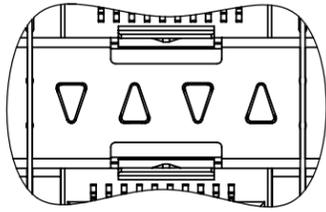
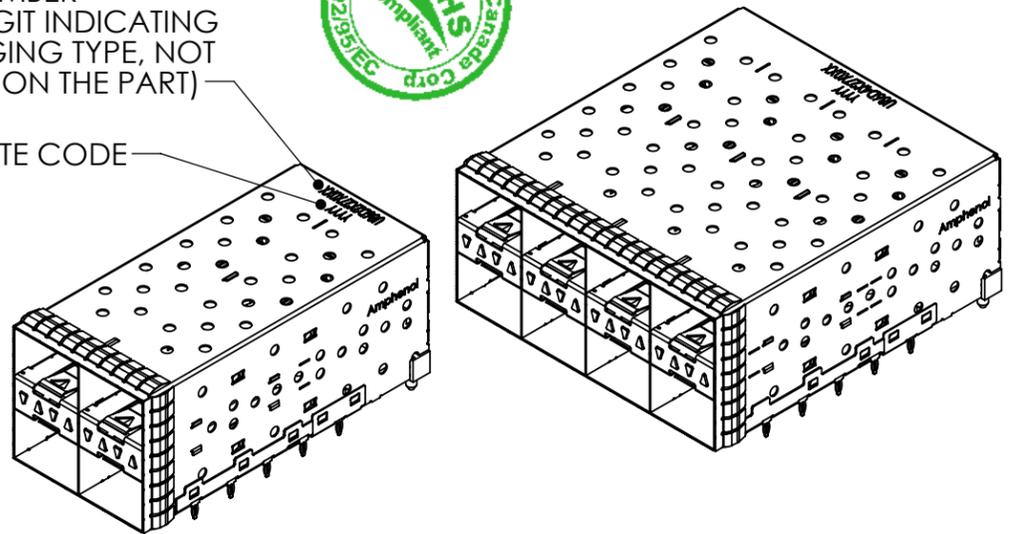


REVISIONS			
REV	DESCRIPTION	DATE	APPRD
D	PROPOSAL	FEB24/09	
E	PART NUMBER SYSTEM UPDATED	AUG27/09	
F	ADD 2X1 AND 2X8	SEP01/10	

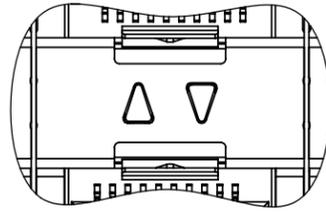


PART NUMBER  
(LAST DIGIT INDICATING  
PACKAGING TYPE, NOT  
PRINTED ON THE PART)

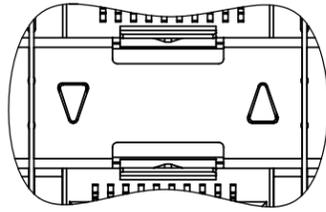
DATE CODE



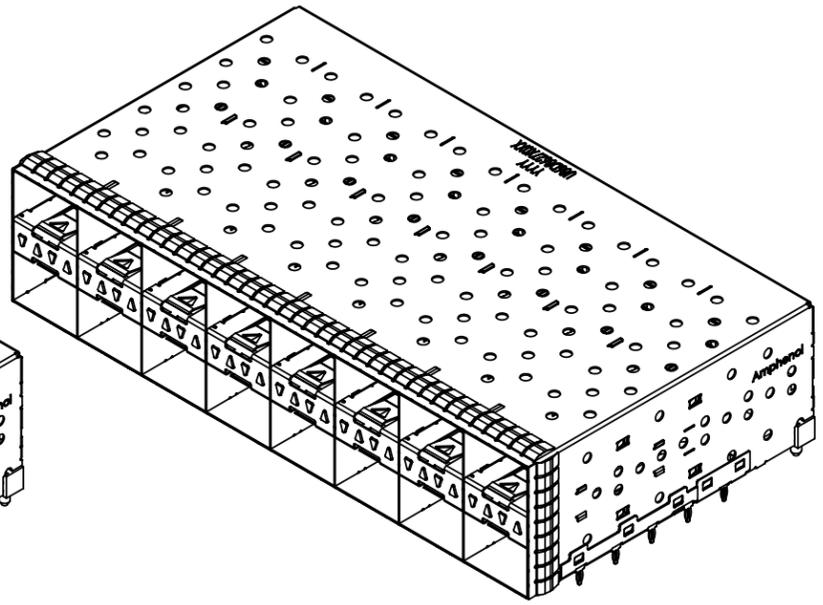
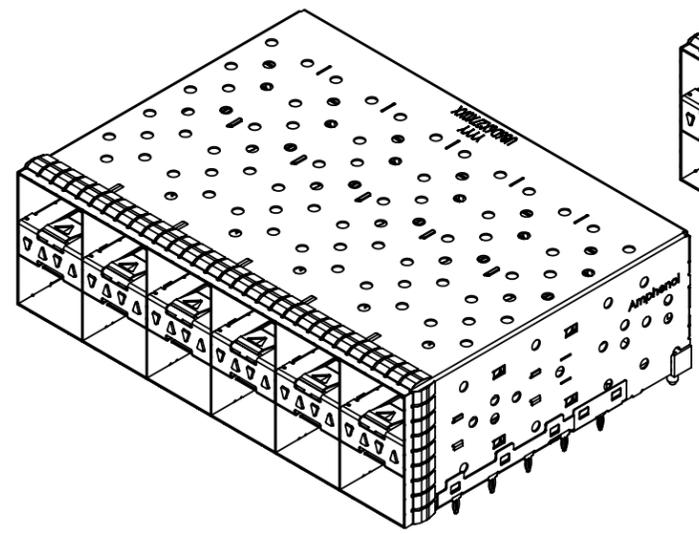
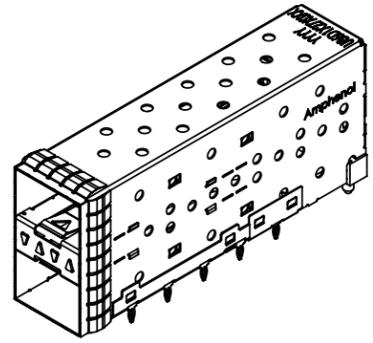
U86-DX627-10XX1  
4 LIGHT PIPES PER 2X1



U86-DX627-20XX1  
2 INNER LIGHT PIPES  
PER 2X1



U86-DX627-30XX1  
2 OUTER LIGHT PIPES  
PER 2X1



MATERIAL: (RoHS COMPLIANT)

CAGE - PRESS FIT:  
COPPER ALLOY

PLATING:  
SEE AMPHENOL PART NUMBER  
CONFIGURATION FOR OPTIONS.

