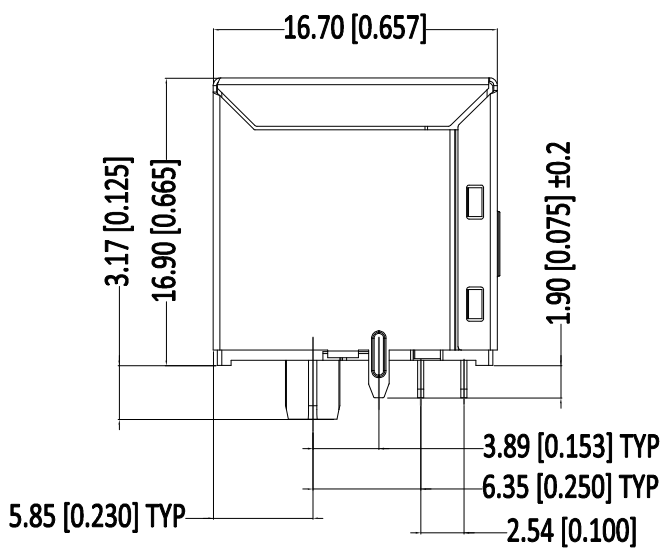
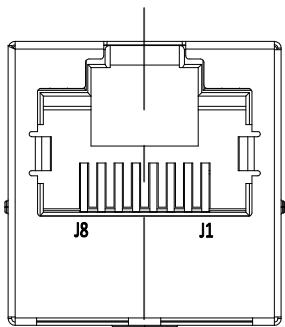
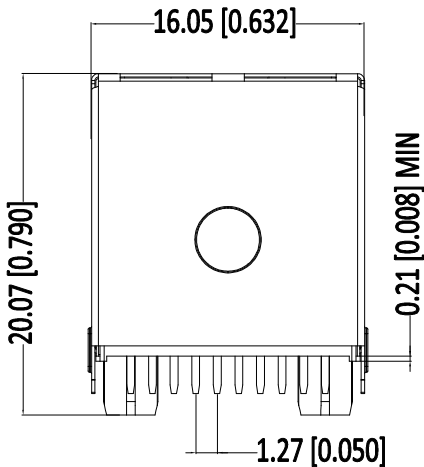
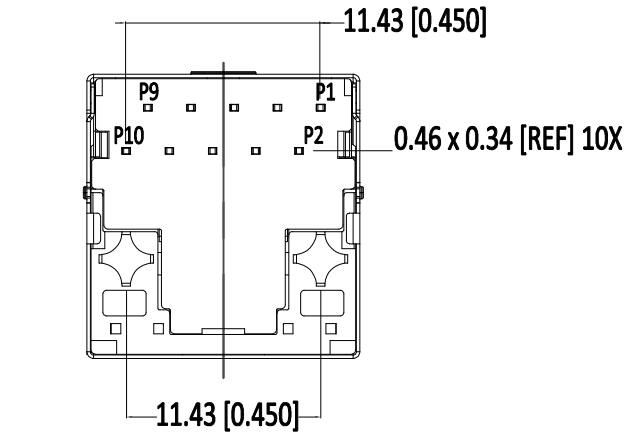
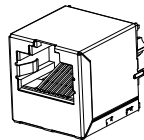


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	BOTTOM SUPPORT BLOCK STRENGTHEN	24JUN2024	SS	JDB



- 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 1.27µm (50µinch) NICKEL
OVER ALL
SHIELDING PIN PLATING: NICKEL
- 2 PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL CIRCUIT
DIAGRAM FOR OMITTED PINS
- 3 RJ45 CAVITIY 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
- 7 UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- 8 JACK CONFIGURATION: 1 x 1
TAB DIRECTION: UP
- 9 PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18116



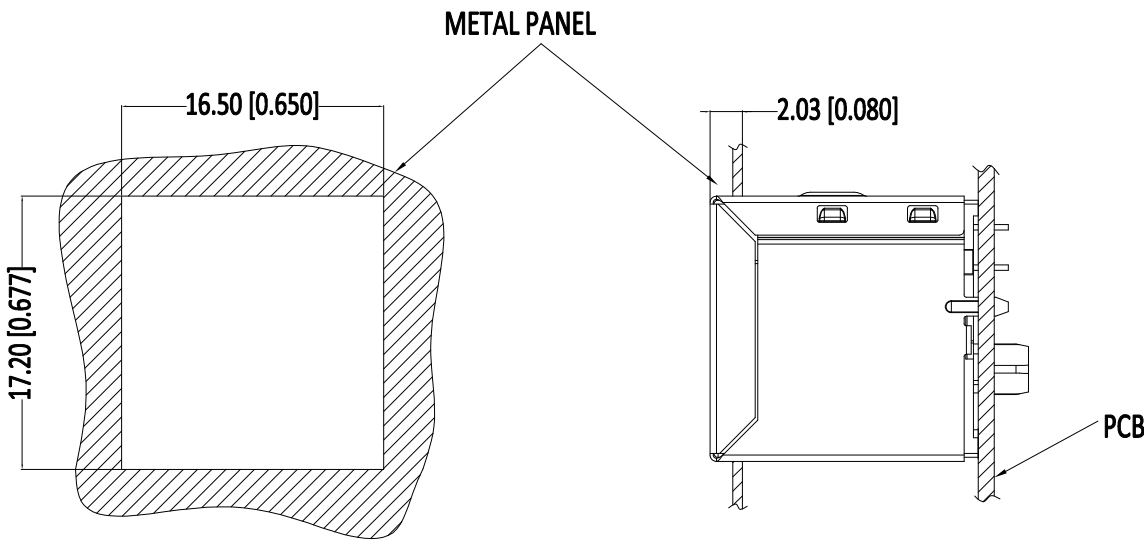
1:1

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

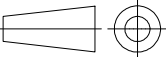
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 1Gb 1x1 VERT		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
MATERIAL		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301995-1
		CUSTOMER DRAWING		SCALE 3:1	SHEET 1 OF 3
				REV A2	

