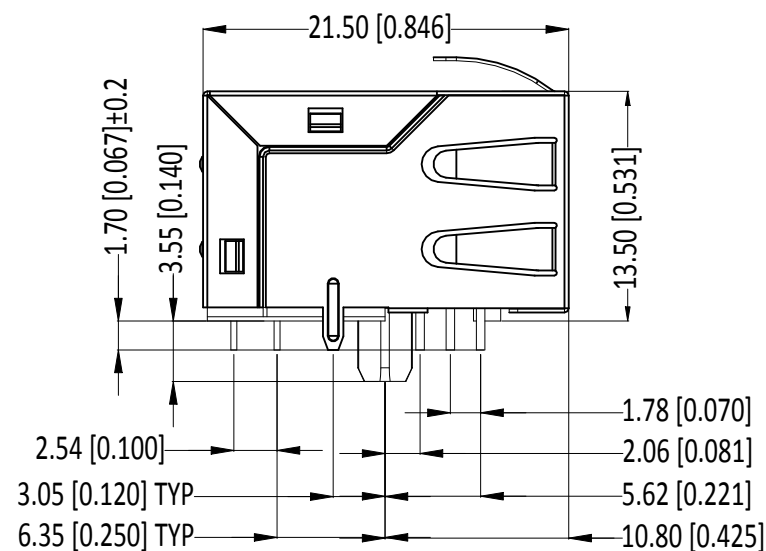
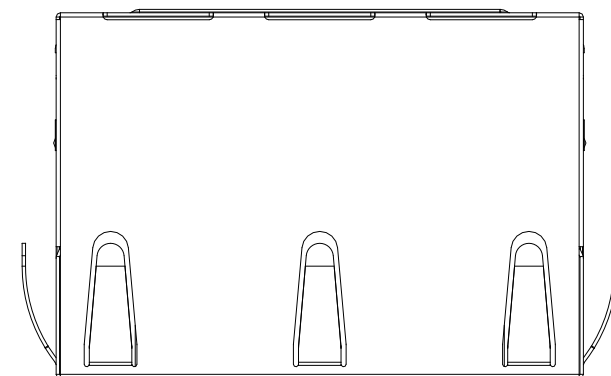
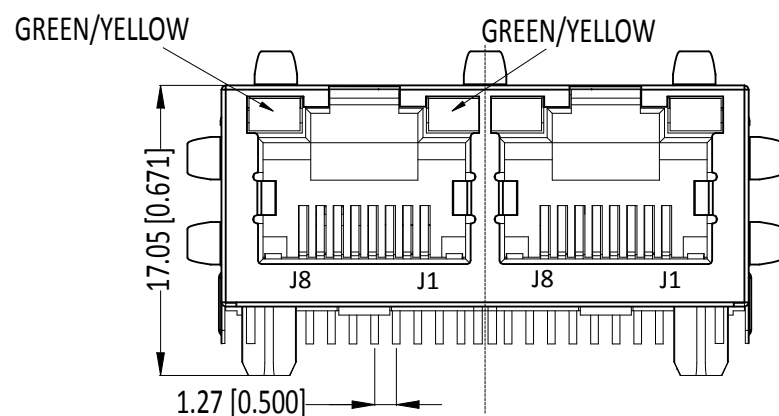
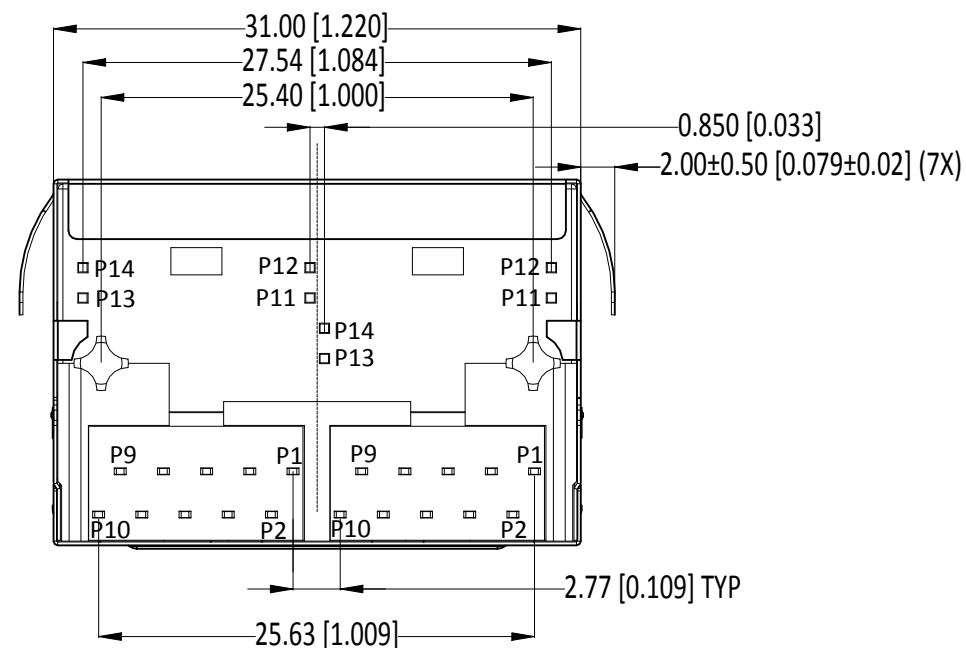