CONNECTOR - PRESS FIT:

PLASTIC HOUSING:  
LCP, FLAMMABILITY RATING UL94-0.

CONTACTS:  
PHOSPHOR BRONZE  
PLATING OPTION: NICKEL 2.54 µm MIN.

LIGHT PIPE:  
CLEAR POLYCARBONATE, FLAMMABILITY  
RATING UL94-0.

PACKAGING:  
TRAY PACKAGING.

TEMPERATURE RANGE:  
-40°C TO +85°C

**AMPHENOL PART NUMBER CONFIGURATION**

U86 - D X 6 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**

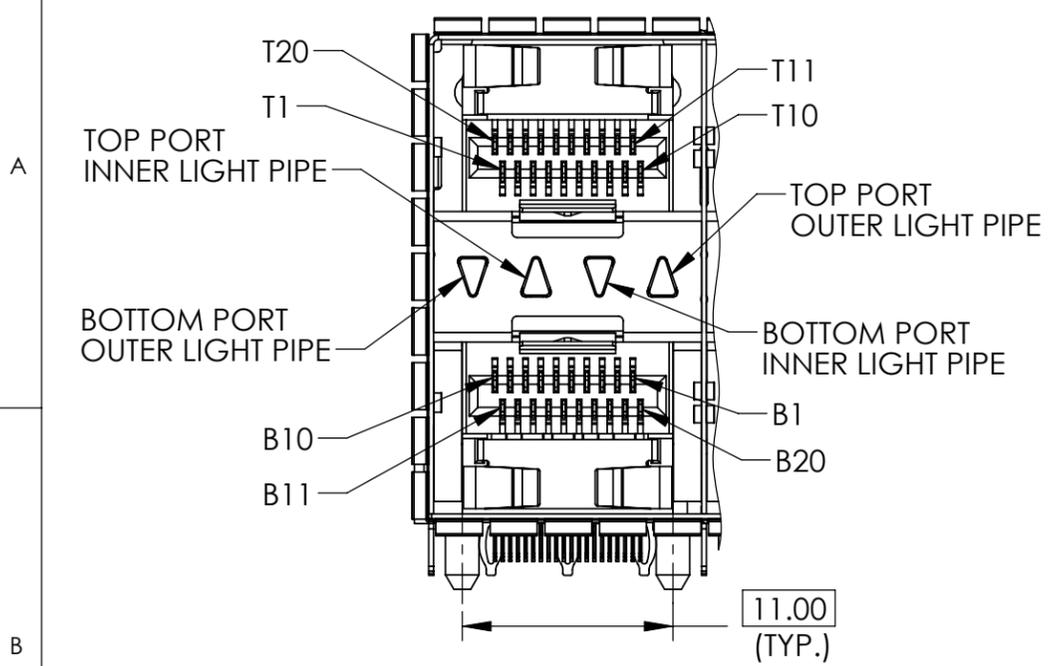
- 1 = 0.76 µm MIN. GOLD ON MATING AREA  
3.81-7.62 µm TIN/LEAD ON TERMINATION
- 4 = 0.38 µm MIN. GOLD ON MATING AREA  
3.81-7.62 µm TIN/LEAD ON TERMINATION

**DO NOT SCALE DRAWING**

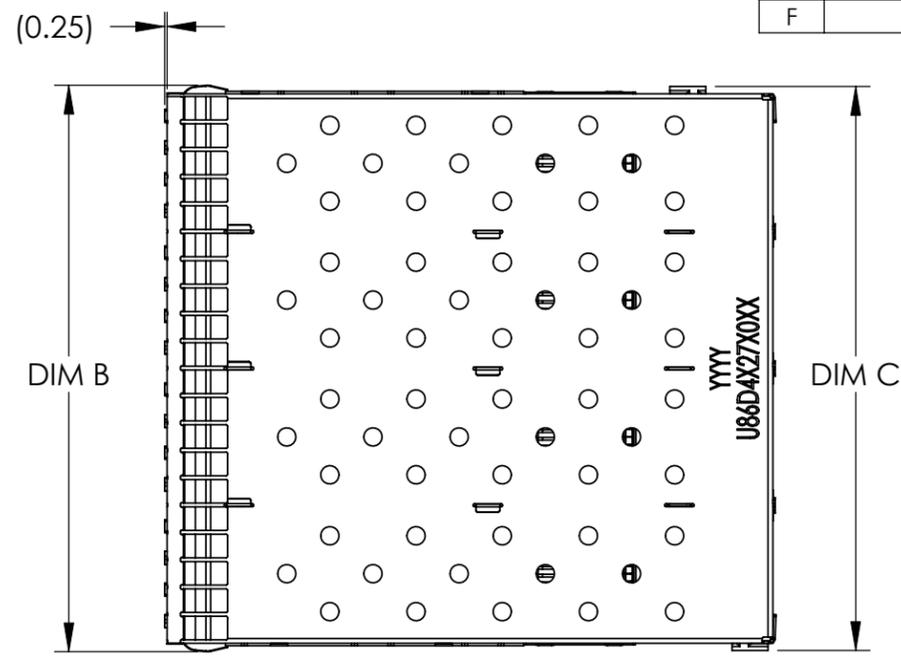
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DECIMALS X.X ± 0.25		DRAWN B.PHAM		SEP01/10			
ANGLES ± 1°		DESIGNED J.SI		FEB23/09		2XN SFP+ EXPRESSPORT™ COMBO WITH LIGHT PIPE (SPRING FINGER GASKET)	
MATERIAL AND FINISH N/A		CHECKED X		X		SIZE A4 DWG. NO. P-U86-DX627-X0XX1	
REF. X		QA APPD X		X		REV. F	
CODE IDENT. NO. 03554		IE APP'D X		X		SCALE 2:3 PROJECT SHEET 1 OF 8	

