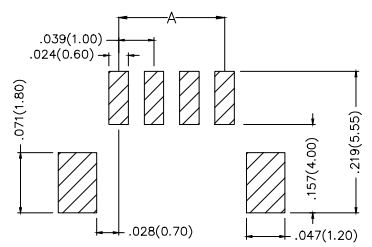
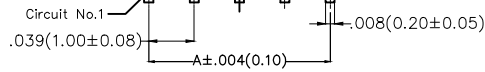
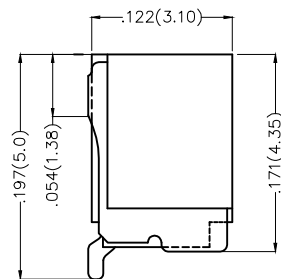
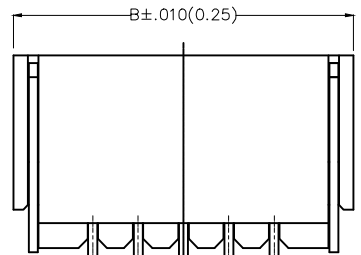
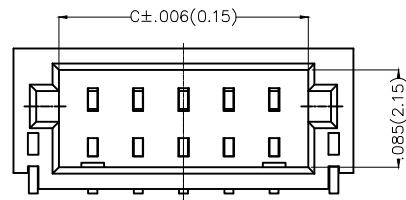


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



Recommended P.C.Board Layout


Electrical
 Current Rating: 1A AC(rms)/DC
 Voltage Rating: 50V AC(rms)/DC
 Contact Resistance: 20 mΩ Max
 Insulation Resistance: 100 MΩ MIN
 Withstanding Voltage: 500V AC r.m.s
 Temperature Range—Operating: -25°C~+85°C

Material and Plating
 Housing: PA9T(UL 94V-0)
 Contact Pin: Brass/ Tin plated
 Solder Tab: Copper alloy/ Tin plated

Ordering Information



FWF 100 01 — S XX B 2 4 W5 M
 1 2 3 4 5 6 7 8 9 10

1 Category FWF—Wafer	2 Series Number 100—Pitch 1.0mm	3 Distinction No. 01	4 Row Option Single Row	5 Circuits XX	6 Entry Angle B—90° Angle
7 Plating 2—Tin Plated	8 Material—Resin 4—PA9T	9 Color—Resin W5—White	10 Packaging M—Reel		

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FWF10001-SXXB24W5M	ITEM NO. FWF10001	 Leader Of Industry
	DESIGN UNITS Inch (metric)	X.X±.012(0.30) X.±5'	CHECKED BY JACOB	DATE 28/JUN/13	TITLE Wire to Board (Wafer) Pitch 1.0mm 90° Angle (SMT)		
SCALE 5:1	SIZE A4	X.XX±.006(0.15) .XX±1'	DRAWN BY CHERRY	DATE 28/JUN/13	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±.004(0.10) .XXX±0.5'					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

