

1

2

3

4

5

6

REV.

ECN

DESCRIPTION

DATE

APPROVED

A

-

PROPOSAL

AUG 30/11

A.G.

B

-

ADD 2X5 INTO PRODUCT SERIES

FEB 28/12

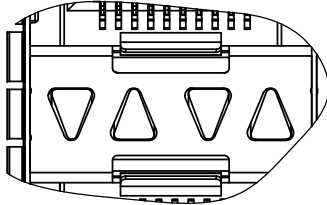
A.G.

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

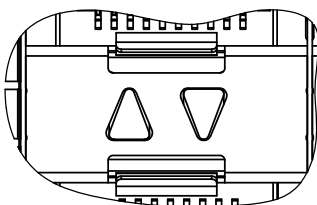
DATE CODE



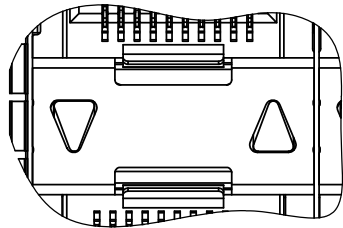
LIGHT PIPE CONFIGURATIONS



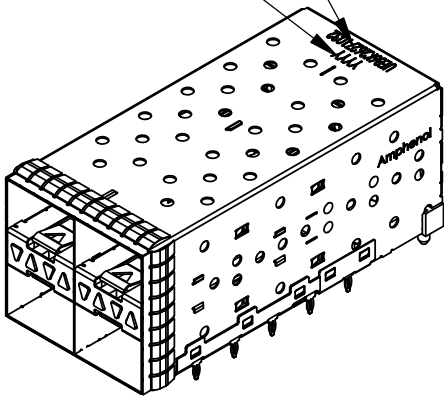
UE86-KX627-10XX1
(4 LIGHT PIPES PER 2X1)

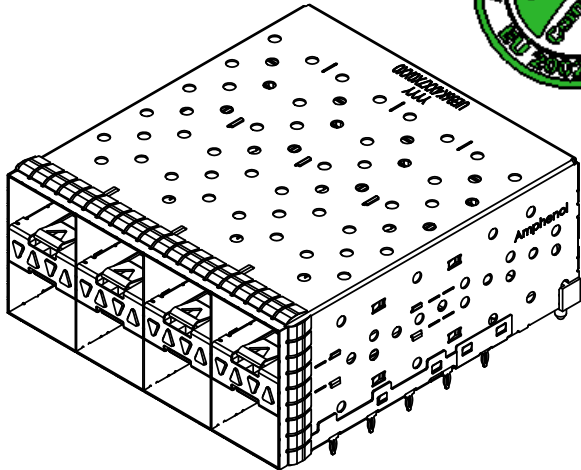


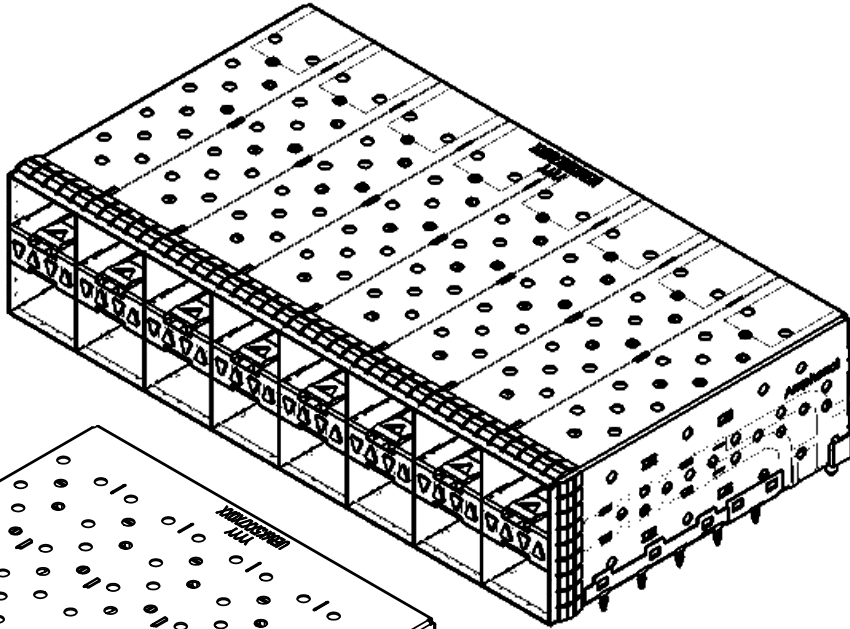
UE86-KX627-20XX1
(2 INNER LIGHT PIPES PER 2X1)

