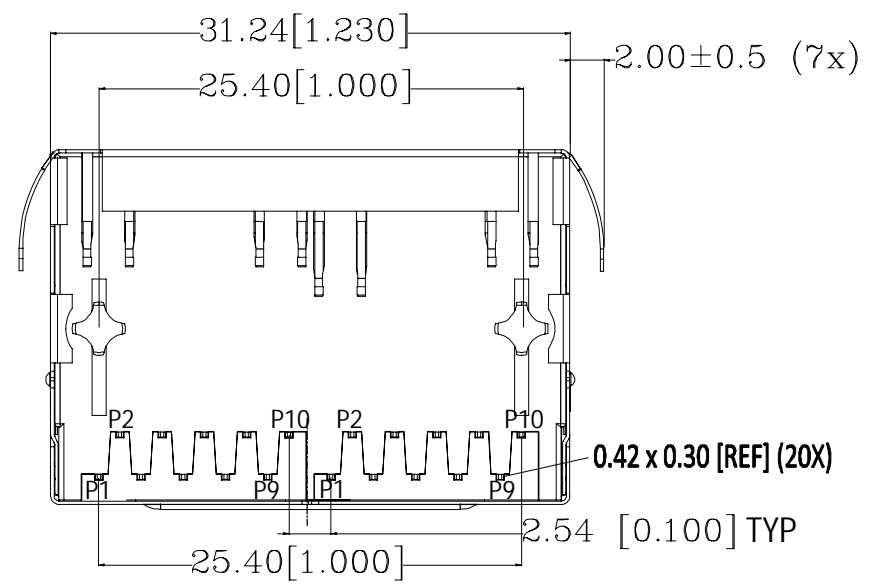


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	CHANGE OF SHELL DESIGN	22NOV2024	KS	LET



- 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. 0.76 μm (30 μinch) IN CONTACT AREA
 OVER MIN. 1.27 μm (50 μinch) NICKEL
 SOLDER PIN PLATING: 3.05 μm (120 μinch) TIN OVER 1.27 μm (50 μinch) NICKEL
 OVER ALL
 SHIELDING PIN PLATING: NICKEL
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL CIRCUIT DIAGRAM FOR OMITTED PINS
 - RJ45 CAVITIY DIMENSION CONFORM TO FCC PART 68
 - THE PART IS RECOMMENDED FOR REFLOW SOLDERING PROCESS PEAK SOLDERING: TEMPERATURE MAX. +260° C, MAX. 10s
 - OPERATING TEMPERATURE: T= -40° C TO +85° C
 - STORAGE TEMPERATURE: T= -40° C TO +85° C
- UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- JACK CONFIGURATION: 1 x 2
TAB DIRECTION: DOWN
 - PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18116

