

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
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SPECIFICATION:

Electrical

Voltage Rating: 60V AC/DC
 Rated Current: Signal Contact 0.3 AMPS/Pin
 Power Contact 15 AMPS (All power pins)

Contact Resistance:

Signalpin: Initial 50mΩ MAX
 After Test Δ 20mΩ
 Power pin: Initial 15mΩ MAX
 After Test 15mΩ MAX

Insulation Resistance:

Initial: 500 MΩ Minimum.
 After Test: 500 MΩ Minimum.

Dielectric Withstanding Voltage:

No breakdown at AC 100V for 1 minute

Salt Water Spray Test: Temperature 35°C±2°C
 Density of Salt Density 5±1%
 Duration 48±2 hours

Operating Temperature Range: -40 °C ~ +85°C

Storage Temperature Range: -40°C ~ +85°C,
 0 ~ 90 % RH (Relative humidity).

Mating/Unmating Force: Mating Force 30N MAX
 Unmating Force 3N MIN

Material and Plating

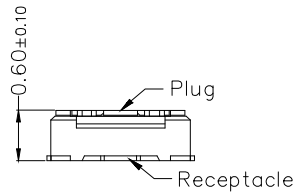
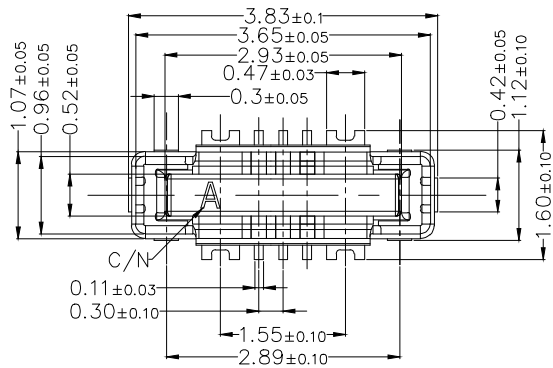
Housing: LCP(UL 94V-0), Black

Contact: Copper Alloy,

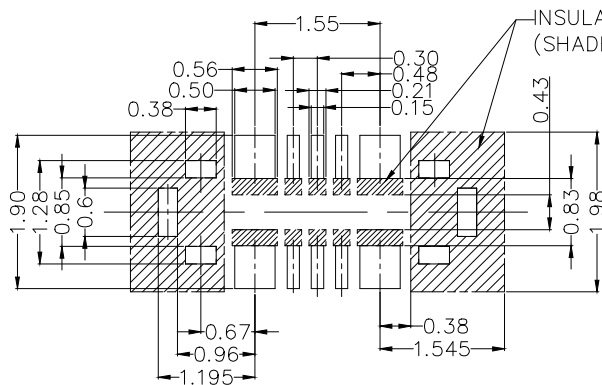
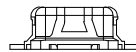
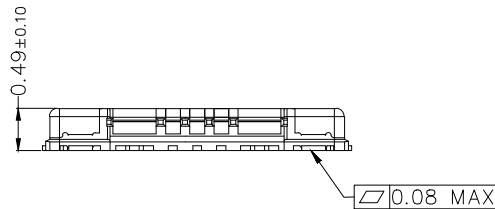
Overall: 50μ" MIN NI plated

