

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

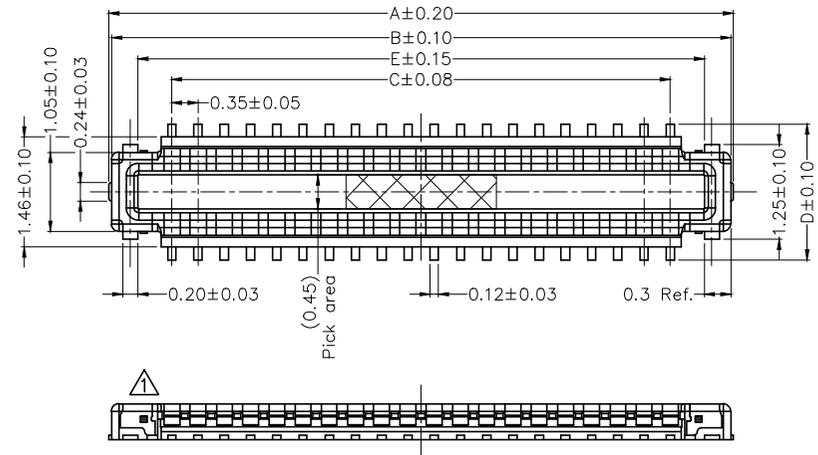
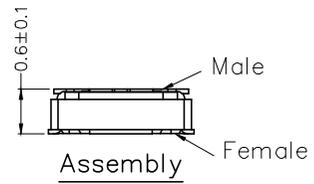
**SPECIFICATIONS**

**Electrical**

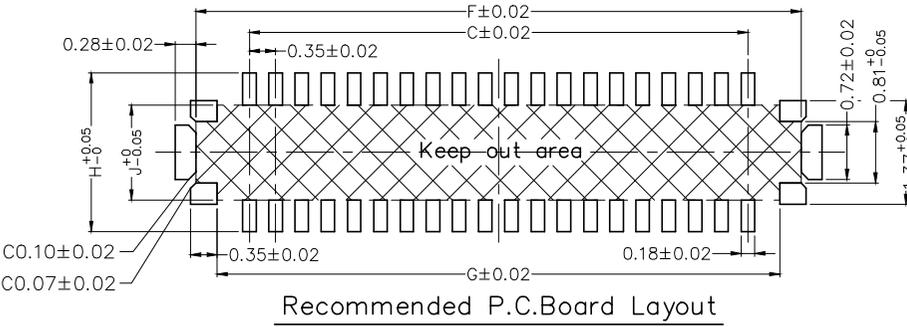
- Current Rating: 0.3A AC(rms)/DC (Signal contact)  
 $\triangle$  7A AC(rms)/DC (Power contact)
- Voltage Rating: 30V AC(rms)/DC
- Contact Resistance: 90 m $\Omega$  Max. (Signal contact)  
30 m $\Omega$  Max. (Power contact)
- Insulation Resistance: 50 M $\Omega$  Min. (Initial)
- Withstanding Voltage: 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	H	J	
6	FBB03502-M06S1143BKM	2.35	2.31	0.70	1.60	1.665	2.12	1.56	1.80	1.06	
10	FBB03502-M10S1143BKM	3.05	3.01	1.40	1.60	2.365	2.82	2.26	1.80	1.06	
16	FBB03502-M16S1143BKM	4.10	4.06	2.45	1.80	3.415	3.87	3.31	2.10	1.26	
24	FBB03502-M24S1143BKM	5.50	5.46	3.85	1.80	4.815	5.27	4.71	2.10	1.26	
30	FBB03502-M30S1143BKM	6.55	6.51	4.90	1.80	5.865	6.32	5.76	2.10	1.26	
32	FBB03502-M32S1143BKM	6.90	6.86	5.25	1.80	6.215	6.67	6.11	2.10	1.26	
34	FBB03502-M34S1143BKM	7.25	7.21	5.60	1.80	6.565	7.02	6.46	2.10	1.26	
40	FBB03502-M40S1143BKM	8.30	8.26	6.65	1.80	7.615	8.07	7.51	2.10	1.26	
48	FBB03502-M48S1143BKM	9.70	9.66	8.05	1.80	9.015	9.47	8.91	2.10	1.26	
60	FBB03502-M60S1143BKM	11.80	11.76	10.15	1.80	11.115	11.57	11.01	2.10	1.26	

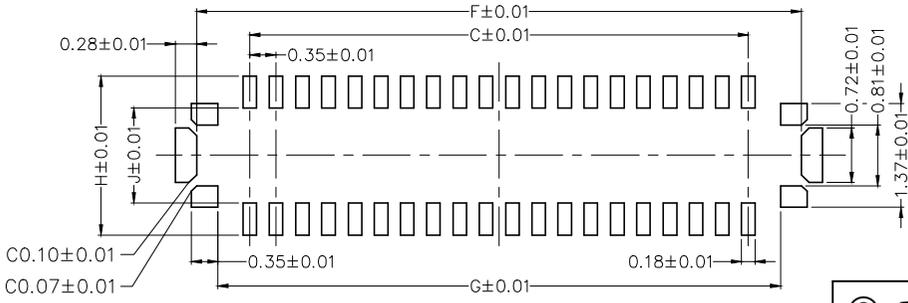


Recommended P.C.Board Layout

**Ordering Information**

FBB 035 02 — M 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	M-Male	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	

