

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1		Add the "TXGA" logo	11/JUL/18	KATE	ANDY
2		Structural and size changes	19/JUL/21	KATE	CHERRY
3		Structural and size changes	26/AUG/21	KATE	CHERRY

SPECIFICATION

Electrical

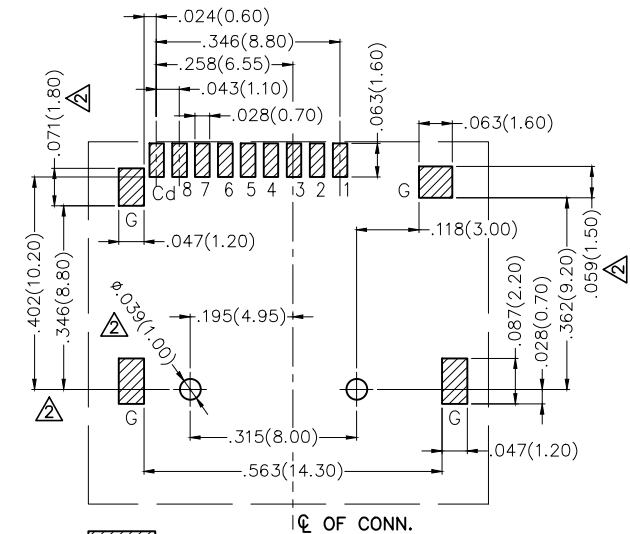
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 100V AC(rms)/DC
Contact Resistance: 100 m Ω Max
Insulation Resistance: 500 M Ω MIN
Withstanding Voltage: 500V AC r.m.s
Temperature Range—Operating: -25°C~+85°C

Mechanical

Durability: 5,000 Times
Insertion and Extraction force: 0.1~4.0 kgf

Material and Plating

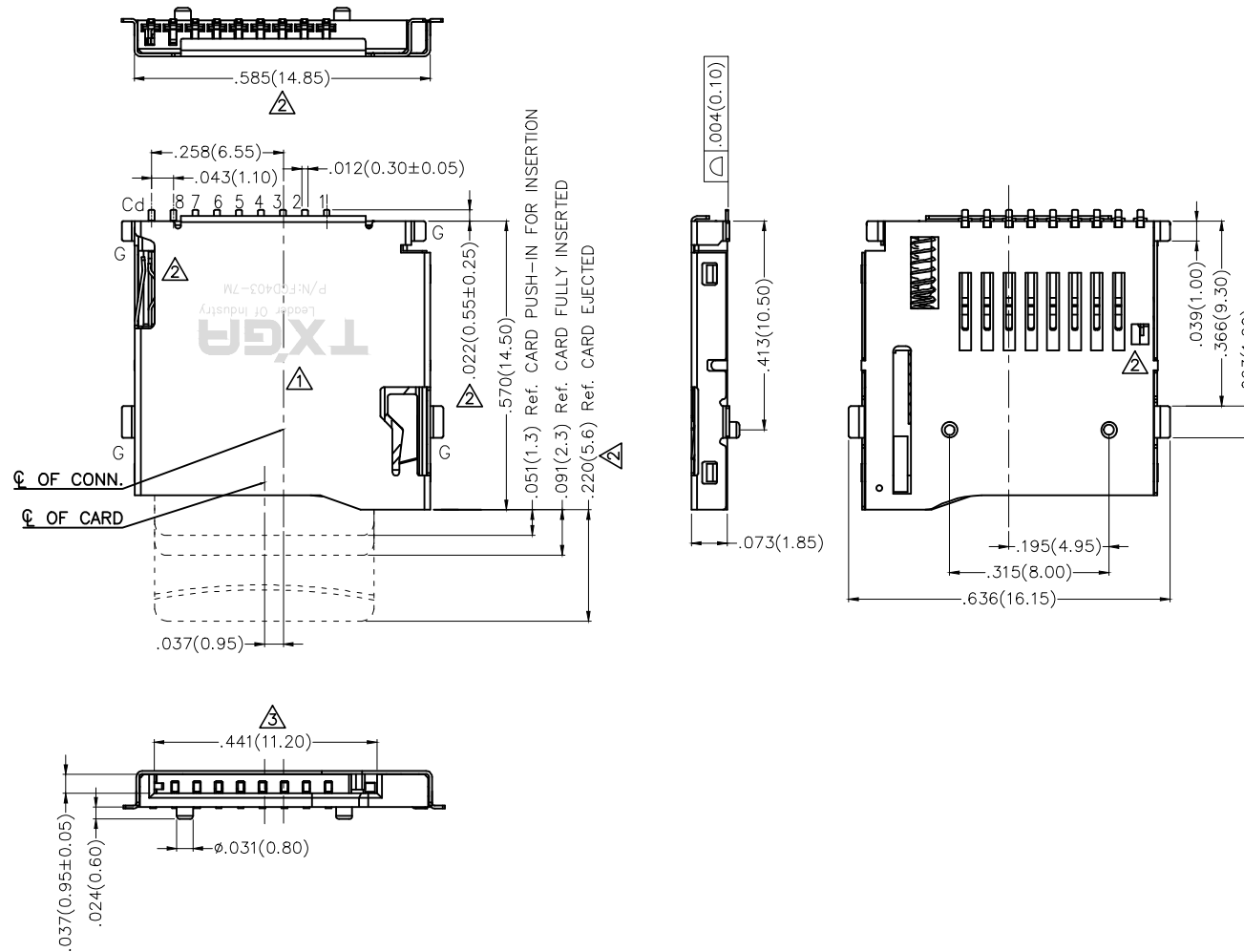
Housing: High Temperature Plastic (UL 94V-0) ,Black
Contact Pin: Copper alloy/ Gold Plated
Shell: Stainless/ Gold plated on solder area, Nickel plated over all
Spring: SWP



