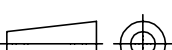


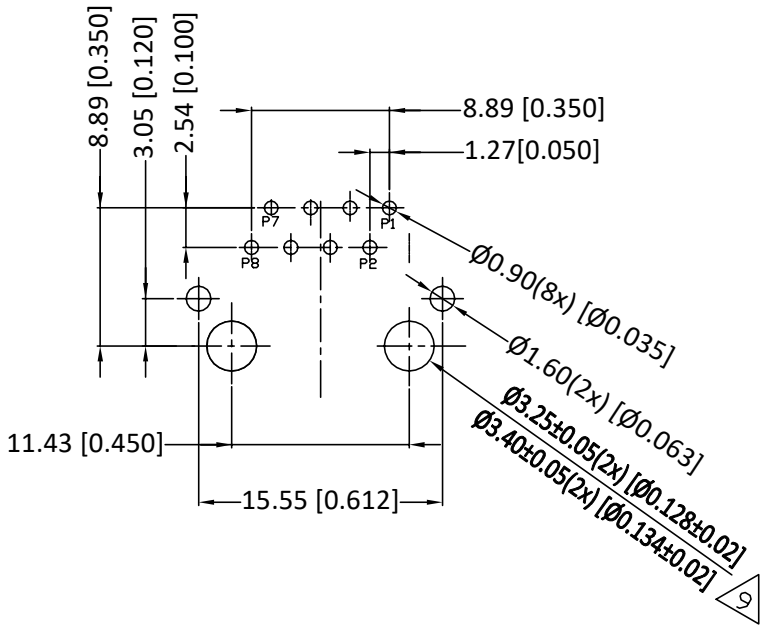
1:1

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

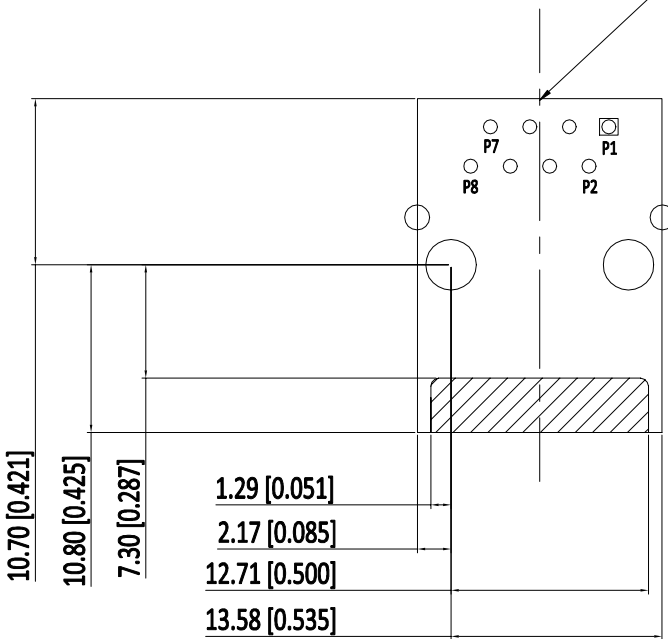
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GAMESH C M 16AUG2016		TE Connectivity Ltd.				
		CHK FRANZ MUELLER 16AUG2016						
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RJ45 JACK INT.MAG. 10/100 1x1 INV				
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - 						
MATERIAL 		FINISH 						
		APVD MARTIN SZELAG 16AUG2016 PRODUCT SPEC 108-94552 APPLICATION SPEC 114-94447 WEIGHT -						
				SIZE A3	CAGE CODE 00779	DRAWING NO C=2301994-1	RESTRICTED TO -	
CUSTOMER DRAWING						SCALE 3:1	SHEET 1 OF 3	REV R6