P	LTR	DESCRIPTION	DATE	DWN	APVD
	C2	RETURN LOSS SPECIFICATION CORRECTED	26MAY2021	SS	OW



- 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 2
TAB DIRECTION: UP
- 9 AUTOMATED PLACEMENT: FOR FORCE-FREE ASSEMBLY WITHOUT THE ALIGNMENT
FUNCTION WIDEN TO MIN. 3.40 mm DIAMETER
- 10 PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18116

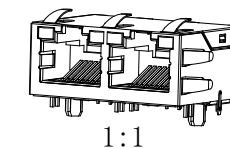
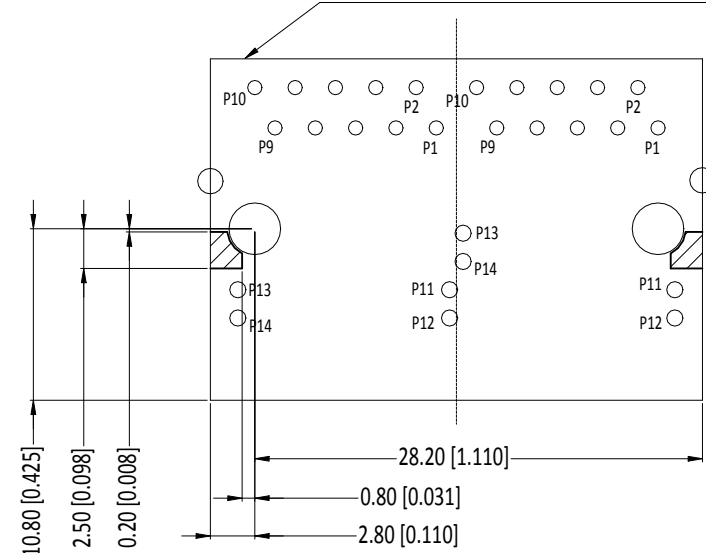
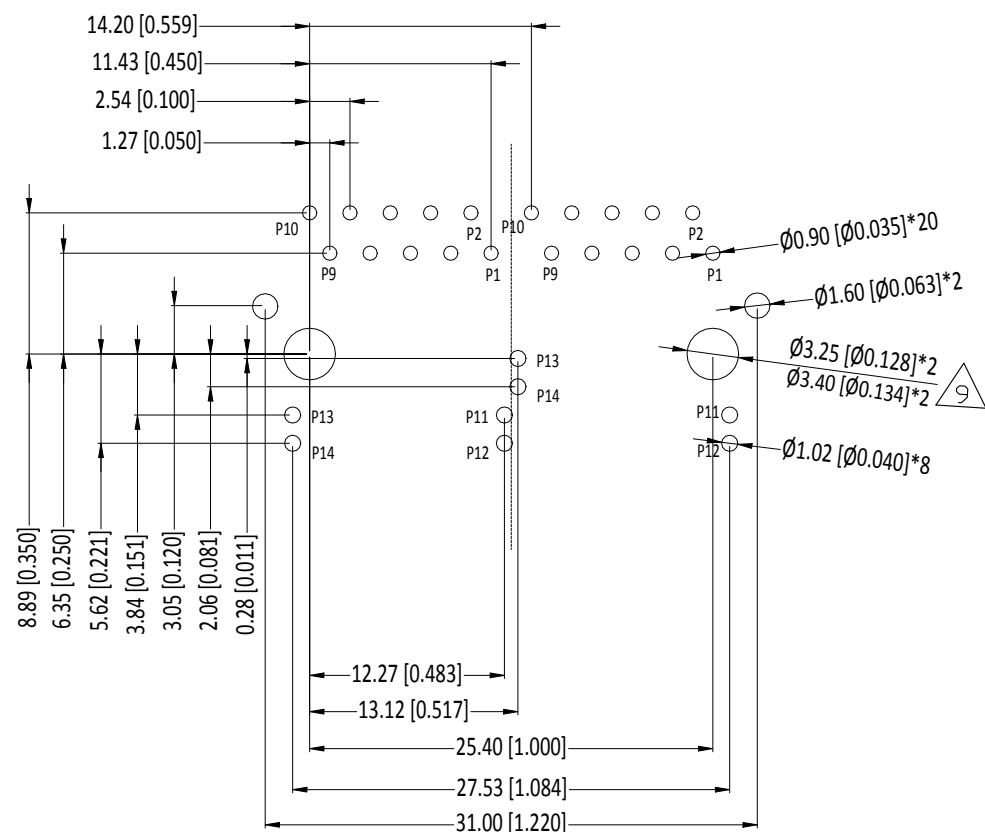


