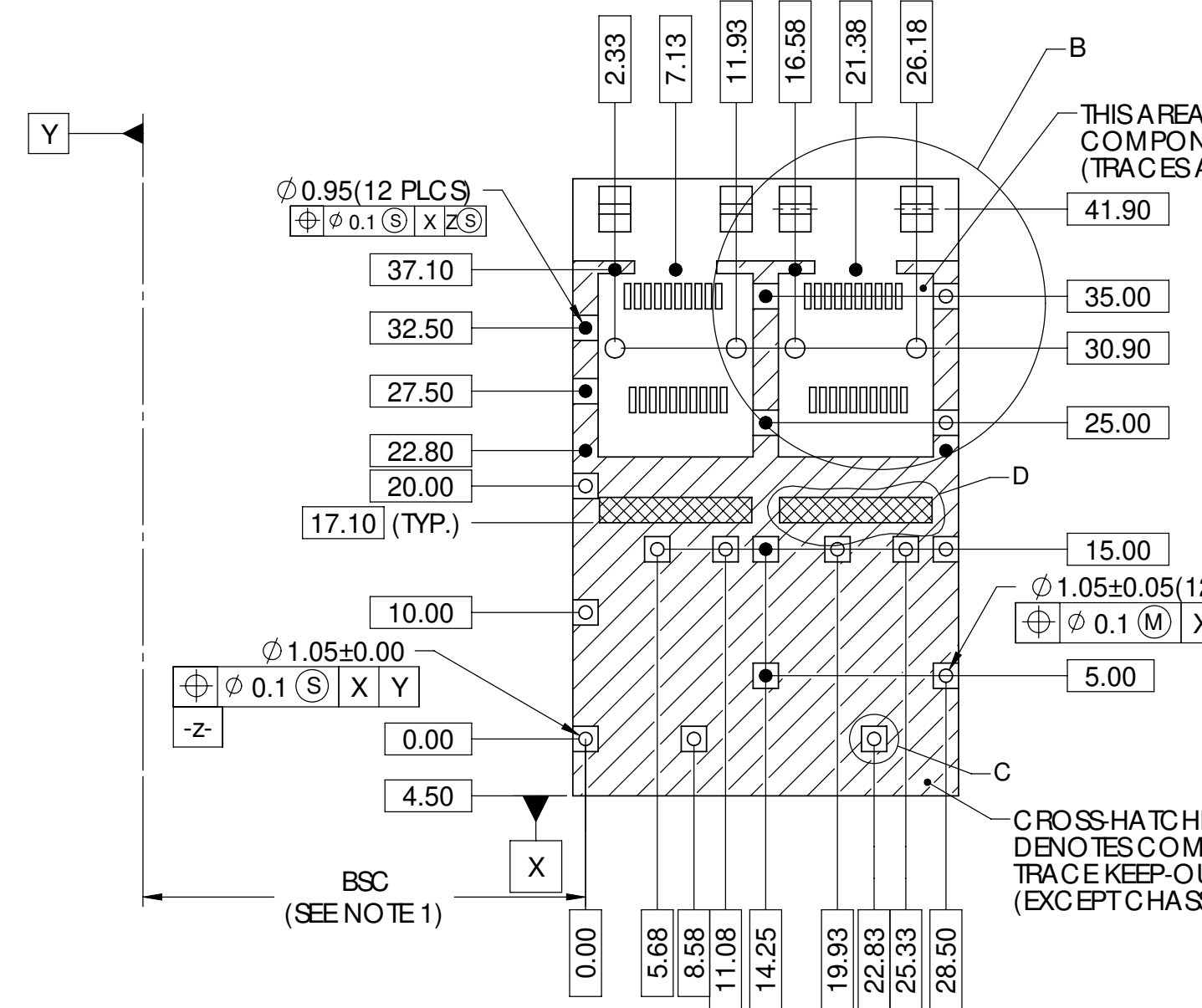
- NOTES:
 1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
 2. PADS AND VIAS ARE CHASSIS GROUND.
 3. THRU-HOLES, PLATING OPTIONAL.
 4. SEE DRAWINGS P-U76-A20-X00XX FOR CONNECTOR LAYOUT.

REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	



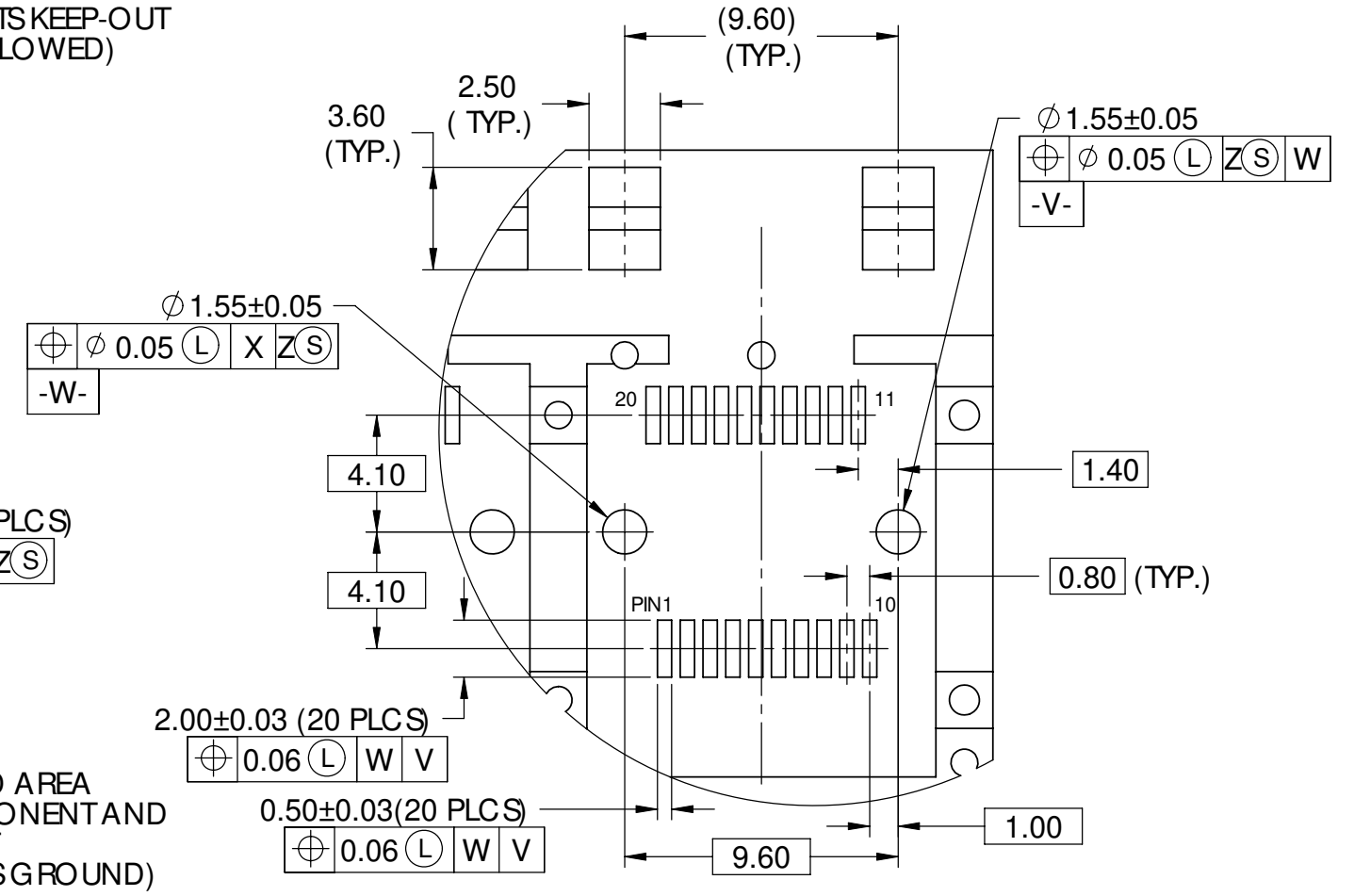
PATTERN REPEATS FOR EACH PORT.
 SPACING BETWEEN PORTS IS 14.25mm.
 APPLIES TO ALL GANGED LAYOUTS

