



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!



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4

3

2

1

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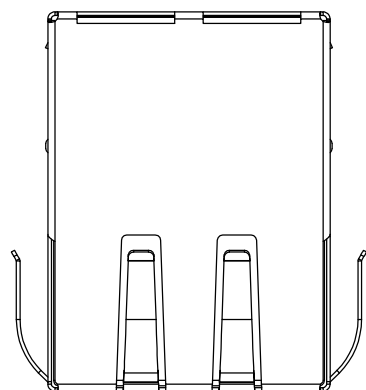
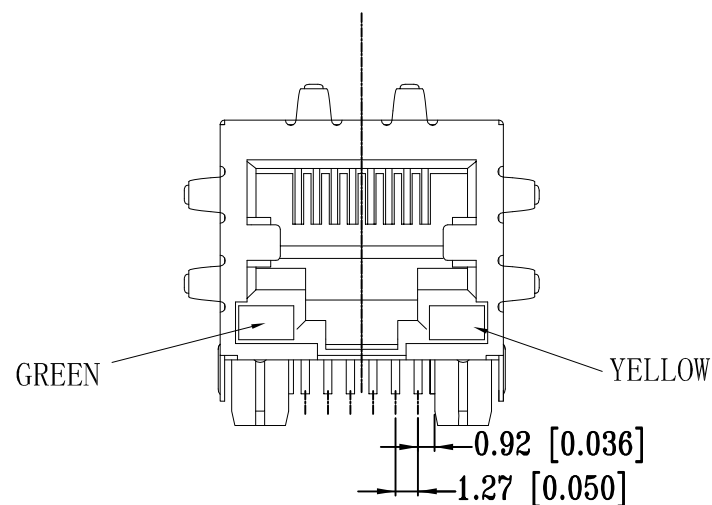
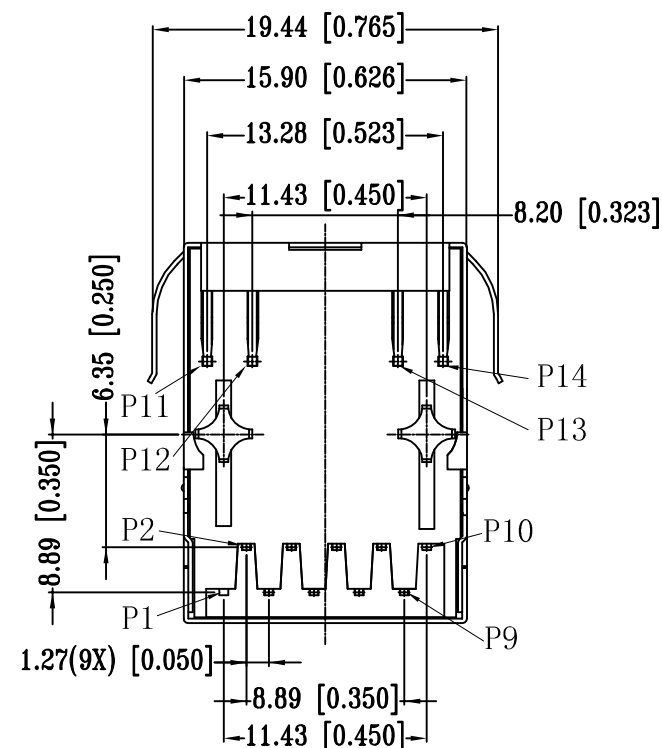
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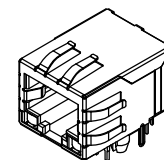
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## REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B2	REV. PER PCN E-17-002286	18AUG2017	GCM	MSZ



- 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
- ⑦ UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- 8 JACK CONFIGURATION: 1 x 1  
TAB DIRECTION: DOWN
- 9 PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18116

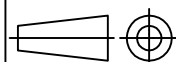


1:1

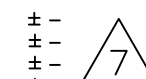


TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

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DIMENSIONS:  
mm [INCHES]

MATERIAL

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:0 PLC ± -  
1 PLC ± -  
2 PLC ± -  
3 PLC ± -  
4 PLC ± -  
ANGLES ± -  
FINISH