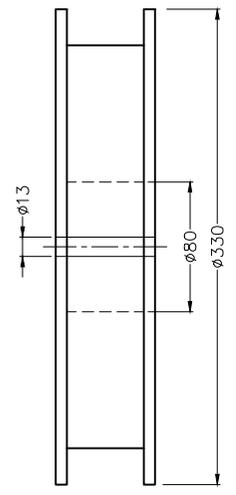
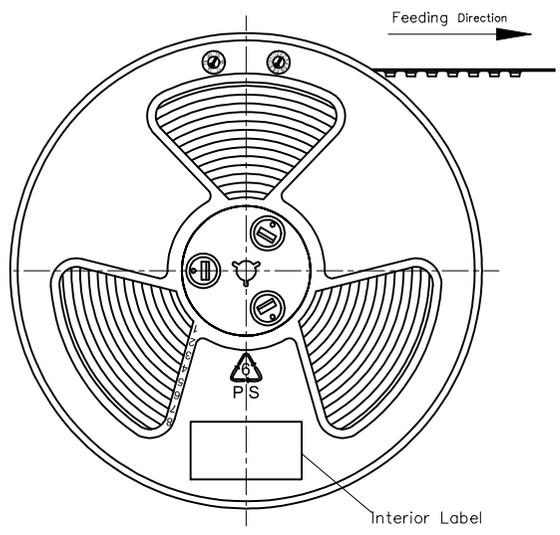


Recommended Metal Mask Dimensions  
(Mask Thickness: 0.08mm)

 <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-MXXS1143BKM	<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>			

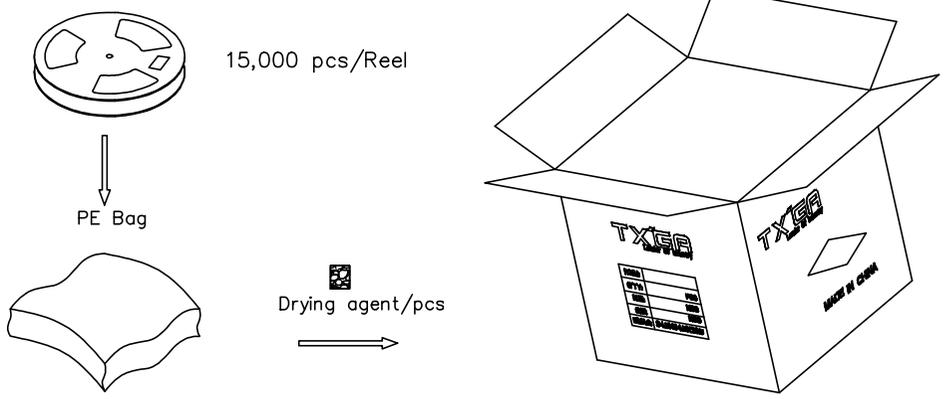
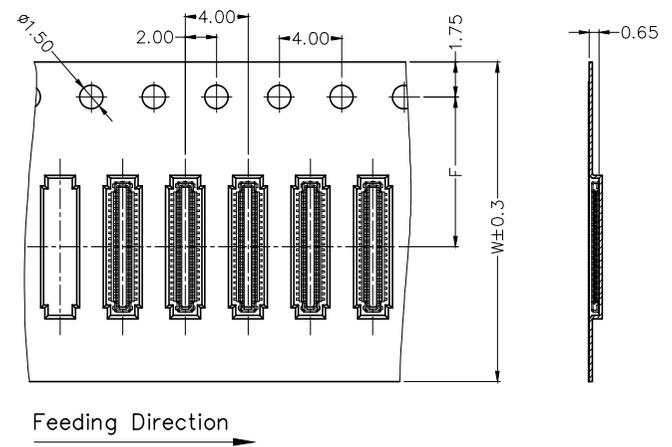
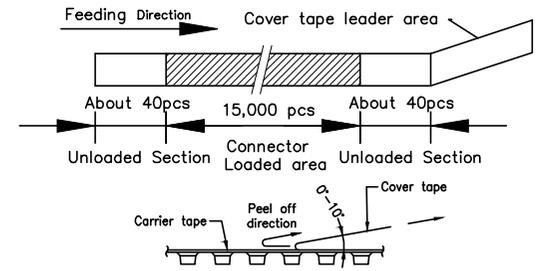
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

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



<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Building Technology Cornerstone</p>
	X. $\pm 0.30$	X.* $\pm 5^\circ$	LEO	08/SEP/23	FBB03502-MXXS1143BKM	FBB03502	
	X.X $\pm 0.20$	X.X* $\pm 2^\circ$	CHECKED BY	DATE	TITLE		
	X.XX $\pm 0.15$	X.XX* $\pm 1^\circ$	GISELLE	08/SEP/23	Board to Board Pitch 0.35mm 180° Vertical (SMT)		
SCALE	SIZE	X.XXX $\pm 0.10$	X.XXX* $\pm 0.5^\circ$	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
NTS	A4			KATE	08/SEP/23	REV 1	SHEET NO. 2/2