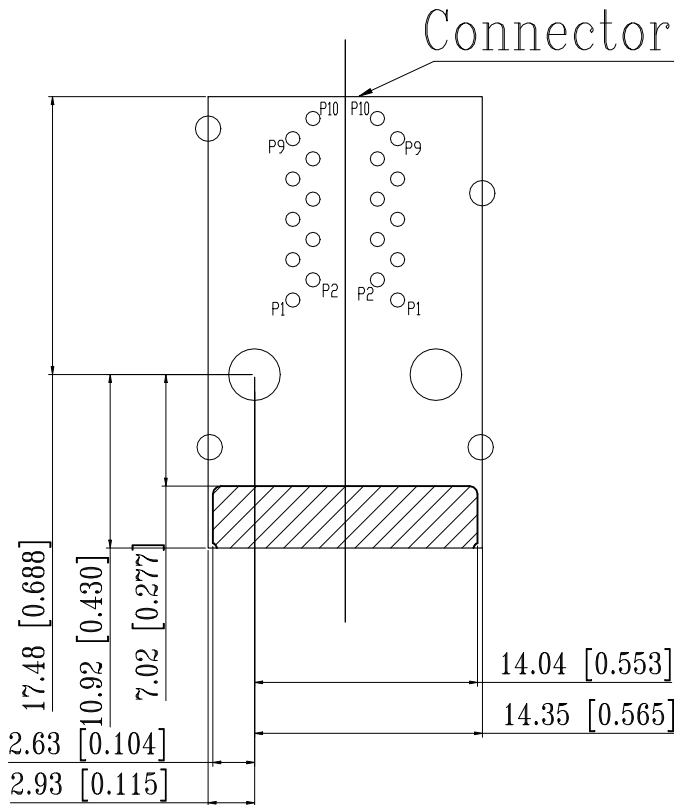
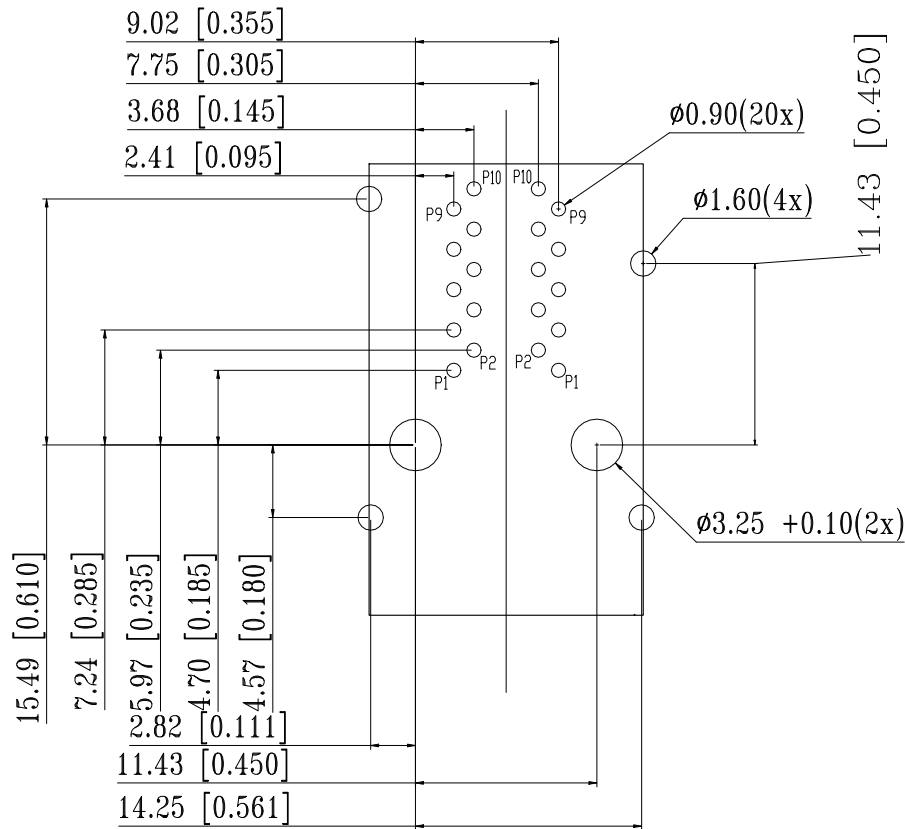