Contact Areas: 4μ" MIN gold plated

Non-contact Areas: 1μ" MIN gold plated

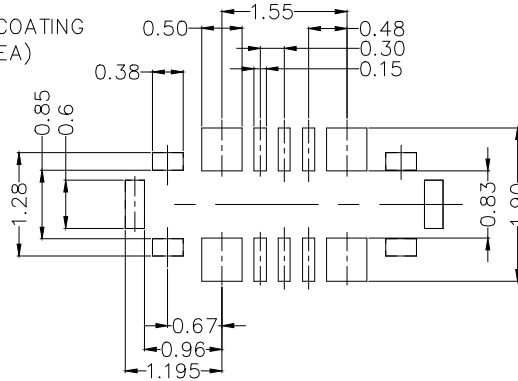


Mating Height



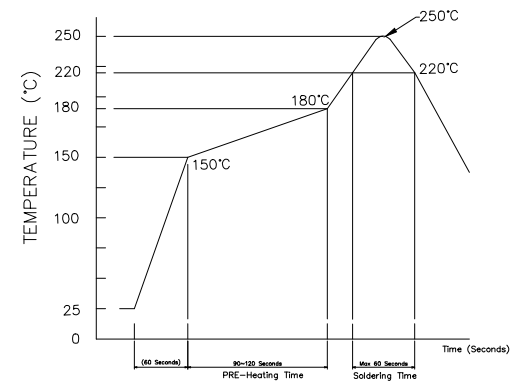
Recommended P.C.B Layout

Tolerance ±0.03mm



Recommended Metal Dimensions

(Thickness: 0.08 mm) Tolerance ±0.01mm

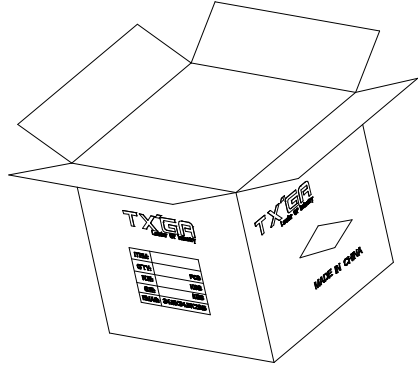
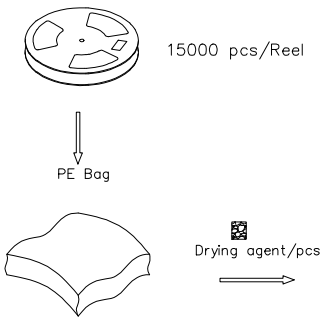
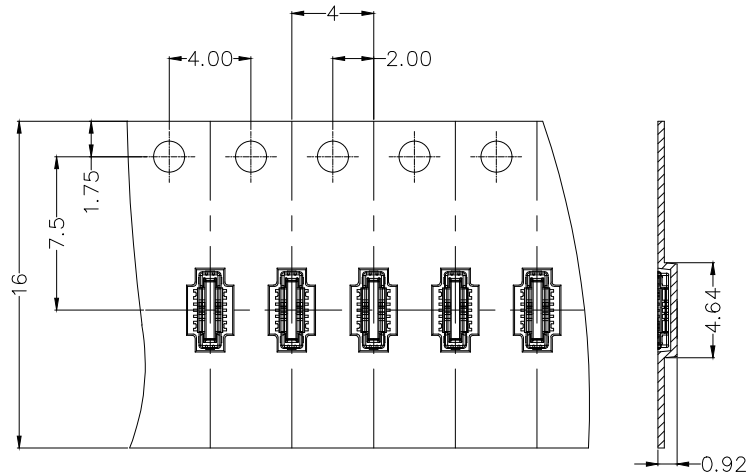
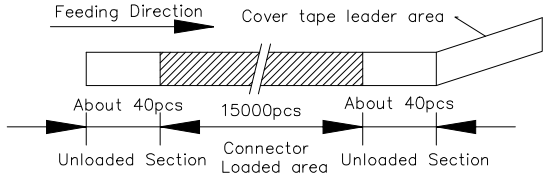
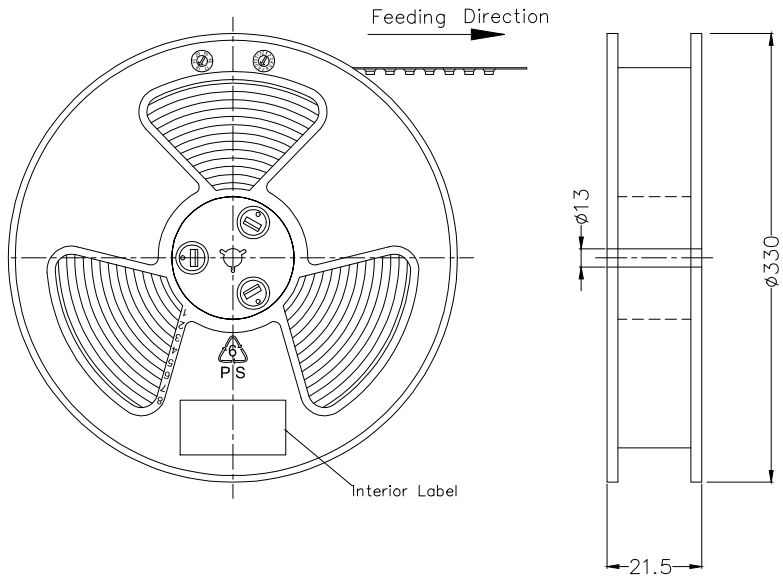


RECOMMENDED REFLOW TEMPERATURE PROFILE
 USIN LEAD-FREE SOLDER PASTE

 THIRD ANGLE PROJECTION DESIGN UNITS mm SCALE 5:1 SIZE A4	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	 Building Technology Cornerstone	
	X. ±0.30	X.' ±5'	LEO	30/JAN/23	FBB03003-M06S1143BKM	FBB03003		
	X.X ±0.20	X.X' ±2'	CHECKED BY	DATE	TITLE	Board to Board 6+6 Circuits Pitch 0.30mm 180° Vertical (SMT)		
	X.XX ±0.15	X.XX' ±1'	GISELLE	30/JAN/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 ±0.10	X.XXX' ±0.5'	DRAWN BY	DATE			REV 0	SHEET NO. 1/2
			PYD	30/JAN/23				

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- Note:
 1.10 sprocket hole cumulative tolerance±0.2
 2.Carrier camber is within 1.0mm in 250mm
 3.Material: White conductive polystyrene Alloy 100% recyclable
 4.All dimensions meet EIA-481-3 requirements
 5.Peel off force of cover tape & carrier tape: 20g~130g (0.2N~1.3N)
 6.Component load per 13" reel: See table



Feeding Direction →

<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Building Technology Cornerstone</p>
	X. ±0.30	X.* ±5'	LEO	30/JAN/23	FBB03003-M06S1143BKM	FBB03003	
	DESIGN UNITS mm		CHECKED BY	DATE	TITLE		
	X.X ±0.20	X.X' ±2'	GISELLE	30/JAN/23	Board to Board 6+6 Circuits Pitch 0.30mm 180° Vertical (SMT)		
SCALE 5:1	SIZE A4	X.XX ±0.15	X.XX' ±1'	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	
X.XXX ±0.10	X.XXX' ±0.5'	PYD	30/JAN/23			REV 0	SHEET NO. 2/2