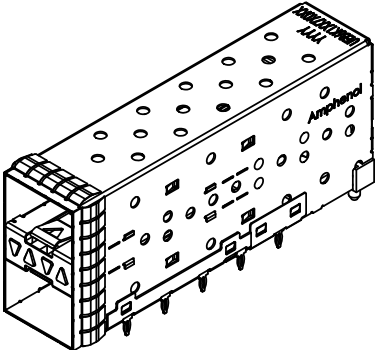


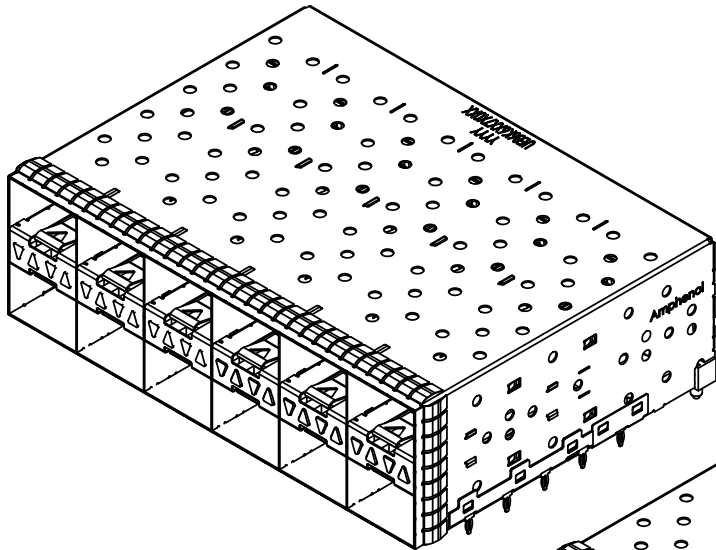
UE86-KX627-30XX1
(2 OUTER LIGHT PIPES PER 2X1)

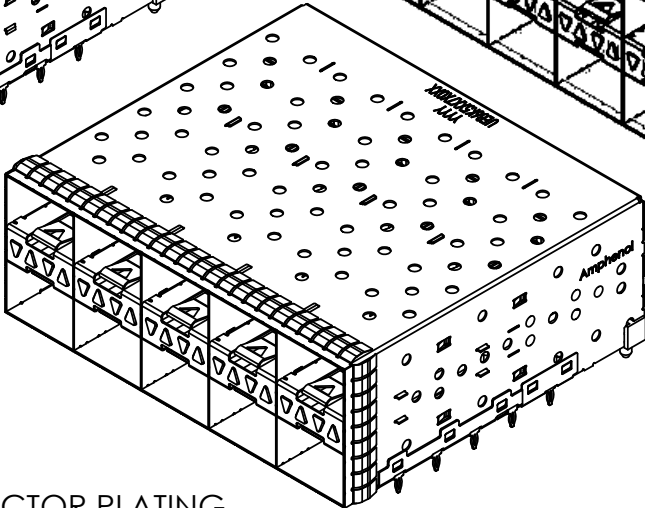












AMPHENOL PART NUMBER CONFIGURATION

UE86 - K X 627 - X 0 X X 1

NUMBER OF PORTS

1 = 2X1
2 = 2X2
4 = 2X4
5 = 2X5
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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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°

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
AUG 30/11

DESIGNED
J. SI
AUG 30/11

CHECKED
X
X

QA APPD
X
X

IE APP'D
X
X

DWG APP'D
A.G.
AUG 30/11

Amphenol Canada Corp.