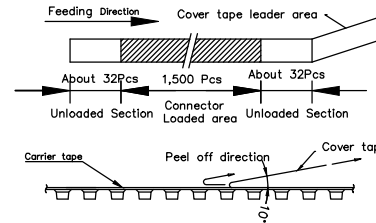
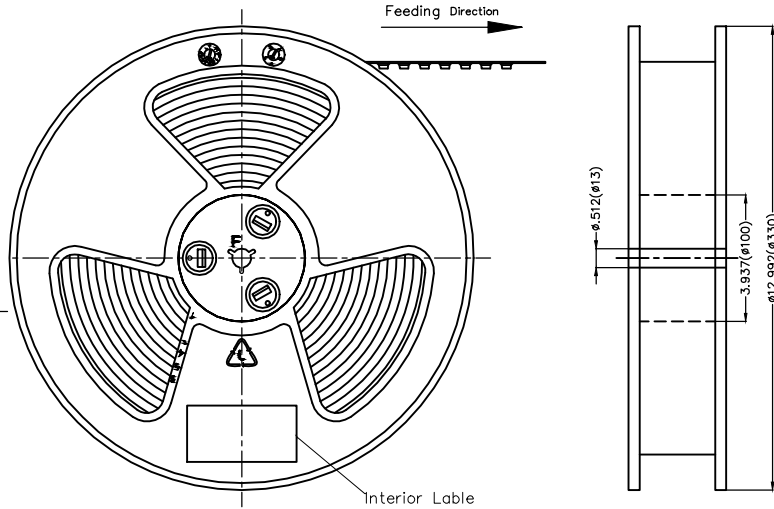
Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C			A	B	C
2	FWF10001-S02B24W5M	.039(1.00)	.177(4.50)	.102(2.60)	11	FWF10001-S11B24W5M	.394(10.00)	.531(13.50)	.457(11.60)
3	FWF10001-S03B24W5M	.078(2.00)	.217(5.50)	.142(3.60)	12	FWF10001-S12B24W5M	.433(11.00)	.571(14.50)	.496(12.60)
4	FWF10001-S04B24W5M	.118(3.00)	.256(6.50)	.181(4.60)	13	FWF10001-S13B24W5M	.472(12.00)	.610(15.50)	.535(13.60)
5	FWF10001-S05B24W5M	.157(4.00)	.295(7.50)	.220(5.60)	14	FWF10001-S14B24W5M	.512(13.00)	.650(16.50)	.575(14.60)
6	FWF10001-S06B24W5M	.197(5.00)	.335(8.50)	.260(6.60)	15	FWF10001-S15B24W5M	.551(14.00)	.689(17.50)	.614(15.60)
7	FWF10001-S07B24W5M	.236(6.00)	.374(9.50)	.299(7.60)	16	FWF10001-S16B24W5M	.591(15.00)	.728(18.50)	.654(16.60)
8	FWF10001-S08B24W5M	.276(7.00)	.413(10.50)	.339(8.60)	17	FWF10001-S17B24W5M	.630(16.00)	.768(19.50)	.693(17.60)
9	FWF10001-S09B24W5M	.315(8.00)	.453(11.50)	.378(9.60)	18	FWF10001-S18B24W5M	.669(17.00)	.807(20.50)	.732(18.60)
10	FWF10001-S10B24W5M	.354(9.00)	.492(12.50)	.417(10.60)	20	FWF10001-S20B24W5M	.748(19.00)	.886(22.50)	.811(20.60)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FWF10001-SXXB24W5M	ITEM NO. FWF10001	 Leader Of Industry
	X.±.012(0.30)	X.±5'	CHECKED BY JACOB	DATE 28/JUN/13	TITLE Wire to Board (Wafer) Pitch 1.0mm 90° Angle (SMT)		
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2"	DRAWN BY CHERRY	DATE 28/JUN/13	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±.006(0.15)	.XX'±1"				
		X.XXX±.004(0.10)	.XXX'±0.5'				

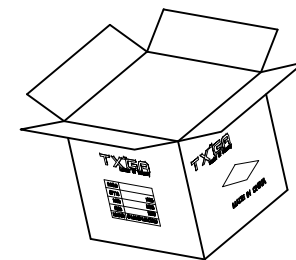
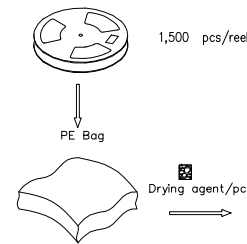
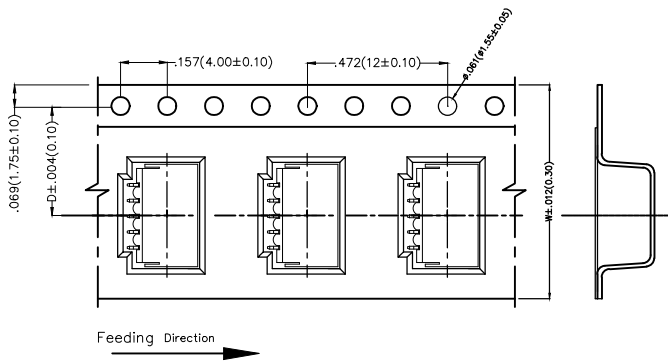
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Note:

- 10 sprocket hole cumulative tolerance ± 0.2
- Carrier camber is within 1.0mm in 250mm
- Material: White Conductive polystyrene Alloy 100% recyclable
- All dimensions meet EIA-481-3 requirements
- Peel off force of cover tape & carrier tape: 20g~130g (0.2N~1.3N)
- Component load per 13" reel: 1,500 pcs

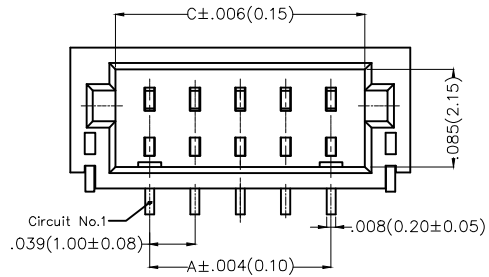


Circuits (n)	Dimensions(in/mm)		Circuits (n)	Dimensions(in/mm)	
	D	W		D	W
2	.295(7.50)	.630(16.00)	12	.453(11.50)	.945(24.00)
3	.295(7.50)	.630(16.00)	13	.453(11.50)	.945(24.00)
4	.295(7.50)	.630(16.00)	14	.453(11.50)	.945(24.00)
5	.295(7.50)	.630(16.00)	15	.453(11.50)	.945(24.00)
6	.295(7.50)	.630(16.00)	16	.453(11.50)	.945(24.00)
7	.295(7.50)	.630(16.00)	17	.798 (20.20)	1.732 (44.0)
8	.295(7.50)	.630(16.00)	18	.798 (20.20)	1.732 (44.0)
9	.295(7.50)	.630(16.00)	20	.798 (20.20)	1.732 (44.0)
10	.453(11.50)	.945(24.00)			
11	.453(11.50)	.945(24.00)			



 THIRD ANGLE PROJECTION DESIGN UNITS Inch (metric) SCALE 5:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FWF10001-SXXB24W5M	ITEM NO. FWF10001	 Leader Of Industry
	X.±.012(0.30)	X.'±5'	CHECKED BY JACOB	DATE 28/JUN/13	TITLE Wire to Board (Wafer) Pitch 1.0mm 90° Angle (SMT)		
	X.XX±.008(0.20)	.X'±2'	DRAWN BY CHERRY	DATE 28/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	X.XX±.006(0.15)	.XX'±1'					
	X.XXX±.004(0.10)	.XXX'±0.5'					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

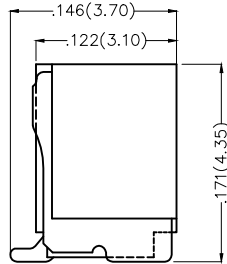
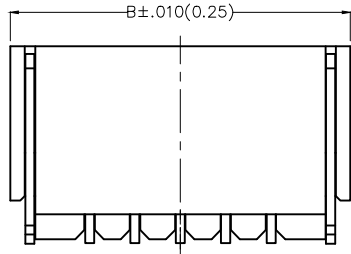


Electrical

Current Rating: 1A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 100 MΩ MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -25°C~+85°C

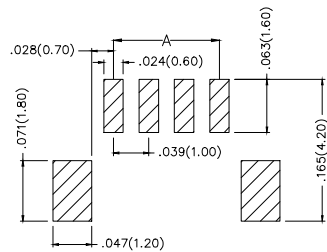
Material and Plating

Housing: PA9T(UL 94V-0)
Contact Pin: Brass/ Tin plated
Solder Tab: Copper alloy/ Tin plated



Ordering Information

FWF 100 02 — S XX S 2 4 W5 M
1 2 3 4 5 6 7 8 9 10





Recommended P.C.Board Layout

1	Category FWF—Wafer	2	Series Number 100—Pitch1.0mm	3	Distinction No. 02	4	Row Option Single Row	5	Circuits XX	6	Entry Angle S—180° Vertical
7	Plating 2—Tin Plated	8	Material—Resin 4—PA9T	9	Color—Resin W5—White	10	Packaging M—Reel				