DETAIL D
 SCALE 4 : 1

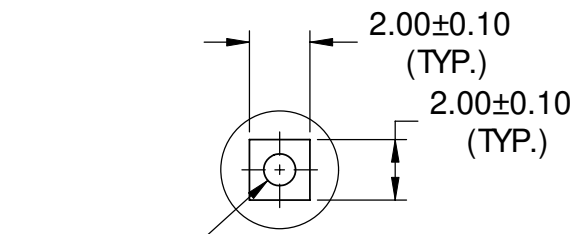


THIS AREA DENOTES
 COMPONENTS KEEP-OUT
 (TRACES ALLOWED)

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-C261M-X081)**

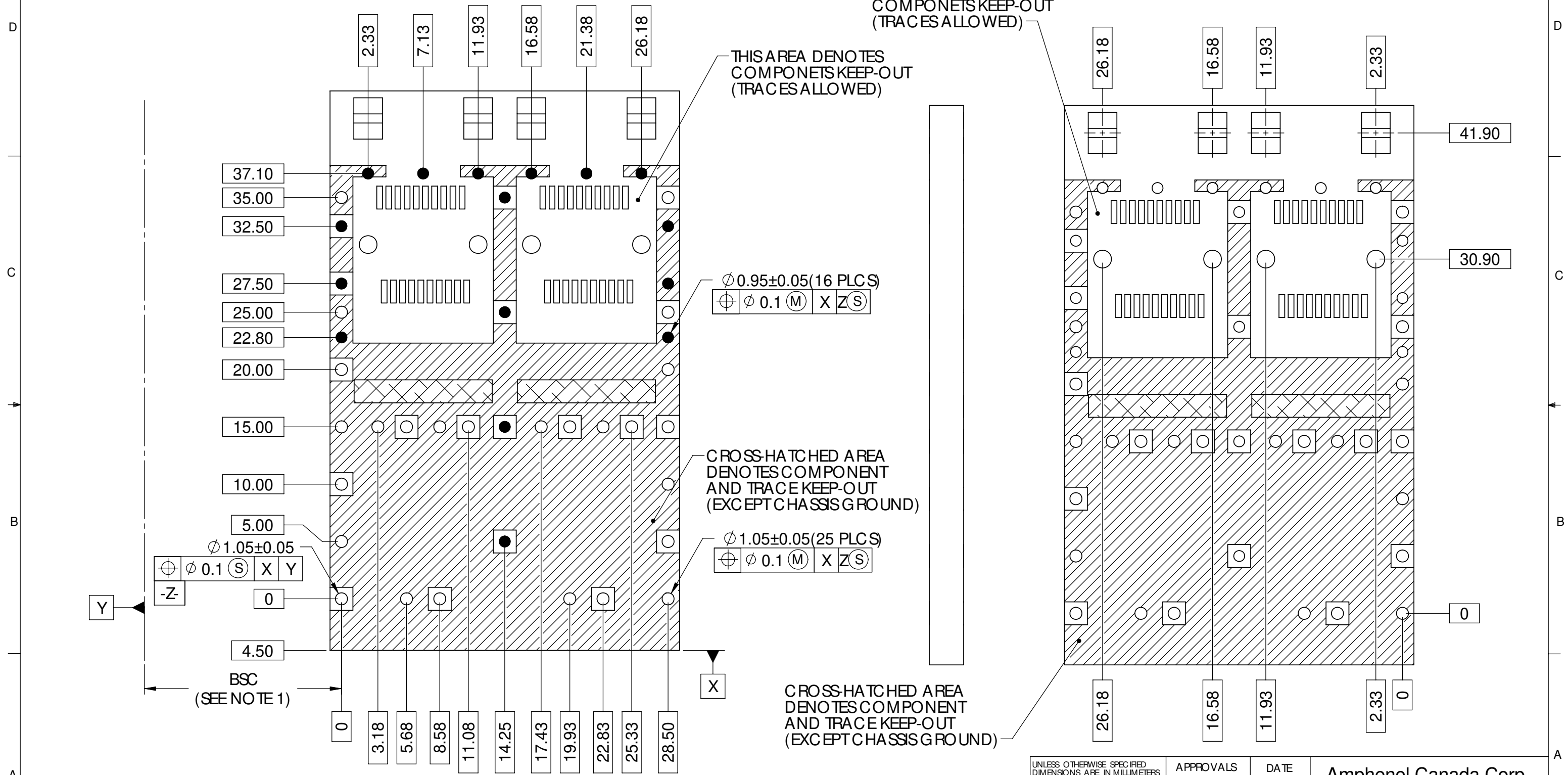
DO NOT SCALE DRAWING

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.X ± 0.38 ± 1° X.XX ± 0.25	APPROVALS	DATE	Amphenol Canada Corp.
	DRAWN Jane.Z	MAR13/09	
MATERIAL AND FINISH SEE NOTE 1	CHECKED J.S	MAR25/09	1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE
	QA APPD		
REF.	IE APPD		SIZE A3
CODE IDENT. NO. 03554	DWG APPD A.G	MAR25/09	DWG. NO. P-U77-CX61M-X081
			SCALE 2:1
			PROJECT
			SHEET 6 OF 11

- 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	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	



