



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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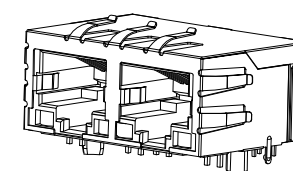
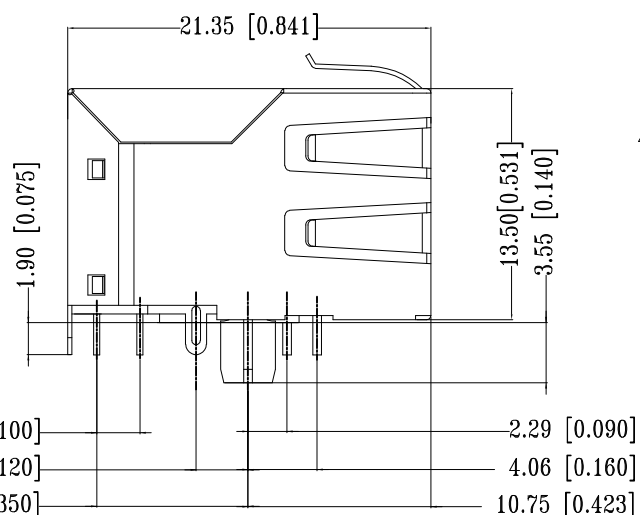
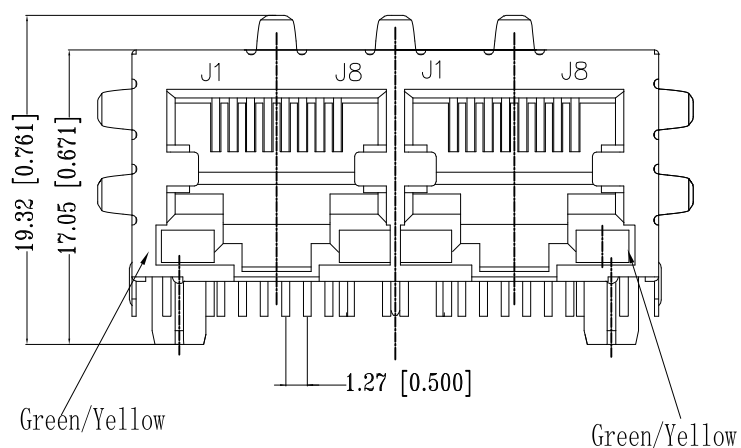
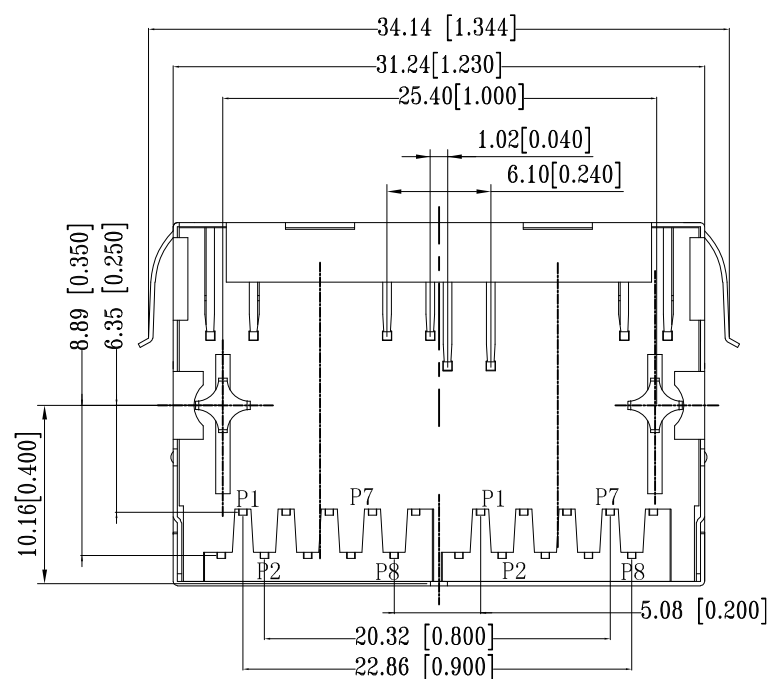
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