DWN 28OCT2016

CHK GANESH C M

27AUG2016

FRANZ MUELLER

APVD 28OCT2016

MARTIN SZELAG

PRODUCT SPEC

108-94552

APPLICATION SPEC

114-94447

WEIGHT

CUSTOMER DRAWING



TE Connectivity

NAME

RJ45 JACK INT.MAG. 1Gb LED 1x1

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C=

1-2301994-0

SCALE

3:1

SHEET

1 of 3

REV

B2

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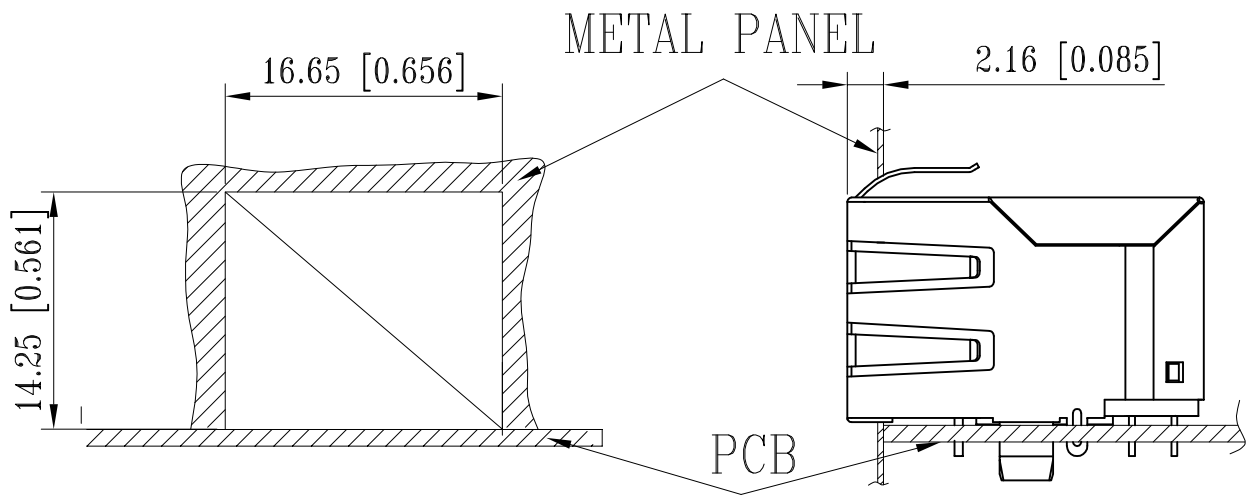
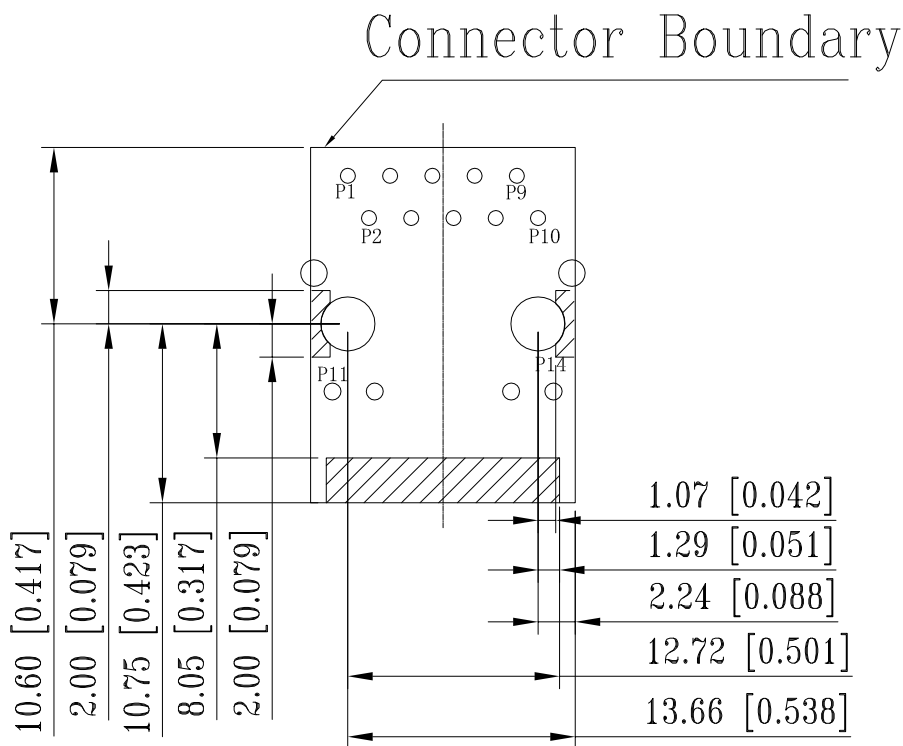
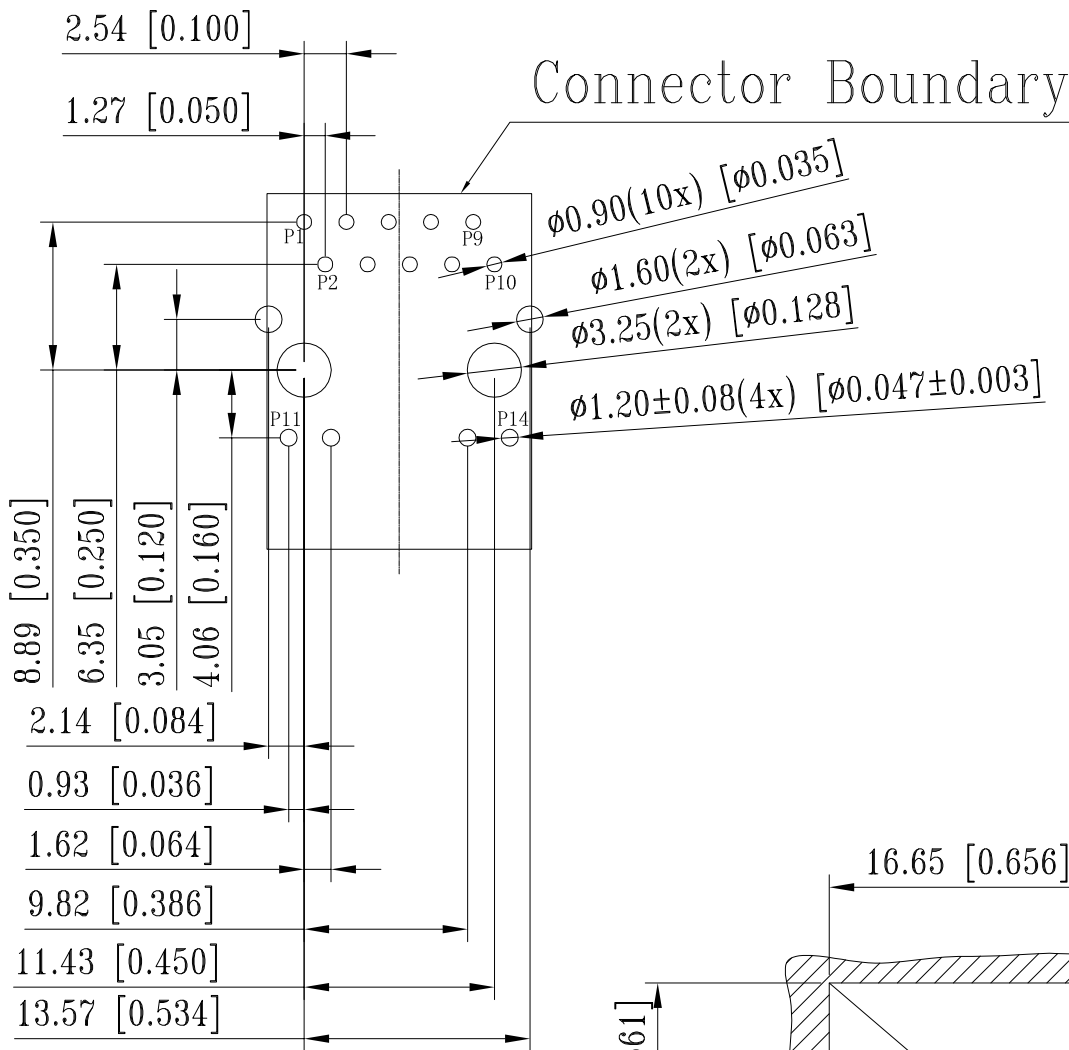
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REVISIONS