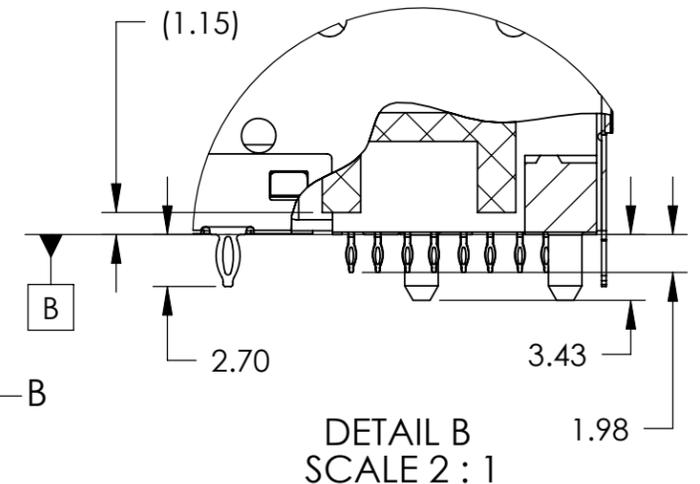
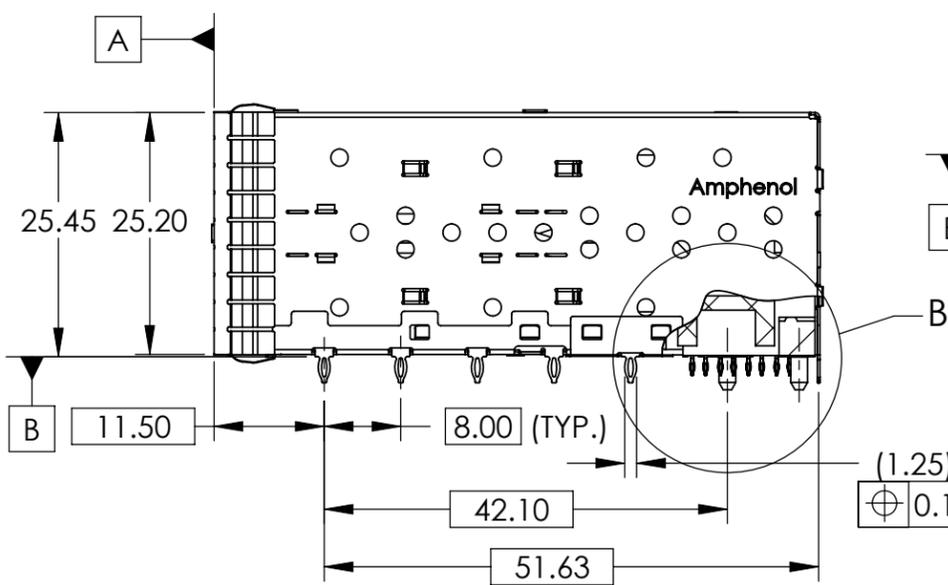
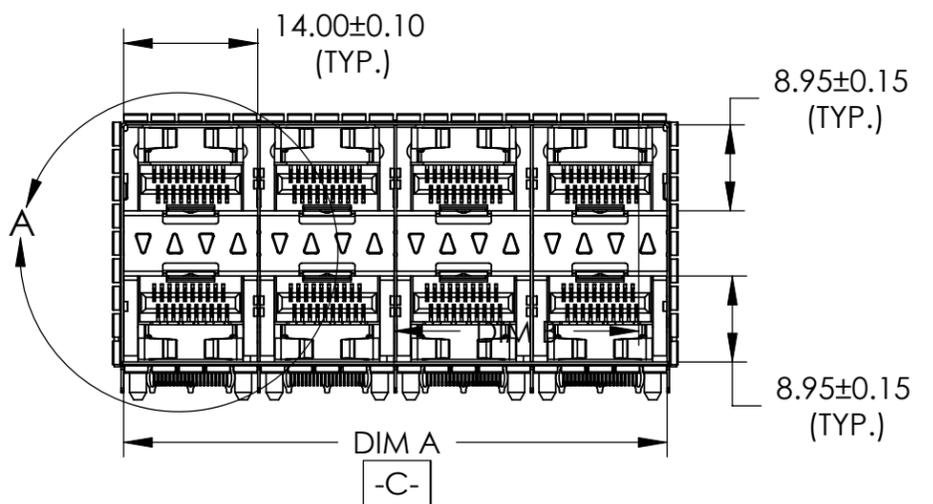
REVISIONS			
REV	DESCRIPTION	DATE	APPRD
D	PROPOSAL	FEB24/09	
E	PART NUMBER SYSTEM UPDATED	AUG27/09	
F	ADD 2X1 AND 2X8	SEP01/10	



DETAIL A  
SCALE 2 : 1



SFP COMBO	DIM A	DIM B	DIM C
2X1 SFP	14.00	16.25	16.00
2X2 SFP	28.25	30.50	30.25
2X4 SFP	56.75	59.00	58.75
2X6 SFP	85.25	87.50	87.25
2X8 SFP	113.75	116.00	115.75