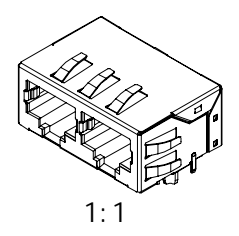
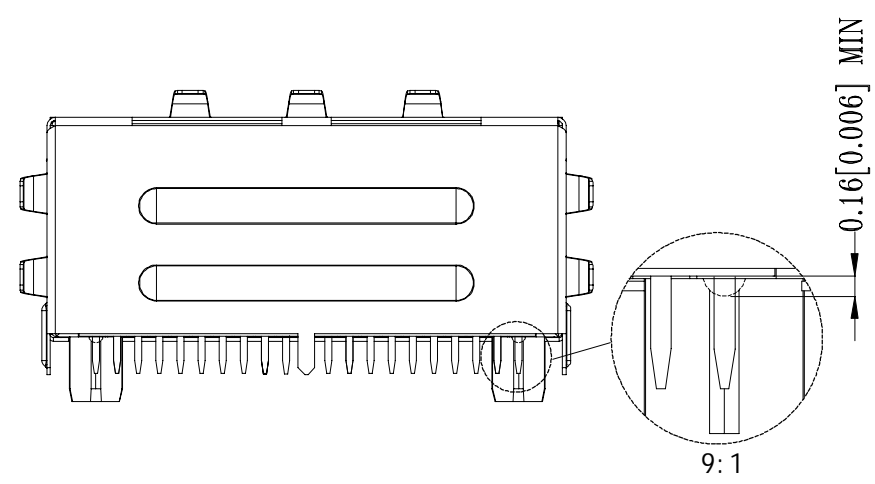
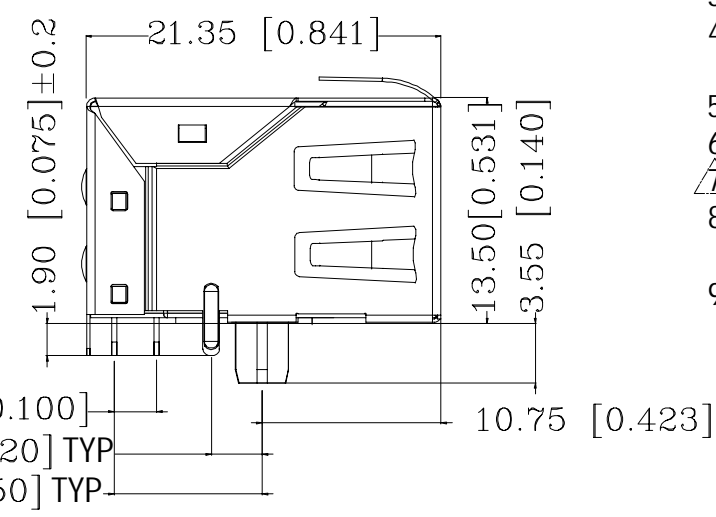
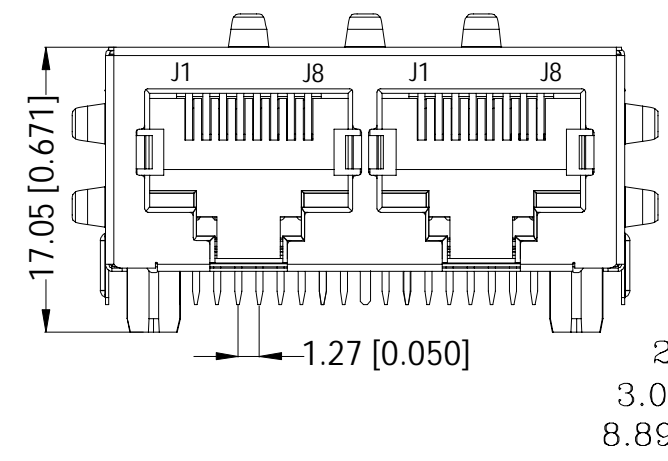


TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	27AUG2016		TE Connectivity
		CHK	27AUG2016		
		APVD	27AUG2016		
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-94552 APPLICATION SPEC 114-94447	
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO RESTRICTED TO A3 00779 C=2301996-4 -	
				WEIGHT - CUSTOMER DRAWING SCALE 3:1 SHEET 1 OF 3 REV A2	

