

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Power pin adds contacts and Change current value to 7A	21/MAY/24	KATE	LEO

**SPECIFICATIONS**

**Electrical**

Current Rating: 0.3A AC(rms)/DC (Signal contact)  
 $\triangle$  7A AC(rms)/DC (Power contact)  
Voltage Rating: 30V AC(rms)/DC  
Contact Resistance: 90 m $\Omega$  Max. (Signal contact)  
30 m $\Omega$  Max. (Power contact)  
Insulation Resistance: 50 M $\Omega$  Min. (Initial)  
Withstanding Voltage: 100V AC r.m.s  
Temperature Range-Operating: -40°C~+85°C

**Material**

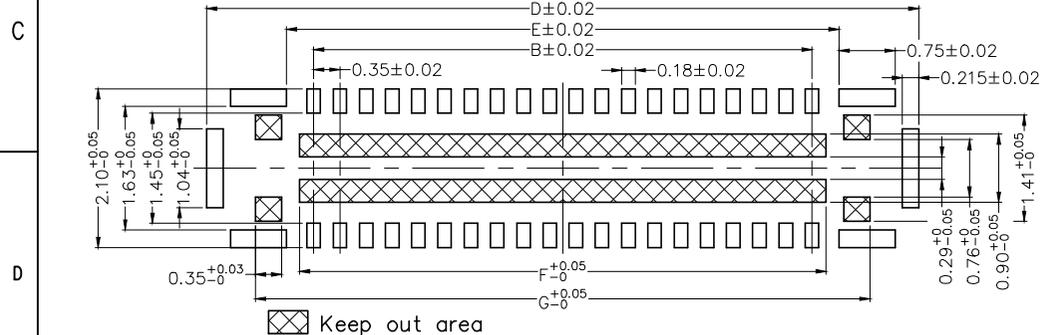
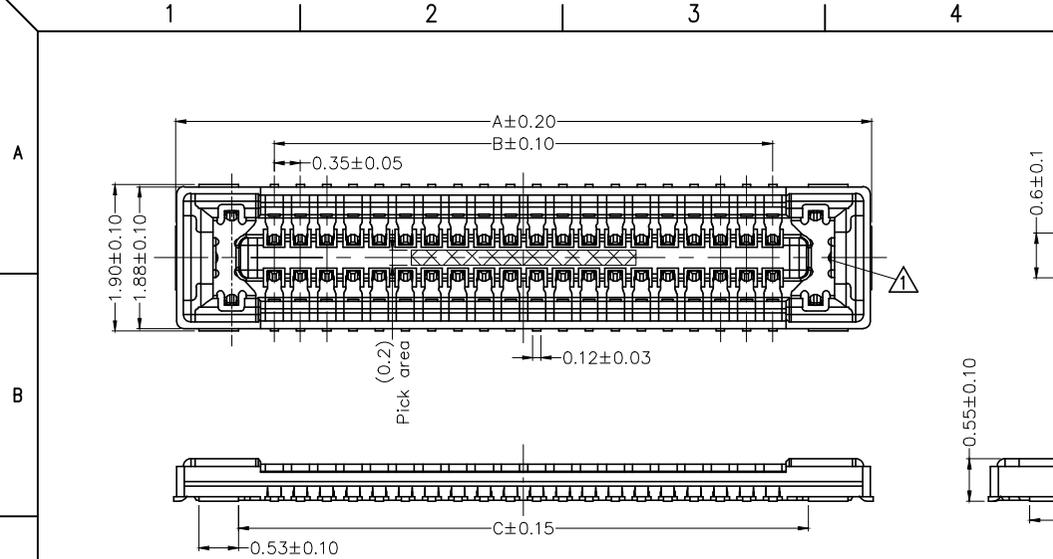
Housing: LCP (UL 94V-0), Black  
Signal Contact: Copper alloy/ Gold plated  
Power Contact: Copper alloy/ Gold plated

