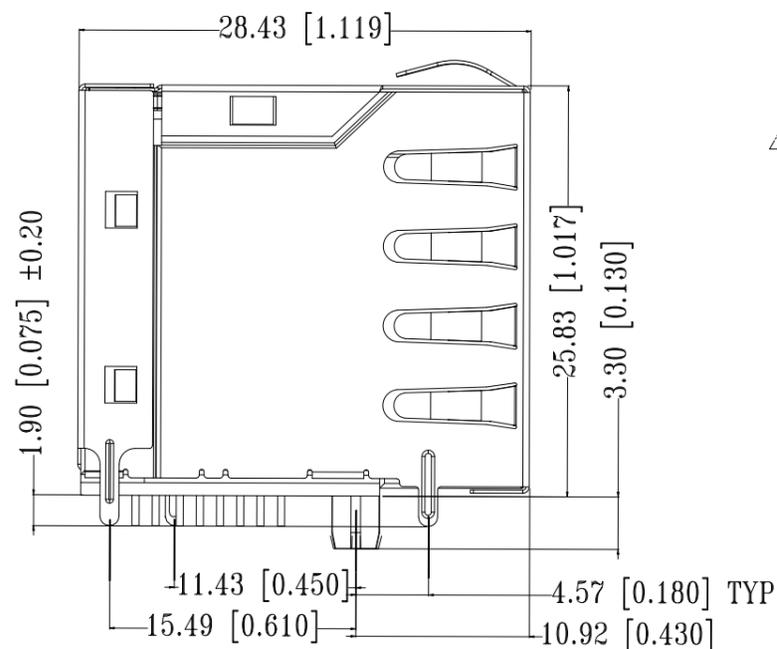
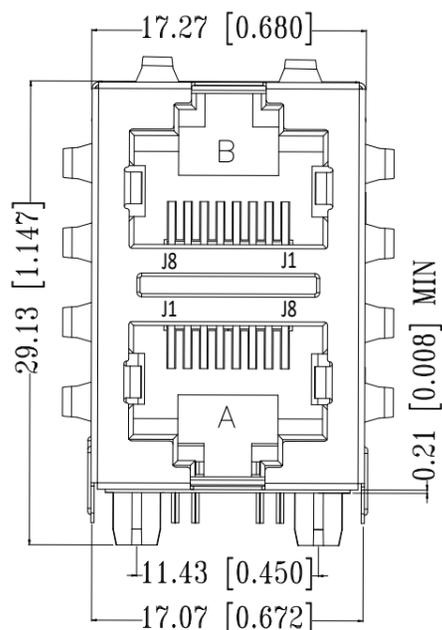
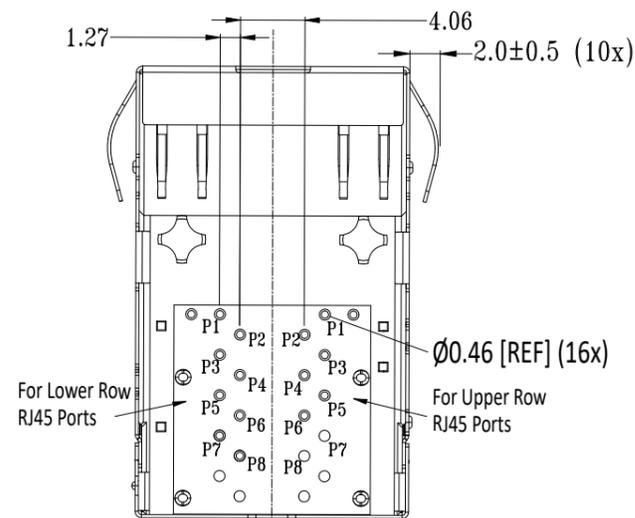
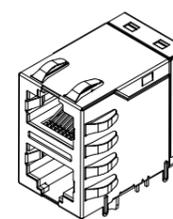


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	PIN INFORMATION UPDATED	30JAN2024	NK	NM



- △ 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 (30 µinch) 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 CAVITY DIMENSION CONFORM TO FCC 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: 2 x 1  
 TAB DIRECTION: UP/DOWN
- 9 PACKAGING: TRAY ACCORDING TO PACKAGING SPECIFICATION 107-18116



