

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



**MATERIAL:**  
**CAGE:**  
 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)

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

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

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-C661M-X081 SHOWN**

**AMPHENOL PART NUMBER CONFIGURATION**

U77 - C X 61 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

**P/N: U77-C461M-X081 SHOWN**

**P/N: U77-C261M-X081 SHOWN**

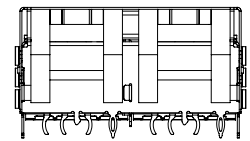
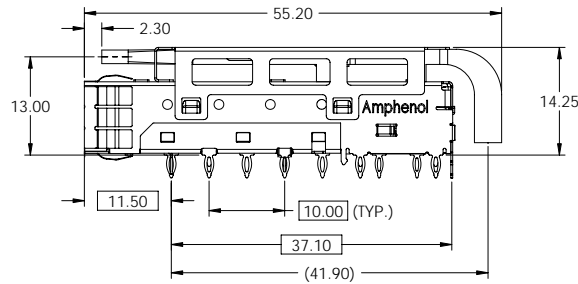
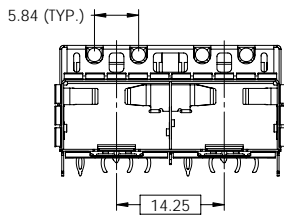
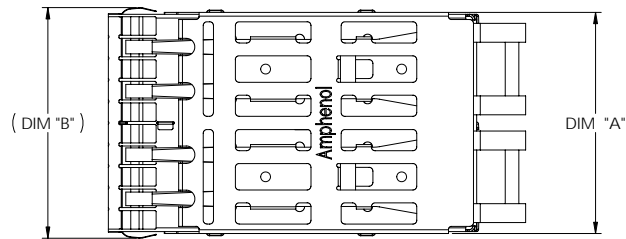
**DO NOT SCALE DRAWING**

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 DECIMALS ANGLES X.X ± 0.38 ± 1° X.XX ± 0.25	<b>APPROVALS</b>	<b>DATE</b>	<b>Amphenol Canada Corp.</b> TITLE 1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE
	DRAWN Jane Z	MAR13/09	
MATERIAL AND FINISH SEE NOTE 1	DESIGNED	J.SI	P-U77-CX61M-X081
	CHECKED	J.SI	
REV.	CA APP'D	MAR25/09	REV. C
CODE EXTEND NO. 03554	E APP'D	A.G	DWG. NO. P-U77-CX61M-X081
	DWG APP'D	MAR25/09	SCALE 3:2
			PROJECT
			SHEET 1 OF 11

PART NUMBER	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.	ICM#	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.

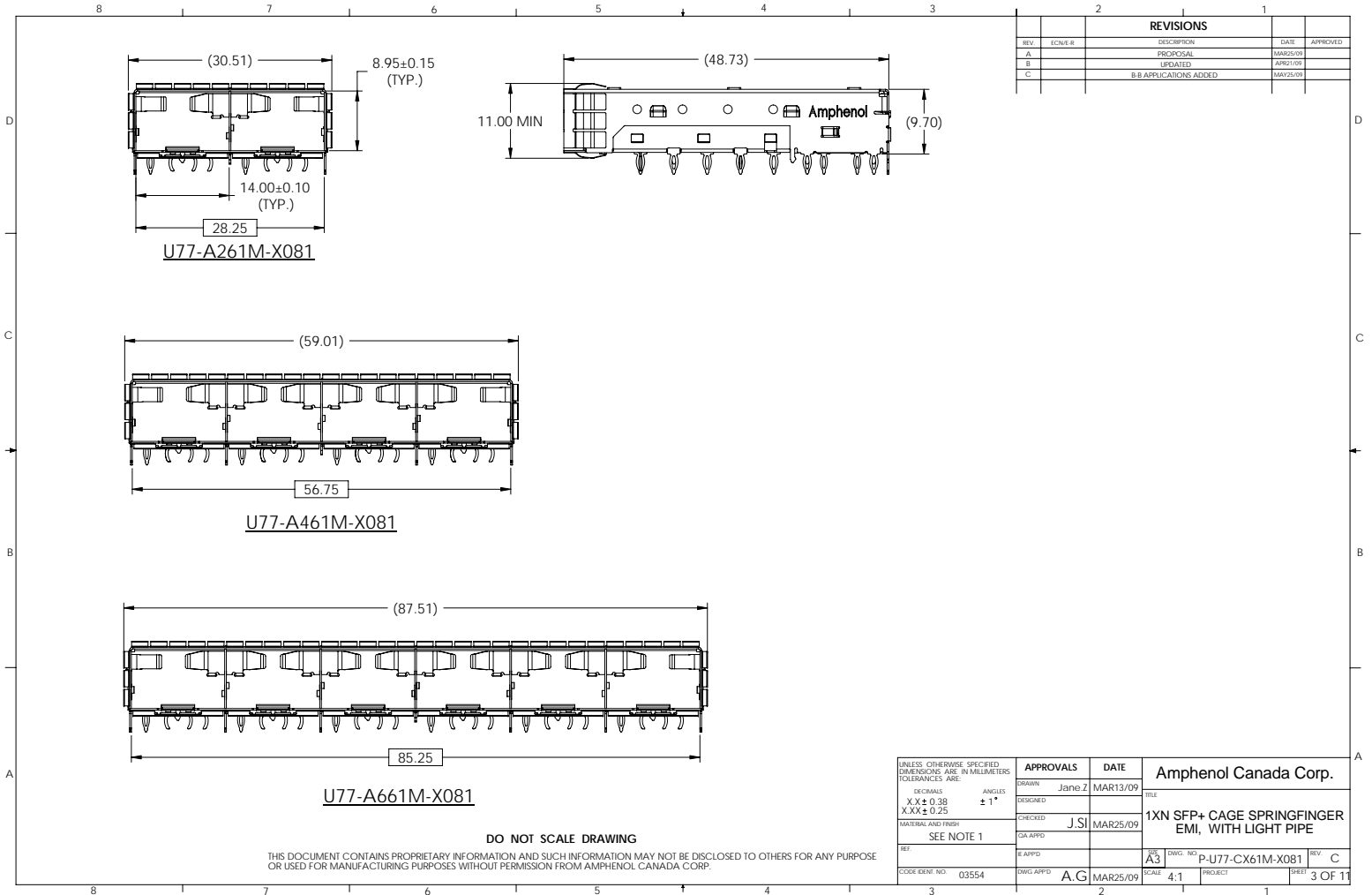
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		APPROVALS		DATE	Amphenol Canada Corp.	
DECIMALS		DRAWN		Jane Z	MAR13/09	
ANGLES		DESIGNED			TITLE	
X.X ± 0.38		CHECKED		J.SI	MAR25/09	
X.XX ± 0.25		MATERIAL AND FINISH		SEE NOTE 1		
REF.		E APPD		A.G	MAR25/09	3
CODE BENE NO. 03554		DWG APPD		SCALE 1:1		PROJECT
						SHEET 2 OF 11

