

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

**SPECIFICATIONS**

**Electrical**  
 Current Rating: 0.5A AC(rms)/DC  
 Voltage Rating: 30V AC(rms)/DC  
 Contact Resistance: 80 mΩ Max  
 Insulation Resistance: 1000 MΩ Min  
 Withstanding Voltage: 300V AC r.m.s  
 Operating Temperature: -40°C~+85°C  
 Storage Temperature: -55°C~+105°C

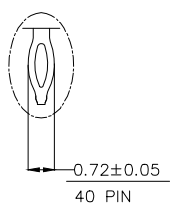
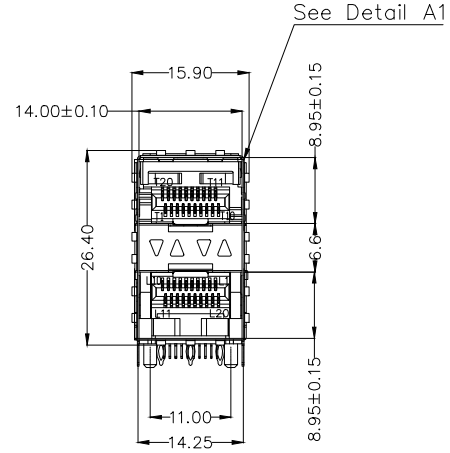
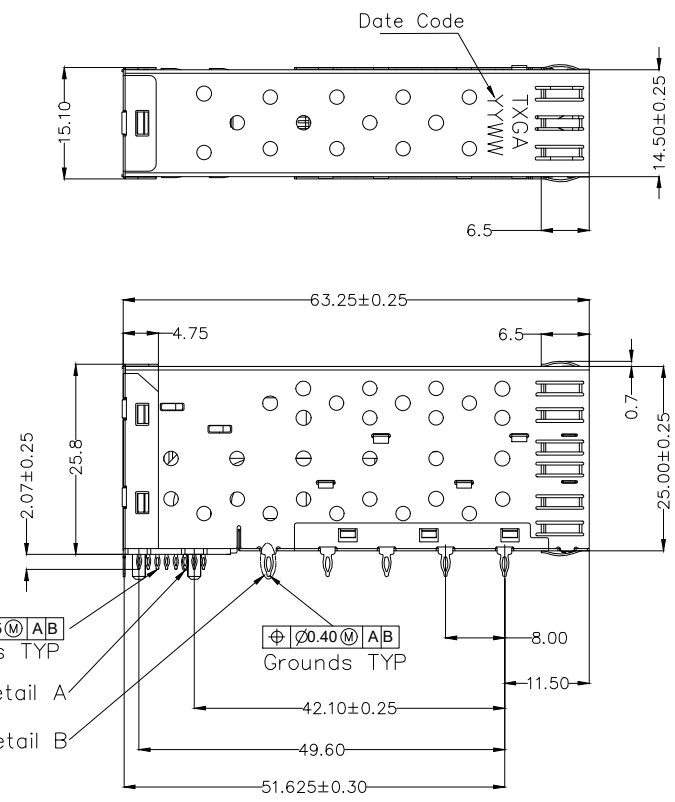
**Material and plating**  
 Housing: LCP (UL 94V-0) Black  
 Moulded Insert: High Temperature Plastic (UL 94V-0) Black  
 Light Pipes: PC (UL 94V-0) Clear  
 Light Pipe Housing: PBT (UL 94V-0) Black  
 Contacts: Copper Alloy/Selective gold plated on contact area and matte tin plated on tails area  
 Cage: Copper Alloy/Nickel plating 30u"MIN

**Mechanical Requirement**  
 Durability: 100 Cycles Min  
 Insertion and Extraction Force: 40N Max & 11.5N Max

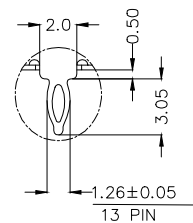
**Ordering Information**

FSFPO 001 — 02 F 7 XX S X 0  
 1 2 3 4 5 6 7 8

1   Form factor FSFPO-SFP	2   Model serial num 001	3   Port Configuration 02-2 Ports	4   Mounting Style F-Through hole press-fit
5   Plating 7-Selective gold plated on contact area and matte tin plated on tails area	6   Plating Thickness 15-15u" 30-30u"	7   Cage S-With cage	8   Light Pipes 0-Without lightpipe 1-With inner and outer lightpipes 2-With inner lightpipes 3-With outer lightpipes



