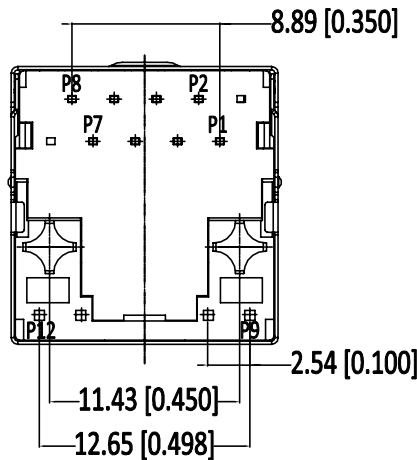
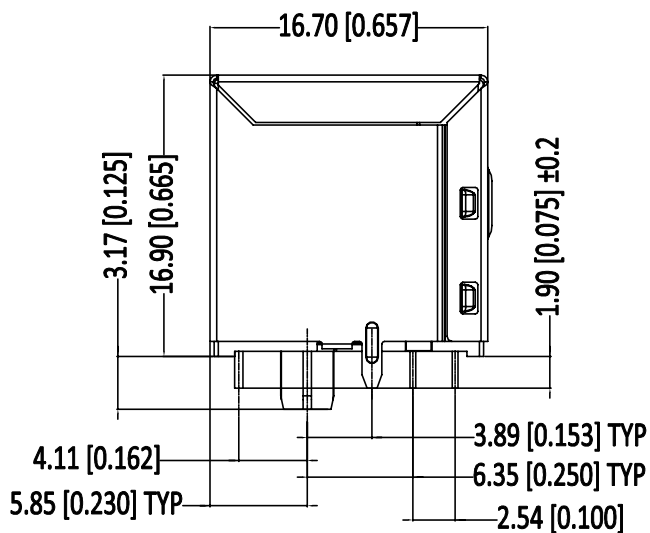
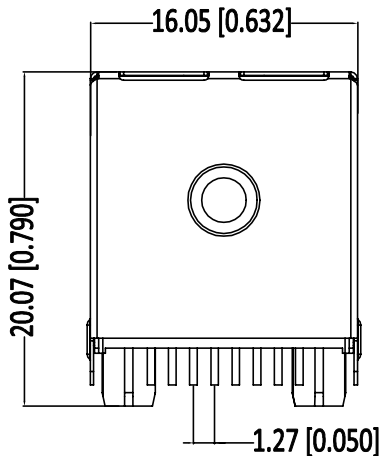


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	RETURN LOSS SPECIFICATION CORRECTED	26MAY2021	SS	OW

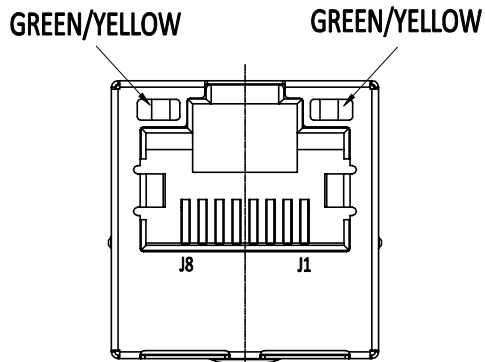
D



C

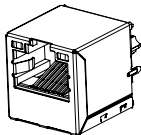


B



A

- 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 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