1:1

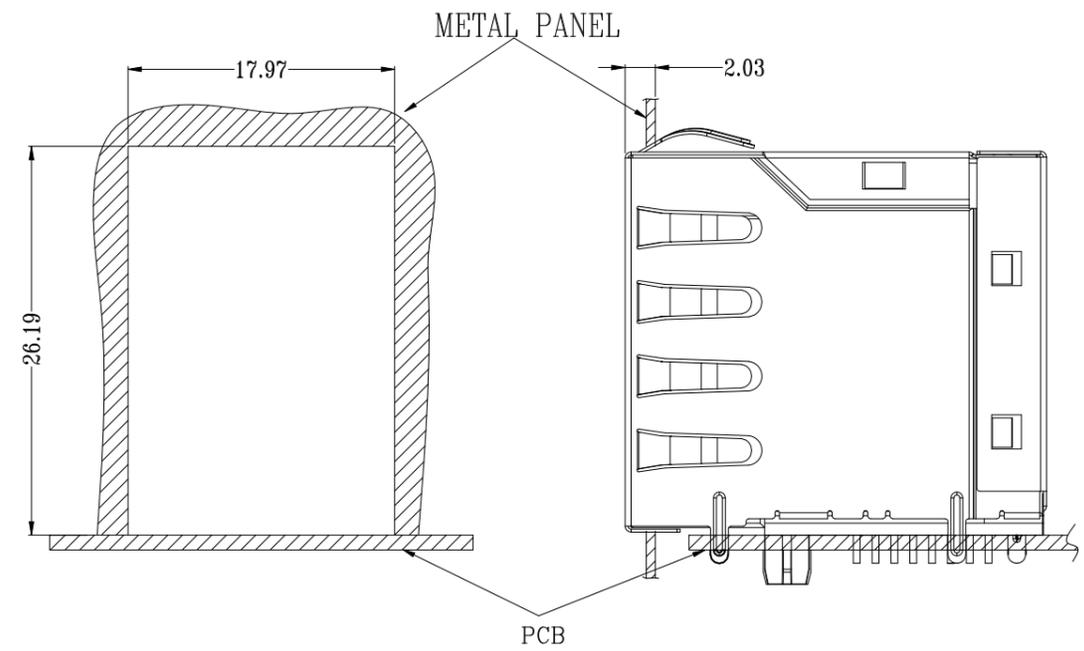
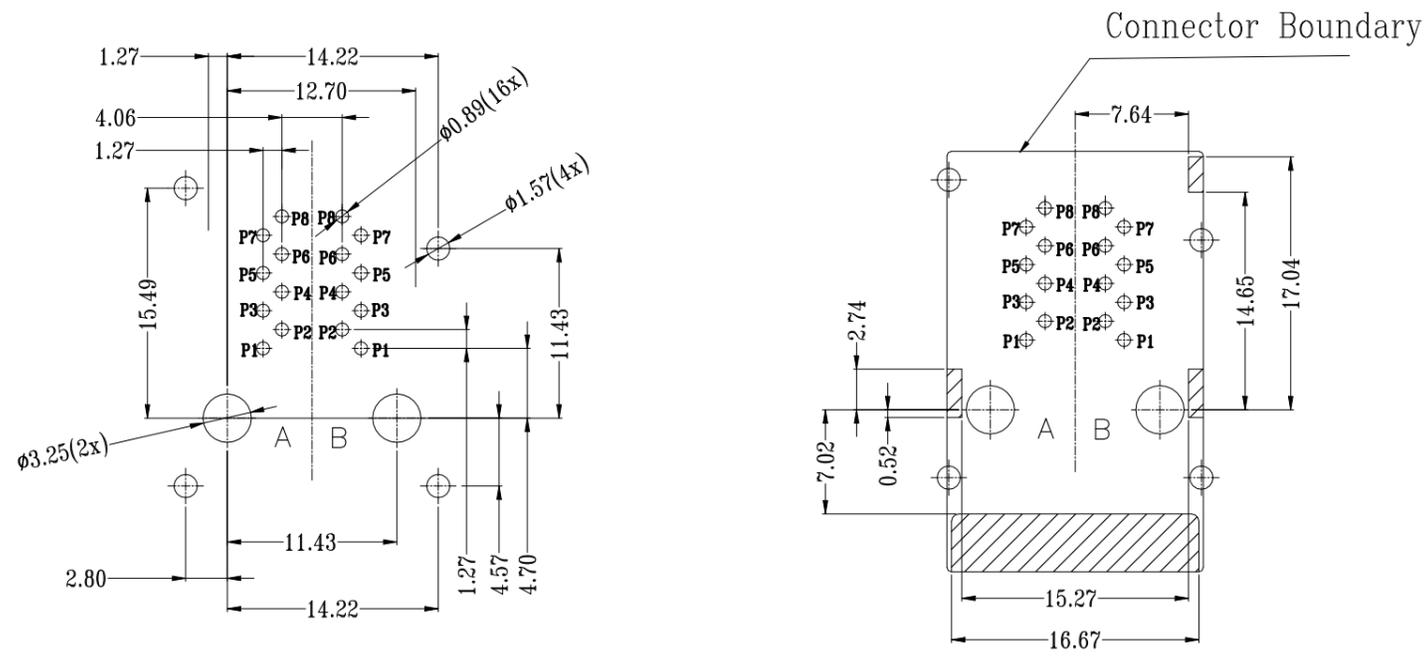
TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 27AUG2016 GANESH C M		TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK 27AUG2016 FRANZ MUELLER			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 27AUG2016 MARTIN SZELAG		NAME RJ45 JACK INT.MAG. 10/100 2x1	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-94552 APPLICATION SPEC 114-94447		RESTRICTED TO	
MATERIAL △ 1		FINISH △ 1		SIZE A3 CAGE CODE 00779 DRAWING NO C-2301997-2	
CUSTOMER DRAWING				SCALE 3:1 SHEET 1 OF 3 REV A2	

