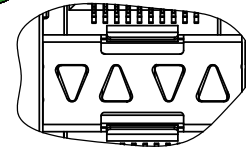
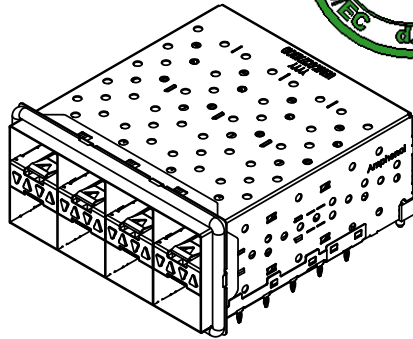
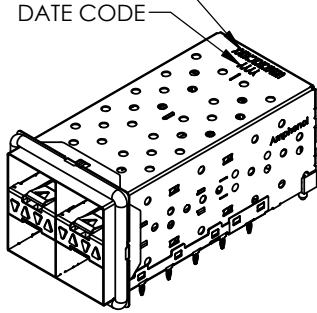




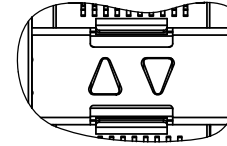
REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	SEP01/11	A.G.

PART NUMBER  
(LAST DIGIT INDICATING  
PACKAGING TYPE, NOT  
PRINTED ON THE PART)

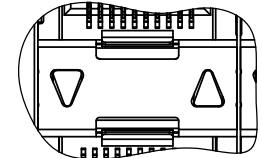
DATE CODE



UE86-KX427-10XX1  
(4 LIGHT PIPES PER 2X1)



UE86-KX427-20XX1  
(2 INNER LIGHT PIPES PER 2X1)



UE86-KX427-30XX1  
(2 OUTER LIGHT PIPES PER 2X1)

**LIGHT PIPE CONFIGURATIONS**

MATERIAL: (RoHS COMPLIANT)

CAGE - PRESS FIT:  
COPPER ALLOY  
PLATING:  
NICKEL 2.54 µm MIN.  
CONNECTOR - PRESS FIT:  
PLASTIC HOUSING:  
LCP, FLAMMABILITY RATING UL94-V0.  
CONTACTS:  
PHOSPHOR BRONZE  
PLATING OPTION:  
SEE AMPHENOL PART NUMBER  
CONFIGURATION FOR OPTIONS.

LIGHT PIPE:  
CLEAR POLYCARBONATE, FLAMMABILITY  
RATING UL94-V0.

PACKAGING:  
TRAY PACKAGING.  
TEMPERATURE RANGE:  
-40°C TO +85°

**AMPHENOL PART NUMBER CONFIGURATION**

UE86 - K X 4 2 7 - X 0 X X 1

NUMBER OF PORTS

- 1 = 2X1
- 2 = 2X2
- 4 = 2X4
- 6 = 2X6
- 8 = 2X8

LIGHT PIPE CONFIGURATION

- 1 = 4 LIGHT PIPES PER 2X1
- 2 = 2 INNER LIGHT PIPES PER 2X1
- 3 = 2 OUTER LIGHT PIPES PER 2X1

PACKAGING

- 1 = TRAY

CAGE PLATING

- 2 = NICKEL

PRESS FIT CONNECTOR PLATING

- 3 = 0.76 µm MIN. GOLD ON MATING AREA  
3.81-7.62 µm MATTE TIN ON TERMINATION
- 6 = 0.38 µm MIN. GOLD ON MATING AREA  
3.81-7.62 µm MATTE TIN ON TERMINATION

**DO NOT SCALE DRAWING**

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UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES ARE:

DECIMALS	ANGLES
X.X ± 0.25	± 1°
X.XX ± 0.15	

MATERIAL AND FINISH

N/A

REF. X

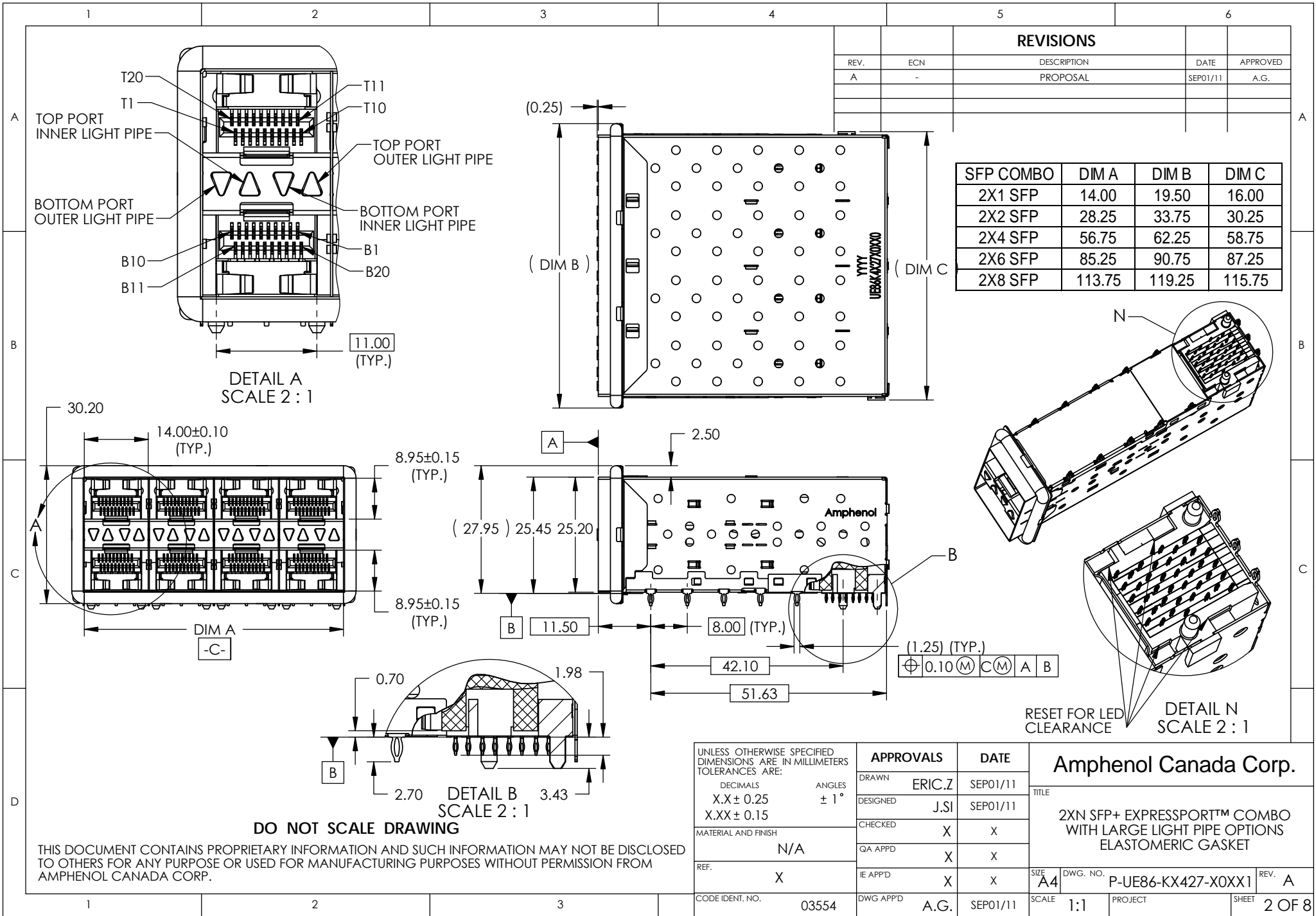
CODE IDENT. NO. 03554

APPROVALS		DATE
DRAWN	ERIC.Z	SEP01/11
DESIGNED	J.SI	SEP01/11
CHECKED	X	X
QA APPD	X	X
IE APPD	X	X
DWG APPD	A.G.	SEP01/11

**Amphenol Canada Corp.**

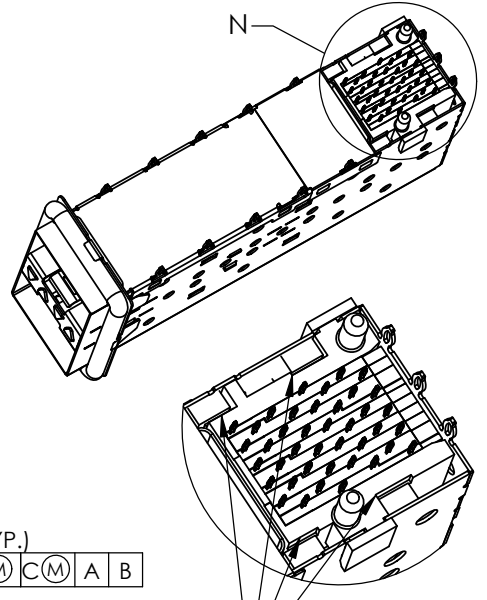
TITLE  
2XN SFP+ EXPRESSPORT™ COMBO  
WITH LARGE LIGHT PIPE OPTIONS  
ELASTOMERIC GASKET

SIZE A4	DWG. NO. P-UE86-KX427-X0XX1	REV. A
SCALE 2:3	PROJECT	SHEET 1 OF 8



REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	SEP01/11	A.G.

SFP COMBO	DIM A	DIM B	DIM C
2X1 SFP	14.00	19.50	16.00
2X2 SFP	28.25	33.75	30.25
2X4 SFP	56.75	62.25	58.75
2X6 SFP	85.25	90.75	87.25
2X8 SFP	113.75	119.25	115.75



