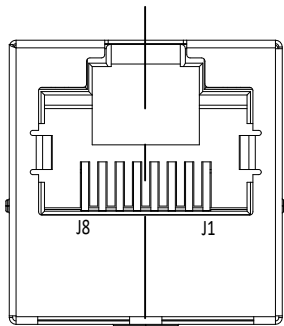
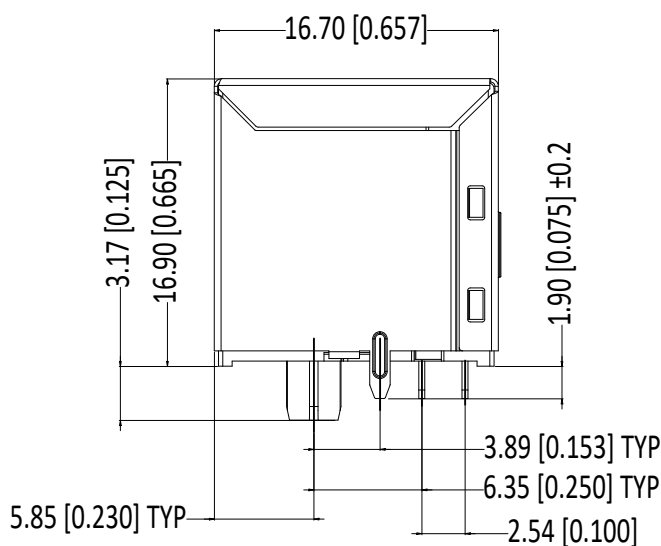
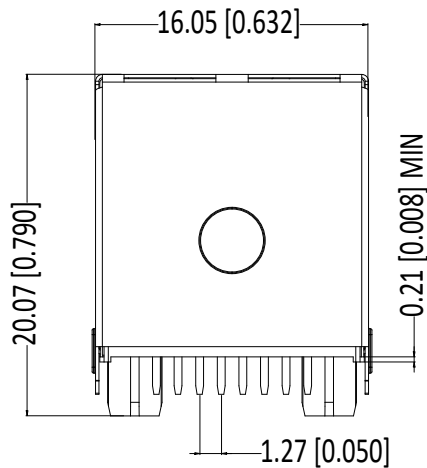
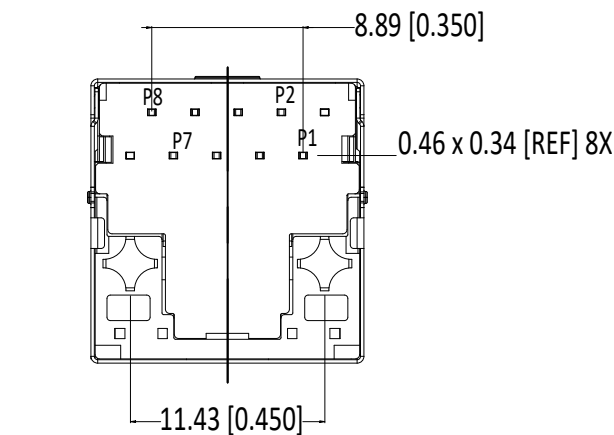
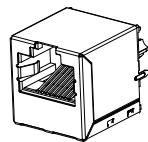


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	BOTTOM SUPPORT BLOCK STRENGTHEN	24JUN2024	SS	JDB



- ⚠️ 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
- ⚠️ 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



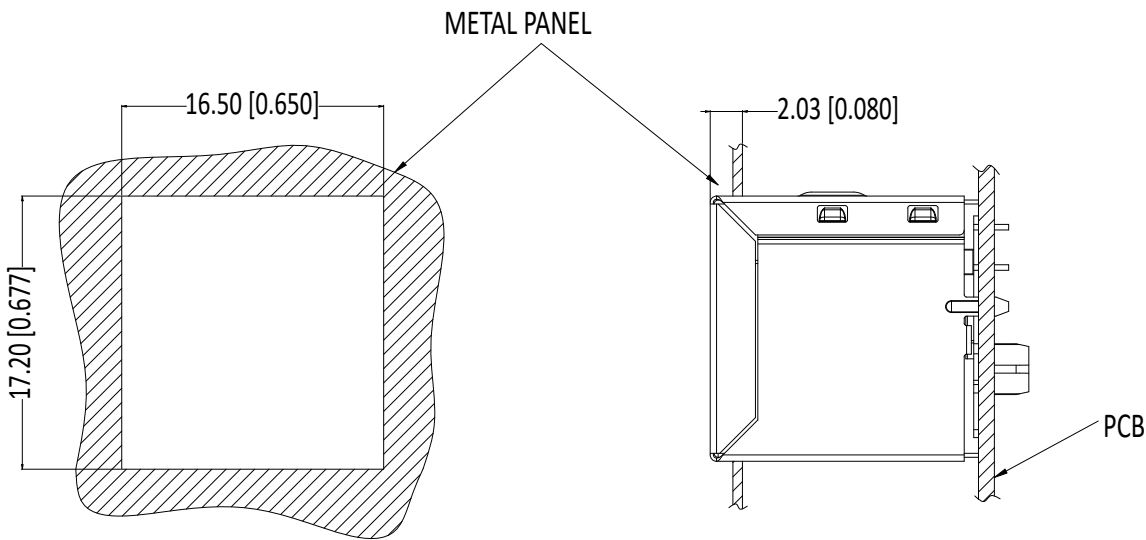
1:1

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

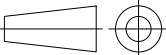
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 10/100 1x1 VERT		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301995-2
MATERIAL ⚠️ 1		FINISH ⚠️ 1	RESTRICTED TO -		
CUSTOMER DRAWING			SCALE 3:1	SHEET 1 of 3	REV A2