DETAIL B  
SCALE 2 : 1

(1.25) (TYP.)  
 $\oplus 0.10 (M) C (M) A B$

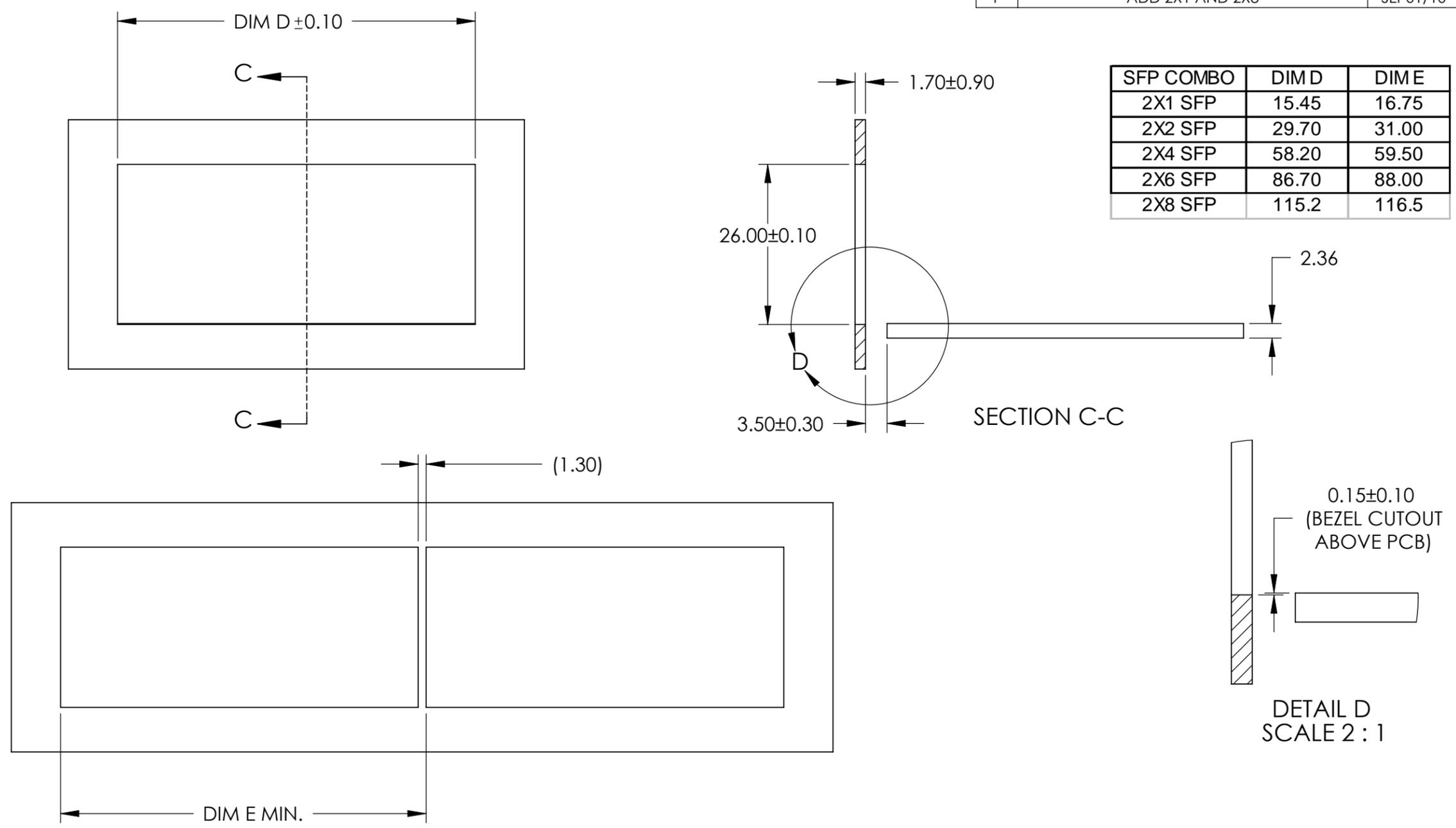
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.X ± 0.25 ± 1° X.XX ± 0.15	<b>APPROVALS</b>	<b>DATE</b>	<b>Amphenol Canada Corp.</b>
	DRAWN B.PHAM	SEP01/10	
	DESIGNED J.SI	FEB23/09	
	CHECKED X	X	
MATERIAL AND FINISH N/A	QA APPD X	X	TITLE 2XN SFP+ EXPRESSPORT™ COMBO WITH LIGHT PIPE (SPRING FINGER GASKET)
REF. X	IE APP'D X	X	SIZE A4 DWG. NO. P-U86-DX627-X0XX1 REV. F
CODE IDENT. NO. 03554	DWG APP'D		SCALE 1:1 PROJECT SHEET 2 OF 8

REVISIONS			
REV	DESCRIPTION	DATE	APPRD
D	PROPOSAL	FEB24/09	
E	PART NUMBER SYSTEM UPDATED	AUG27/09	
F	ADD 2X1 AND 2X8	SEP01/10	