1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE

P-U77-CX61M-X081

REV. C

SHEET 2 OF 11



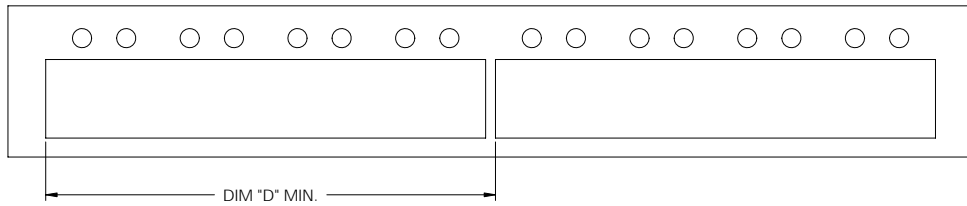
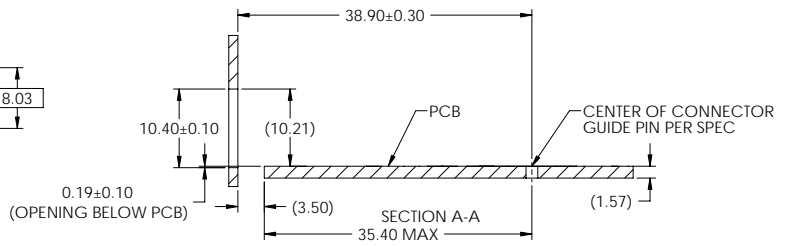
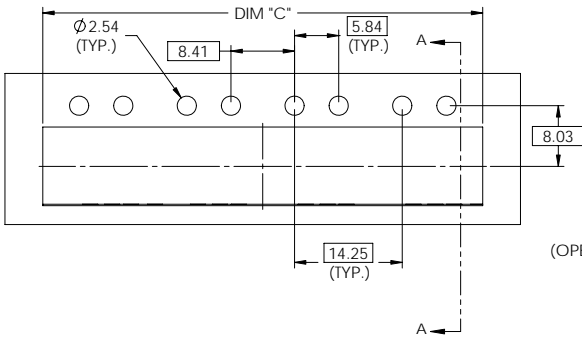
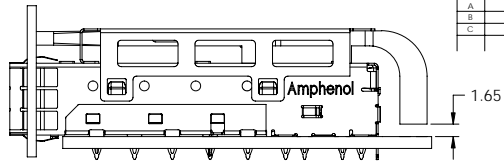
REVISIONS				
REV.	ICMTR.	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B.B APPLICATIONS ADDED	MAY25/09	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		<b>APPROVALS</b>		<b>DATE</b>		<b>Amphenol Canada Corp.</b>	
DECIMALS	ANGLES	DRAWN	Jane Z	DESIGNED	MAR13/09	TITLE	
X.X ± 0.38	± 1°	CHECKED	J.SI	CHECKED	MAR25/09	1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
MATERIAL AND FINISH		QA APP'D					
SEE NOTE 1							
REV.		E APP'D		A3		DWG. NO.	P-U77-CX61M-X081
CODE/REV. NO.	03554	DWG. APP'D	A.G	MAR25/09	SCALE	4:1	PROJECT
						SHEET	3 OF 11