RECOMMENDED PCB DESIGN FOR BELLY TO BELLY MOUNTING

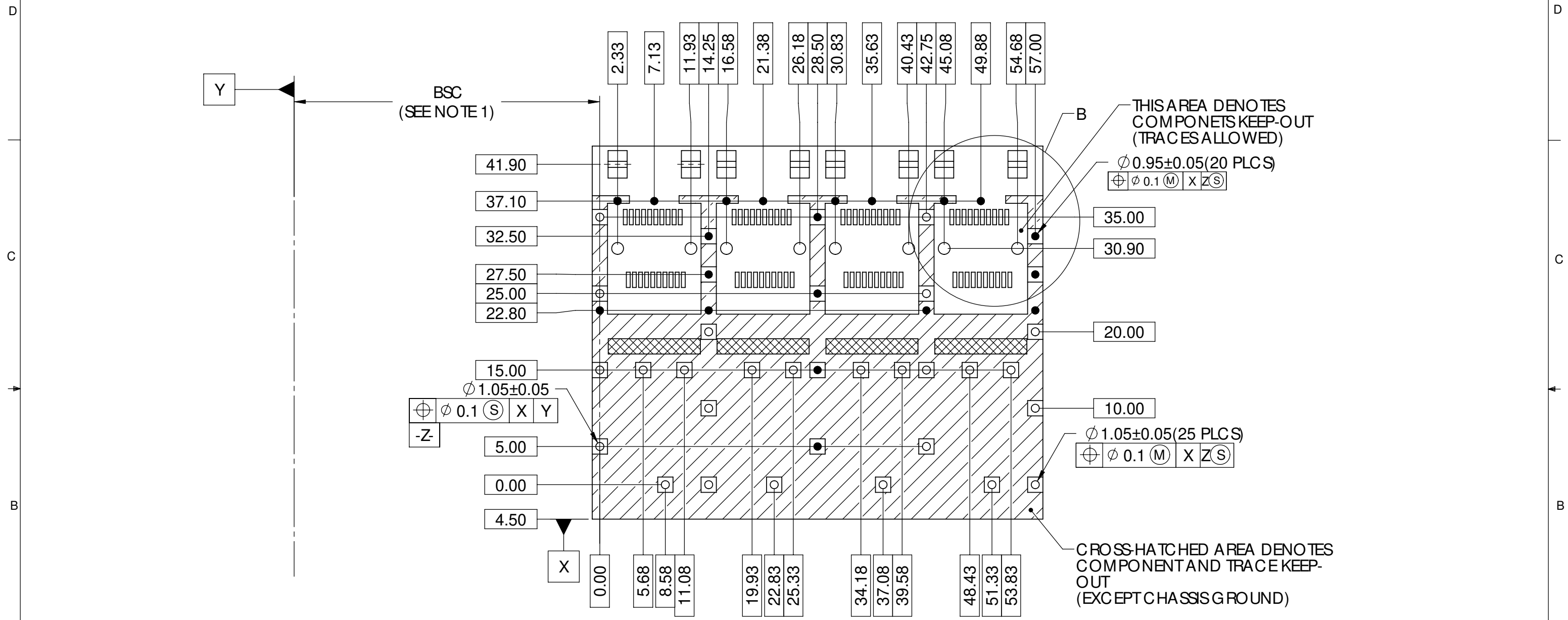
DO NOT SCALE DRAWING

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.X ± 0.38 ± 1° X.XX ± 0.25	APPROVALS	DATE	Amphenol Canada Corp.
	DRAWN Jane.Z	MAR13/09	
MATERIAL AND FINISH SEE NOTE 1	CHECKED J.S	MAR25/09	1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE
	QA APPD		
REF.	IE APPD		SIZE A3 DWG. NO. P-U77-CX61M-X081 REV. C
CODE IDENT. NO. 03554	DWG APPD A.G	MAR25/09	SCALE 3:1 PROJECT SHEET 7 OF 11

- 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-U76-A20-X00XX FOR CONNECTOR LAYOUT.

REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	



**RECOMMENDED PCB DESIGN
 FOR SINGLE SIDE MOUNTING
 (P/N U77-C461M-X081)**

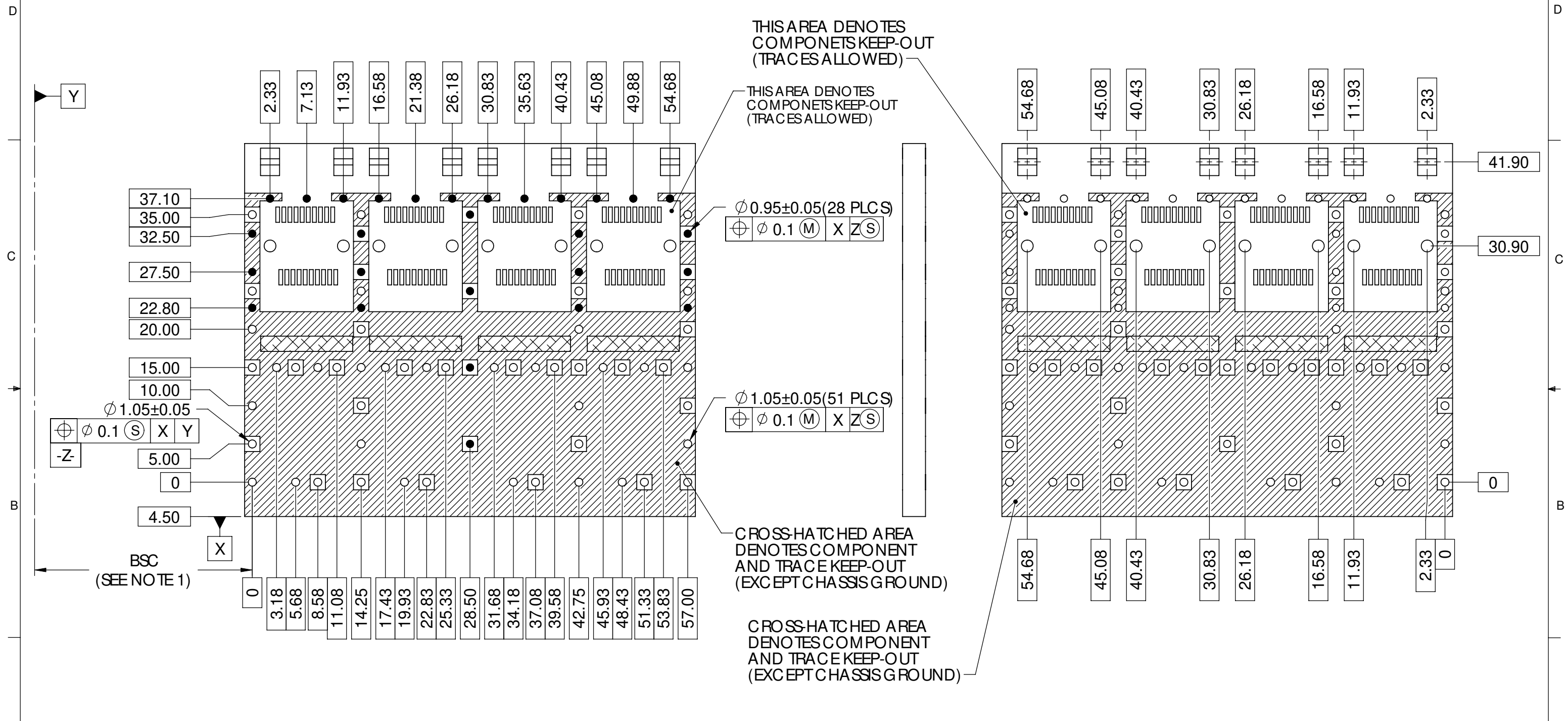
DO NOT SCALE DRAWING

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.X ± 0.38 ± 1° X.XX ± 0.25	APPROVALS	DATE	Amphenol Canada Corp.	
	DRAWN Jane.Z	MAR13/09		
	CHECKED J.S	MAR25/09	1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
	QA APPD			
MATERIAL AND FINISH SEE NOTE 1	IE APPD		SIZE A3	DWG. NO. P-U77-CX61M-X081
REF.	DWG APPD A.G	MAR25/09	SCALE 1:1	PROJECT
CODE IDENT. NO. 03554				SHEET 8 OF 11