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

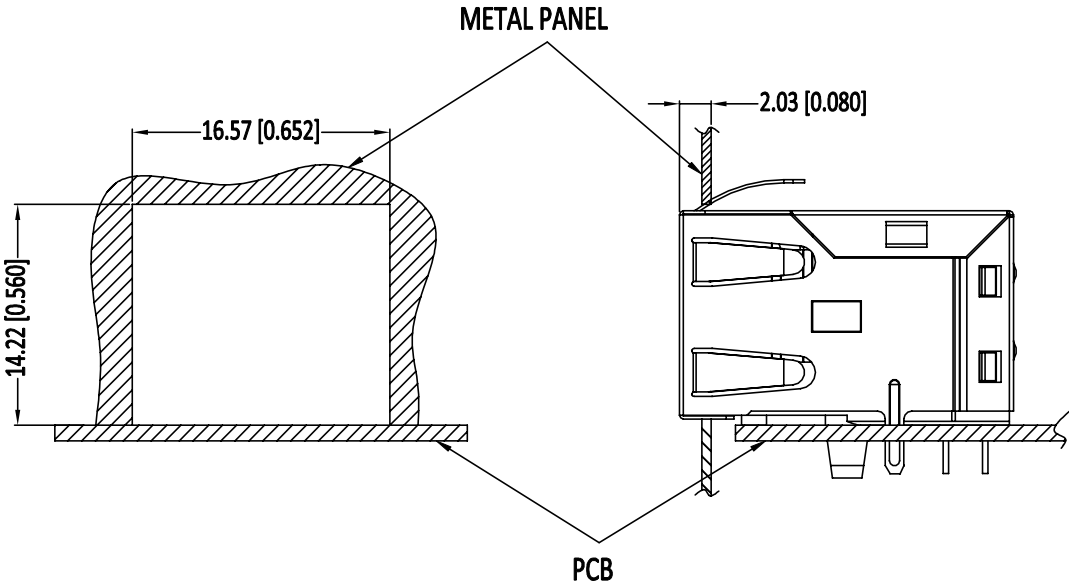
SUGGESTED PCB LAYOUT



Connector Boundary



Plug In Side



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

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN GAMESH C M 16AUG2016		TE Connectivity Ltd.					
				CHK FRANZ MUELLER 16AUG2016							
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MARTIN SZELAG 16AUG2016		NAME RJ45 JACK INT.MAG. 10/100 1x1 INV					
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - 		PRODUCT SPEC 108-94552		SIZE A3					
				APPLICATION SPEC 114-94447							
MATERIAL 		FINISH 		WEIGHT -		CAGE CODE 00779		DRAWING NO C=2301994-1		RESTRICTED TO -	
CUSTOMER DRAWING						SCALE 3:1		SHEET 2 OF 3		REV B6	

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

D

C

B

A

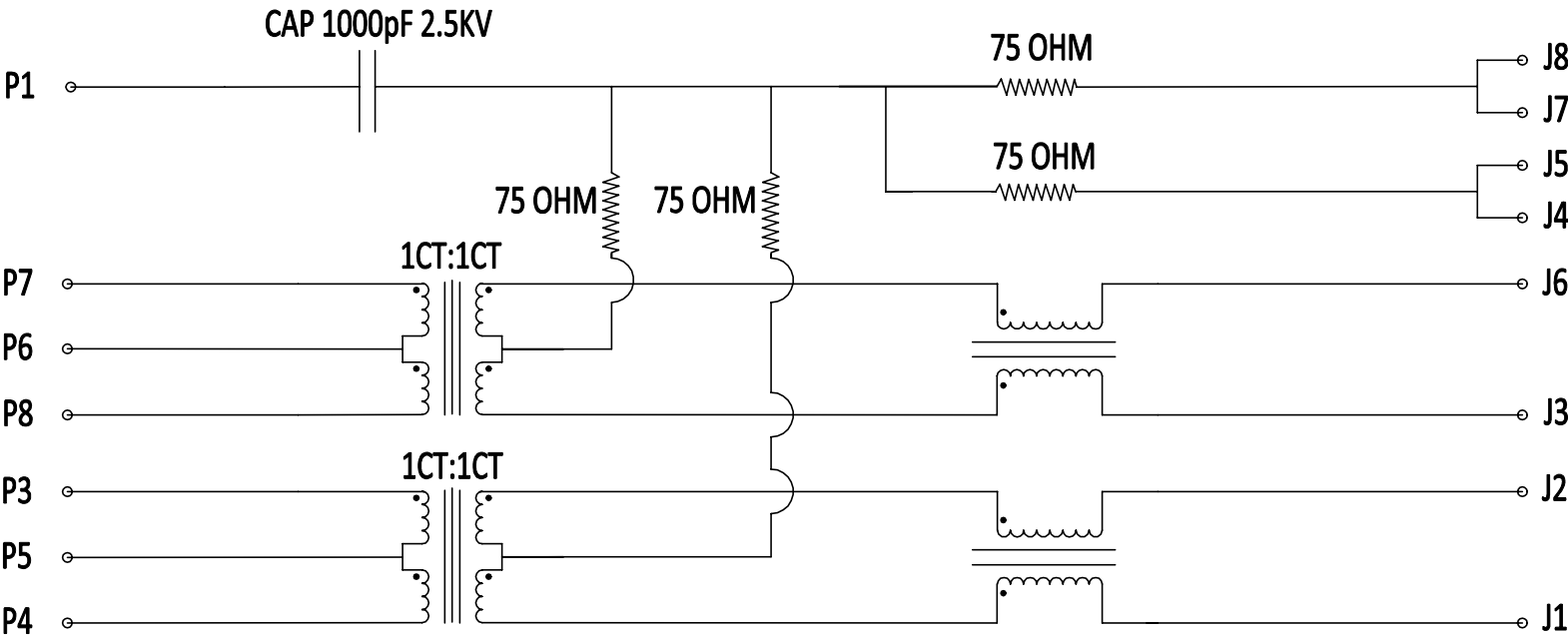
D

C

B

A

ELECTRICAL CIRCUIT DIAGRAM



1. TURN RATIO @100kHz: (P4~P3):(J1~J2) = 1:1±2%
(P8~P7):(J3~J6) = 1:1±2%
2. PRIMARY INDUCTANCE: 350μH MIN. @100kHz,0.1V 8mA DC BIAS
3. DC RESISTANCE: 1.2 OHMS MAX.
4. INSERTION LOSS: 1-100MHz -1.2dB MAX.
5. RETURN LOSS: 1-30MHz -16dB MIN.
30-60MHz -16dB+20log(f/30MHz) MIN.
60-80MHz -10dB MIN.
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

2301994-1
WWYY-xxxx



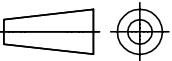
FCC

CONTROL CODE

DATE CODE
"0213"

YY-YEAR

WW-WEEK

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		CHK FRANZ MUELLER 16AUG2016			
		APVD MARTIN SZELAG 16AUG2016	NAME RJ45 JACK INT.MAG. 10/100 1x1 INV		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
MATERIAL 		WEIGHT —	SIZE A3	CAGE CODE 00779	DRAWING NO C=2301994-1
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± — FINISH 		CUSTOMER DRAWING	SCALE 3:1	SHEET 3 of 3	REV B6