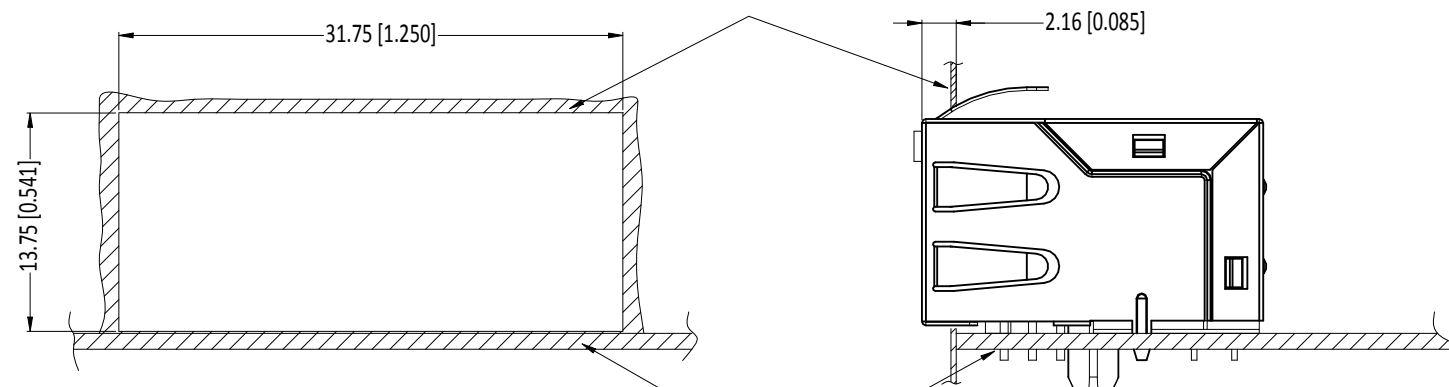
TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 12SEP2016	 TE Connectivity Ltd.		
DIMENSIONS: mm [INCHES]		CHK MARTIN SZELAG 12SEP2016			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD FRANZ MUELLER 12SEP2016	NAME RJ45 JACK INT.MAG. 1Gb LED 1x2 INV.		
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - FINISH		PRODUCT SPEC 108-94552 APPLICATION SPEC 114-94447 WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301996-7
MATERIAL		CUSTOMER DRAWING	SCALE 3:1	SHEET 1 OF 3	REV C2