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

REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	



**RECOMMENDED PCB DESIGN
 FOR BELLY TO BELLY MOUNTING**

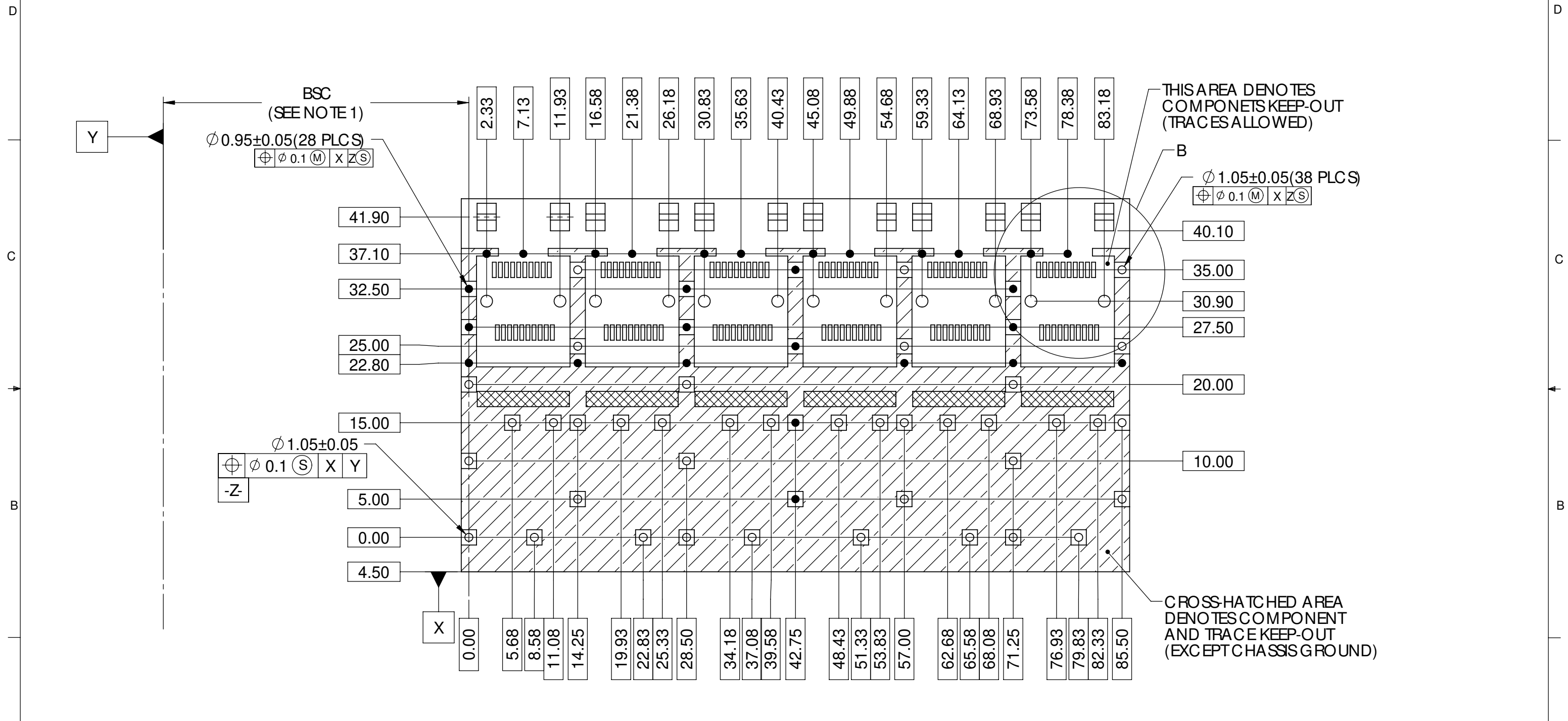
DO NOT SCALE DRAWING

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.X ± 0.38 ± 1° X.XX ± 0.25	APPROVALS	DATE	Amphenol Canada Corp.
	DRAWN Jane.Z	MAR13/09	
MATERIAL AND FINISH SEE NOTE 1	CHECKED J.S	MAR25/09	1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE
	QA APPD		
REF.	IE APPD		SIZE A3 DWG. NO. P-U77-CX61M-X081 REV. C
CODE IDENT. NO. 03554	DWG APPD A.G	MAR25/09	SCALE 2:1 PROJECT SHEET 9 OF 11