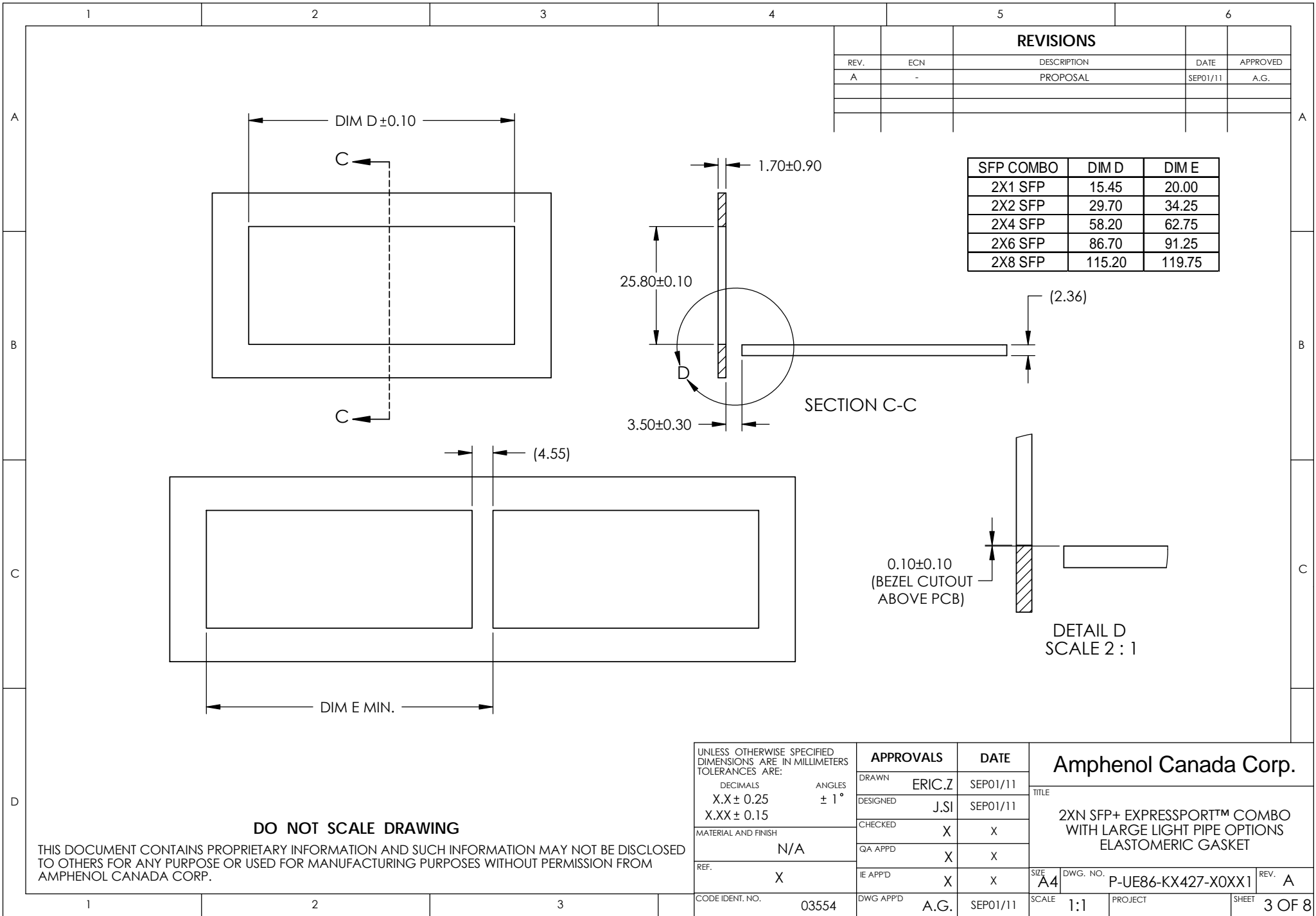
RESET FOR LED CLEARANCE  
 DETAIL N  
 SCALE 2 : 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE	
DECIMALS	ANGLES	DRAWN	ERIC.Z	SEP01/11	
X.X ± 0.25	± 1°	DESIGNED	J.SI	SEP01/11	
X.XX ± 0.15		CHECKED	X	X	
MATERIAL AND FINISH		QA APPD	X	X	
N/A		IE APPD	X	X	
REF.	X	CODE IDENT. NO.	03554	DWG APPD	A.G.
				SEP01/11	

Amphenol Canada Corp.		
TITLE	2XN SFP+ EXPRESSPORT™ COMBO WITH LARGE LIGHT PIPE OPTIONS ELASTOMERIC GASKET	
SIZE	DWG. NO.	REV.
A4	P-UE86-KX427-X0XX1	A
SCALE	PROJECT	SHEET
1:1		2 OF 8

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REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	SEP01/11	A.G.

SFP COMBO	DIM D	DIM E
2X1 SFP	15.45	20.00
2X2 SFP	29.70	34.25
2X4 SFP	58.20	62.75
2X6 SFP	86.70	91.25
2X8 SFP	115.20	119.75

SECTION C-C

DETAIL D  
SCALE 2 : 1

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	DRAWN	ERIC.Z	SEP01/11
	DESIGNED	J.SI	SEP01/11
	CHECKED	X	X
	QA APP'D	X	X
MATERIAL AND FINISH	N/A		
REF.	X	IE APP'D	X X
CODE IDENT. NO.	03554	DWG APP'D	A.G. SEP01/11

<b>Amphenol Canada Corp.</b>			
TITLE			
2XN SFP+ EXPRESSPORT™ COMBO WITH LARGE LIGHT PIPE OPTIONS ELASTOMERIC GASKET			
SIZE A4	DWG. NO. P-UE86-KX427-X0XX1	REV. A	
SCALE 1:1	PROJECT	SHEET	3 OF 8

NOTES:

1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

2. 1.05 mm DIAMETER HOLES ARE CHASSIS GROUND 13 HOLES).