Detail A  
Scale 10:1



Detail B  
Scale 5:1

<p>THIRD ANGLE PROJECTION</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p>		<p>APPROVE BY LEO</p>	<p>DATE 19/Sept/23</p>	<p>PART NO. FSFPO001-02F7XXSX0</p>	<p>ITEM NO. FSFPO001</p>	<p>Building Technology Cornerstone</p>
	<p>X. ±0.30</p>	<p>X.* ±5°</p>	<p>CHECKED BY GISELLE</p>	<p>DATE 19/Sept/23</p>	<p>TITLE Small Form-factor Pluggable Pitch 0.8mm 90°Angle</p>		
<p>DESIGN UNITS METRIC(mm)</p>	<p>X.X ±0.20</p>	<p>X.X* ±2°</p>	<p>DRAWN BY Hejianpeng</p>	<p>DATE 19/Sept/23</p>	<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S,Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>		
<p>SCALE 5:1</p>	<p>SIZE A4</p>	<p>X.XX ±0.15</p>	<p>X.XX* ±1°</p>	<p>X.XXX ±0.10</p>	<p>X.XXX* ±0.5°</p>		

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A

B

C

D

E

F

A

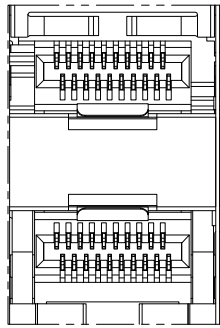
B

C

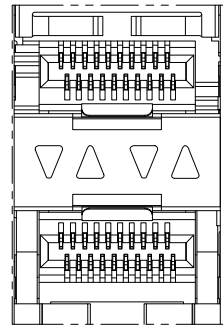
D

E

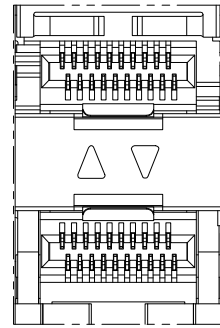
F



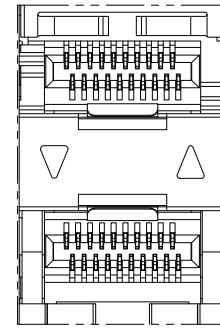
0-Without lightpipe



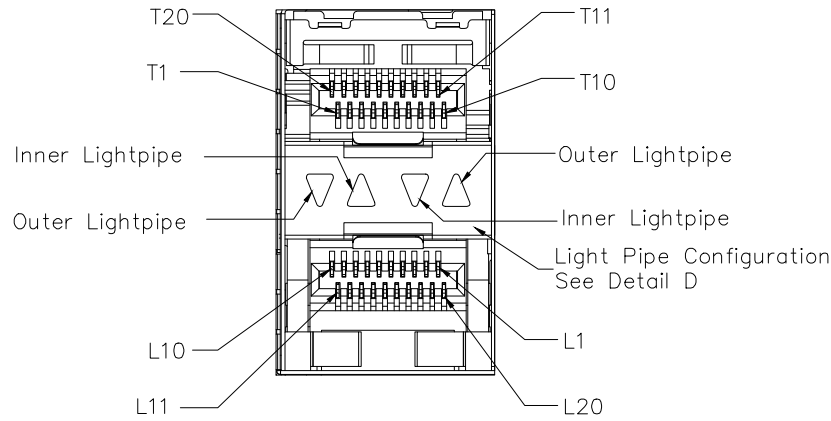
1-With inner and outer lightpipes



2-With inner lightpipes



3-With outer lightpipes



Detail A  
Scale 4:1

Light Pipe Configuration  
Detail D Scale2:1

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	X. ±0.30	X.* ±5°	LEO	19/Sept/23	FSFP0001-02F7XXSX0	FSFP0001		
	DESIGN UNITS METRIC(mm)	X.X ±0.20	X.X* ±2°	CHECKED BY	DATE	TITLE		REV 0
	SCALE	SIZE	X.XX ±0.15	X.XX* ±1°	HEJIANPENG	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
5:1	A4	X.XXX ±0.10	X.XXX* ±0.5°	Hejianpeng	19/Sept/23	SHEET NO. 2/4		