**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.

PART NUMBER	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

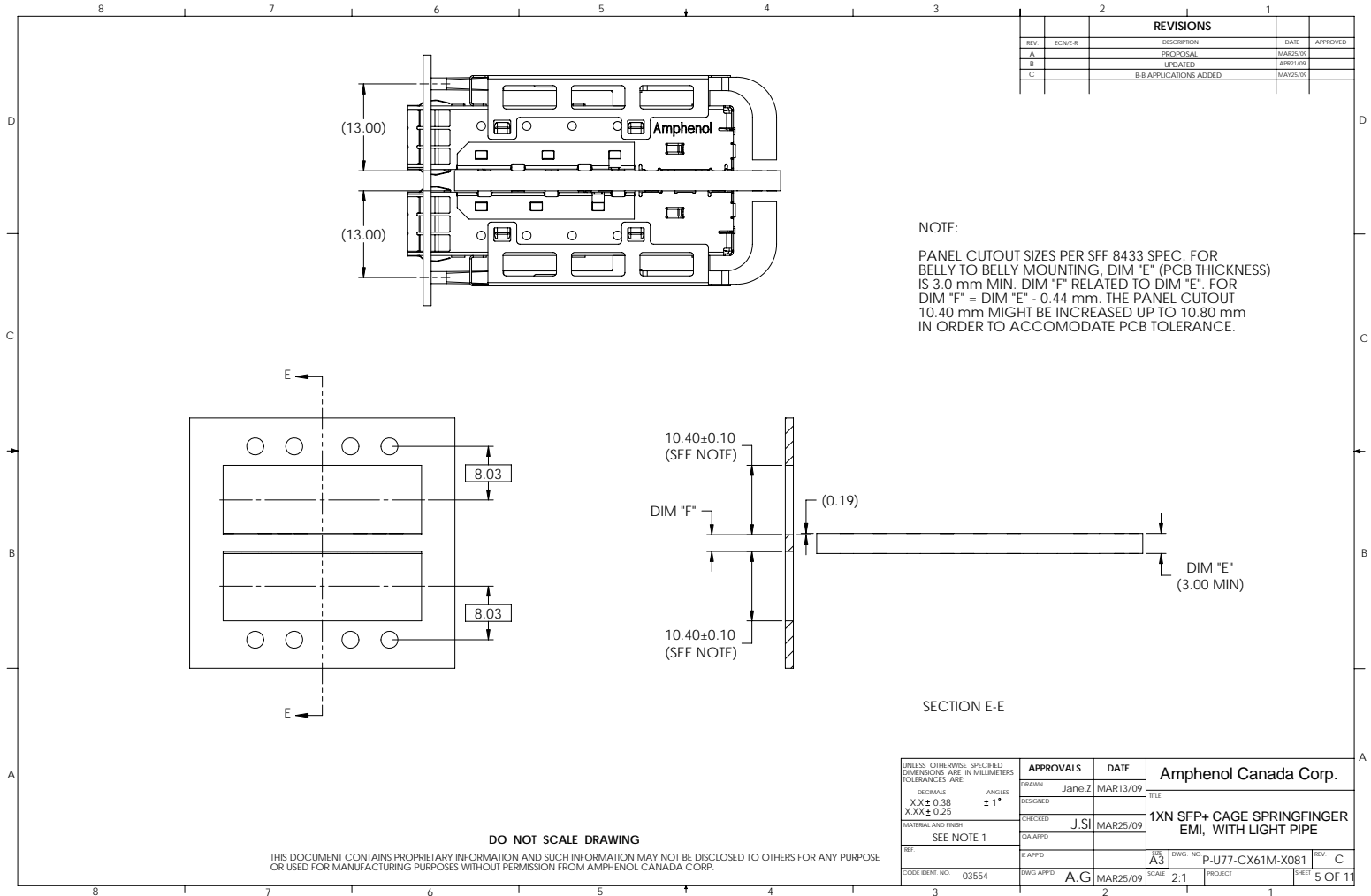
REVISIONS				
REV.	ICMTR	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	APR21/09	
C		B.B APPLICATIONS ADDED	MAY25/09	



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

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.	ICM/E-B	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	MAR25/09	
C		B.B APPLICATIONS ADDED	MAY25/09	

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 ACCOMMODATE PCB TOLERANCE.