REVISIONS

REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	SEP01/11	A.G.

A

B

C

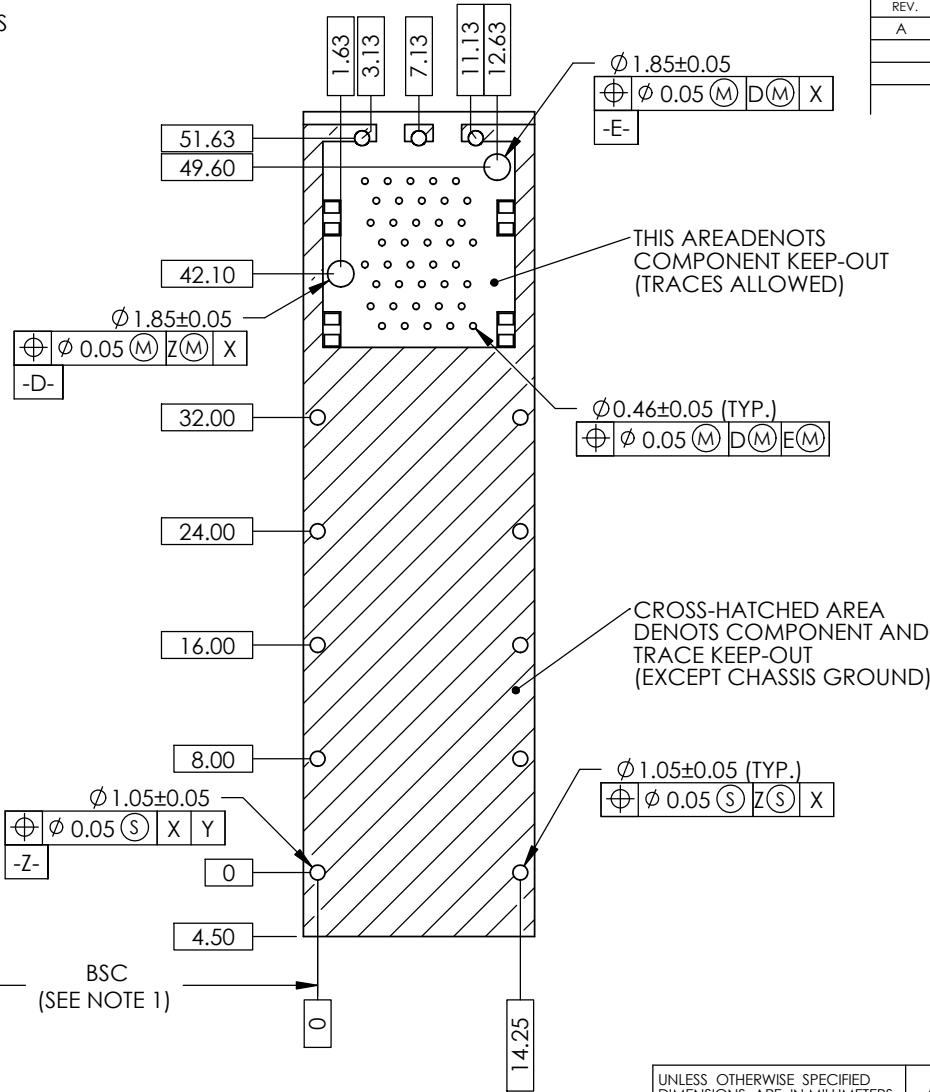
D

A

B

C

D



2X1 PCB LAYOUT

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	DRAWN ERIC.Z	SEP01/11	
	DESIGNED J.SI	SEP01/11	
	CHECKED X	X	
	QA APP'D X	X	
	IE APP'D X	X	
	DWG APP'D A.G.	SEP01/11	

<b>Amphenol Canada Corp.</b>			
TITLE			
2XN SFP+ EXPRESSPORT™ COMBO WITH LARGE LIGHT PIPE OPTIONS ELASTOMERIC GASKET			
SIZE A4	DWG. NO. P-UE86-KX427-X0XX1	REV. A	
SCALE 1:1	PROJECT	SHEET 4 OF 8	