Circuits (n)	Part No.	Dimensions						
		A	B	C	D	E	F	G
6	FBB03502-F06S1143BKM	3.30	0.70	1.62	3.545	1.42	1.07	2.25
10	FBB03502-F10S1143BKM	4.00	1.40	2.32	4.245	2.12	1.77	2.95
16	FBB03502-F16S1143BKM	5.05	2.45	3.37	5.295	3.17	2.82	4.00
24	FBB03502-F24S1143BKM	6.45	3.85	4.77	6.695	4.57	4.22	5.40
30	FBB03502-F30S1143BKM	7.50	4.90	5.82	7.745	5.62	5.27	6.45
32	FBB03502-F32S1143BKM	7.85	5.25	6.17	8.095	5.97	5.62	6.80
34	FBB03502-F34S1143BKM	8.20	5.60	6.52	8.445	6.32	5.97	7.15
40	FBB03502-F40S1143BKM	9.25	6.65	7.57	9.495	7.37	7.02	8.20
48	FBB03502-F48S1143BKM	10.65	8.05	8.97	10.895	8.77	8.42	9.60
60	FBB03502-F60S1143BKM	12.75	10.15	11.07	12.995	10.87	10.52	11.70

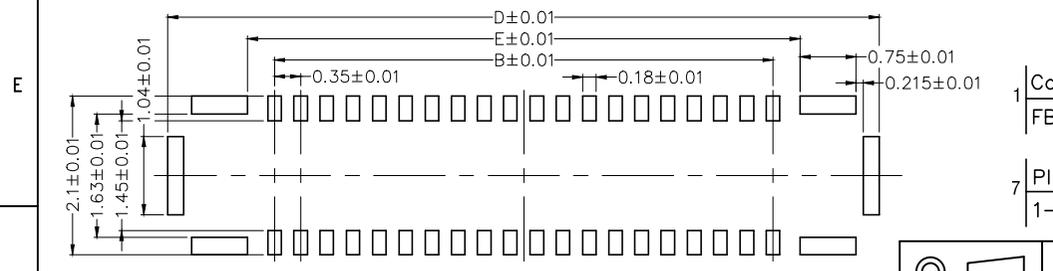
**Ordering Information**

FBB 035 02 - F XX S 1 14 3 BK M  
1 2 3 4 5 6 7 8 9 10 11

1	Category	2	Series Number	3	Distinction No.	4	Type	5	Circuits	6	Entry Angle
	FBB-Board to Board		035-Pitch 0.35mm		02		F-Female		XX		S-180° Vertical
7	Plating	8	Thickness of Plating	9	Material-Resin	10	Color-Resin	11	Packaging		
	1-Gold plated		14-0.1 $\mu$ m		3-LCP		BK-Black		M-Reel		



**Recommended P.C.Board Layout**

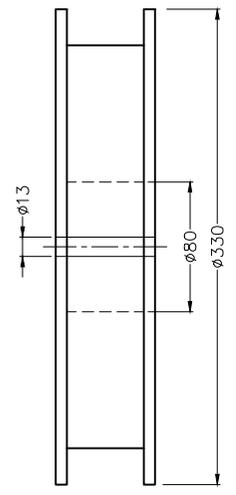
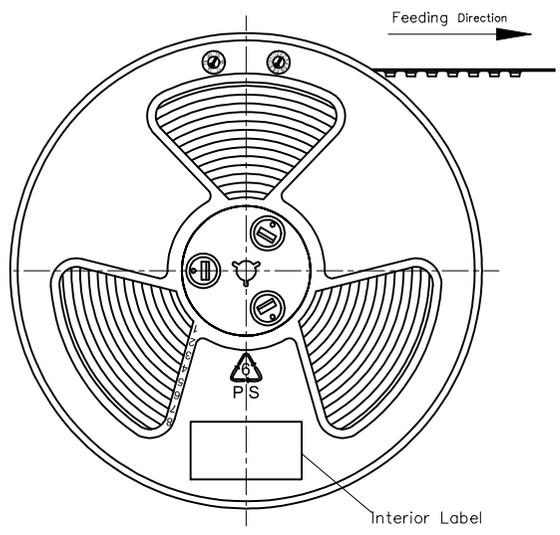


**Recommended Metal Mask Dimensions**  
(Mask Thickness: 0.08mm)

 <b>THIRD ANGLE PROJECTION</b>	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> X. $\pm$ 0.30    X.* $\pm$ 5° X.X $\pm$ 0.20    X.X* $\pm$ 2° X.XX $\pm$ 0.15    X.XX* $\pm$ 1° X.XXX $\pm$ 0.10    X.XXX* $\pm$ 0.5°		<b>APPROVE BY</b> LEO	<b>DATE</b> 08/SEP/23	<b>PART NO.</b> FBB03502-FXXS1143BKM	<b>ITEM NO.</b> FBB03502	 <b>TXGA</b> Building Technology Cornerstone
	<b>DESIGN UNITS METRIC</b>	<b>CHECKED BY</b> GISELLE	<b>DATE</b> 08/SEP/23	<b>TITLE</b> Board to Board Pitch 0.35mm 180° Vertical (SMT)		<b>REV 1</b>	
<b>SCALE</b> 5:1	<b>SIZE</b> A4	<b>DRAWN BY</b> KATE	<b>DATE</b> 08/SEP/23	<b>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</b>			