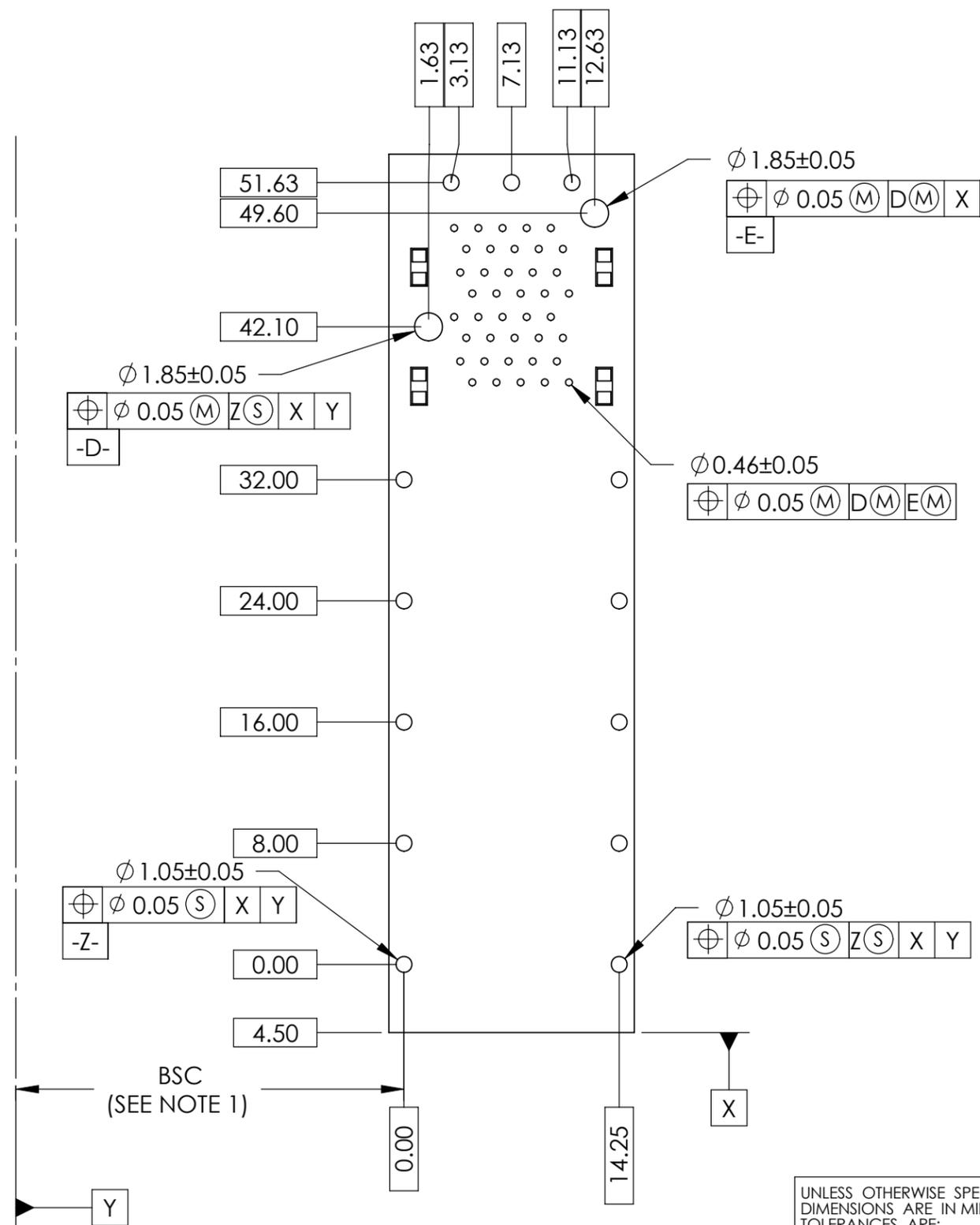
SFP COMBO	DIM D	DIM E
2X1 SFP	15.45	16.75
2X2 SFP	29.70	31.00
2X4 SFP	58.20	59.50
2X6 SFP	86.70	88.00
2X8 SFP	115.2	116.5



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS X.X ± 0.25 X.XX ± 0.15 ANGLES ± 1°	<b>APPROVALS</b>	<b>DATE</b>	<b>Amphenol Canada Corp.</b>
	DRAWN B.PHAM	SEP01/10	
MATERIAL AND FINISH N/A	DESIGNED J.SI	FEB23/09	TITLE 2XN SFP+ EXPRESSPORT™ COMBO WITH LIGHT PIPE (SPRING FINGER GASKET)
REF. X	CHECKED X	X	SIZE A4 DWG. NO. P-U86-DX627-X0XX1 REV. F
CODE IDENT. NO. 03554	QA APPD X	X	SCALE 1:1 PROJECT SHEET 3 OF 8
	IE APP'D X	X	
	DWG APP'D		

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REVISIONS			
REV	DESCRIPTION	DATE	APPRD
D	PROPOSAL	FEB24/09	
E	PART NUMBER SYSTEM UPDATED	AUG27/09	
F	ADD 2X1 AND 2X8	SEP01/10	



- NOTES:
- DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
  - 1.05 mm DIAMETER HOLES ARE CHASSIS GROUND (13 HOLES).