1

2

3

03554

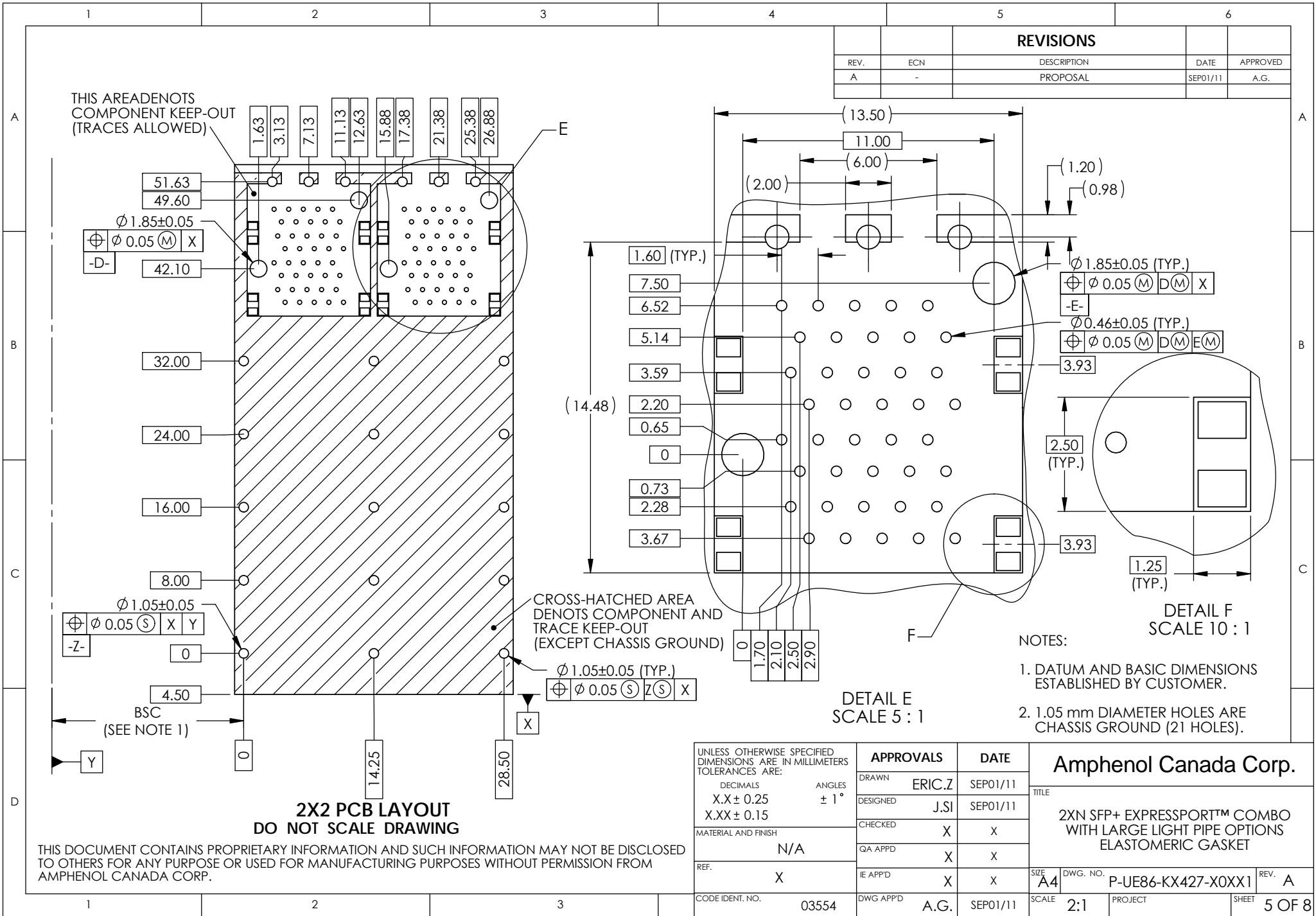
A.G.

SEP01/11

SCALE 1:1

PROJECT

SHEET 4 OF 8



REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	SEP01/11	A.G.

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

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

DETAIL F SCALE 10 : 1

DETAIL E SCALE 5 : 1

- NOTES:
- DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
  - 1.05 mm DIAMETER HOLES ARE CHASSIS GROUND (21 HOLES).