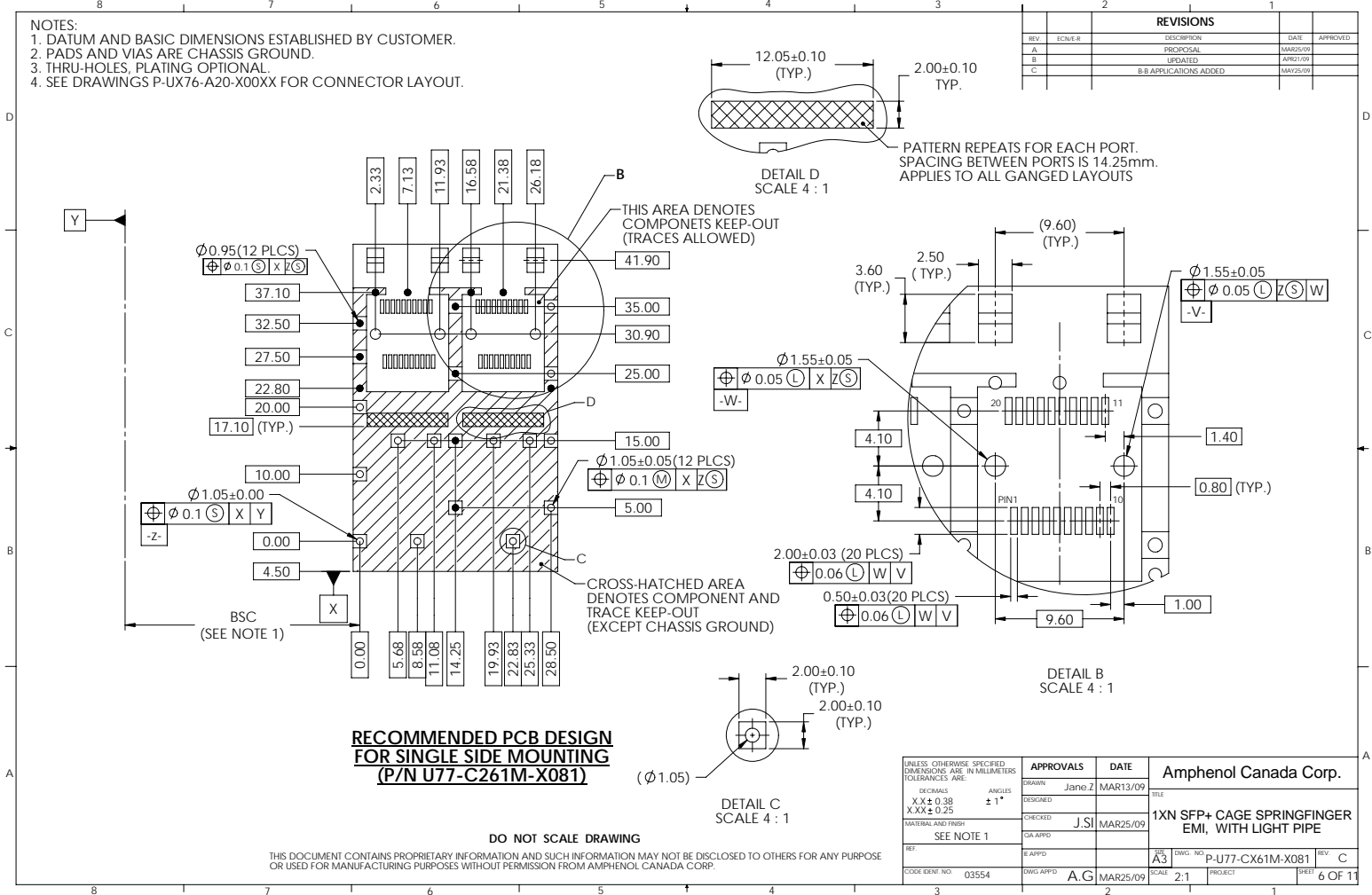
SECTION E-E

**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 TOLERANCES ARE: DECIMALS ANGLES		<b>APPROVALS</b>		<b>DATE</b>		<b>Amphenol Canada Corp.</b>	
X.X ± 0.38 ± 1°		DRAWN Jane Z		MAR13/09		TITLE	
X.XX ± 0.25		DESIGNED				1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
MATERIAL AND FINISH SEE NOTE 1		CHECKED J.SI		MAR25/09		REV. C	
REF.		E APPD				A3 DWG. NO. P-U77-CX61M-X081	
CODE/ENE/NO. 03554		DWG APP'D A.G		MAR25/09		SCALE 2:1 PROJECT SHEET 5 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.	ICM#	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-C261M-X081)**