PAD AREA

Recommended P.C.Board Layout

Tolerances: $\pm 0.002(0.05)$



Pin No.	Pin assignment	Pin No.	Pin assignment
1	DAT2	5	CLK
2	CD/DAT3	6	VSS
3	CMD	7	DAT0
4	VDD	8	DAT1
Cd	CARD DETECTION	G	GROUND

CARD DETECTION SWITCH	
WHEN CARD IS EJECTED	WHEN CARD IS INSERTED
OPEN	CLOSE

THIRD ANGLE PROJECTION	
DESIGN UNITS	SIZE
Inch (metric)	A4
SCALE	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)	
X $\pm 0.12(0.30)$	X $\pm 5^\circ$
X.X $\pm 0.08(0.20)$	X $\pm 2^\circ$
X.XX $\pm 0.06(0.15)$	XX $\pm 1^\circ$
X.XXX $\pm 0.04(0.10)$	XXX $\pm 0.5^\circ$

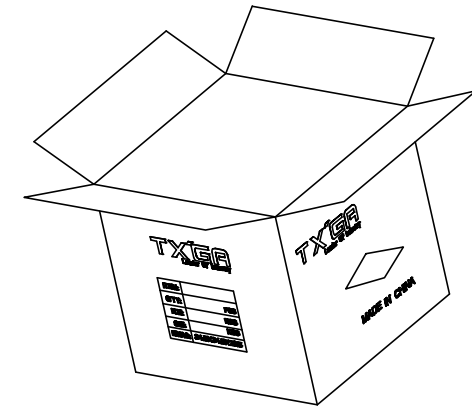
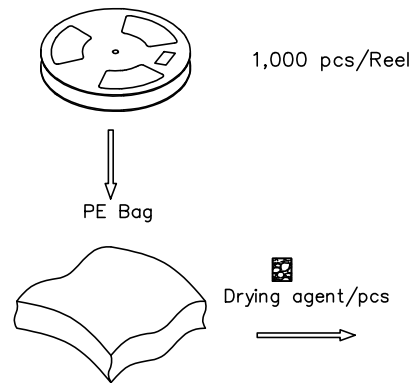
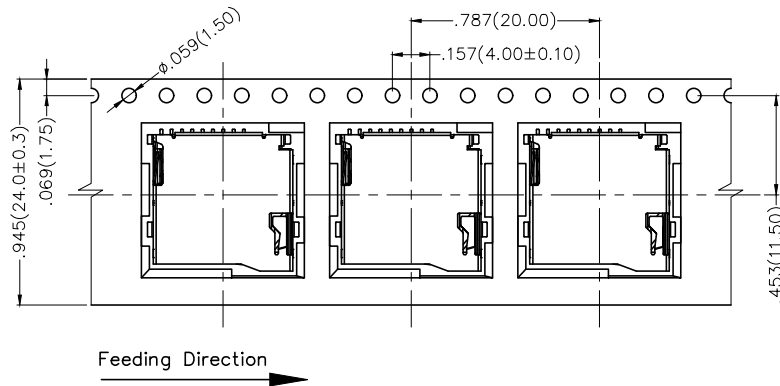
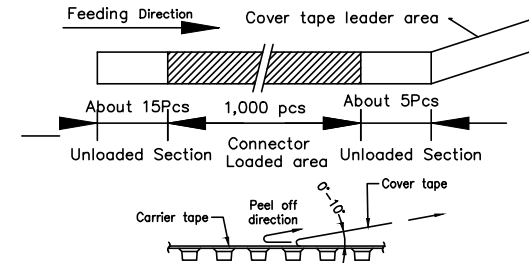
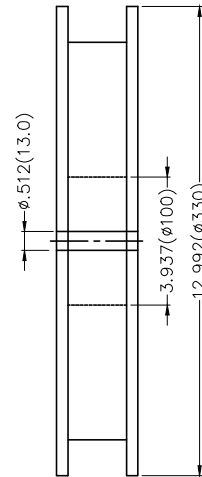
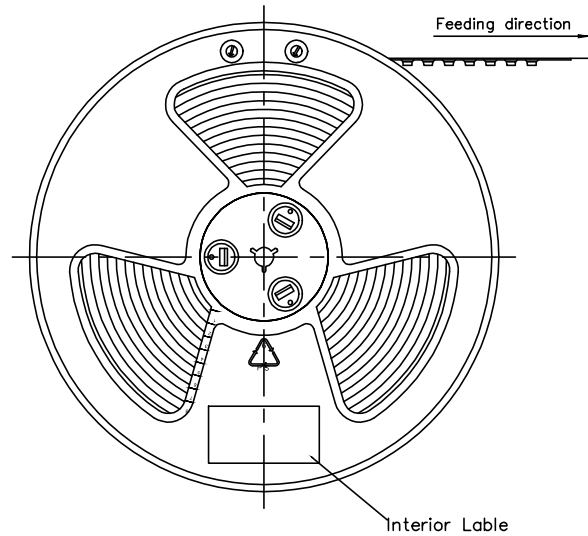
APPROVE BY	DATE
FRANK	31/JUL/13
CHECKED BY	DATE
CHERRY	31/JUL/13
DRAWN BY	DATE
JACOB	31/JUL/13

PART NO.	ITEM NO.
FCD403-7M	FCD403
TITLE	
Mirco SD card connector (Push to Push)	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

TXGA	
Leader Of Industry	
REV 3	SHEET NO. 1/2

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

- Note:
- 10 sprocket hole cumulative tolerance $\pm 0.008(0.2)$
 - Carrier camber is within 1.0mm in 100mm
 - Material: Clear Conductive polystyrene Alloy 100% recyclable
 - All dimensions meet EIA-481-3 requirements
 - Component load per 13" reel: 1,000pcs



 THIRD ANGLE PROJECTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 31/JUL/13	PART NO. FCD403-7M	ITEM NO. FCD403	 Leader Of Industry	
		X.±.012(0.30)	X.±5°	CHECKED BY	DATE	TITLE			
DESIGN UNITS Inch (metric)		X.X±.008(0.20)	X.±2°	CHERRY	31/JUL/13	Mirco SD card connector (Push to Push)		REV 3	SHEET NO. 2/2
SCALE 5:1	SIZE A4	X.XX±.006(0.15)	.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±.004(0.10)	.XXX'±0.5°	JACOB	31/JUL/13				