**2X2 PCB LAYOUT**  
**DO NOT SCALE DRAWING**

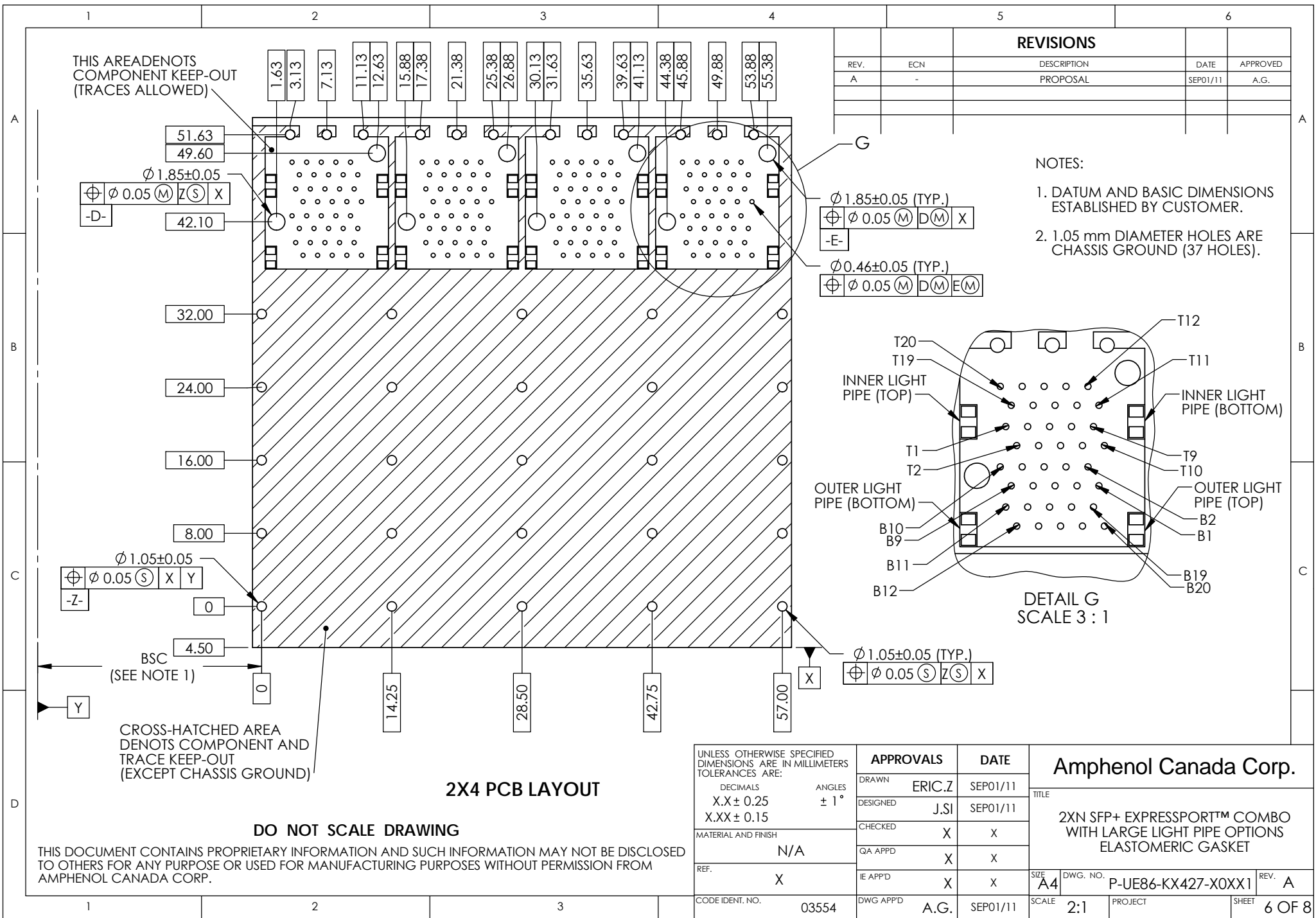
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:

DECIMALS	ANGLES
X.X ± 0.25	± 1°
X.XX ± 0.15	
MATERIAL AND FINISH	N/A
REF.	X
CODE IDENT. NO.	03554

APPROVALS		DATE
DRAWN	ERIC.Z	SEP01/11
DESIGNED	J.SI	SEP01/11
CHECKED	X	X
QA APPD	X	X
IE APPD	X	X
DWG APPD	A.G.	SEP01/11

<b>Amphenol Canada Corp.</b>	
TITLE	2XN SFP+ EXPRESSPORT™ COMBO WITH LARGE LIGHT PIPE OPTIONS ELASTOMERIC GASKET
SIZE	A4
DWG. NO.	P-UE86-KX427-X0XX1
REV.	A
SCALE	2:1
PROJECT	
SHEET	5 OF 8

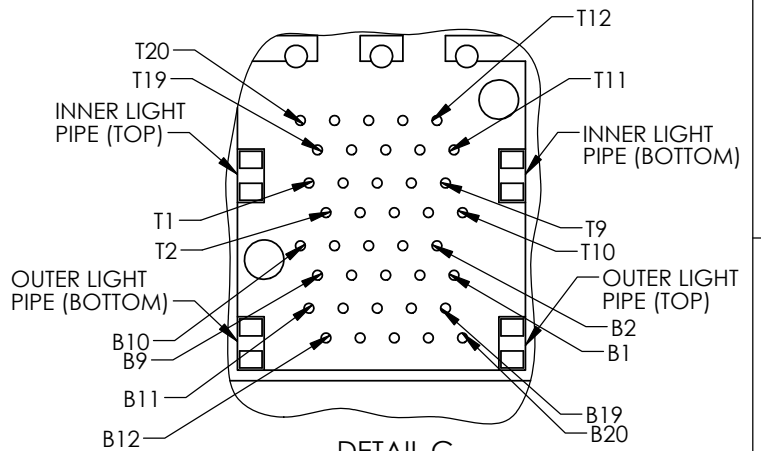


REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	SEP01/11	A.G.

- NOTES:
- DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
  - 1.05 mm DIAMETER HOLES ARE CHASSIS GROUND (37 HOLES).