TITLE
2XN SFP+ EXPRESSPORT™ COMBO
WITH LARGE LIGHT PIPE OPTIONS
SPRING FINGER EMI

SIZE
A4

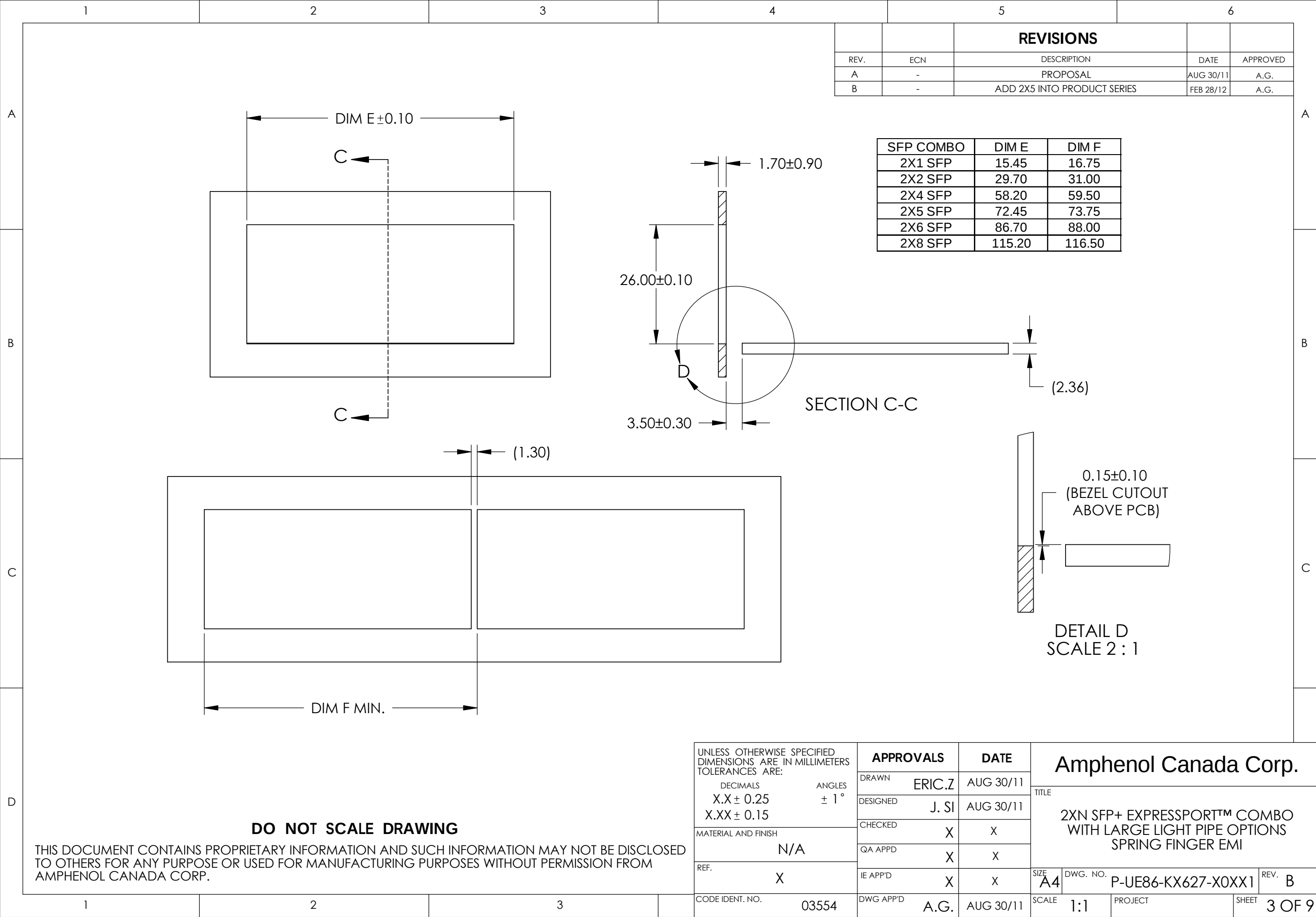
DWG. NO.
P-UE86-KX627-X0XX1

REV.
B

SCALE
2:3

PROJECT

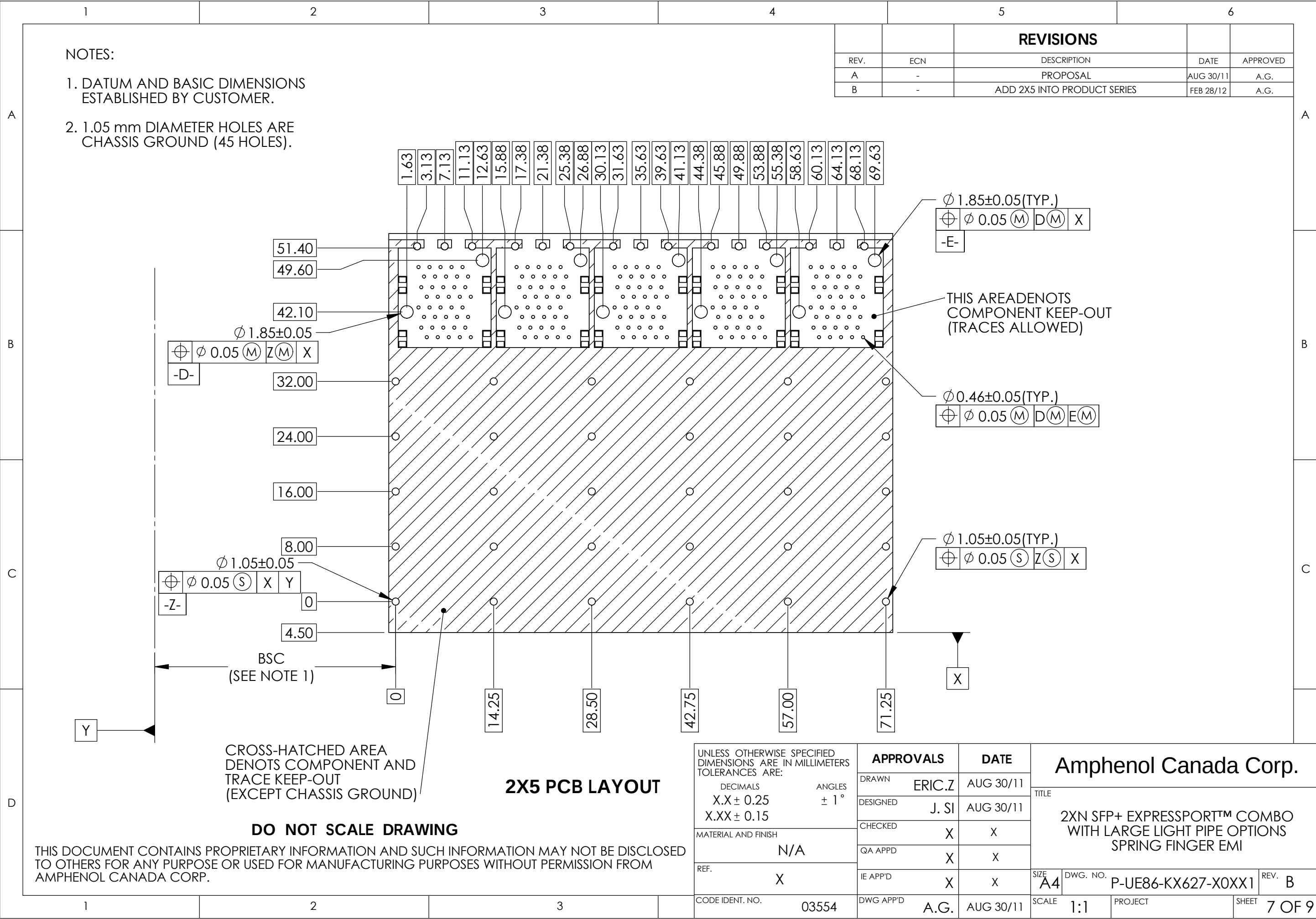
SHEET
1 OF 9



REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	AUG 30/11	A.G.
B	-	ADD 2X5 INTO PRODUCT SERIES	FEB 28/12	A.G.