REVISIONS

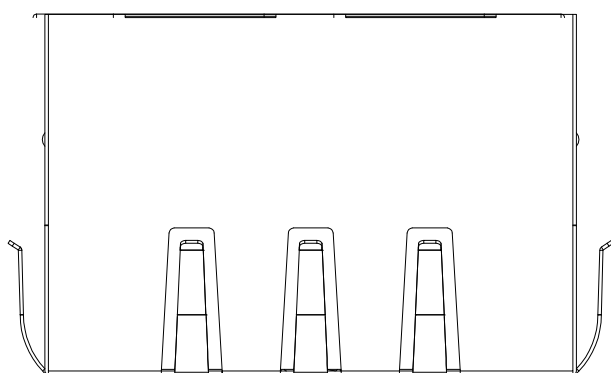
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	NEW RELEASE	09MAR2017	GCM	MSZ



1:1

- △ CONNECTOR MATERIAL:  
HOUSING: LCP BLACK UL94 V-0  
INSERT: LCP BLACK UL94 V-0  
SHIELD: BRASS  
SHIELD PLATING: NICKEL  
CONTACT: COPPER ALLOY  
CONTACT PLATING: SELECTIVE GOLD, MIN. 0.76µm (30µinch) IN CONTACT AREA  
OVER MIN. 1.27µm (50µinch) NICKEL  
SOLDER PIN PLATING: 3.05µm (120µinch) TIN OVER 1.02µm (40µinch) NICKEL  
OVER ALL  
SHIELDING PIN PLATING: NICKEL
- 2 PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL CIRCUIT DIAGRAM FOR OMITTED PINS
- 3 RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68
- 4 THE PART IS RECOMMENDED FOR REFLOW SOLDERING PROCESS PEAK SOLDERING: TEMPERATURE MAX. +260° C, MAX. 10s
- 5 OPERATING TEMPERATURE: T= -40° C TO +85° C
- 6 STORAGE TEMPERATURE: T= -40° C TO +85° C
- △ UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- 8 JACK CONFIGURATION: 1 x 2  
TAB DIRECTION: DOWN
- 9 PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18116

TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

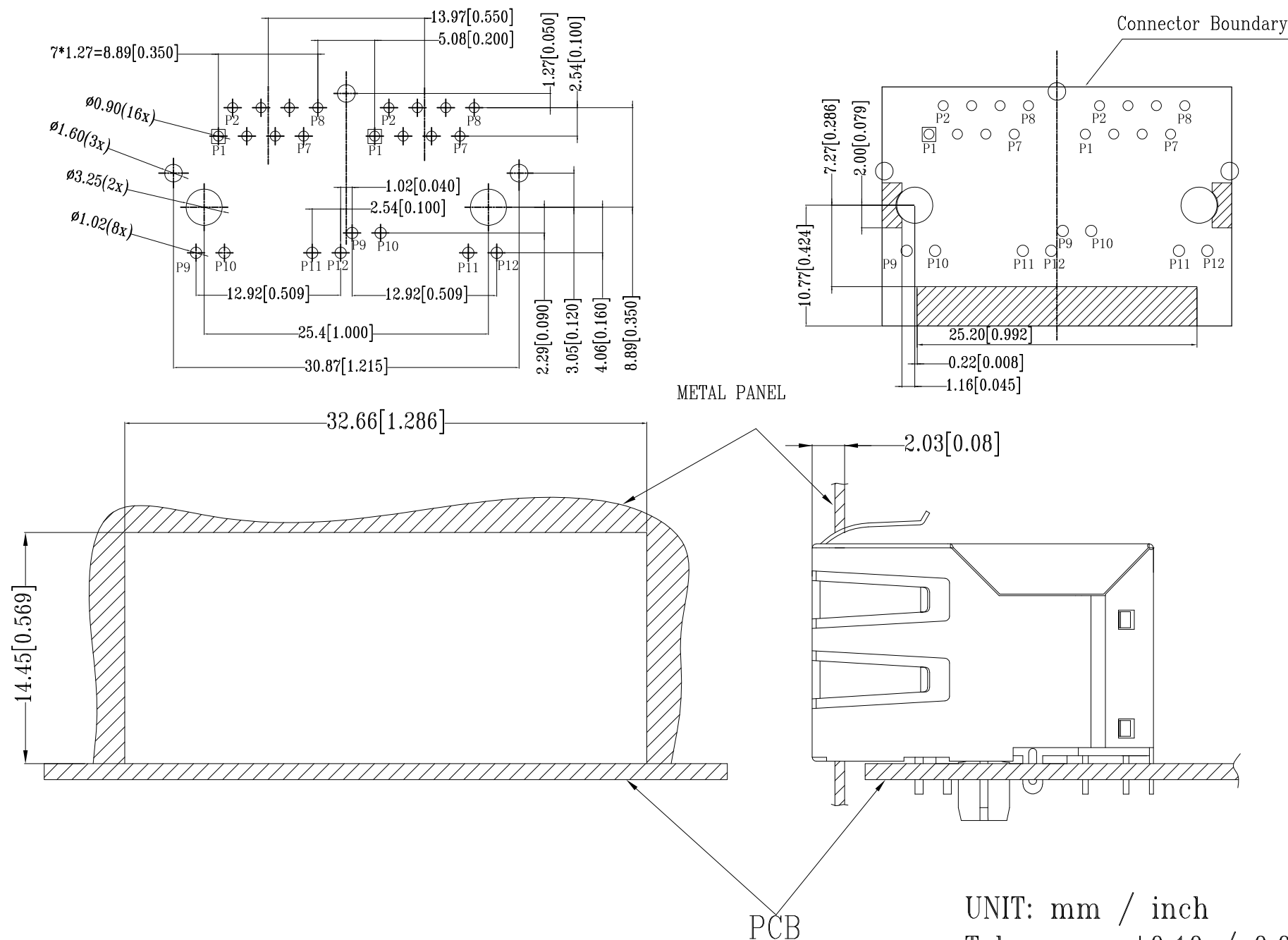



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 27AUG2016 GANESH C M	<b>STE</b> TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK 27AUG2016 FRANZ MUELLER				
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - △ 1 PLC ± - △ 2 PLC ± - △ 3 PLC ± - △ 4 PLC ± - △ ANGLES ± -		APVD 27AUG2016 MARTIN SZELAG	NAME RJ45 JACK INT.MAG. 10/100 LED 1x2			
MATERIAL △ FINISH △		PRODUCT SPEC 108-94552	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301996-6	RESTRICTED TO -
		APPLICATION SPEC 114-94447	SCALE 3:1		SHEET 1 OF 3	REV A1
		WEIGHT -	CUSTOMER DRAWING			

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

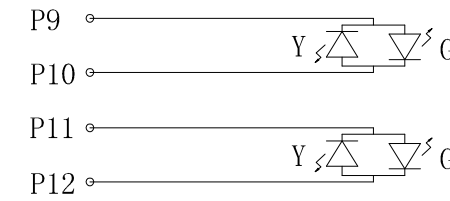
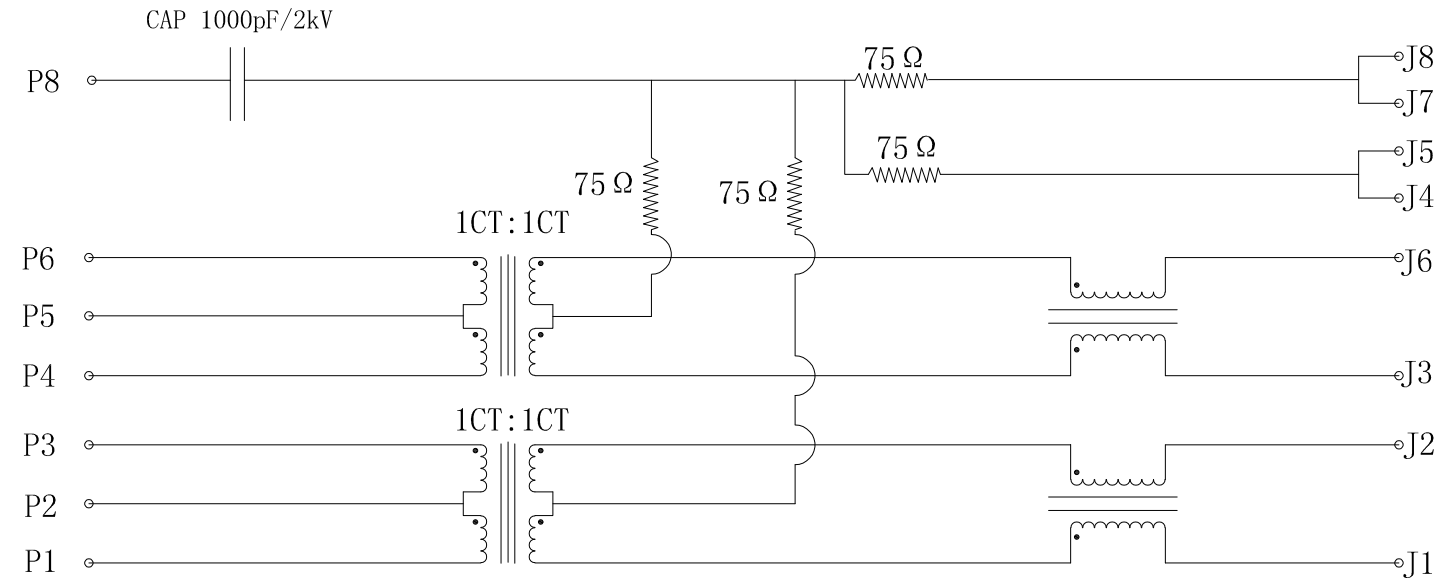
# SUGGESTED PCB LAYOUT