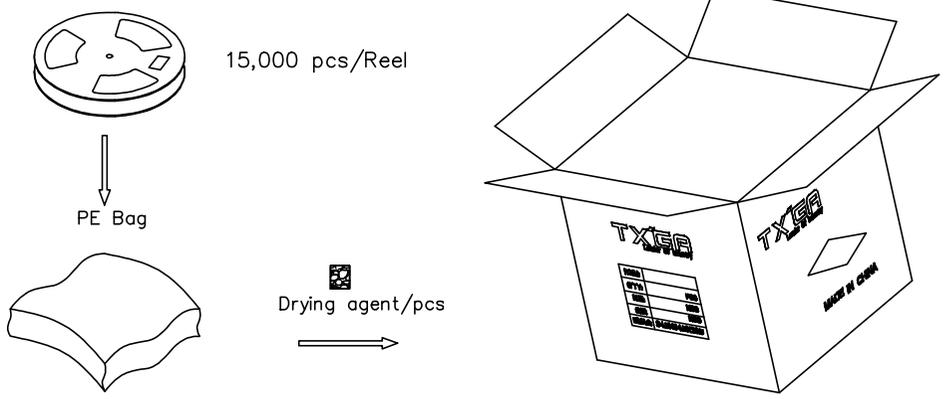
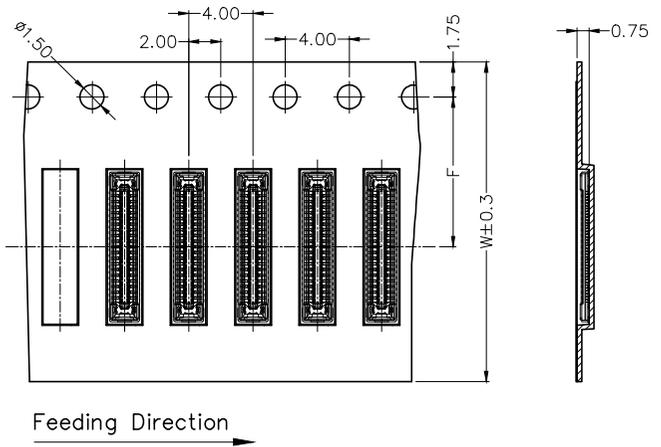
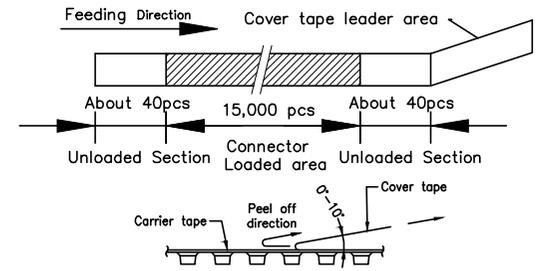
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

A  
B  
C  
D  
E  
F



- Note:
- 10 sprocket hole cumulative tolerance  $\pm 0.2$
  - Carrier camber is within 1mm in 100mm
  - Material: Transparent Conductive polystyrene Alloy 100% recyclable
  - All dimensions meet EIA-481-3 requirements
  - Component load per 13" reel: 15,000 pcs

Circuits (n)	Dimensions	
	W	F
6	12.0	5.5
10~30	16.0	7.5
32~60	24.0	11.5



 THIRD ANGLE PROJECTION DESIGN UNITS METRIC SCALE NTS SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY LEO	DATE 08/SEP/23	PART NO. FBB03502-FXXS1143BKM	ITEM NO. FBB03502	 Building Technology Cornerstone
	X. $\pm 0.30$	X.* $\pm 5^\circ$	CHECKED BY GISELLE	DATE 08/SEP/23	TITLE Board to Board Pitch 0.35mm 180° Vertical (SMT)		
	X.XX $\pm 0.15$	X.XX* $\pm 1^\circ$	DRAWN BY KATE	DATE 08/SEP/23	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	X.XXX $\pm 0.10$	X.XXX* $\pm 0.5^\circ$					