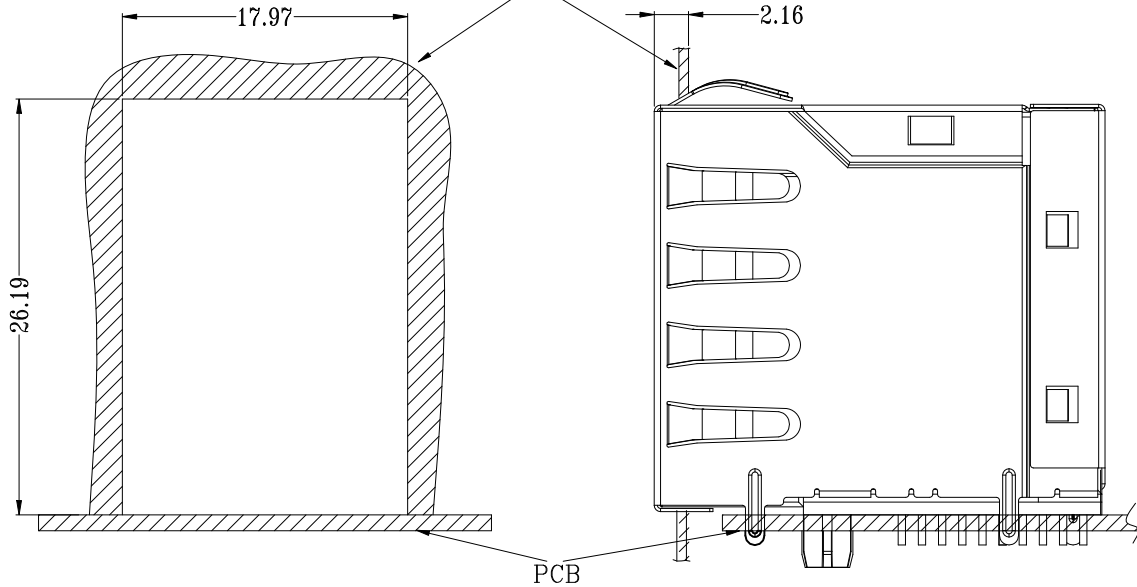
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