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	27AUG2016		 <b>TE Connectivity</b>
		CHK	27AUG2016		
		APVD	27AUG2016		
		NAME	FRANZ MUELLER		
		PRODUCT SPEC	MARTIN SZELAG		NAME
		APPLICATION SPEC	108-94552		RJ45 JACK INT.MAG. 10/100 LED 1x2
		WEIGHT	114-94447		SIZE
		CUSTOMER DRAWING	0		A3
		SCALE	3:1		CAGE CODE
		SHEET	2 OF 3		00779
		REV	A1		DRAWING NO
		RESTRICTED TO	-		C=2301996-6

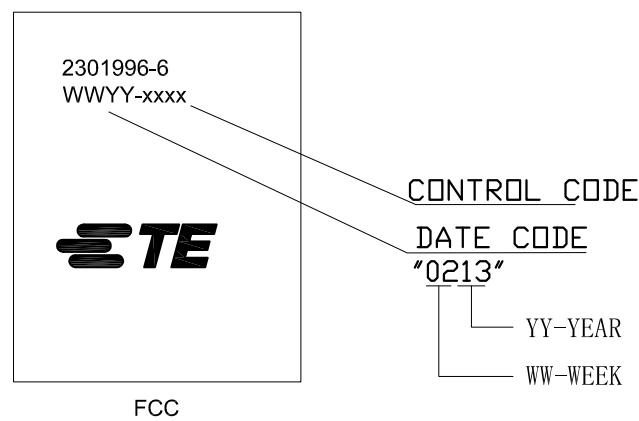
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

# ELECTRICAL CIRCUIT DIAGRAM



Pin	Yellow	Green	Pin	Yellow	Green
P9	-	+	P11	-	+
P10	+	-	P12	+	-

- 1.0 Turn Ratio @100kHz: (P1~P3):(J1~J2) = 1:1±2%  
(P4~P6):(J3~J6) = 1:1±2%
- 2.0 Primary Inductance: 350µH MIN. @100kHz, 0.1V 8mA DC BIAS
- 3.0 DC Resistance: 1.2 OHMS MAX.
- 4.0 Insertion Loss: 1-100MHz -1.2dB MAX.
- 5.0 Return Loss: 1-30MHz -16dB MIN.  
30-60MHz -12dB MIN.  
60-80MHz -10dB MIN.
- 6.0 CROSS TALK: 1-100MHz -30dB MIN.
- 7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
- 8.0 Isolation: PHY Side to Line Side: 2250VDC



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 27AUG2016			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 10/100 LED 1x2		
0 PLC ± -		PRODUCT SPEC 108-94552	SIZE CAGE CODE DRAWING NO RESTRICTED TO		
1 PLC ± -		APPLICATION SPEC 114-94447	A3 00779 C-2301996-6		
2 PLC ± -		WEIGHT	SCALE 3:1 SHEET 3 OF 3 REV A1		
3 PLC ± -		MATERIAL FINISH			
4 PLC ± -					
ANGLES ± -					
1					