$\varnothing 1.85 \pm 0.05$  (TYP.)  
 $\varnothing 0.05$  (M) (D) (M) (X)  
 -E-

$\varnothing 0.46 \pm 0.05$  (TYP.)  
 $\varnothing 0.05$  (M) (D) (M) (E) (M)



DETAIL G  
SCALE 3:1

**2X4 PCB LAYOUT**

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		<b>APPROVALS</b>		<b>DATE</b>		<b>Amphenol Canada Corp.</b>	
DECIMALS	ANGLES	DRAWN	ERIC.Z	SEP01/11	TITLE		
X.X ± 0.25	± 1°	DESIGNED	J.SI	SEP01/11	2XN SFP+ EXPRESSPORT™ COMBO WITH LARGE LIGHT PIPE OPTIONS ELASTOMERIC GASKET		
X.XX ± 0.15		CHECKED	X	X			
MATERIAL AND FINISH	N/A	QA APPD	X	X			
REF.	X	IE APPD	X	X			
CODE IDENT. NO.	03554	DWG APPD	A.G.	SEP01/11	SIZE A4	DWG. NO. P-UE86-KX427-X0XX1	REV. A
				SCALE	2:1	PROJECT	SHEET 6 OF 8

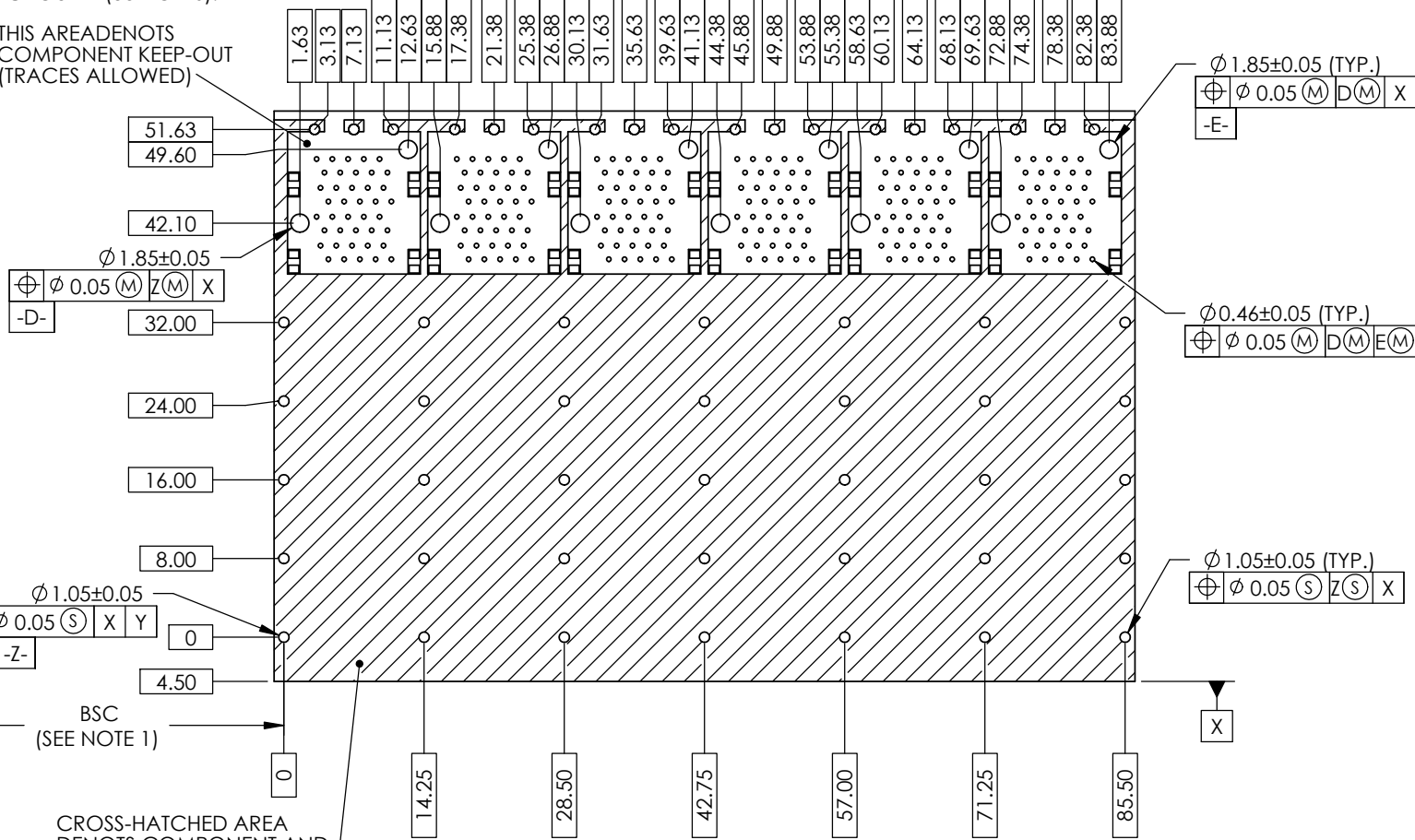
NOTES:

1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
2. 1.05 mm DIAMETER HOLES ARE CHASSIS GROUND (53 HOLES).

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

REVISIONS

REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	SEP01/11	A.G.



