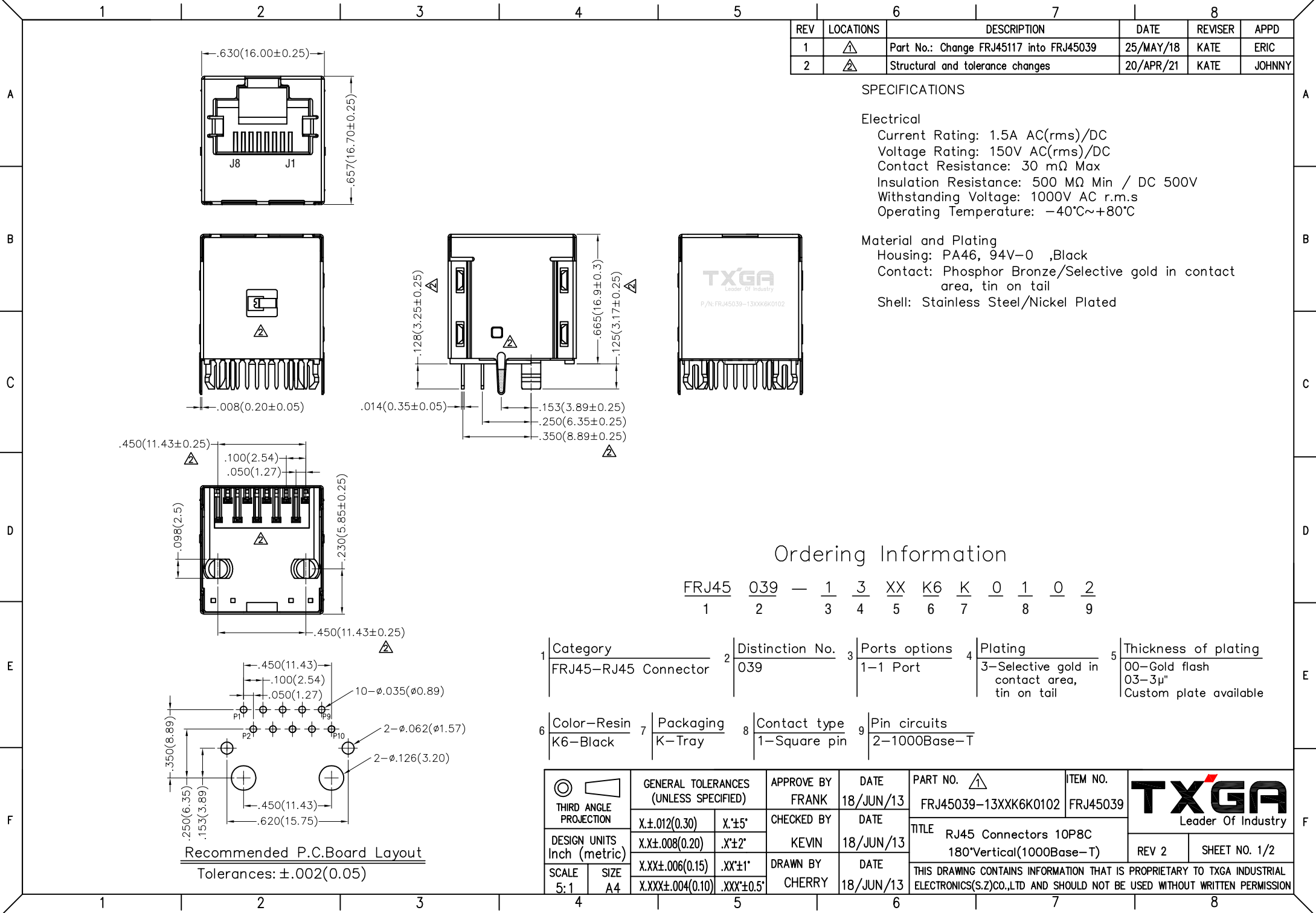


REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Part No.: Change FRJ45117 into FRJ45039	25/MAY/18	KATE	ERIC
2	△	Structural and tolerance changes	20/APR/21	KATE	JOHNNY

SPECIFICATIONS

Electrical  
 Current Rating: 1.5A AC(rms)/DC  
 Voltage Rating: 150V AC(rms)/DC  
 Contact Resistance: 30 mΩ Max  
 Insulation Resistance: 500 MΩ Min / DC 500V  
 Withstanding Voltage: 1000V AC r.m.s  
 Operating Temperature: -40°C~+80°C

Material and Plating  
 Housing: PA46, 94V-0 ,Black  
 Contact: Phosphor Bronze/Selective gold in contact area, tin on tail  
 Shell: Stainless Steel/Nickel Plated