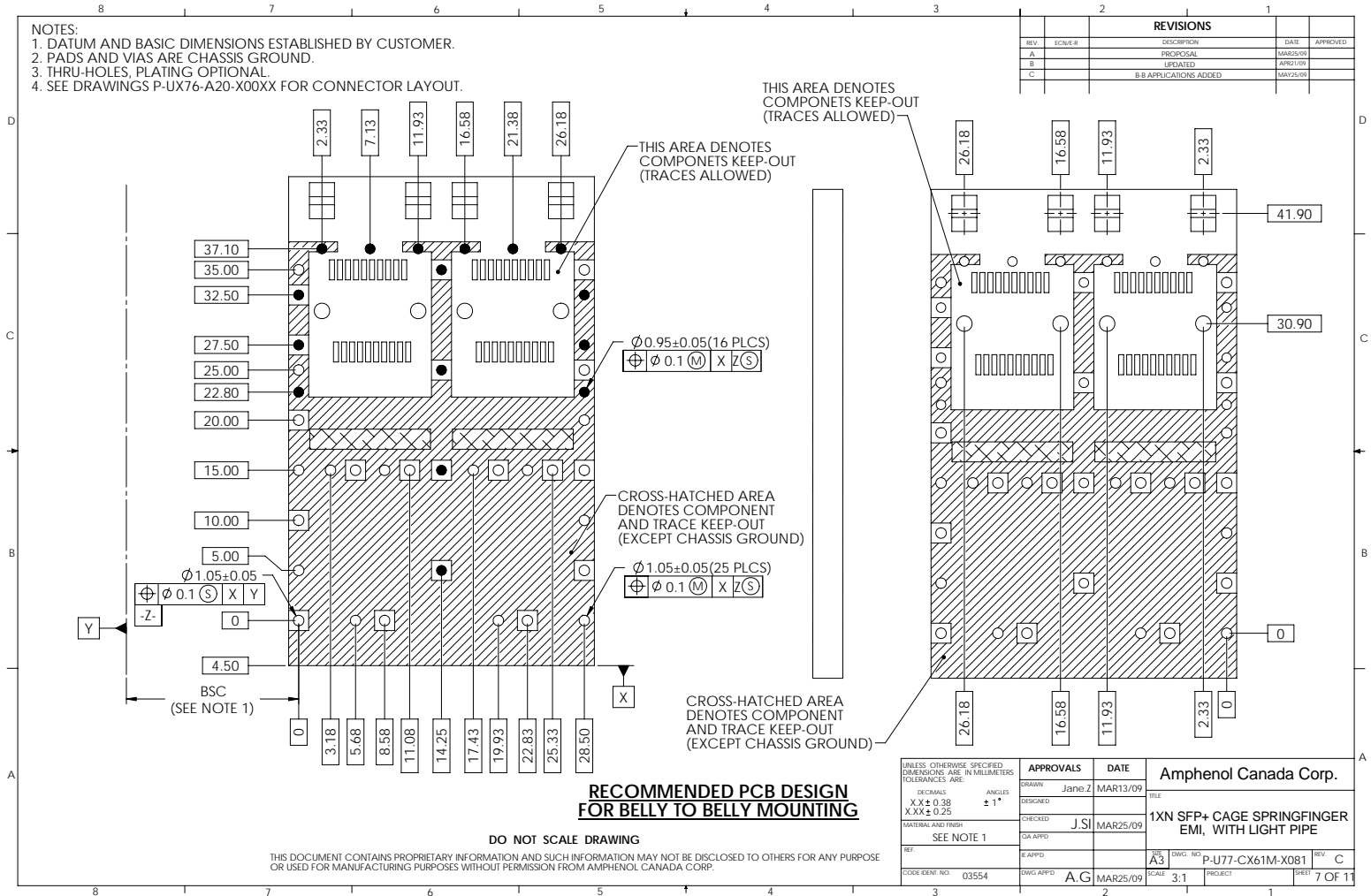
DO NOT SCALE DRAWING

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		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.SI	MAR25/09		
MATERIAL AND FINISH		QA APP'D				
SEE NOTE 1		E APP'D				
REV.					A3	DWG. NO. P-U77-CX61M-X081
CODE/REV. NO.	03554	DWG APP'D	A.G	MAR25/09	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.	ICM#-R	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**