4

3

2

1

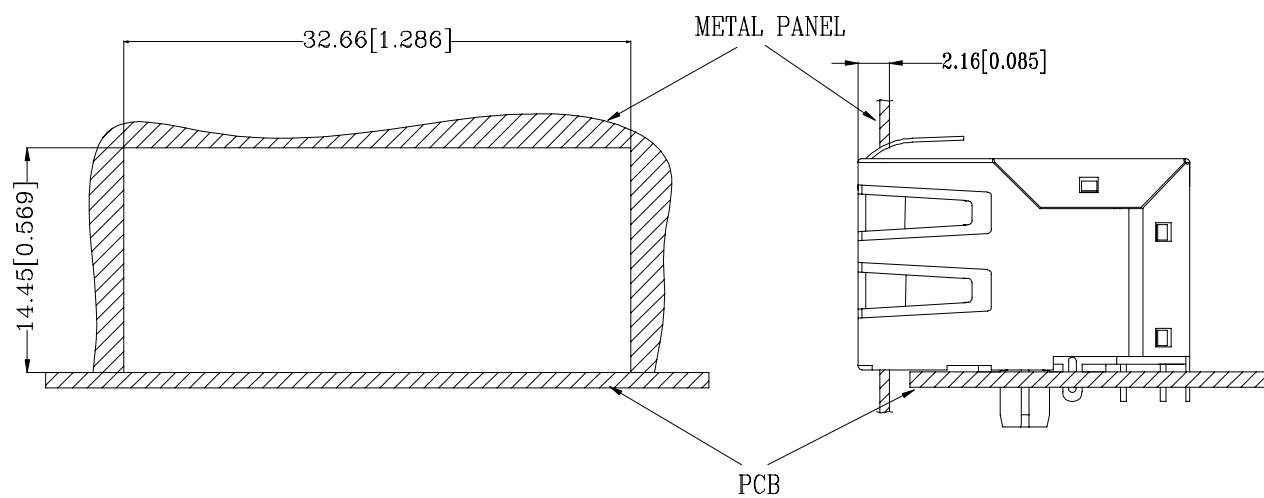
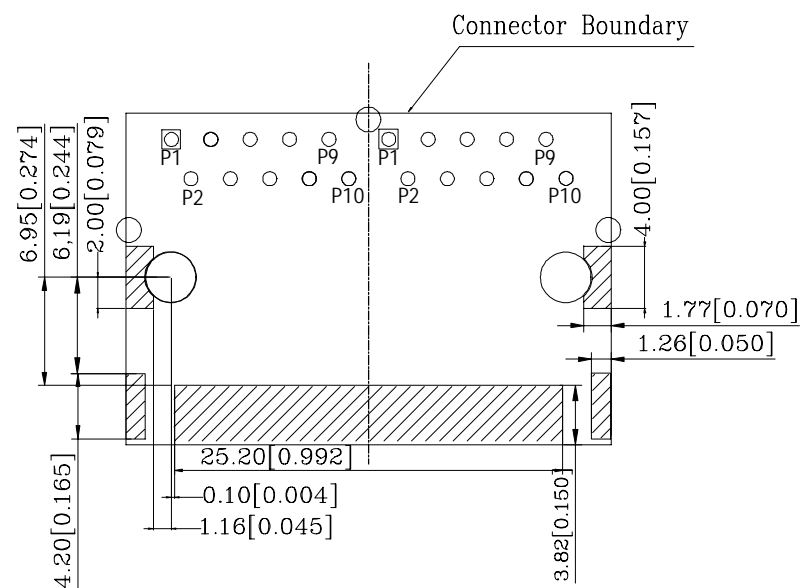
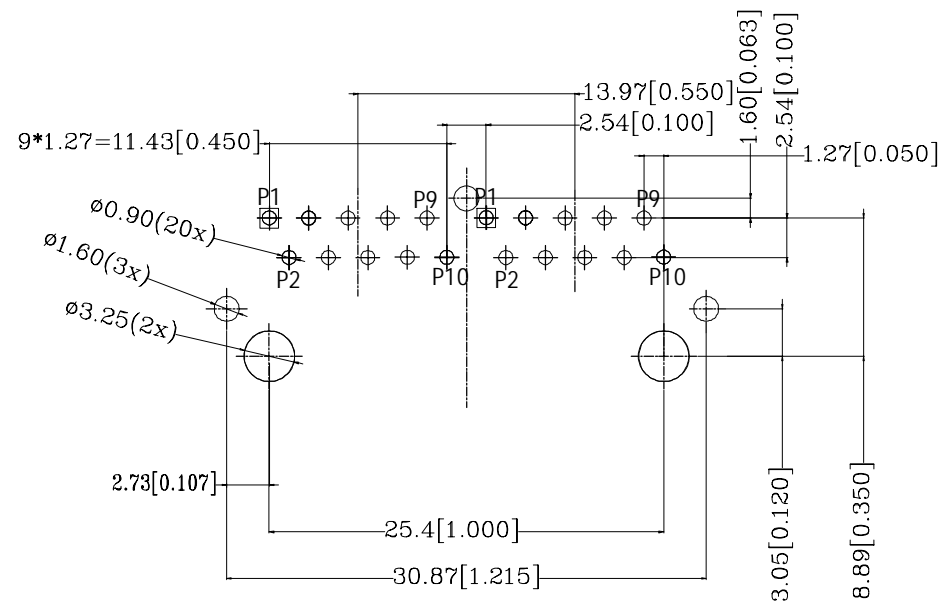
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