SFP COMBO	DIM E	DIM F
2X1 SFP	15.45	16.75
2X2 SFP	29.70	31.00
2X4 SFP	58.20	59.50
2X5 SFP	72.45	73.75
2X6 SFP	86.70	88.00
2X8 SFP	115.20	116.50

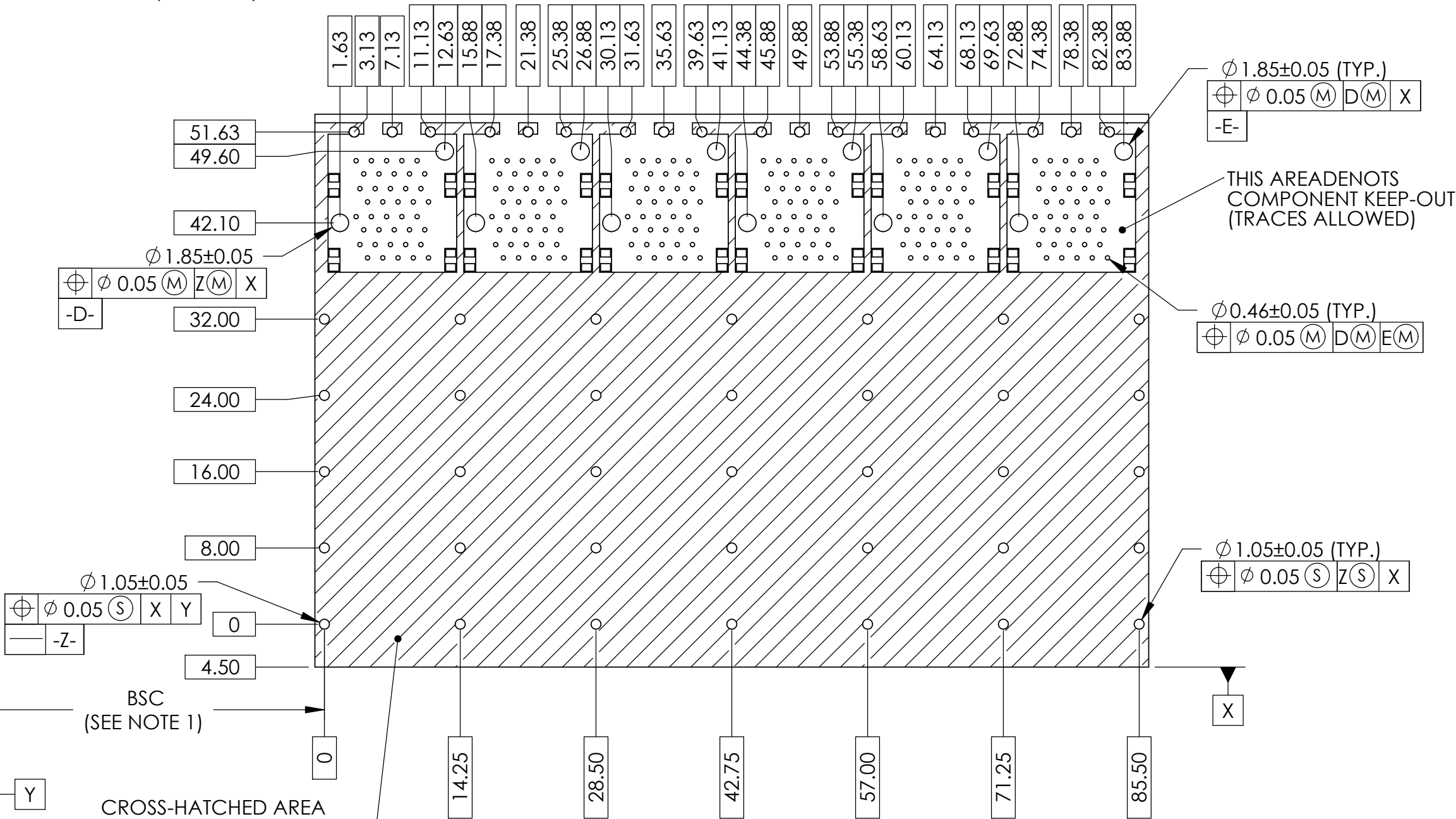
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.X ± 0.25 ± 1° X.XX ± 0.15		APPROVALS		DATE		Amphenol Canada Corp.													
		DRAWN	ERIC.Z	AUG 30/11															
		DESIGNED	J. SI	AUG 30/11		TITLE 2XN SFP+ EXPRESSPORT™ COMBO WITH LARGE LIGHT PIPE OPTIONS SPRING FINGER EMI													
		CHECKED	X	X															
MATERIAL AND FINISH		N/A		QA APPD		X		SIZE A4				DWG. NO. P-UE86-KX627-X0XX1		REV. B					
REF.		X		IE APP'D		X													
CODE IDENT. NO.		03554		DWG APP'D		A.G.		AUG 30/11		SCALE		1:1		PROJECT		SHEET		3 OF 9	