THIS DRAWING IS UNPUBLISHED  
 RELEASED FOR PUBLICATION - ,2017.  
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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
-	-	SEE SHEET 1	-	-

### SUGGESTED PCB LAYOUT



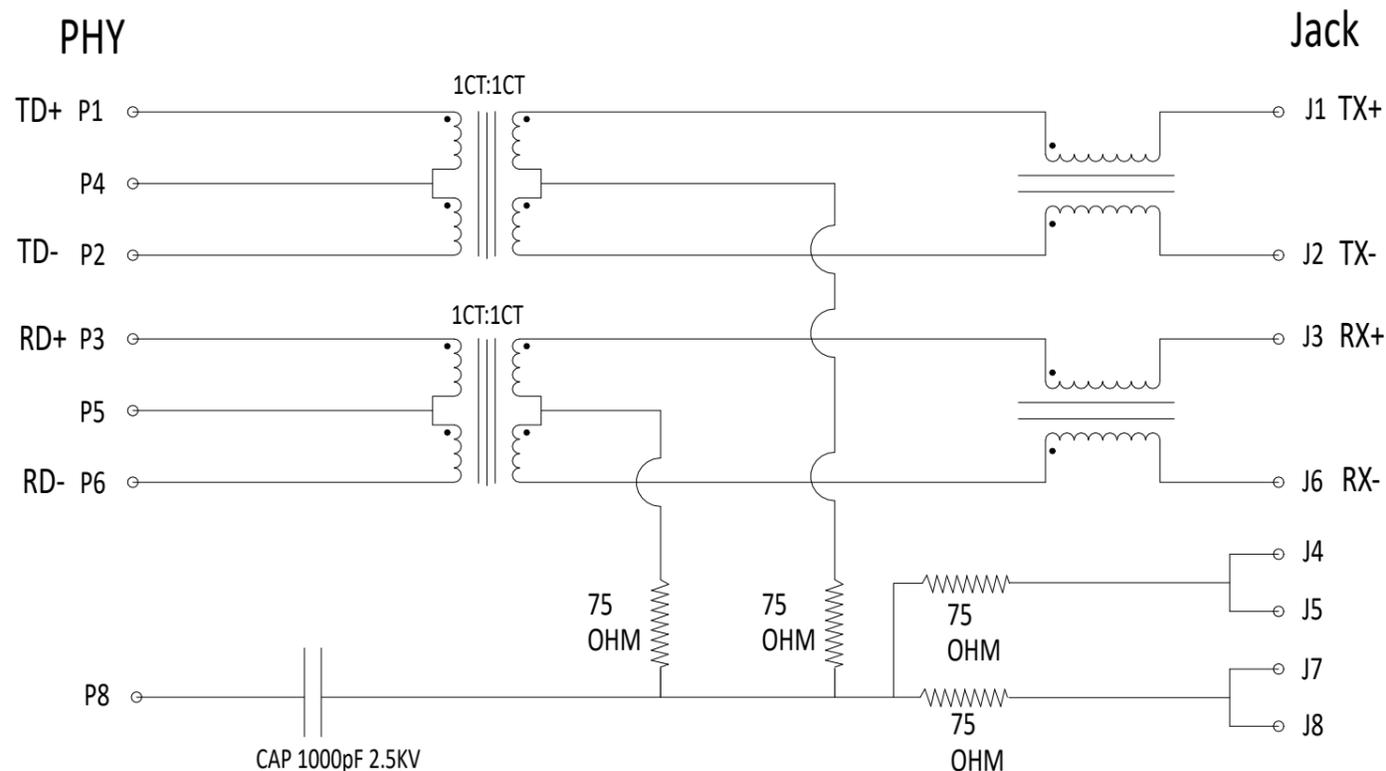
UNIT: mm / inch  
 TOLERANCES:  $\pm 0.10 / 0.004$   
 ONLY FOR THIS VIEW