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

REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	



**RECOMMENDED PCB DESIGN
 FOR SINGLE SIDE MOUNTING
 (P/N U77-C661M-X081)**

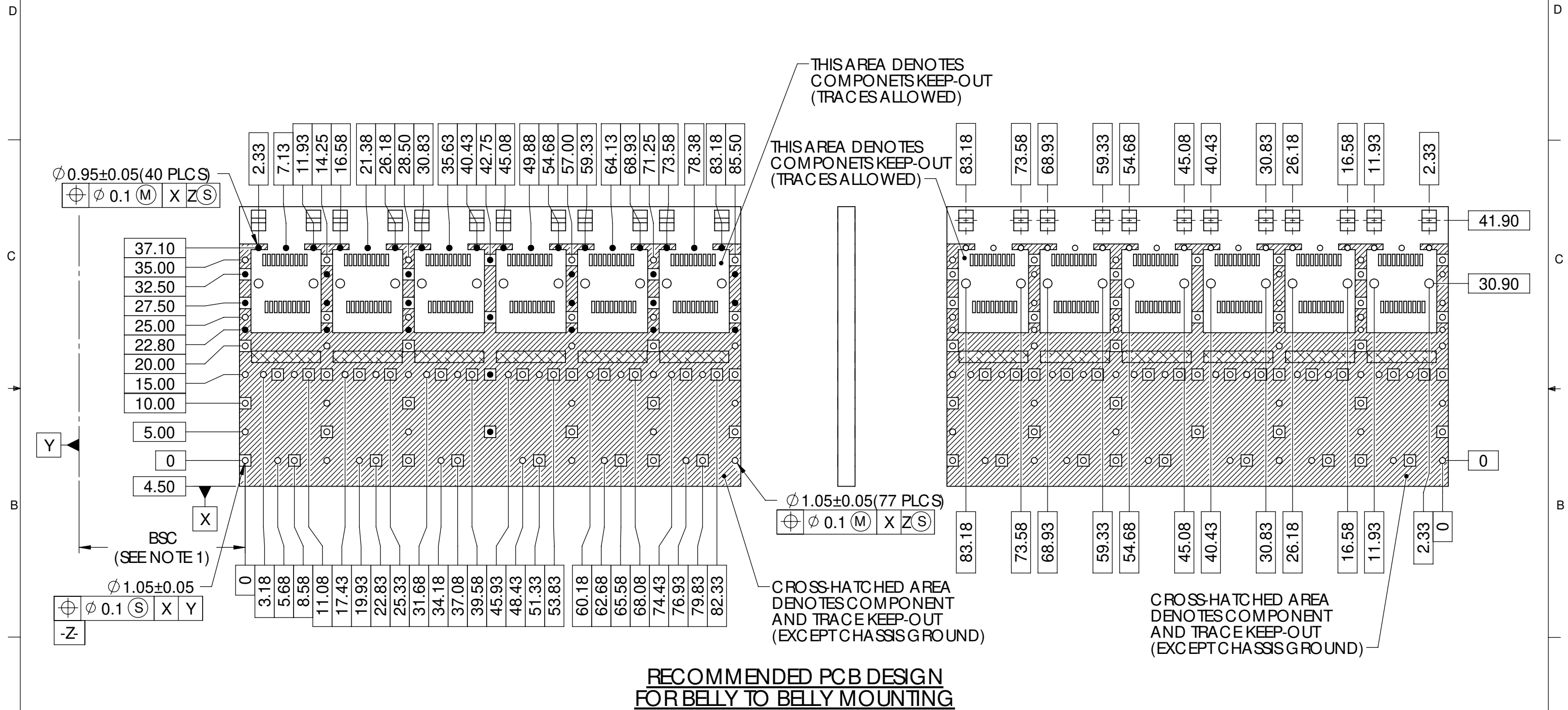
DO NOT SCALE DRAWING

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.X ± 0.38 ± 1° X.XX ± 0.25		APPROVALS	DATE	Amphenol Canada Corp.
MATERIAL AND FINISH SEE NOTE 1		DRAWN Jane.Z DESIGNED CHECKED J.S QA APPD	MAR13/09 MAR25/09	
REF.	IE APPD	DWG APPD A.G	MAR25/09	SIZE A3 DWG. NO. P-U77-CX61M-X081 REV. C
CODE IDENT. NO. 03554	SCALE 1:1	PROJECT	SHEET 10 OF 11	

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

REVISIONS				
REV.	ECN/ER	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B-B APPLICATIONS ADDED	MAY25/09	



RECOMMENDED PCB DESIGN FOR BELLY TO BELLY MOUNTING

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.X ± 0.38 ± 1° X.XX ± 0.25	APPROVALS	DATE	Amphenol Canada Corp.	
	DRAWN Jane.Z	MAR13/09		
MATERIAL AND FINISH SEE NOTE 1	CHECKED J.S	MAR25/09	1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
	QA APPD			
REF.	IE APPD		SIZE A3	DWG. NO. P-U77-CX61M-X081
CODE IDENT. NO. 03554	DWG APPD A.G	MAR25/09	SCALE 3:2	PROJECT
				REV. C
				SHEET 11 OF 11