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FWF10002—SXXS24W5M	ITEM NO. FWF10002	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.X±.012(0.30) X.'±5' X.XX±.008(0.20) .X'±2'	CHECKED BY JACOB	DATE 28/JUN/13	TITLE Wire to Board (Wafer) Pitch 1.0mm 180° Vertical (SMT)			REV 0
SCALE 5:1	SIZE A4	X.XX±.006(0.15) .XX'±1' X.XXX±.004(0.10) .XXX'±0.5'	DRAWN BY CHERRY	DATE 28/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

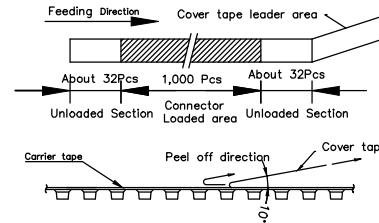
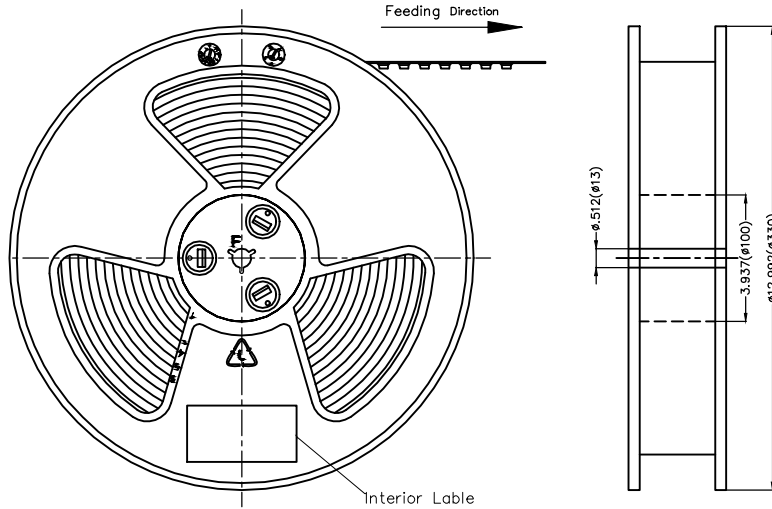
Circuits (n)	Part No.	Dimensions(in/mm)			Circuits (n)	Part No.	Dimensions(in/mm)		
		A	B	C			A	B	C
2	FWF10002-S02S24W5M	.039(1.00)	.177(4.50)	.102(2.60)	11	FWF10002-S11S24W5M	.394(10.00)	.531(13.50)	.457(11.60)
3	FWF10002-S03S24W5M	.078(2.00)	.217(5.50)	.142(3.60)	12	FWF10002-S12S24W5M	.433(11.00)	.571(14.50)	.496(12.60)
4	FWF10002-S04S24W5M	.118(3.00)	.256(6.50)	.181(4.60)	13	FWF10002-S13S24W5M	.472(12.00)	.610(15.50)	.535(13.60)
5	FWF10002-S05S24W5M	.157(4.00)	.295(7.50)	.220(5.60)	14	FWF10002-S14S24W5M	.512(13.00)	.650(16.50)	.575(14.60)
6	FWF10002-S06S24W5M	.197(5.00)	.335(8.50)	.260(6.60)	15	FWF10002-S15S24W5M	.551(14.00)	.689(17.50)	.614(15.60)
7	FWF10002-S07S24W5M	.236(6.00)	.374(9.50)	.299(7.60)	16	FWF10002-S16S24W5M	.591(15.00)	.728(18.50)	.654(16.60)
8	FWF10002-S08S24W5M	.276(7.00)	.413(10.50)	.339(8.60)	17	FWF10002-S17S24W5M	.630(16.00)	.768(19.50)	.693(17.60)
9	FWF10002-S09S24W5M	.315(8.00)	.453(11.50)	.378(9.60)	18	FWF10002-S18S24W5M	.669(17.00)	.807(20.50)	.732(18.60)
10	FWF10002-S10S24W5M	.354(9.00)	.492(12.50)	.417(10.60)	20	FWF10002-S20S24W5M	.748(19.00)	.886(22.50)	.811(20.60)