REVISIONS

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

SUGGESTED PCB LAYOUT



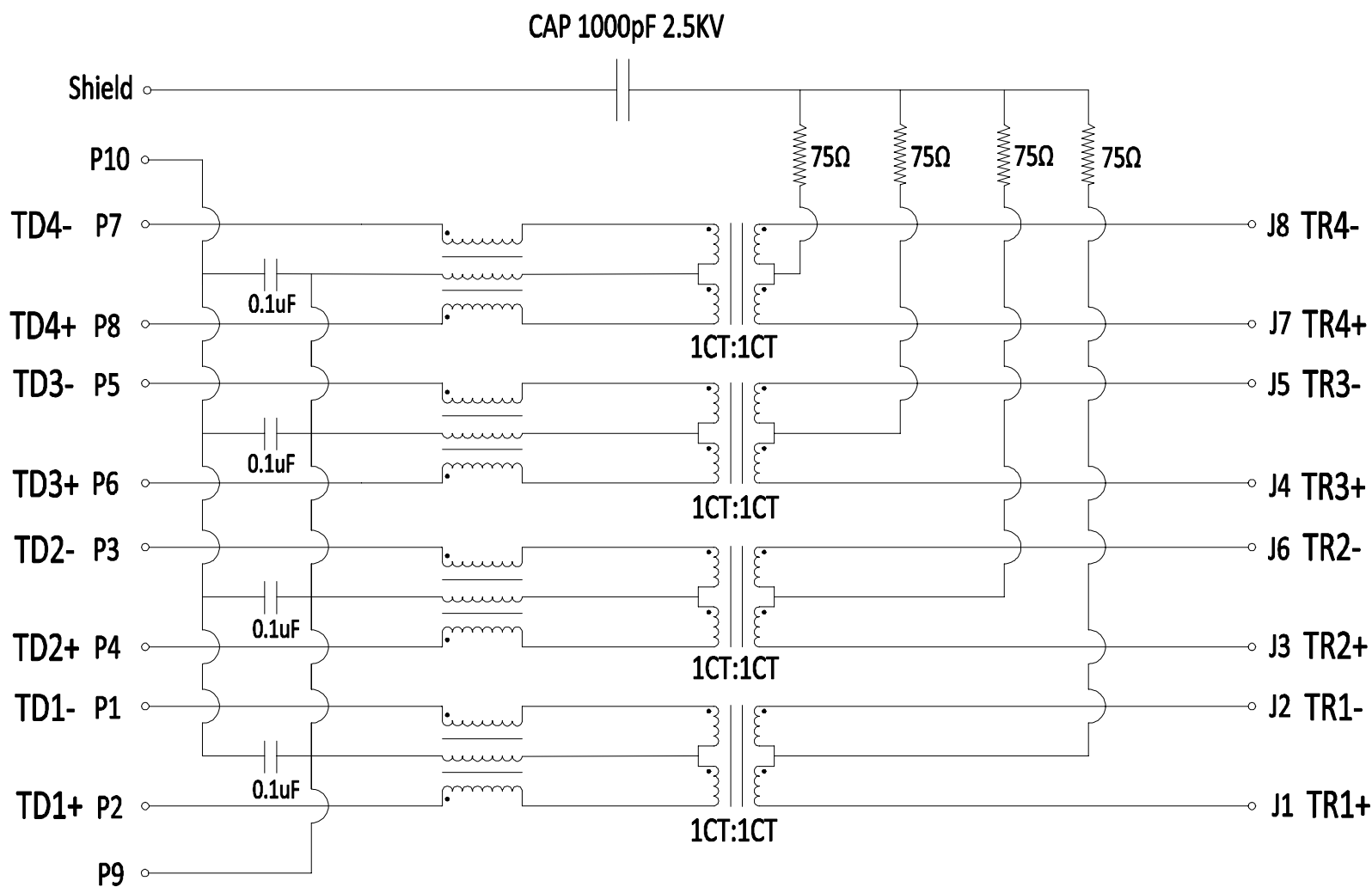
UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004
ONLY FOR THIS VIEW

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	 TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 27AUG2016				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 1Gb 1x2			
0 PLC ± - 1 PLC ± -  2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-94552	RESTRICTED TO			
MATERIAL 		FINISH 	APPLICATION SPEC 114-94447	SIZE A3	CAGE CODE 00779	DRAWING NO C=2301996-4
CUSTOMER DRAWING			WEIGHT 0	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: (P2~P1):(J1~J2) = 1:1±2%
(P4~P3):(J3~J6) = 1:1±2%
(P6~P5):(J4~J5) = 1:1±2%
(P8~P7):(J7~J8) = 1:1±2%
- PRIMARY INDUCTANCE: 350µH MIN. @100kHz, 0.1V 8mA DC BIAS
- DC RESISTANCE: 1.2 OHMS MAX.
- INSERTION LOSS: 1-100MHz -1.0dB MAX.
100-125MHz -1.2dB MAX.
- RETURN LOSS: 1-40MHz -16dB MIN. (@40MHz -17.0dB TYP)
40-100MHz -10dB+20log(f/80MHz) MIN.
(@100MHz -9.0dB TYP)
- CROSS TALK: 1-100MHz -30dB MIN.
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
- ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC

2301996-4
WWYY-xxxx

FCC

CONTROL CODE
DATE CODE
"0213"

YY-YEAR
WW-WEEK

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	TE Connectivity RJ45 JACK INT.MAG. 1Gb 1x2	
DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 27AUG2016		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MARTIN SZELAG 27AUG2016	NAME	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-94552	RESTRICTED TO	
MATERIAL		APPLICATION SPEC 114-94447	SIZE A3	CAGE CODE 00779
FINISH		WEIGHT 0	DRAWING NO C=2301996-4	
CUSTOMER DRAWING		SCALE 3:1		SHEET 3 OF 3
		REV A2		