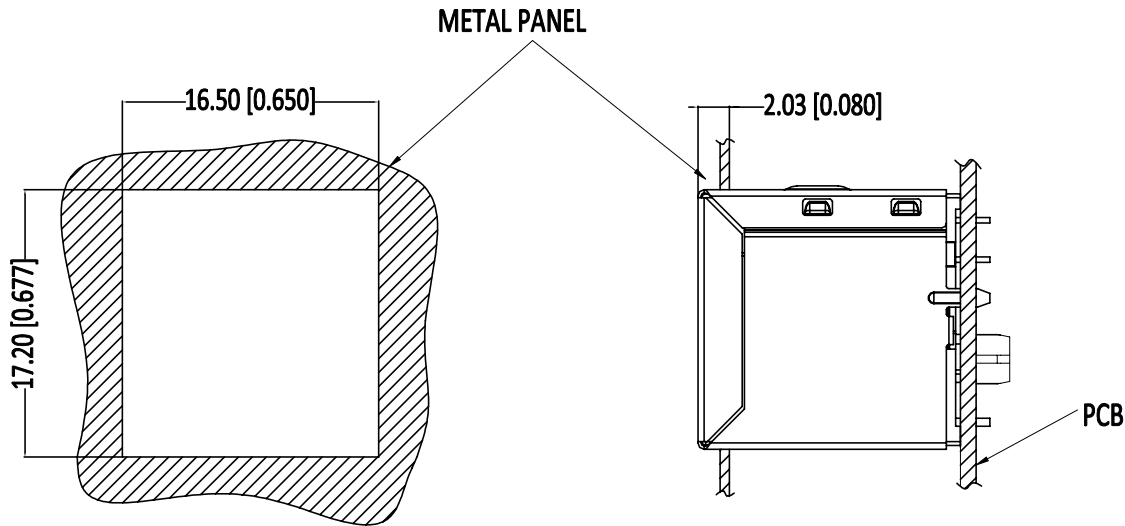
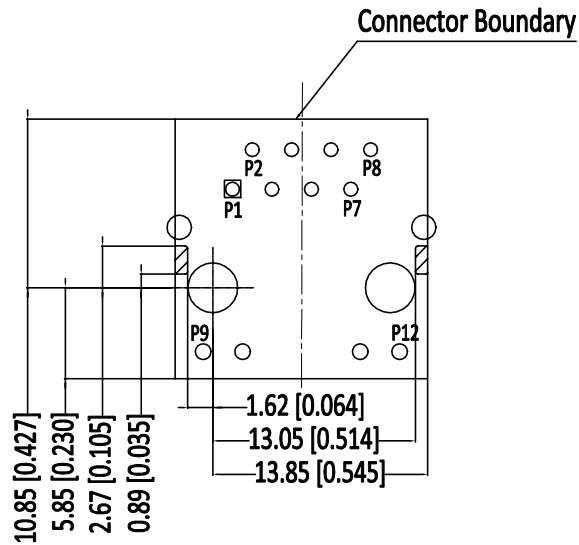
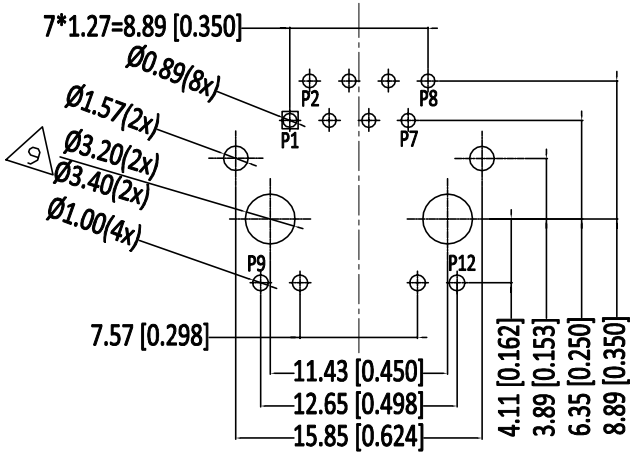
1:1

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

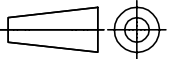
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	 TE Connectivity Ltd.		
		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 10/100 LED 1x1 VERT		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94552			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION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