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FWF10002-SXXS24W5M	ITEM NO. FWF10002	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.±5'	CHECKED BY JACOB	DATE 28/JUN/13	TITLE Wire to Board (Wafer) Pitch 1.0mm 180° Vertical (SMT)		REV 0
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.XX±1'	DRAWN BY CHERRY	DATE 28/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

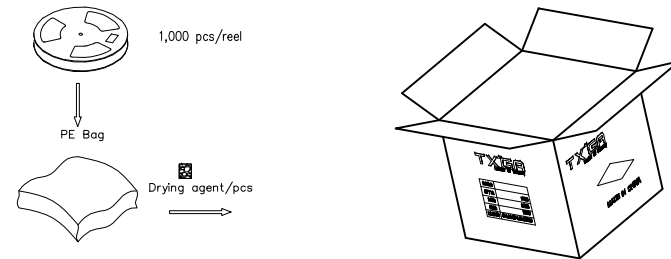
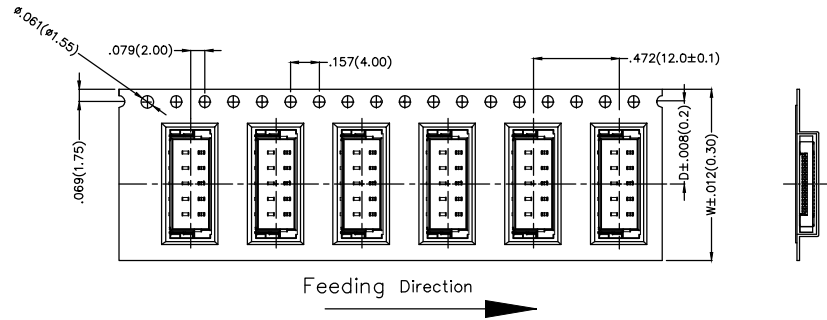
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Note:

- 10 sprocket hole cumulative tolerance ± 0.2
- Carrier camber is within 1.0mm in 250mm
- Material: White Conductive polystyrene Alloy 100% recyclable
- All dimensions meet EIA-481-3 requirements
- Peel off force of cover tape & carrier tape: 20g~130g (0.2N~1.3N)
- Component load per 13" reel: 1,000 pcs



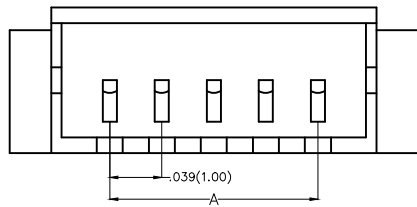
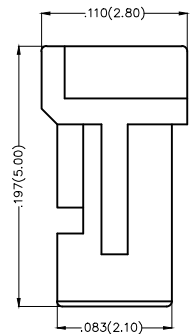
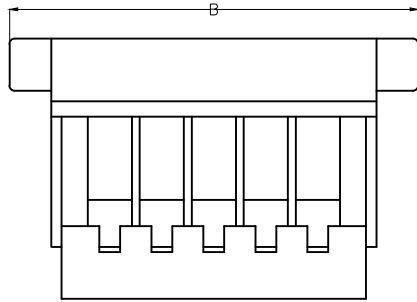
Circuits (n)	Dimensions(in/mm)		Circuits (n)	Dimensions(in/mm)	
	D	W		D	W
2	.295(7.50)	.630(16.00)	12	.453(11.50)	.945(24.00)
3	.295(7.50)	.630(16.00)	13	.453(11.50)	.945(24.00)
4	.295(7.50)	.630(16.00)	14	.453(11.50)	.945(24.00)
5	.295(7.50)	.630(16.00)	15	.453(11.50)	.945(24.00)
6	.295(7.50)	.630(16.00)	16	.453(11.50)	.945(24.00)
7	.295(7.50)	.630(16.00)	17	.798 (20.20)	1.732 (44.0)
8	.295(7.50)	.630(16.00)	18	.798 (20.20)	1.732 (44.0)
9	.295(7.50)	.630(16.00)	20	.798 (20.20)	1.732 (44.0)
10	.453(11.50)	.945(24.00)			
11	.453(11.50)	.945(24.00)			