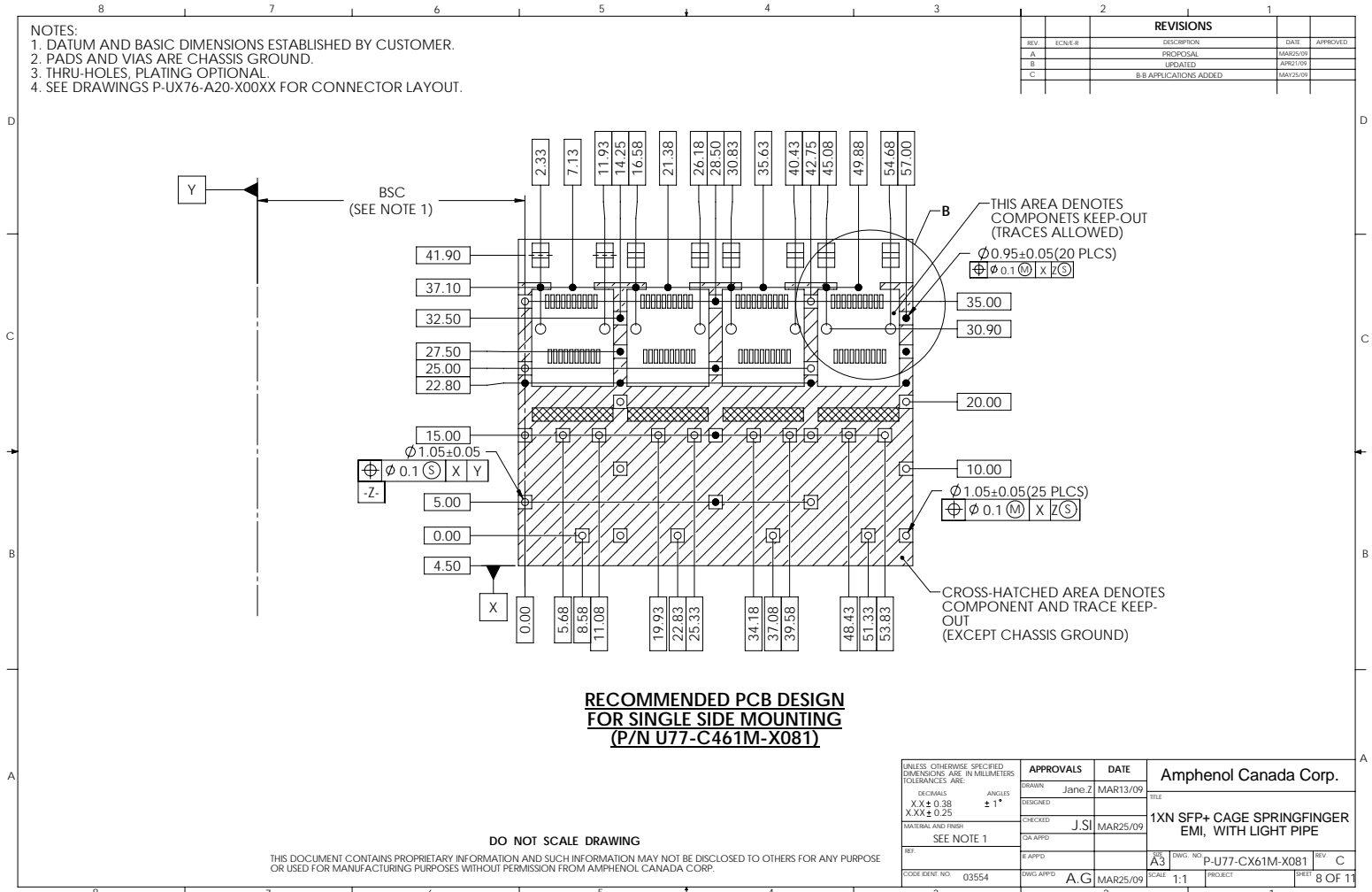
DO NOT SCALE DRAWING

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: DECIMALS      ANGLES X.X ± 0.38      ± 1° X.XX ± 0.25	APPROVALS		DATE	Amphenol Canada Corp. TITLE 1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE
	DRAWN	Jane Z	MAR13/09	
	DESIGNED			
	CHECKED	J.SI	MAR25/09	
MATERIAL AND FINISH SEE NOTE 1	QA APP'D			
REF.	E APP'D			
CODE GEN# NO. 03554	DWG APP'D	A.G	MAR25/09	A3 DWG. NO. P-U77-CX61M-X081 REV. C
				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-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

REVISIONS				
REV.	ICM#	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	MAR21/09	
C		B.B APPLICATIONS ADDED	MAY25/09	



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

**DO NOT SCALE DRAWING**

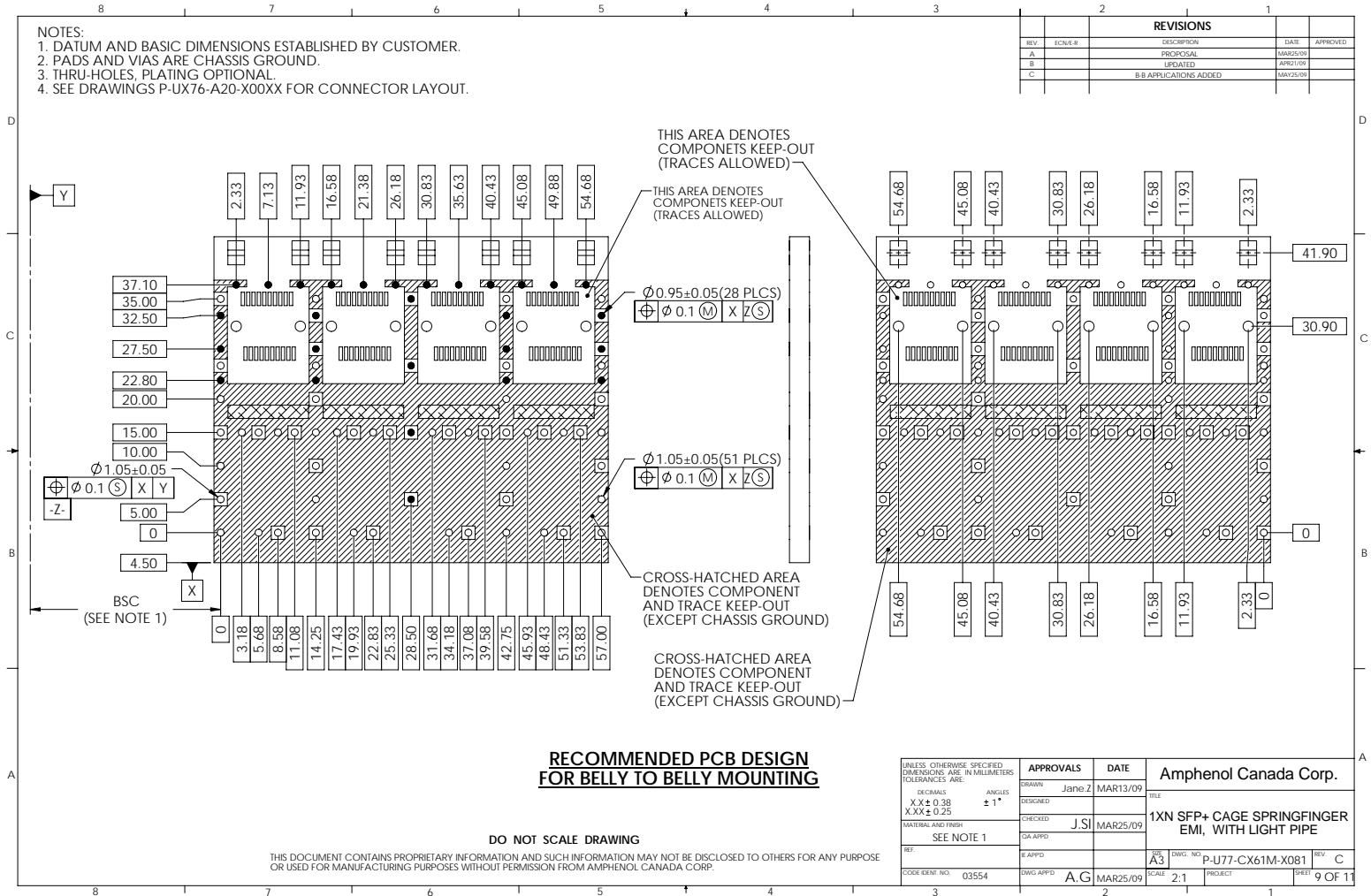
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS 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.SI	MAR25/09	TITLE 1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE
REF.	GA APP'D		REV. C
CODE ENGINE NO. Q3554	DWG APP'D: A.G	MAR25/09	DWG. NO. P-U77-CX61M-X081 SCALE: 1:1 PROJECT: 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 P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