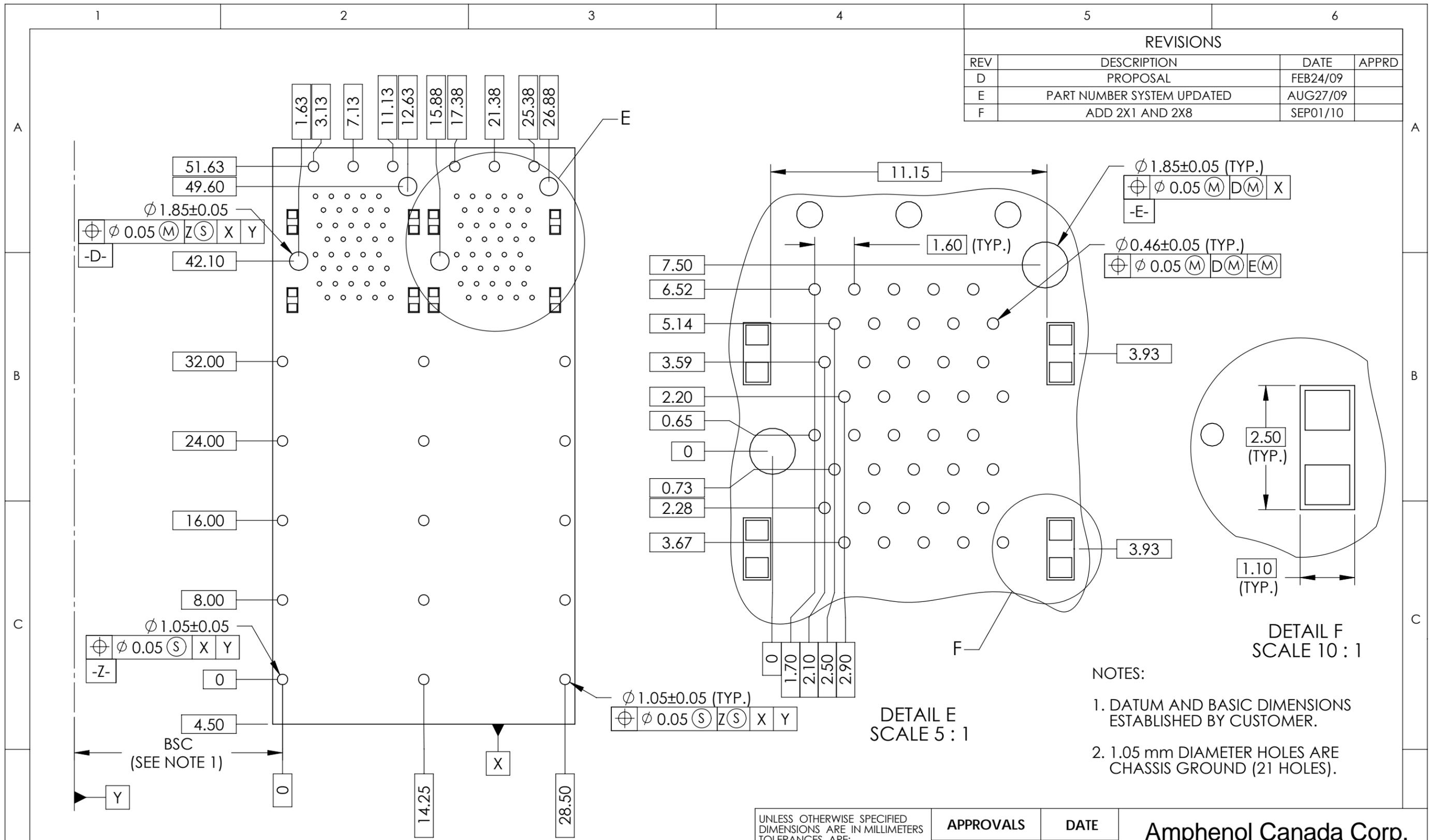
**2X1 PCB LAYOUT**

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.X ± 0.25 ± 1° X.XX ± 0.15	<b>APPROVALS</b>	<b>DATE</b>	<b>Amphenol Canada Corp.</b>	
	DRAWN B.PHAM	SEP01/10		
	DESIGNED J.SI	FEB23/09	TITLE 2XN SFP+ EXPRESSPORT™ COMBO WITH LIGHT PIPE (SPRING FINGER GASKET)	
	CHECKED X	X		
MATERIAL AND FINISH N/A	QA APPD X	X	SIZE A4	DWG. NO. P-U86-DX627-X0XX1
REF. X	IE APP'D X	X	REV. F	
CODE IDENT. NO. 03554	DWG APP'D		SCALE 2:1	SHEET 4 OF 8

REVISIONS			
REV	DESCRIPTION	DATE	APPRD
D	PROPOSAL	FEB24/09	
E	PART NUMBER SYSTEM UPDATED	AUG27/09	
F	ADD 2X1 AND 2X8	SEP01/10	



**2X2 PCB LAYOUT**

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**DETAIL E  
SCALE 5 : 1**

**DETAIL F  
SCALE 10 : 1**

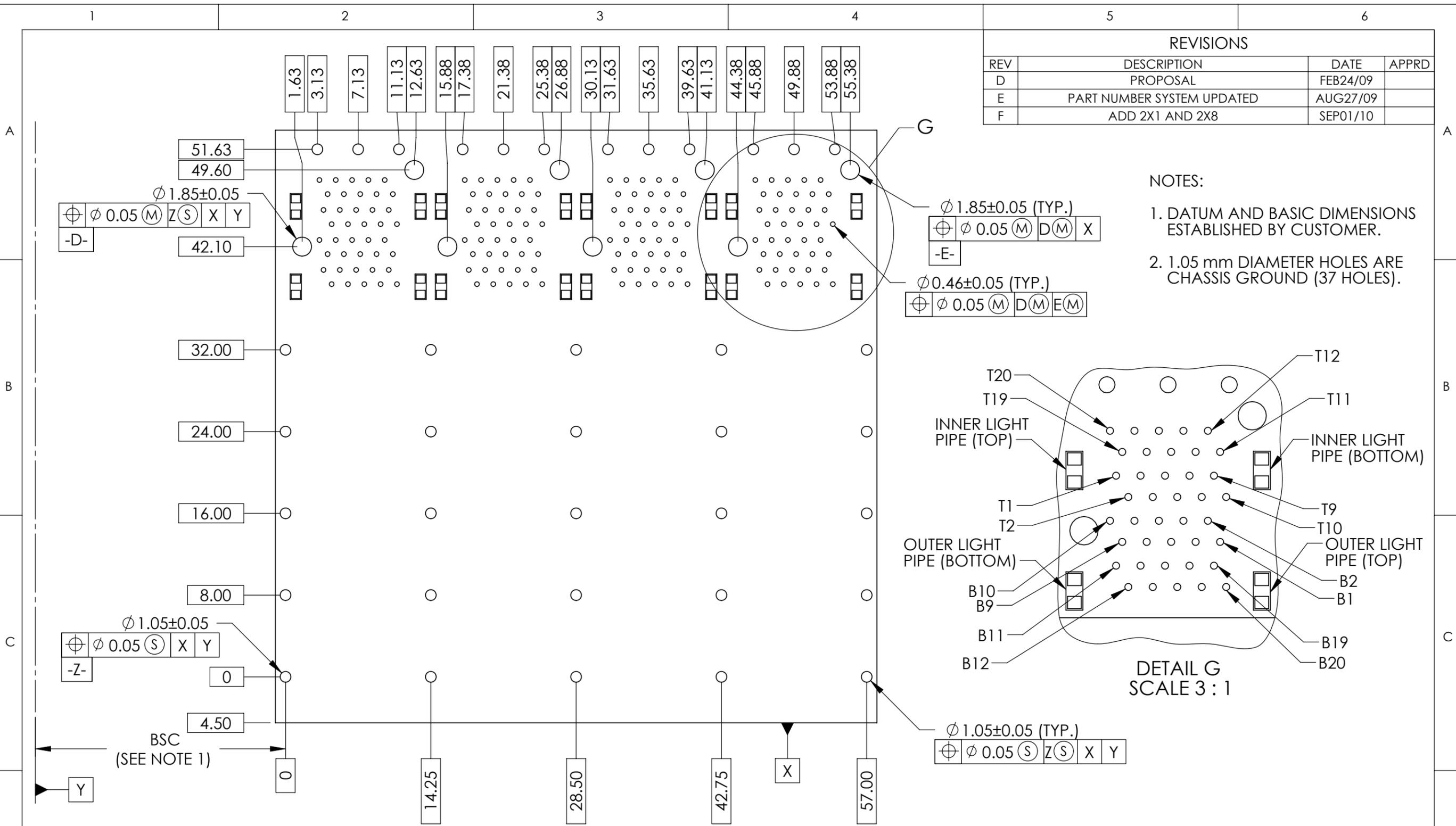
**NOTES:**

1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
2. 1.05 mm DIAMETER HOLES ARE CHASSIS GROUND (21 HOLES).