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

SUGGESTED PCB LAYOUT

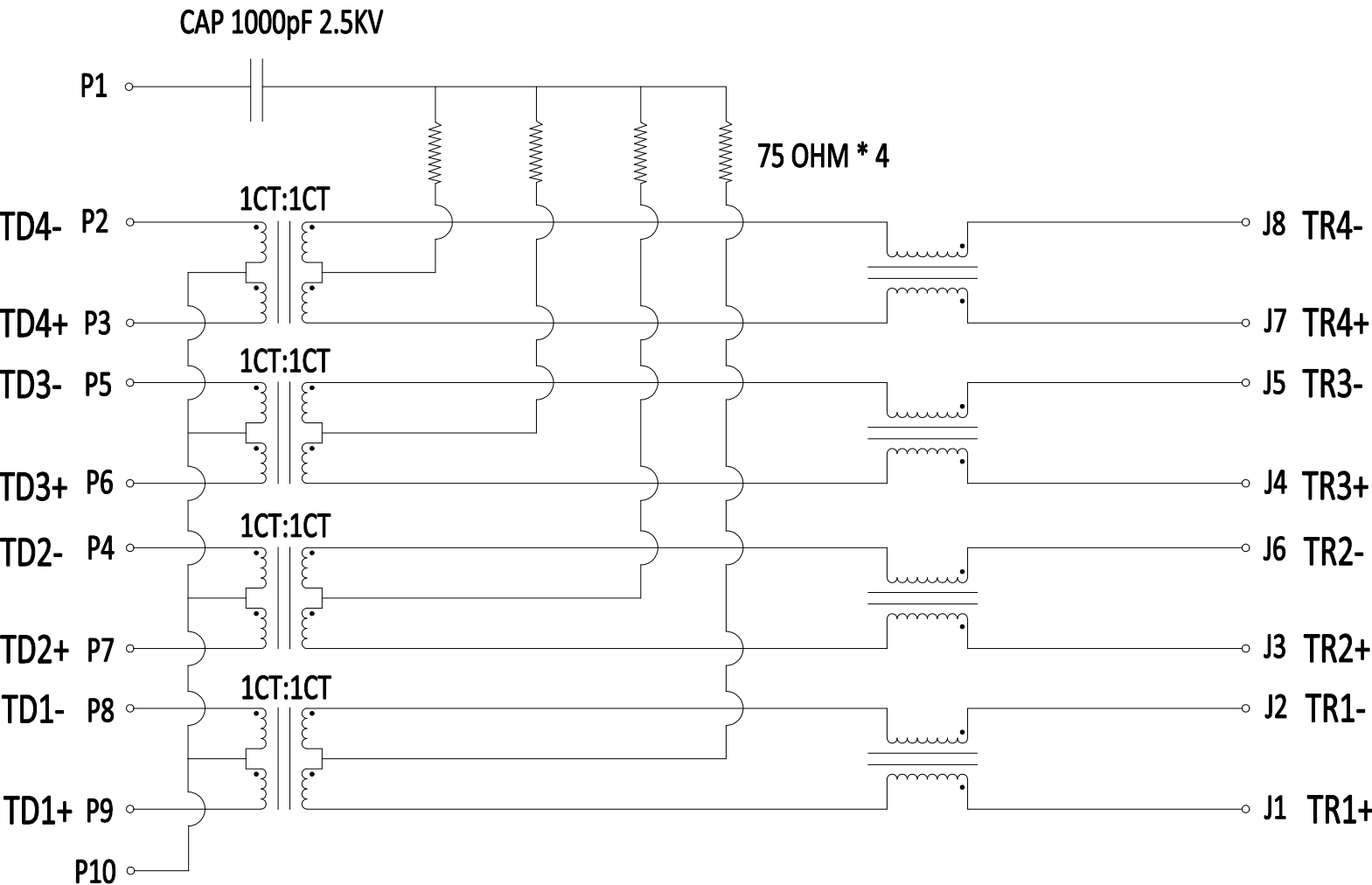


UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004
ONLY FOR THIS VIEW

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	 TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016			
DIMENSIONS: mm [INCHES]		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 1Gb 1x1 VERT		
		PRODUCT SPEC 108-94552	SIZE A3		
		APPLICATION SPEC 114-94447			
MATERIAL 		WEIGHT —	CAGE CODE 00779	DRAWING NO C-2301995-1	RESTRICTED TO —
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± — FINISH 		CUSTOMER DRAWING			
		SCALE 3:1	SHEET 2 OF 3	REV A2	

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

ELECTRICAL CIRCUIT DIAGRAM



FCC

2301995-1
WWYY-xxxx

CONTROL CODE

DATE CODE

"0213"

YY-YEAR

WW-WEEK

- 1. TURN RATIO @100KHZ: (P9~P8):(J1~J2) = 1:1±2%
(P7~P4):(J3~J6) = 1:1±2%
(P6~P5):(J4~J5) = 1:1±2%
(P3~P2):(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 1x1 VERT		
		PRODUCT SPEC 108-94552	—		
		APPLICATION SPEC 114-94447	—		
MATERIAL 		WEIGHT —	SIZE A3	CAGE CODE 00779	DRAWING NO C=2301995-1
FINISH 		CUSTOMER DRAWING		SCALE 3:1	SHEET 3 OF 3
				REV A2	RESTRICTED TO —