REVISIONS				
REV.	ICM#-R	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**

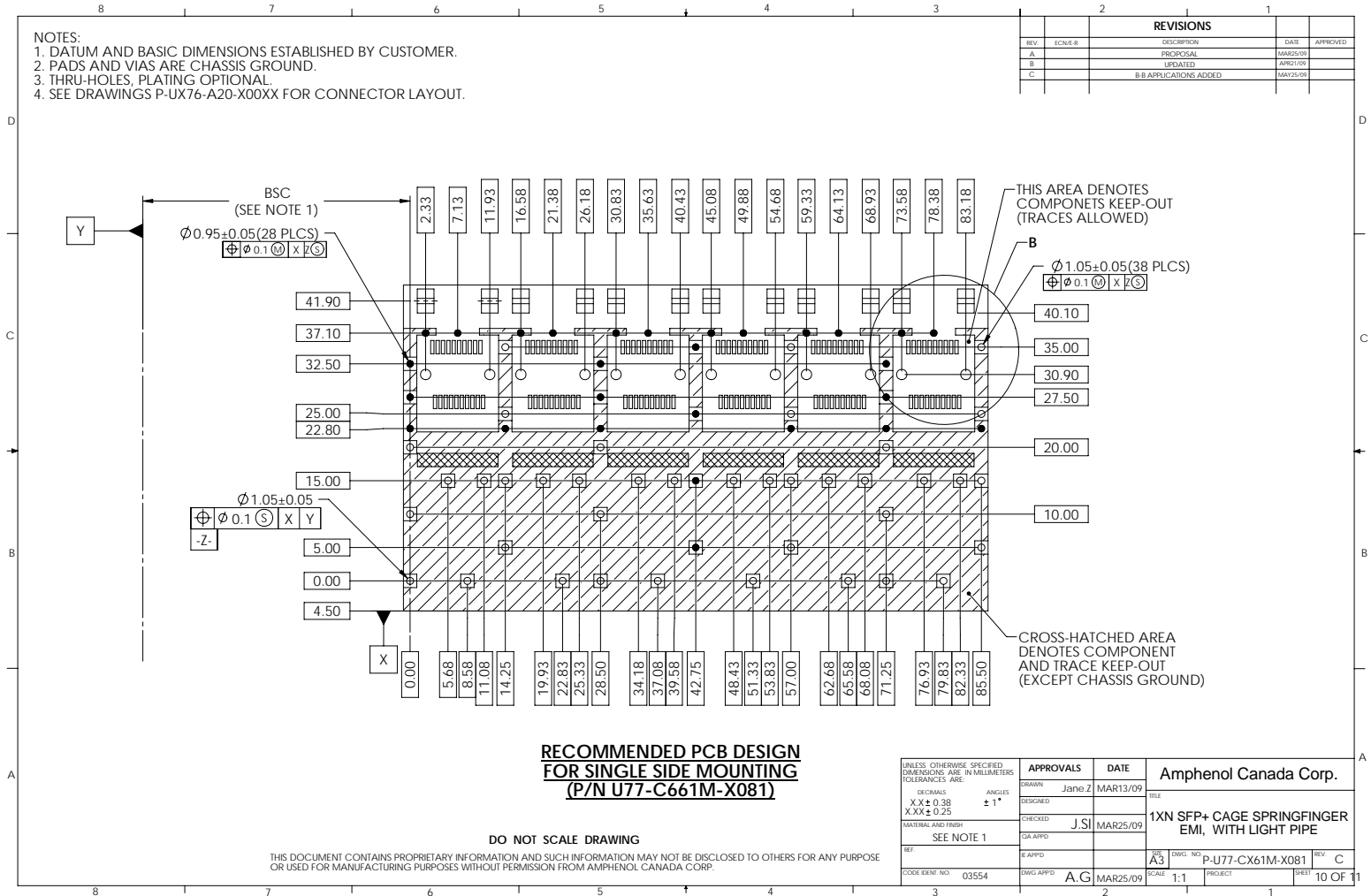
DO NOT SCALE DRAWING

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:		APPROVALS		DATE		Amphenol Canada Corp.	
DECIMALS		DRAWN		Jane Z		TITLE	
ANGLES		DESIGNED		MAR13/09		1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE	
X.X ± 0.38		CHECKED		J.SI		MAR25/09	
X.XX ± 0.25		MATERIAL AND FINISH		SEE NOTE 1		REV. C	
DRAWING		E APPD		A.G		SCALE 2:1	
CODE GEN# NO. 03554		DWG APPD		MAR25/09		PROJECT P-U77-CX61M-X081	
						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 DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

REVISIONS				
REV.	ICM#-R	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)**