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	<b>APPROVALS</b>	<b>DATE</b>	<b>Amphenol Canada Corp.</b>	
	DRAWN B.PHAM	SEP01/10		
	DESIGNED J.SI	FEB23/09	TITLE	2XN SFP+ EXPRESSPORT™ COMBO WITH LIGHT PIPE (SPRING FINGER GASKET)
	CHECKED X	X	SIZE A4	
	QA APPD X	X	DWG. NO. P-U86-DX627-X0XX1	
REF. X	IE APP'D X	X	SCALE 2:1	PROJECT
	DWG APP'D		SHEET	5 OF 8

REVISIONS			
REV	DESCRIPTION	DATE	APPRD
D	PROPOSAL	FEB24/09	
E	PART NUMBER SYSTEM UPDATED	AUG27/09	
F	ADD 2X1 AND 2X8	SEP01/10	

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



**2X4 PCB LAYOUT**

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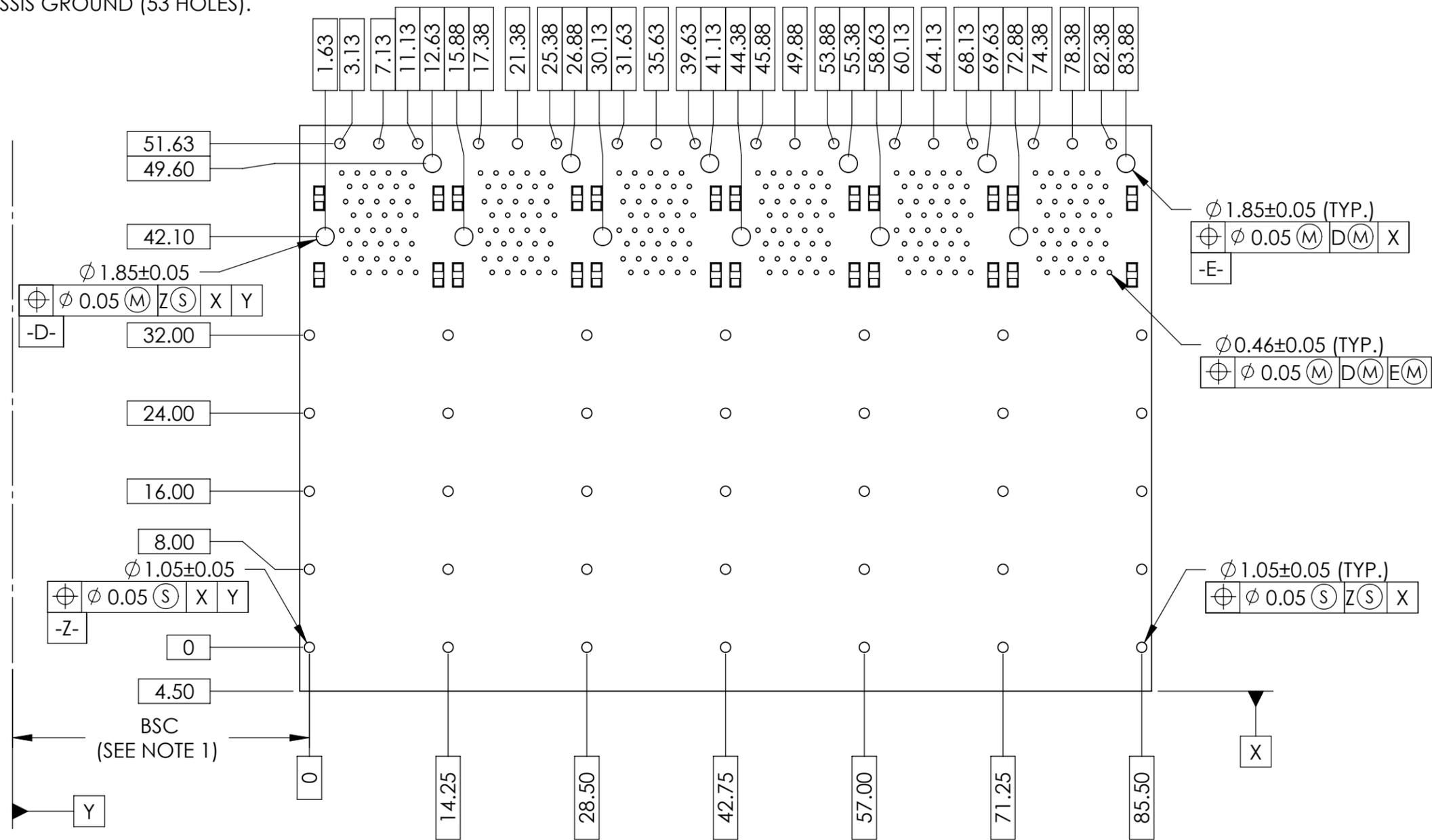
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES X.X ± 0.25 ± 1° X.XX ± 0.15	<b>APPROVALS</b>	<b>DATE</b>	<b>Amphenol Canada Corp.</b>
	DRAWN B.PHAM	SEP01/10	
MATERIAL AND FINISH N/A	DESIGNED J.SI	FEB23/09	TITLE 2XN SFP+ EXPRESSPORT™ COMBO WITH LIGHT PIPE (SPRING FINGER GASKET)
	CHECKED X	X	SIZE A4 DWG. NO. P-U86-DX627-X0XX1 REV. F
REF. X	QA APPD X	X	SCALE 2:1 PROJECT SHEET 6 OF 8
CODE IDENT. NO. 03554	IE APP'D X	X	
	DWG APP'D		

NOTES:

1. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

2. 1.05 mm DIAMETER HOLES ARE CHASSIS GROUND (53 HOLES).

