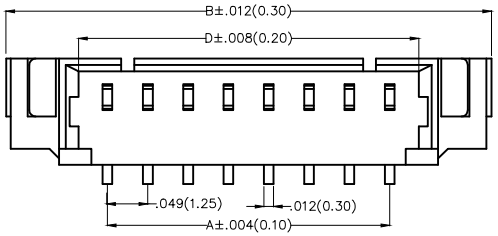
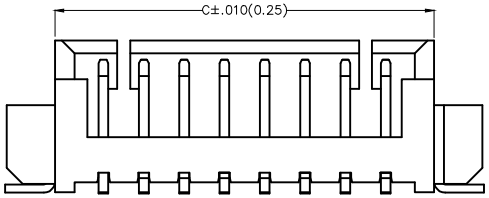
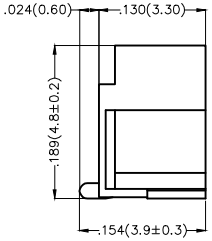
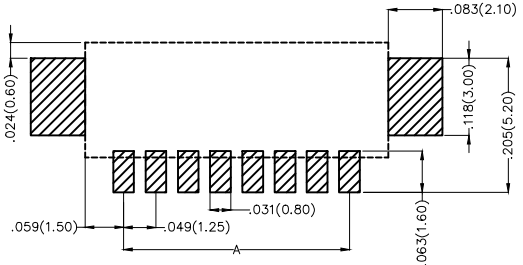
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD









Recommended P.C.Board Layout

Electrical
- Current Rating: 1.0A AC(rms)/DC
- Voltage Rating: 125V AC(rms)/DC
- Contact Resistance: 20 mΩ Max
- Insulation Resistance: 100 MΩ MIN
- Withstanding Voltage: 250V AC r.m.s
- Temperature Range–Operating: –40°C～+85°C

Material and Plating
- Housing: PA9T(UL 94V–0)
- Contact Pin: Brass
- Plating: Full tin

Ordering Information

FWF	125	05	—	S	XX	S	X	4	W5	M
1	2	3		4	5	6	7	8	9	10

1 Category	2 Series Number	3 Distinction No.	4 Row Option	5 Circuits	6 Entry Angle
FWF–Wafer	125–Pitch1.25mm	05	S–Single Row	XX	S–180° Vertical

7 Plating	8 Material–Resin	9 Color–Resin	10 Packaging
2–Tin Plated	4–PA9T	W5–Natural	M–Reel

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 8/JUL/13	PART NO. FWF12505–SXXSX4W5M / ITEM NO. FWF12505
DESIGN UNITS Inch (metric)	X.±.012(0.30)	X.°±5°	CHECKED BY JACOB	DATE 8/JUL/13	TITLE Wire to Board (Wafer) Pitch 1.25mm 180° Vertical (SMT)
	X.X±.008(0.20)	.X°±2°			
SCALE 5:1	X.XX±.006(0.15)	.XX°±1°	DRAWN BY CHERRY	DATE 8/JUL/13	REV 1 / SHEET NO. 1/3
SIZE A4	X.XXX±.004(0.10)	.XXX°±0.5°			

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REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

Circuits (n)	Part No.	Dimensions(in/mm)			
		A	B	C	D
2	FWF12505-S02S24W5M	.049(1.25)	.297(7.55)	.167(4.25)	.120(3.05)
3	FWF12505-S03S24W5M	.098(2.50)	.346(8.80)	.217(5.50)	.169(4.30)
4	FWF12505-S04S24W5M	.147(3.75)	.396(10.05)	.266(6.75)	.218(5.55)
5	FWF12505-S05S24W5M	.197(5.00)	.445(11.30)	.315(8.00)	.268(6.80)
6	FWF12505-S06S24W5M	.246(6.25)	.494(12.55)	.364(9.25)	.317(8.05)
7	FWF12505-S07S24W5M	.295(7.50)	.543(13.80)	.413(10.50)	.366(9.30)
8	FWF12505-S08S24W5M	.344(8.75)	.593(15.05)	.463(11.75)	.415(10.55)
9	FWF12505-S09S24W5M	.394(10.00)	.642(16.30)	.512(13.00)	.465(11.80)
10	FWF12505-S10S24W5M	.443(11.25)	.691(17.55)	.561(14.25)	.514(13.05)
11	FWF12505-S11S24W5M	.492(12.50)	.740(18.80)	.610(15.50)	.563(14.30)
12	FWF12505-S12S24W5M	.541(13.75)	.789(20.05)	.659(16.75)	.612(15.55)
13	FWF12505-S13S24W5M	.591(15.00)	.839(21.30)	.709(18.00)	.661(16.80)
14	FWF12505-S14S24W5M	.640(16.25)	.888(22.55)	.758(19.25)	.711(18.05)
15	FWF12505-S15S24W5M	.689(17.50)	.937(23.80)	.807(20.50)	.760(19.30)

THIRD ANGLE PROJECTION

DESIGN UNITS Inch (metric)

SCALE 5:1 | SIZE A4

GENERAL TOLERANCES (UNLESS SPECIFIED)

X.±.012(0.30)	X.°±5°
X.X±.008(0.20)	.X°±2°
X.XX±.006(0.15)	.XX°±1°
X.XXX±.004(0.10)	.XXX°±0.5°

APPROVE BY	FRANK	DATE 8/JUL/13
CHECKED BY	JACOB	DATE 8/JUL/13
DRAWN BY	CHERRY	DATE 8/JUL/13

PART NO. FWF12505-SXXSX4W5M

ITEM NO. FWF12505

TXGA Leader Of Industry

TITLE
Wire to Board (Wafer)
Pitch 1.25mm 180° Vertical (SMT)