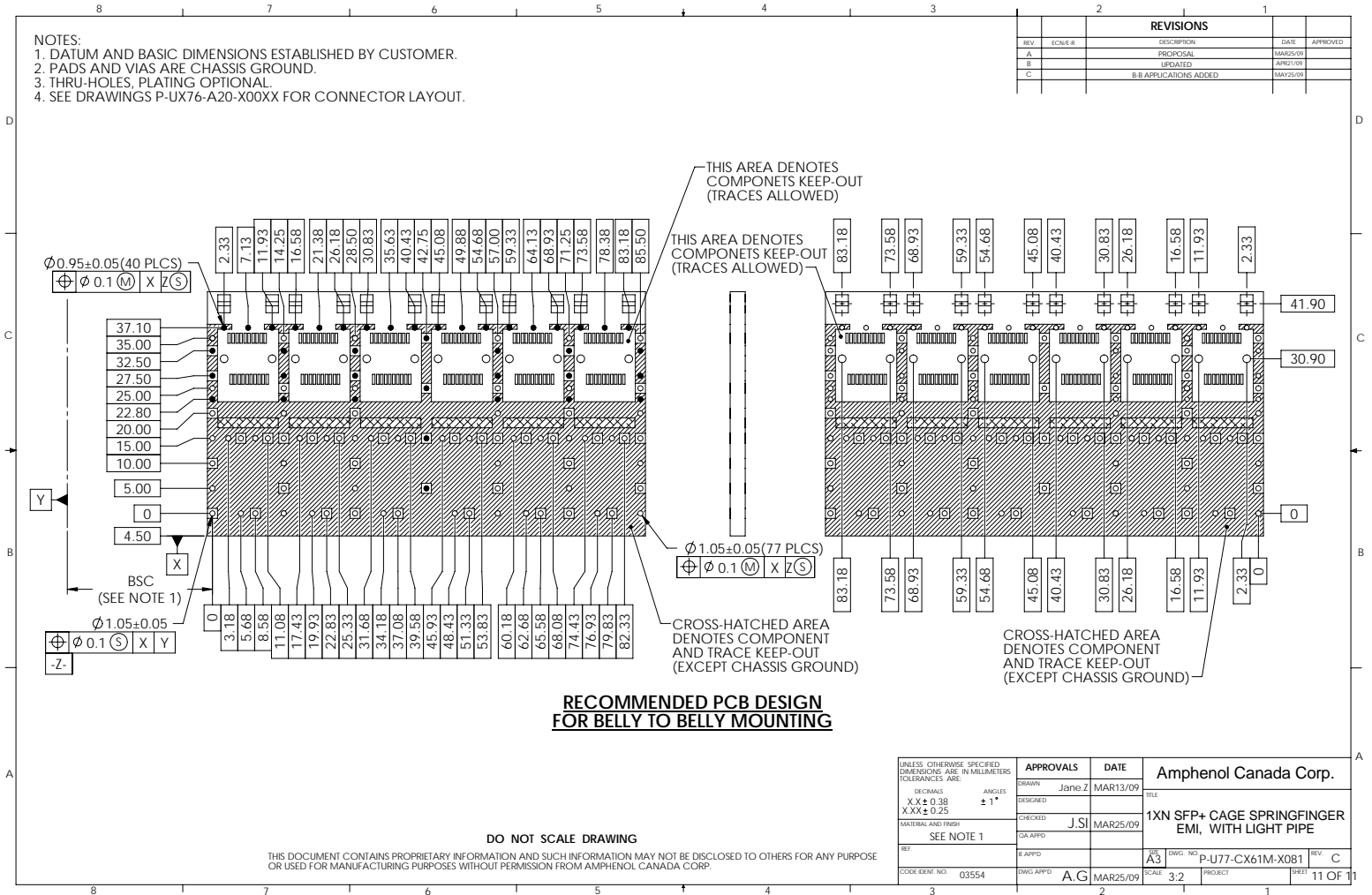
DO NOT SCALE DRAWING

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.

<small>UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: IN MILLIMETERS</small> DECIMALS: X.X ± 0.38 ANGLES: ± 1° X.XX ± 0.25 <small>MATERIAL AND FINISH</small> SEE NOTE 1 <small>REV.</small> CODE ENGINE NO. 03554	<b>APPROVALS</b>	<b>DATE</b>	Amphenol Canada Corp.
	DRAWN: Jane Z	MAR13/09	
	DESIGNED:		1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE
	CHECKED: J.SI	MAR25/09	
	GA APP'D:		
	E APP'D:		
	A.G.	MAR25/09	
	SCALE: 1:1	PROJECT:	
			DWG. NO. P-U77-CX61M-X081
			REV. C
			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 DRAWINGS P-UX76-A20-X00XX FOR CONNECTOR LAYOUT.

REVISIONS				
REV.	ICM#-R	DESCRIPTION	DATE	APPROVED
A		PROPOSAL	MAR25/09	
B		UPDATED	MAR25/09	
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.
MATERIAL AND FINISH SEE NOTE 1		DRAWN Jane Z	MAR13/09	
REV. SEE NOTE 1		DESIGNED J.SI	MAR25/09	TITLE 1XN SFP+ CAGE SPRINGFINGER EMI, WITH LIGHT PIPE
CODE EXT# NO. 03554	DWG APP'D A.G.	E APP'D	MAR25/09	REV. C SCALE 3:2 PROJECT P-U77-CX61M-X081 SHEET 11 OF 11