NOTES:

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

REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	AUG 30/11	A.G.
B	-	ADD 2X5 INTO PRODUCT SERIES	FEB 28/12	A.G.



2X6 PCB LAYOUT

DO NOT SCALE DRAWING

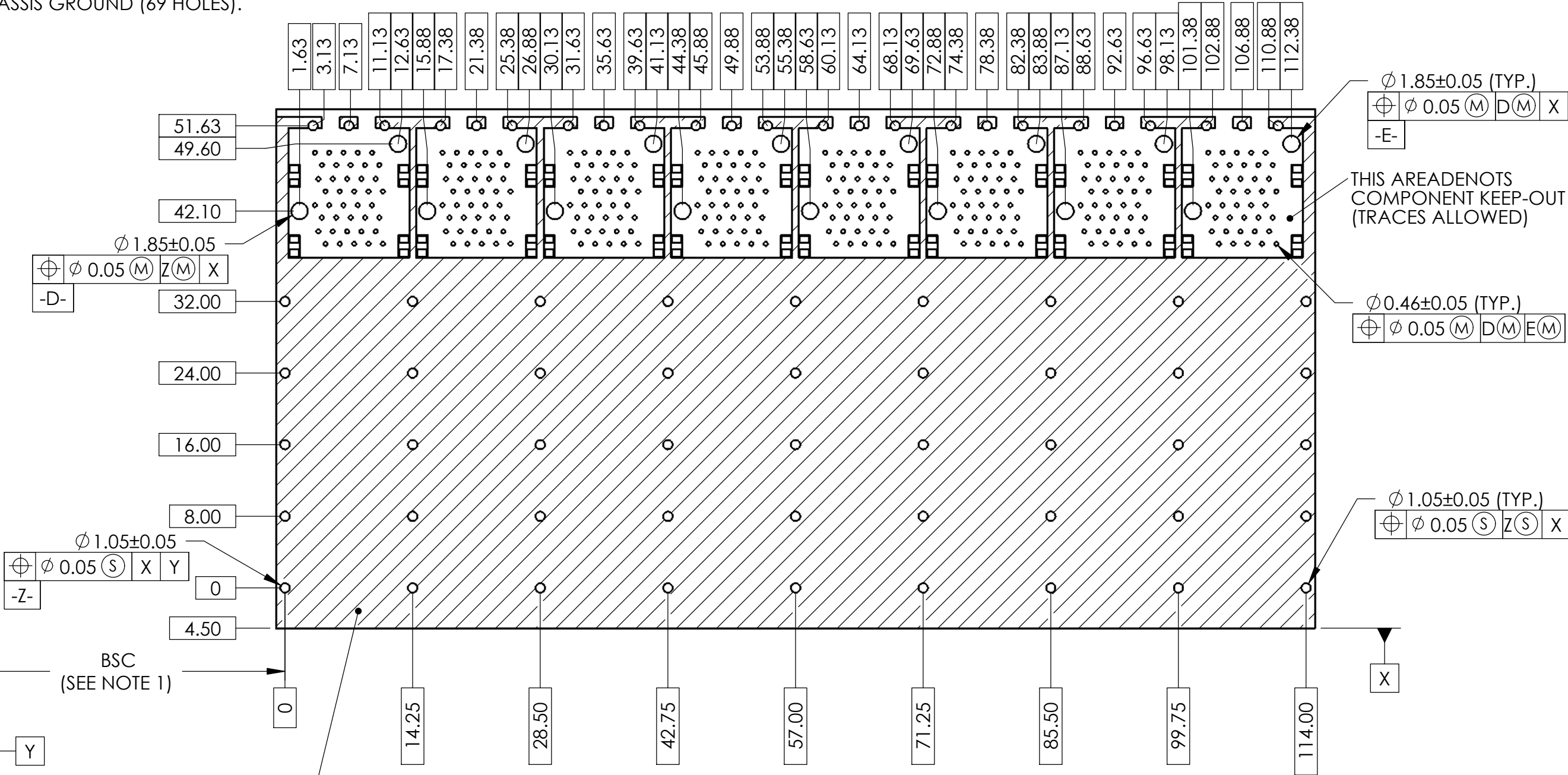
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.X $\pm$ 0.25 $\pm$ 1° X.XX $\pm$ 0.15		APPROVALS	DATE	Amphenol Canada Corp.	
		DRAWN ERIC.Z	AUG 30/11		
		DESIGNED J. SI	AUG 30/11	2XN SFP+ EXPRESSPORT™ COMBO WITH LARGE LIGHT PIPE OPTIONS SPRING FINGER EMI	
		CHECKED X	X		
MATERIAL AND FINISH	N/A	QA APPD X	X	SIZE A4	DWG. NO. P-UE86-KX627-X0XX1
REF.	X	IE APP'D X	X		
CODE IDENT. NO.	03554	DWG APP'D A.G.	AUG 30/11	SCALE 3:2	PROJECT
				SHEET	8 OF 9

NOTES:

1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
2. 1.05 mm DIAMETER HOLES ARE CHASSIS GROUND (69 HOLES).

REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
A	-	PROPOSAL	AUG 30/11	A.G.
B	-	ADD 2X5 INTO PRODUCT SERIES	FEB 28/12	A.G.



2X8 PCB LAYOUT

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		DRAWN	ERIC.Z	AUG 30/11								
MATERIAL AND FINISH N/A		DESIGNED	J. SI	AUG 30/11		TITLE 2XN SFP+ EXPRESSPORT™ COMBO WITH LARGE LIGHT PIPE OPTIONS SPRING FINGER EMI						
		CHECKED	X	X								
		QA APPD	X	X								
REF.	X	IE APP'D	X	X		SIZE	DWG. NO.	P-UE86-KX627-X0XX1	REV.	B		
CODE IDENT. NO.		03554		DWG APP'D	A.G.	AUG 30/11		SCALE	1:1	PROJECT	SHEET	9 OF 9

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

[UE86-3G4420-00361](#) [UE86-3G4420-40361](#) [UE86-D6627-10321](#) [UE86-K1627-10321](#)

FCI / Amphenol:

[UE86K462730321](#) [UE86K462710321](#) [UE86K862710321](#) [UE86K262710321](#)