 THIRD ANGLE PROJECTION DESIGN UNITS Inch (metric) SCALE 5:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 28/JUN/13	PART NO. FWF10002-SXXS24W5M	ITEM NO. FWF10002	 Leader Of Industry
	X.X±.012(0.30)	X.'±5'	CHECKED BY JACOB	DATE 28/JUN/13	TITLE Wire to Board (Wafer) Pitch 1.0mm 180° Vertical (SMT)		
	X.XX±.008(0.20)	.X'±2'	DRAWN BY CHERRY	DATE 28/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	X.XX±.006(0.15)	.XX'±1'					
	X.XXX±.004(0.10)	.XXX'±0.5'					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Electrical
 Temperature Range—Operating: -25°C~+85°C
 Material
 Housing: PA66(UL 94V-0)
 Applicable Terminal: FT10001
 Mates With: FWF10001,FWF10002 Series



Circuits (n)	Part No.	Dimensions(in/mm)		Circuits (n)	Part No.	Dimensions(in/mm)	
		A	B			A	B
2	FHG10001-S02M2W1B	.039(1.00)	.197(5.00)	12	FHG10001-S12M2W1B	.433(11.00)	.591(15.00)
3	FHG10001-S03M2W1B	.078(2.00)	.236(6.00)	13	FHG10001-S13M2W1B	.472(12.00)	.630(16.00)
4	FHG10001-S04M2W1B	.118(3.00)	.276(7.00)	14	FHG10001-S14M2W1B	.512(13.00)	.669(17.00)
5	FHG10001-S05M2W1B	.157(4.00)	.315(8.00)	15	FHG10001-S15M2W1B	.551(14.00)	.709(18.00)
6	FHG10001-S06M2W1B	.197(5.00)	.354(9.00)	16	FHG10001-S16M2W1B	.591(15.00)	.748(19.00)
7	FHG10001-S07M2W1B	.236(6.00)	.394(10.00)	17	FHG10001-S17M2W1B	.630(16.00)	.787(20.00)
8	FHG10001-S08M2W1B	.276(7.00)	.433(11.00)	18	FHG10001-S18M2W1B	.669(17.00)	.827(21.00)
9	FHG10001-S09M2W1B	.315(8.00)	.472(12.00)	20	FHG10001-S20M2W1B	.748(19.00)	.906(23.00)
10	FHG10001-S10M2W1B	.354(9.00)	.512(13.00)				
11	FHG10001-S11M2W1B	.394(10.00)	.551(14.00)				

Ordering Information

FHG 100 01 - S XX M 2 W1 B
 1 2 3 4 5 6 7 8 9

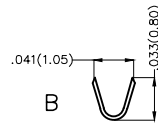
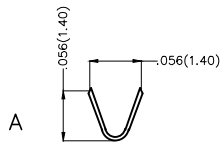
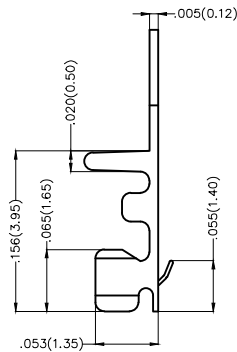
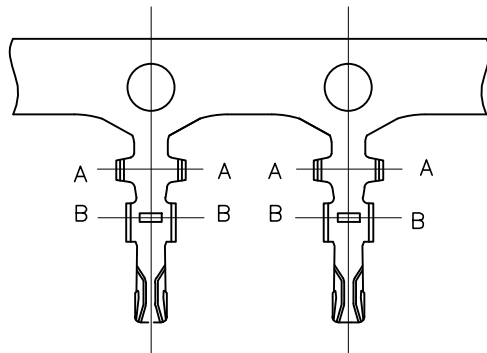
1	Category FHG—Housing	2	Series Number 100—Pitch1.0mm	3	Distinction No. 01	4	Row Option Single Row		
5	Circuits XX	6	Entry Type M—Male	7	Material—Resin 2—PA66	8	Color—Resin W1—White	9	Packaging B—PE Bag