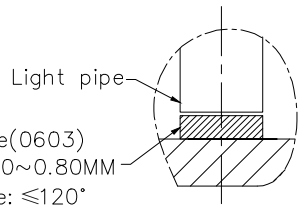
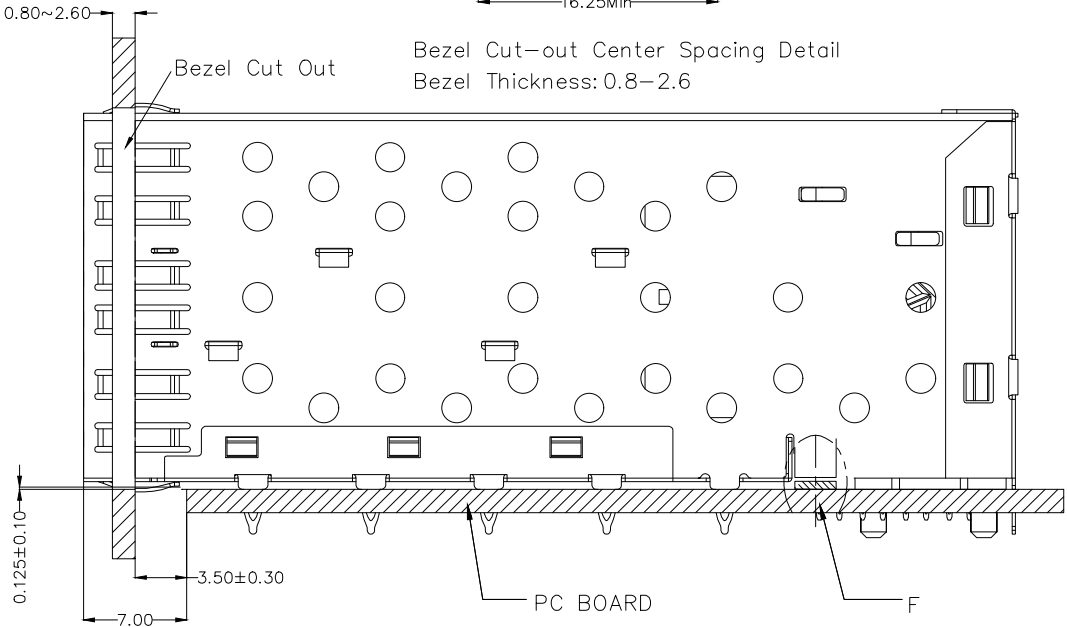
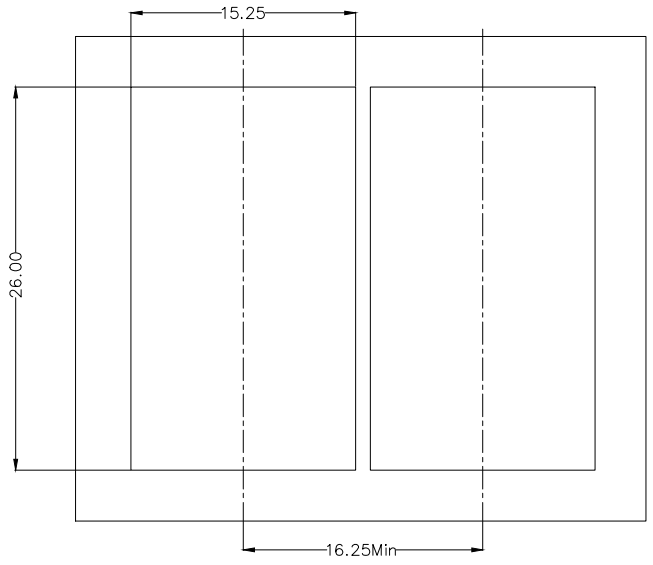
1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F