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 2x1																
<table border="0"> <tr> <td>0 PLC</td> <td><math>\pm -</math></td> <td rowspan="4">  </td> </tr> <tr> <td>1 PLC</td> <td><math>\pm -</math></td> </tr> <tr> <td>2 PLC</td> <td><math>\pm -</math></td> </tr> <tr> <td>3 PLC</td> <td><math>\pm -</math></td> </tr> <tr> <td>4 PLC</td> <td><math>\pm -</math></td> <td></td> </tr> <tr> <td>ANGLES</td> <td><math>\pm -</math></td> <td></td> </tr> </table>		0 PLC	$\pm -$		1 PLC	$\pm -$	2 PLC	$\pm -$	3 PLC	$\pm -$	4 PLC	$\pm -$		ANGLES	$\pm -$		PRODUCT SPEC 108-94552	RESTRICTED TO	
0 PLC	$\pm -$																		
1 PLC	$\pm -$																		
2 PLC	$\pm -$																		
3 PLC	$\pm -$																		
4 PLC	$\pm -$																		
ANGLES	$\pm -$																		
MATERIAL		FINISH	APPLICATION SPEC 114-94447	SIZE A3															
			WEIGHT 0	CAGE CODE 00779															
CUSTOMER DRAWING			DRAWING NO C-2301997-2	RESTRICTED TO -															
			SCALE 3:1	SHEET 2 OF 3															
			REV A2																

REVISIONS

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

ELECTRICAL CIRCUIT DIAGRAM



- TURN RATIO @100KHz: (P1~P2):(J1~J2) = 1:1±2%  
(P3~P6):(J3~J6) = 1:1±2%
- PRIMARY INDUCTANCE: 350uH MIN. @100KHZ,0.1V 8mA DC BIAS
- DC RESISTANCE: 1.2 OHMS MAX.
- INSERTION LOSS: 1-100MHz -1.2dB MAX.
- RETURN LOSS: 1-30MHz -16dB MIN. (@30MHz -17.0dB TYP)  
30-60MHz -16dB+20log(f/30MHz) MIN.  
(@60MHz -13.0dB TYP)  
60-80MHz -10dB MIN. (@80MHz -11.0dB TYP)
- CROSS TALK: 1-100MHz -30dB MIN.
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
- ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC

2301997-2  
WWYY-xxxx

**TE**

FCC

CONTROL CODE  
DATE CODE  
"0213"  
YY-YEAR  
WW-WEEK

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	<b>TE</b> TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 27AUG2016			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 10/100 2x1		
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-94552	RESTRICTED TO		
MATERIAL 1		FINISH 1	APPLICATION SPEC 114-94447	SIZE A3	CAGE CODE 00779
			WEIGHT 0	DRAWING NO C-2301997-2	
CUSTOMER DRAWING			SCALE 3:1	SHEET 3 OF 3	REV A2