Ordering Information

FRJ45 039 — 1 3 XX K6 K 0 1 0 2  
 1 2 3 4 5 6 7 8 9

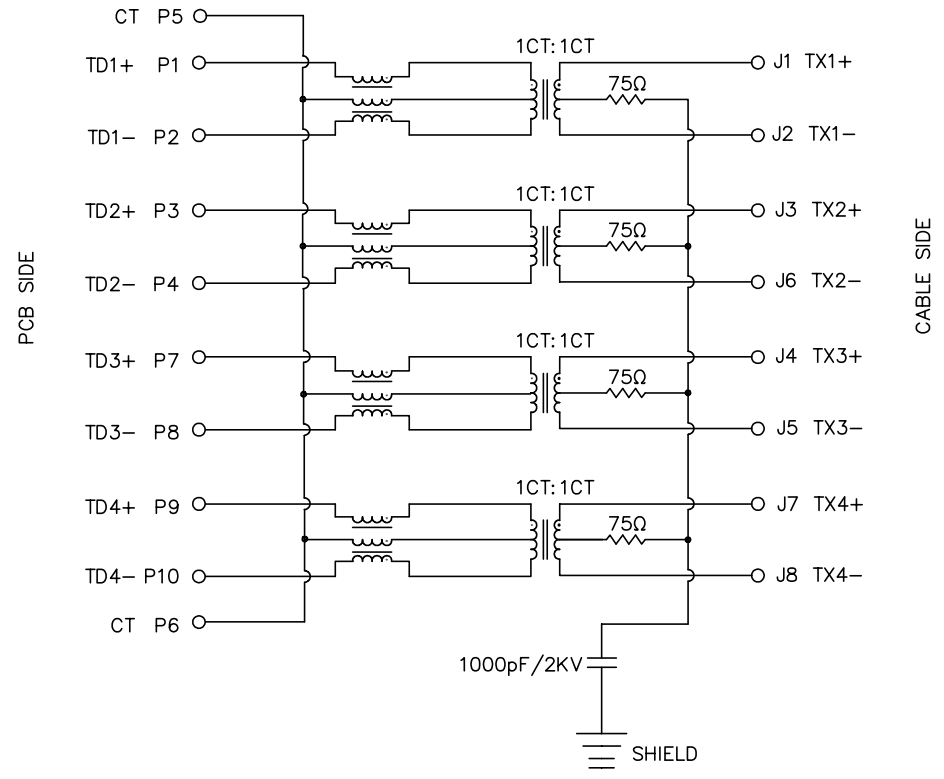
- 1 Category: FRJ45-RJ45 Connector
- 2 Distinction No.: 039
- 3 Ports options: 1-1 Port
- 4 Plating: 3-Selective gold in contact area, tin on tail
- 5 Thickness of plating: 00-Gold flash, 03-3μ", Custom plate available
- 6 Color-Resin: K6-Black
- 7 Packaging: K-Tray
- 8 Contact type: 1-Square pin
- 9 Pin circuits: 2-1000Base-T

Recommended P.C.Board Layout  
 Tolerances: ±.002(0.05)

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO. △	ITEM NO.	 Leader Of Industry
	X.±.012(0.30)	X.±5'	FRANK	18/JUN/13	FRJ45039-13XXK6K0102	FRJ45039	
DESIGN UNITS Inch (metric)	X.X±.008(0.20)	.X'±2"	CHECKED BY	DATE	TITLE		REV 2
SCALE	X.XX±.006(0.15)	.XX'±1"	KEVIN	18/JUN/13	RJ45 Connectors 10P8C 180°Vertical(1000Base-T)		SHEET NO. 1/2
5:1	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		
SIZE A4			CHERRY	18/JUN/13			

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD

SCHEMATIC



Electrical Specifications @ 25°C					
Turns Ratio(±2%)		OCL(uH Min) @100KHz/0.1V		Insertion Loss (dB Max)	HI-Pot (V rms)
TX	RX	With 8mA DC Bias		0.3-100MHz	2250 DC
1CT:1CT	1CT:1CT	350		-1.0	
Retrun Loss (dB Min)				Cross talk (dB Min)	CMR (dB Min)
1-30MHz	30-60MHz	60-80MHz	80-100MHz	1-100MHz	1-100MHz
-18	-16	-12	-10	-30	-30

<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	18/JUN/13	FRJ45039-13XXK6K0102	FRJ45039		
	X.X±.008(0.20) .X'±2"		CHECKED BY	DATE	TITLE RJ45 Connectors 10P8C 180°Vertical(1000Base-T)			REV 2 SHEET NO. 2/2
	X.XX±.006(0.15) .XX'±1"		KEVIN	18/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	SIZE	X.XXX±.004(0.10) .XXX'±0.5'	DRAWN BY	DATE				
5:1	A4		CHERRY	18/JUN/13				