REV 1

SHEET NO. 2/3

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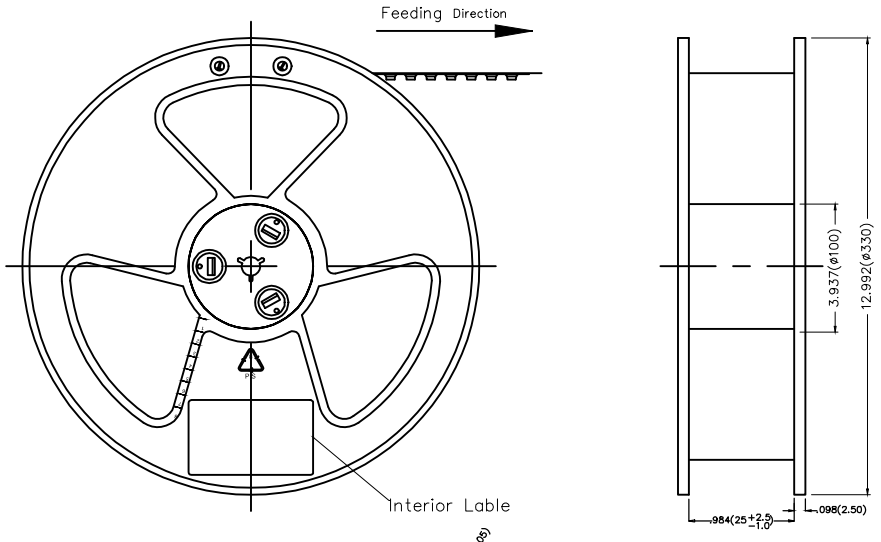
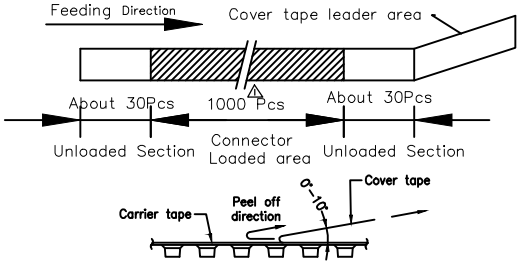
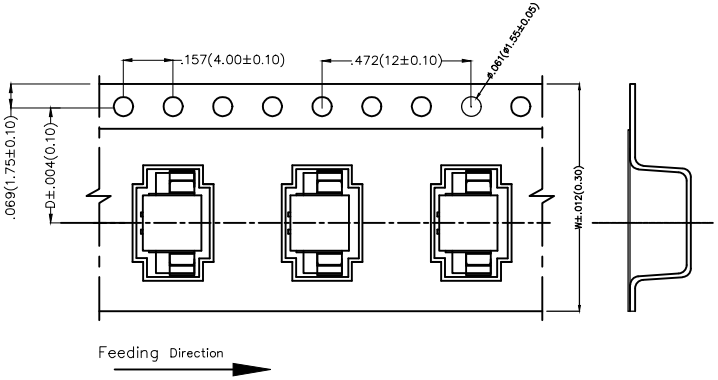
REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	⚠	MPQ 1500PCS/Reel Change to 1000Pcs/Reel	20150811	CHERRY	JACOB

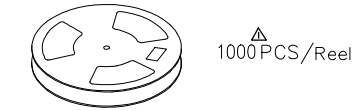


Note:
1. 10 sprocket hole cumulative tolerance±0.2
2. Carrier camber is within 1.0mm in 100mm
3. Materiat: White Conductive polystyrene Alloy 100% recyclable
4. All dimensions meet EIA-481-3 requirements
5. Component load per 13" reel: 1000 pcs ⚠



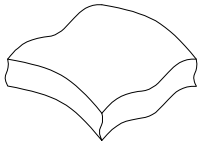


Circuits (n)	Dimensions(in/mm)		Circuits (n)	Dimensions(in/mm)	
	D	W		D	W
2	.295(7.50)	.630(16.00)	10	.559(14.20)	1.260(32.00)
3	.295(7.50)	.630(16.00)	11	.559(14.20)	1.260(32.00)
4	.453(11.50)	.945(24.00)	12	.559(14.20)	1.260(32.00)
5	.453(11.50)	.945(24.00)	13	.795(20.20)	1.732(44.00)
6	.453(11.50)	.945(24.00)	14	.795(20.20)	1.732(44.00)
7	.559(14.20)	1.260(32.00)	15	.795(20.20)	1.732(44.00)
8	.559(14.20)	1.260(32.00)			
9	.559(14.20)	1.260(32.00)			

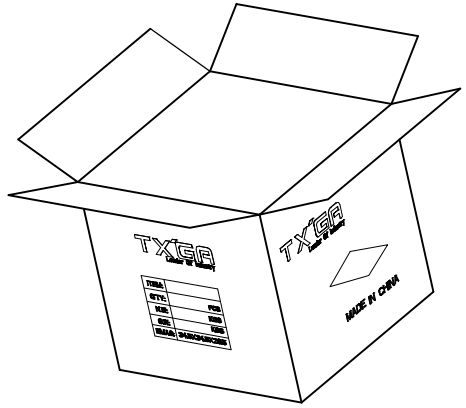


⚠ 1000PCS/Reel

PE Bag



Drying agent/pcs



THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 8/JUL/13	PART NO. FWF12505-SXXSX4W5M / ITEM NO. FWF12505
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	X.X±.008(0.20)	.X°±2°			
SCALE 5:1 / SIZE A4	X.XX±.006(0.15)	.XX°±1°	DRAWN BY CHERRY	DATE 8/JUL/13	REV 1 / SHEET NO. 3/3
	X.XXX±.004(0.10)	.XXX°±0.5°			

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