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

SUGGESTED PCB LAYOUT



UNIT: mm / inch  
TOLERANCES:  $\pm 0.10$  / 0.004

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 1Gb LED 1x1		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94552			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC 114-94447			
MATERIAL		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-1-2301994-0
			RESTRICTED TO -		
			SCALE 3:1		SHEET 2 of 3
			CUSTOMER DRAWING		REV B2

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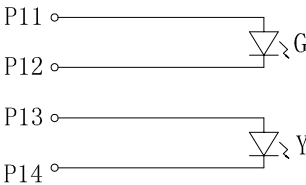
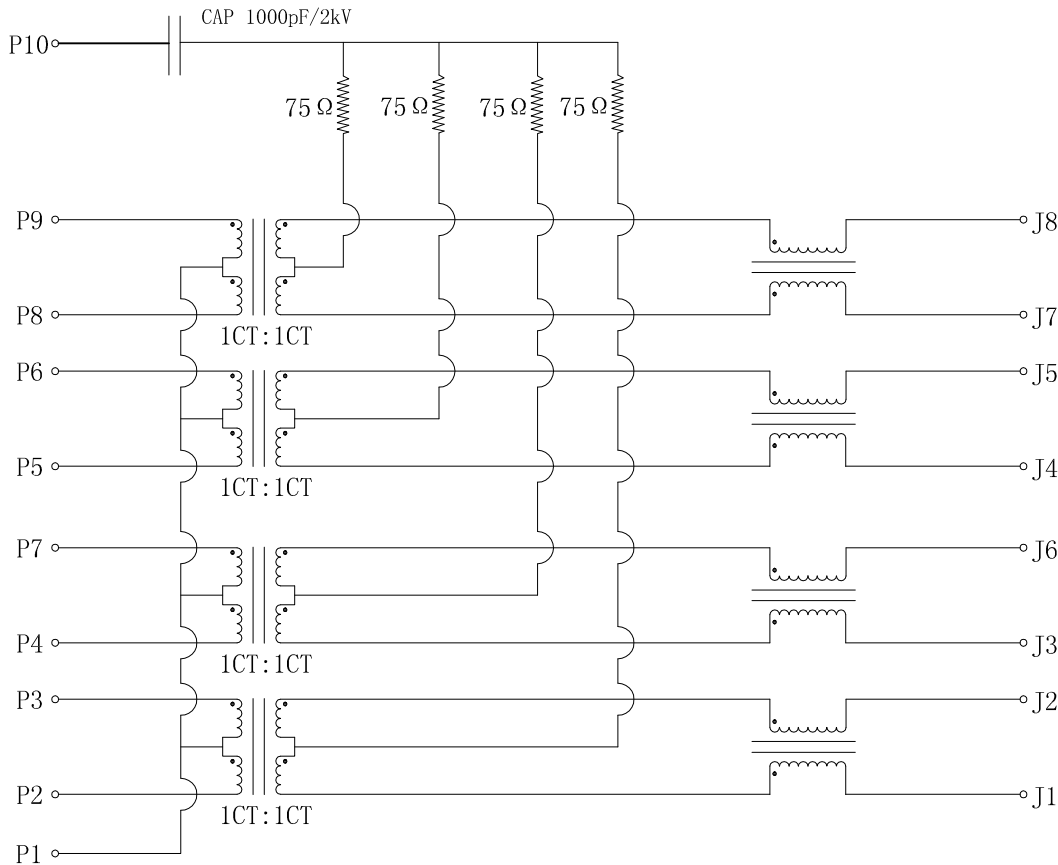
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REVISIONS

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

ELECTRICAL CIRCUIT DIAGRAM



Pin	Green		Yellow
P11	+	P13	+
P12	-	P14	-

1.0 Turn Ratio @100kHz: (P2~P3):(J1~J2) = 1:1±2%  
(P4~P7):(J3~J6) = 1:1±2%  
(P5~P6):(J4~J5) = 1:1±2%  
(P8~P9):(J7~J8) = 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 -1.0dB MAX.  
100-125MHz -1.2dB MAX.  
5.0 Return Loss: 1-40MHz -16dB MIN.  
40-60MHz -12dB MIN.  
60-80MHz -10dB MIN.  
80-100MHz -8dB 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

1-2301994-0  
WWYY-xxxx

CONTROL CODE


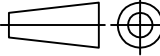



DATE CODE

"0213"

YY-YEAR

WW-WEEK

FCC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016		 TE Connectivity				
DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 27AUG2016						
	TOLERANCES UNLESS OTHERWISE SPECIFIED:  0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -  	APVD MARTIN SZELAG 27AUG2016		NAME  RJ45 JACK INT.MAG. 1Gb LED 1x1  -  -				
		PRODUCT SPEC  108-94552						
		MATERIAL 		APPLICATION SPEC  114-94447		SIZE	CAGE CODE	DRAWING NO
FINISH 		WEIGHT		A3	00779	©-1-2301994-0	-	
CUSTOMER DRAWING						SCALE 3:1	SHEET 3 of 3	REV B2