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

SUGGESTED PCB LAYOUT

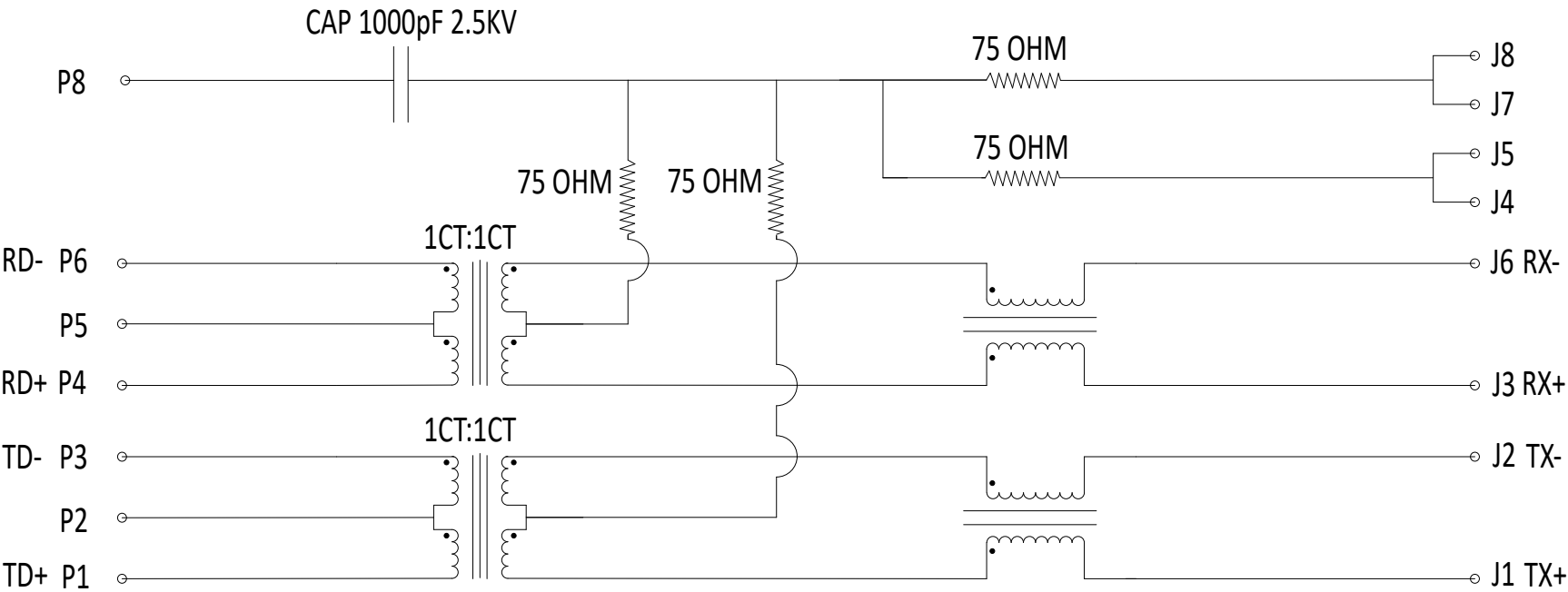


UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004
ONLY FOR THIS VIEW

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. 10/100 1x1 VERT		
	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 	FINISH 	WEIGHT -	CAGE CODE 00779	DRAWING NO C-2301995-2	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 3:1	SHEET 2 OF 3	REV A2

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

ELECTRICAL CIRCUIT DIAGRAM



1. TURN RATIO @100KHz: (P1~P3):(J1~J2) = 1:1±2%
(P4~P6):(J3~J6) = 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 -1.2dB MAX
5. 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)
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

FCC

2301995-2
WWYY-xxxx

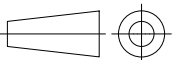
TE

CONTROL CODE

DATE CODE
"0213"

YY-YEAR

WW-WEEK

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016		TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016				
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RJ45 JACK INT.MAG. 10/100 1x1 VERT		
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - 				
MATERIAL 		FINISH 		PRODUCT SPEC 108-94552		RESTRICTED TO —
				APPLICATION SPEC 114-94447		
				WEIGHT —		
CUSTOMER DRAWING				SIZE A3	CAGE CODE 00779	DRAWING NO C-2301995-2
				SCALE 3:1	SHEET 3 OF 3	REV A2