 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 25/JUN/13	PART NO. FHG10001-SXXM2W1B	ITEM NO. FHG10001	 Leader Of Industry	
	X.±.012(0.30)	X.±5'	CHECKED BY JACOB	DATE 25/JUN/13	TITLE Wire to Board Pitch 1.0mm(Housing)			REV 0
	DESIGN UNITS Inch (metric)	X.XX±.008(0.20)	.X'±2'	DRAWN BY CHERRY	DATE 25/JUN/13	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±.006(0.15)	.XX'±1'					
		X.XXX±.004(0.10)	.XXX'±0.5'					

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

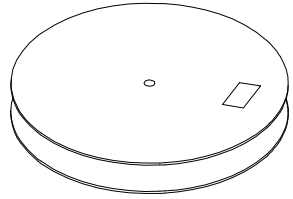
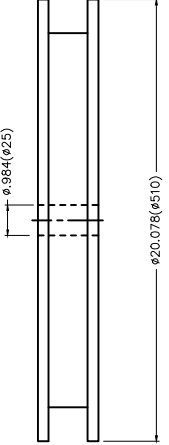
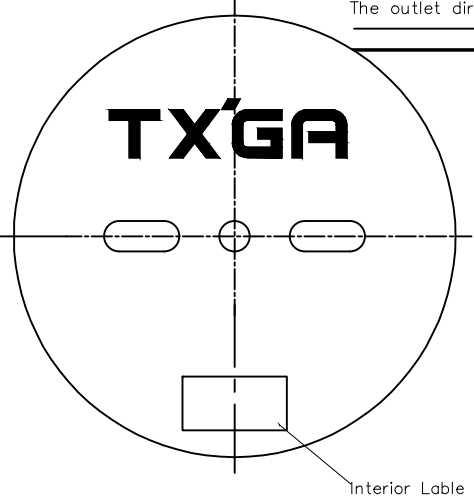
Electrical

Material: Phosphor Bronze C5191
 All Corners and Radll Have a Maximum
 Radius of 0.1mm unless Otherwise Specified
 Plating: Tin-Plated
 Wire Range: 32AWG~28AWG
 Applicable Housing: FHG10001 Series
 Minimum Order Quantity : 20,000 PCS

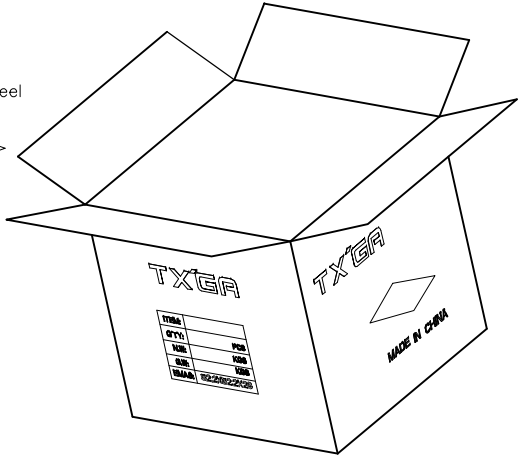


 THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 25/JUN/13	PART NO. FT10001-F2H	ITEM NO. FT10001	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20)	X.±5° .X°±2°	CHECKED BY JACOB	DATE 25/JUN/13	TITLE Wire to Board Pitch 1.0mm(Terminal)		REV 0
SCALE 5:1	SIZE A4	X.XX±.006(0.15) X.XXX±.004(0.10)	.XX°±1° .XXX°±0.5°	DRAWN BY CHERRY	DATE 25/JUN/13	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD



20,000Pcs/Reel



<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Leader Of Industry</p>
	X.±.012(0.30)	X.±5'	FRANK	25/JUN/13	FT10001-F2H	FT10001	
	X.X±.008(0.20)	.X'±2'	CHECKED BY	DATE	TITLE		REV 0
	X.XX±.006(0.15)	.XX'±1'	JACOB	25/JUN/13	Wire to Board Pitch 1.0mm(Terminal)		SHEET NO. 2/2
SCALE	SIZE	X.XXX±.004(0.10)	.XXX'±0.5'	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	
5:1	A4			CHERRY	25/JUN/13		