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

2X6 PCB LAYOUT

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:

DECIMALS ANGLES  
 X.X ± 0.25 ± 1°  
 X.XX ± 0.15

MATERIAL AND FINISH N/A

REF. X

CODE IDENT. NO. 03554

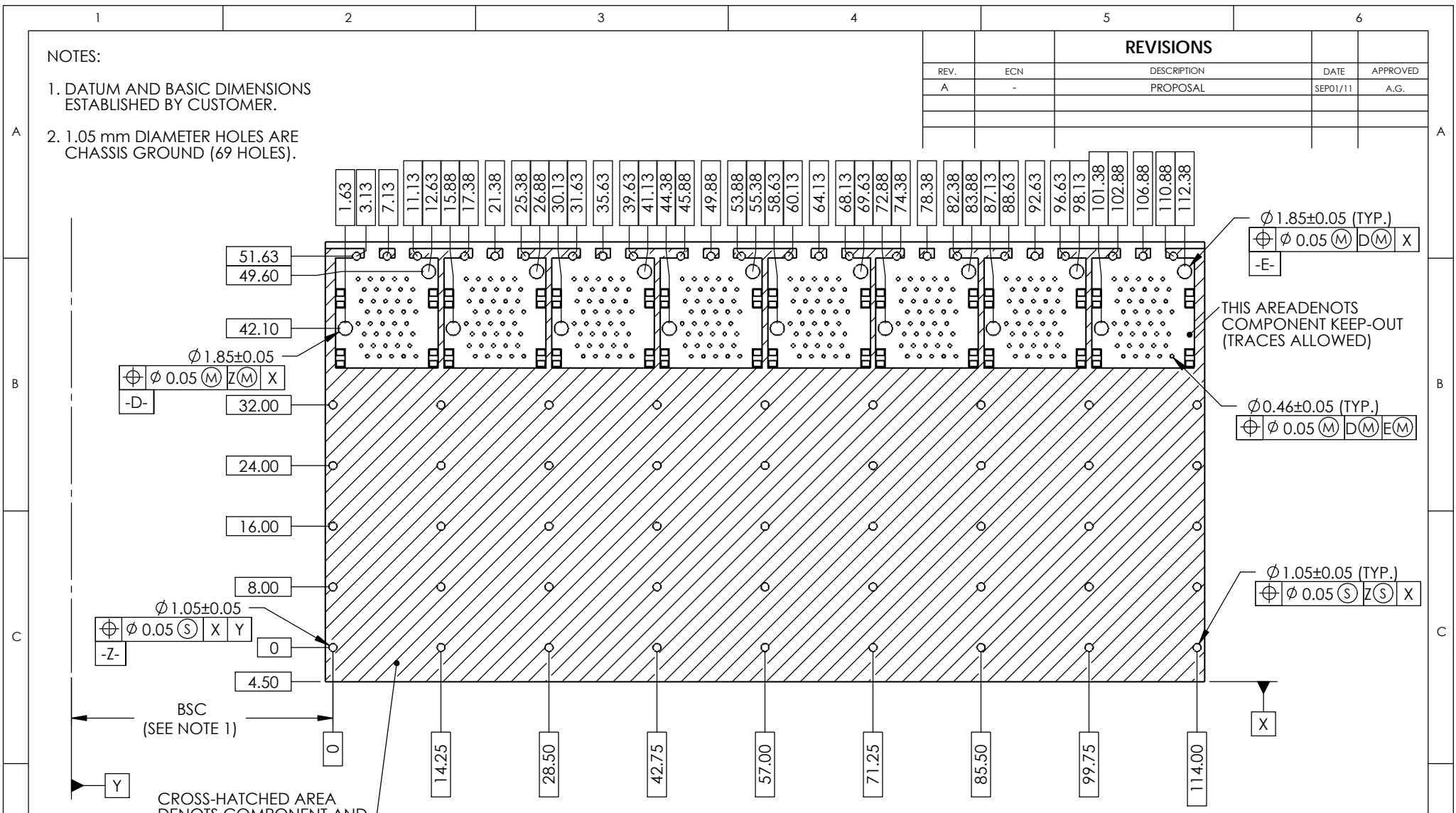
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DESIGNED	J.SI	SEP01/11
CHECKED	X	X
QA APPD	X	X
IE APPD	X	X
DWG APPD	A.G.	SEP01/11

Amphenol Canada Corp.		
TITLE		
2XN SFP+ EXPRESSPORT™ COMBO WITH LARGE LIGHT PIPE OPTIONS ELASTOMERIC GASKET		
SIZE A4	DWG. NO. P-UE86-KX427-X0XX1	REV. A
SCALE 3:2	PROJECT	SHEET 7 OF 8

NOTES:

- DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 1.05 mm DIAMETER HOLES ARE CHASSIS GROUND (69 HOLES).

REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	SEP01/11	A.G.



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

2X8 PCB LAYOUT

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	DRAWN	ERIC.Z	SEP01/11	
	DESIGNED	J.SI	SEP01/11	
	CHECKED	X	X	
MATERIAL AND FINISH	N/A		QA APPD	X
REF.	X		IE APPD	X
CODE IDENT. NO.	03554	DWG APPD	A.G.	SEP01/11
SIZE	A4	DWG. NO.	P-UE86-KX427-X0XX1	REV. A
SCALE	1:1	PROJECT		SHEET 8 OF 8