REVISIONS			
REV	DESCRIPTION	DATE	APPRD
D	PROPOSAL	FEB24/09	
E	PART NUMBER SYSTEM UPDATED	AUG27/09	
F	ADD 2X1 AND 2X8	SEP01/10	



2X6 PCB LAYOUT

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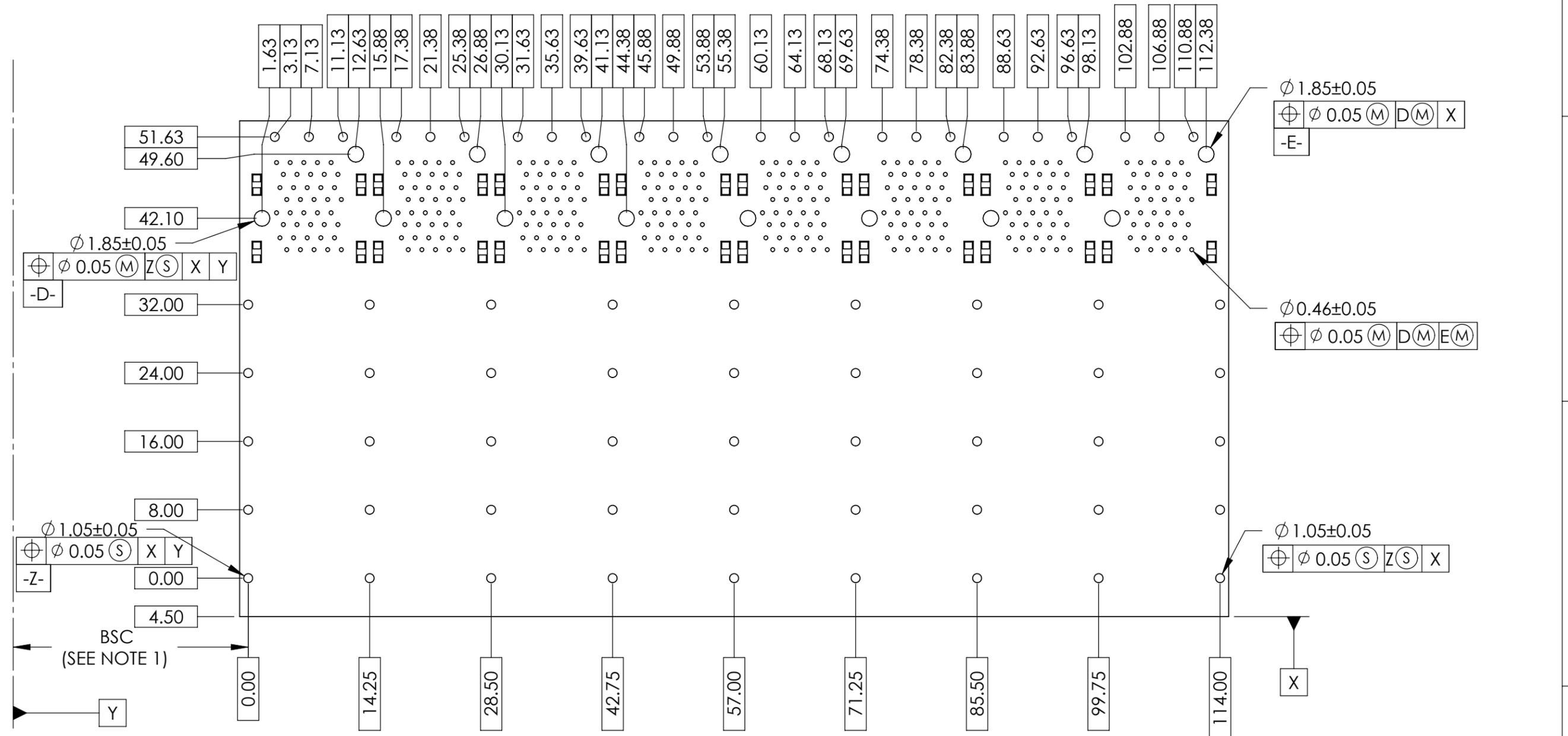
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS X.X ± 0.25 X.XX ± 0.15 ANGLES ± 1°	APPROVALS	DATE	Amphenol Canada Corp.	
	DRAWN B.PHAM	SEP01/10		
	DESIGNED J.SI	FEB23/09	TITLE	
	CHECKED X	X	2XN SFP+ EXPRESSPORT™ COMBO WITH LIGHT PIPE (SPRING FINGER GASKET)	
MATERIAL AND FINISH N/A	QA APPD X	X	SIZE A4	DWG. NO. P-U86-DX627-X0XX1
REF. X	IE APP'D X	X	SCALE 3:2	PROJECT
CODE IDENT. NO. 03554	DWG APP'D		SHEET 7 OF 8	REV. F

NOTES:

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

REVISIONS

REV	DESCRIPTION	DATE	APPRD
D	PROPOSAL	FEB24/09	
E	PART NUMBER SYSTEM UPDATED	AUG27/09	
F	ADD 2X1 AND 2X8	SEP01/10	



2X8 PCB LAYOUT

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DECIMALS X.X ± 0.25 X.XX ± 0.15		DRAWN B.PHAM		SEP01/10		TITLE	
ANGLES ± 1°		DESIGNED J.SI		FEB23/09		2XN SFP+ EXPRESSPORT™ COMBO WITH LIGHT PIPE (SPRING FINGER GASKET)	
MATERIAL AND FINISH N/A		CHECKED X		X		SIZE A4	
REF. X		QA APPD X		X		DWG. NO. P-U86-DX627-X0XX1	
CODE IDENT. NO. 03554		IE APP'D X		X		REV. F	
		DWG APP'D				SCALE 3:2	
						PROJECT	
						SHEET 8 OF 8	