Connector Boundary

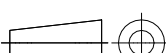


METAL PANEL



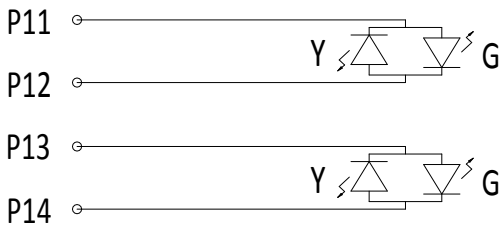
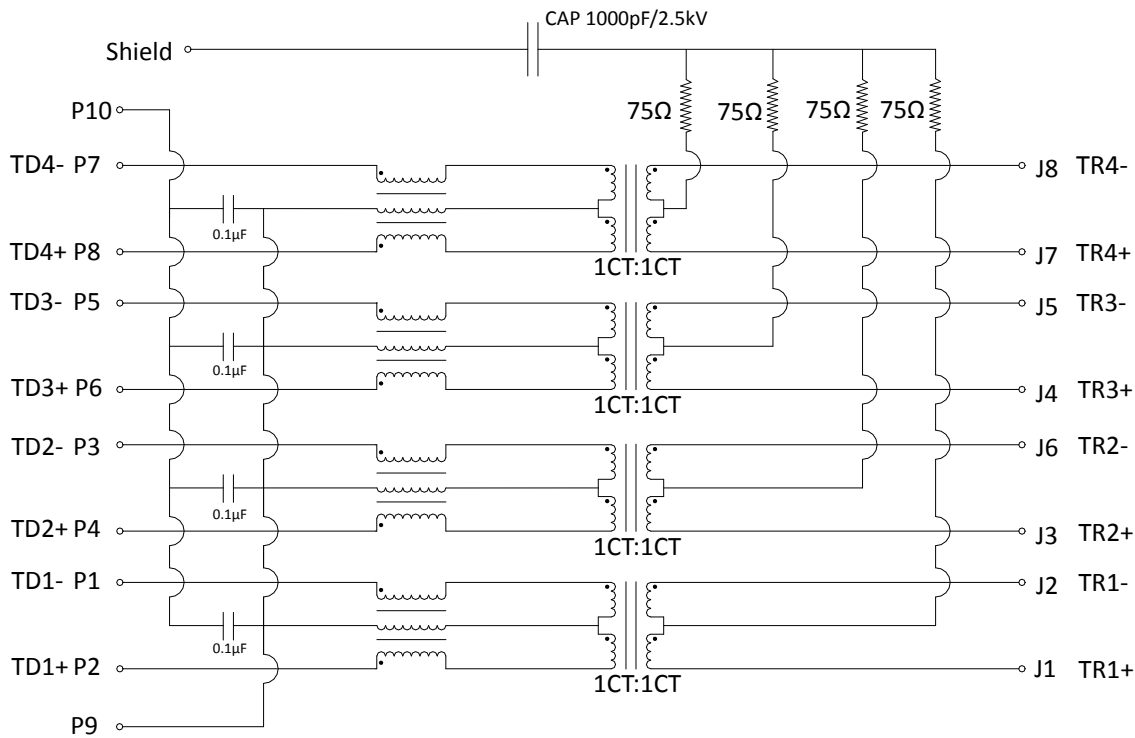
PCB

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 12SEP2016 GANESH C M		 TE Connectivity Ltd.	
		CHK 12SEP2016 MARTIN SZELAG			
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RJ45 JACK INT.MAG. 1Gb LED 1x2 INV.	
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - 			
MATERIAL 		FINISH 		PRODUCT SPEC 108-94552 APPLICATION SPEC 114-94447 WEIGHT - SIZE A3 CAGE CODE 00779 DRAWING NO C-2301996-7 RESTRICTED TO - SCALE 3:1 SHEET 2 OF 3 REV C2	
CUSTOMER DRAWING					

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

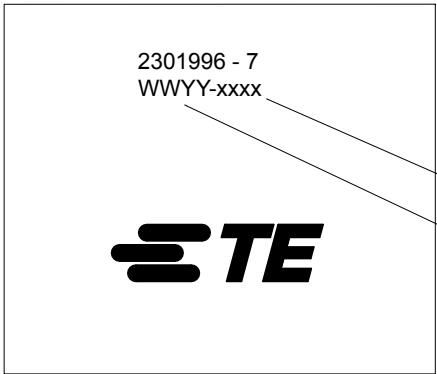
ELECTRICAL CIRCUIT DIAGRAM



PIN	YELLOW	GREEN	PIN	YELLOW	GREEN
P11	—	+	P13	—	+
P12	+	—	P14	+	—

VF = 2.2 V (max. 2.5 V) @IF = 20 mA

- 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.
40-100MHz -10dB+20log(f/80MHz) MIN.
- CROSS TALK: 1-100MHz -30dB MIN.
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
- ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC



2301996 - 7
WWYY-xxxx

CONTROL CODE

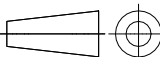
DATE CODE

"0213"

YY-YEAR

WW-WEEK

FCC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 12SEP2016		 TE Connectivity Ltd.			
DIMENSIONS: mm [INCHES]		CHK MARTIN SZELAG 12SEP2016					
	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - 		APVD FRANZ MUELLER 12SEP2016		NAME RJ45 JACK INT.MAG. 1Gb LED 1x2 INV.		
			PRODUCT SPEC 108-94552				
			APPLICATION SPEC 114-94447				
			WEIGHT —				
MATERIAL 	FINISH 		SIZE A3	CAGE CODE 00779	DRAWING NO C-2301996-7	RESTRICTED TO —	
CUSTOMER DRAWING					SCALE 3:1	SHEET 3 OF 3	REV C2

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