SUGGESTED PCB LAYOUT



Connector Boundary

METAL PANEL

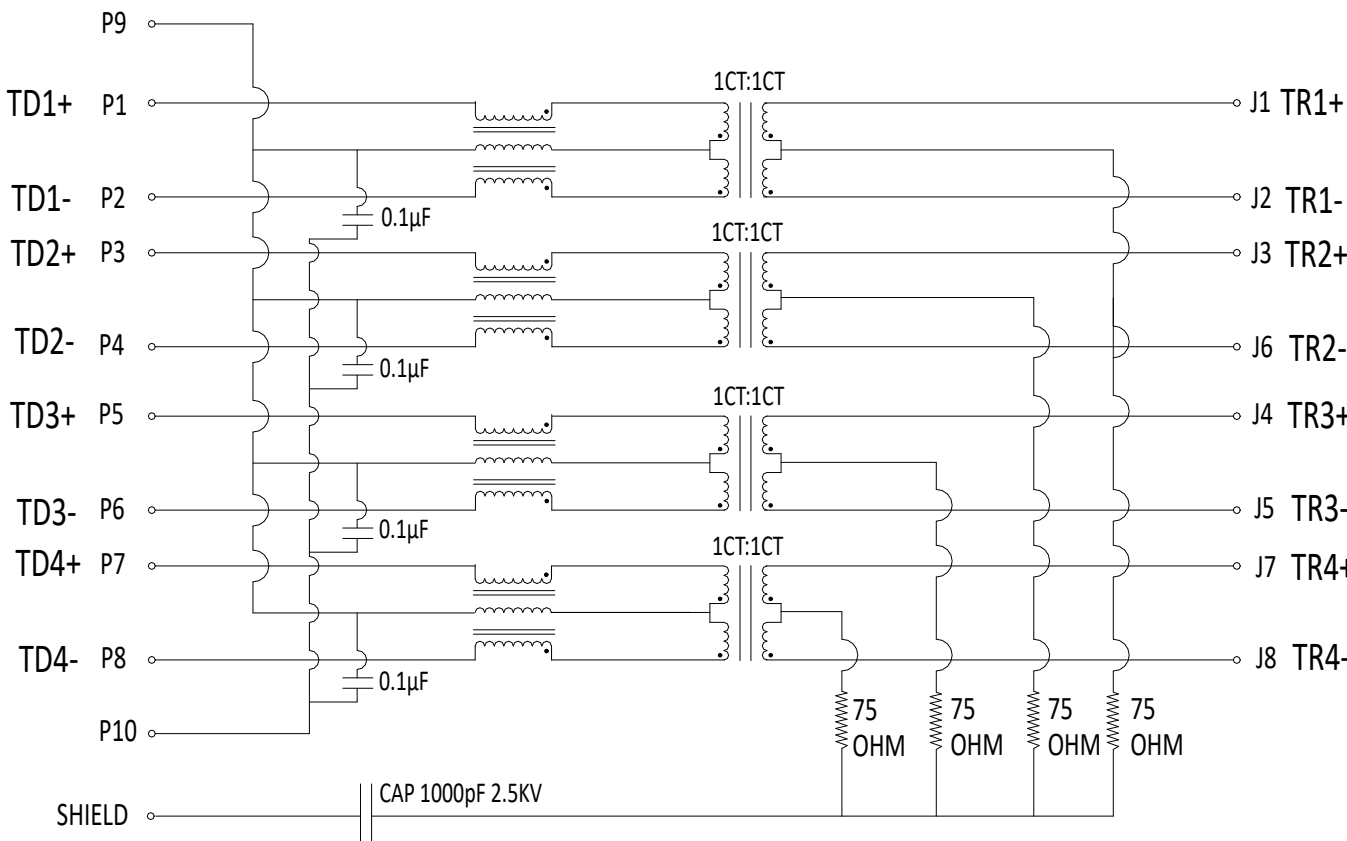


UNIT: mm / inch
TOLERANCES: ± 0.10 / 0.004
ONLY FOR THIS VIEW

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 2x1		
		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
		WEIGHT 0	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301997-4
		CUSTOMER DRAWING			RESTRICTED TO —
		SCALE 3:1			SHEET 2 OF 3
					REV A3

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

ELECTRICAL CIRCUIT DIAGRAM



2301997-4
WWYY-xxxx

TE

FCC

CONTROL CODE

DATE CODE
"0213"

YY-YEAR

WW-WEEK

1. TURN RATIO @100KHz: (P1~P2):(J1~J2) = 1:1±2%
(P3~P4):(J3~J6) = 1:1±2%
(P5~P6):(J4~J5) = 1:1±2%
(P7~P8):(J7~J8) = 1:1±2%
2. PRIMARY INDUCTANCE: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
3. DC RESISTANCE: 1.2 OHMS MAX
4. INSERTION LOSS: 1-100MHz -1.0dB MAX
100-125MHz -1.2dB MAX.
5. RETURN LOSS: 1-40MHz -16dB MIN. (@40MHz -17.0dB TYP)
40-100MHz -10dB+20log(f/80MHz) MIN.
(@100MHz -9.0dB TYP)
6. CROSS TALK: 1-100MHz -30dB MIN.
7. COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
8. ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC

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