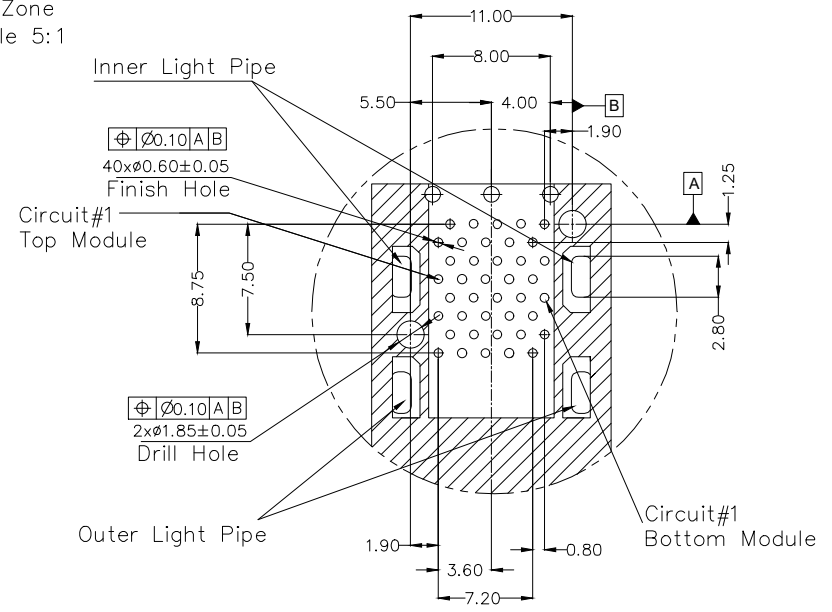
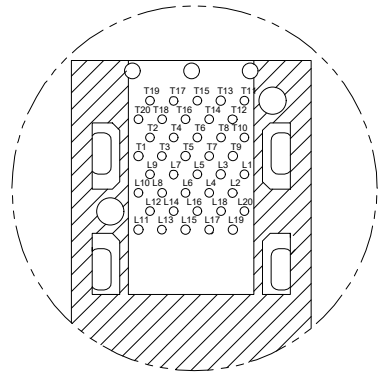
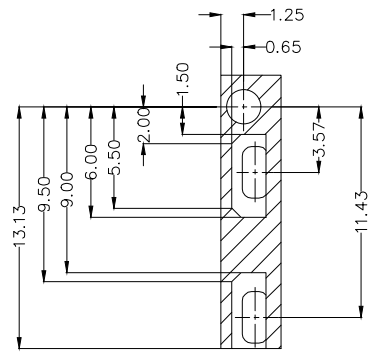
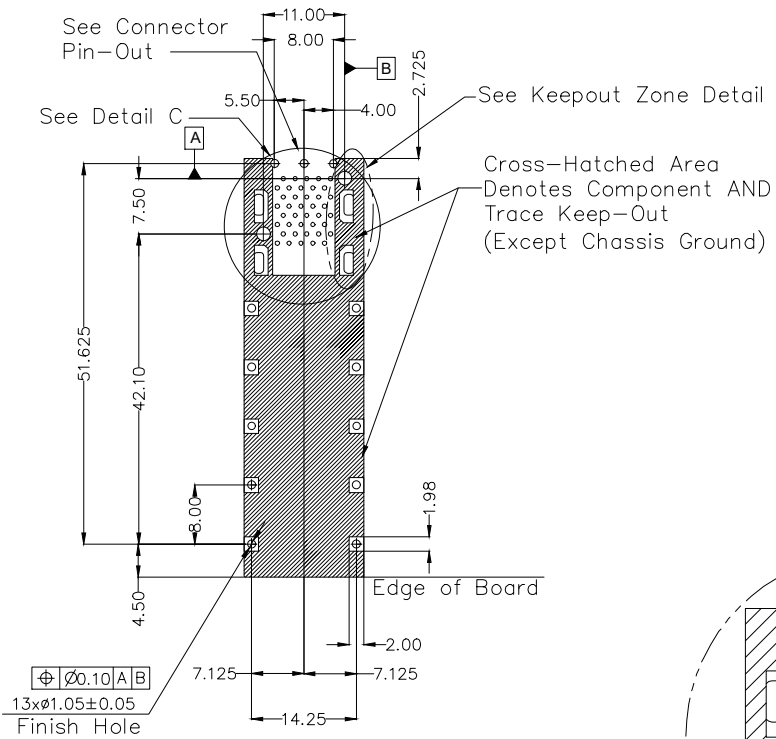


Detail F  
Scale 4:1

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 19/Sept/23	PART NO. FSFP0001-02F7XXSX0	ITEM NO. FSFP0001	<p>Building Technology Cornerstone</p>	
	X. ±0.30	X.' ±5°	CHECKED BY GISELLE	DATE 19/Sept/23	TITLE Small Form-factor Pluggable Pitch 0.8mm 90°Angle			REV 0
	DESIGN UNITS METRIC(mm)	X.X ±0.20	X.X' ±2°	DRAWN BY Hejianpeng	DATE 19/Sept/23	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	SCALE 5:1	SIZE A4	X.XX ±0.15	X.XX' ±1°	X.XXX ±0.10	X.XXX' ±0.5°		

1 2 3 4 5 6 7 8

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RECOMMENDED PCB LAYOUT—COMPONENT SIDE  
 RECOMMENDED PCB THICKNESS—2.63MM  
 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT  
 TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS  
 (OTHER THAN LIGHT PIPE LED'S)  
 THIS AREA IS INDICATED BY THE DASHED LINE

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 19/Sept/23	PART NO. FSFP0001-02F7XXSX0	ITEM NO. FSFP0001	 Building Technology Cornerstone	
	X. $\pm 0.30$	X.' $\pm 5^{\circ}$	CHECKED BY GISELLE	DATE 19/Sept/23	TITLE Small Form-factor Pluggable Pitch 0.8mm 90°Angle			
DESIGN UNITS METRIC(mm)	X.X $\pm 0.20$	X.X' $\pm 2^{\circ}$	DRAWN BY Hejianpeng	DATE 19/Sept/23	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		REV 0	SHEET NO. 4/4