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

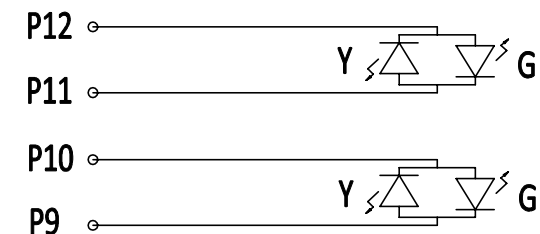
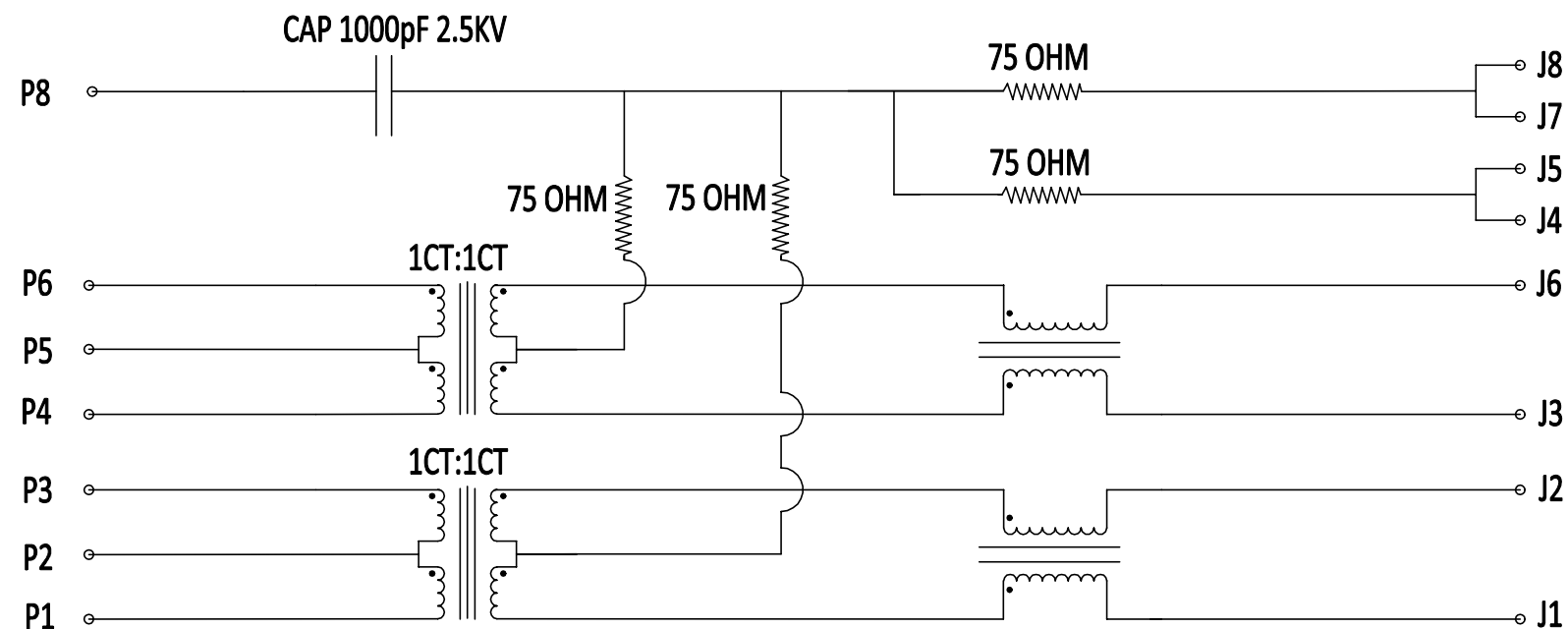
SUGGESTED PCB LAYOUT



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 Ltd.		
		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 10/100 LED 1x1 VERT		
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC 108-94552		
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -	APPLICATION SPEC 114-94447		
MATERIAL 		FINISH 	WEIGHT —		
CUSTOMER DRAWING			SIZE A3	CAGE CODE 00779	DRAWING NO C=2301995-3
			SCALE 3:1	SHEET 2 of 3	REV A2
			RESTRICTED TO —		

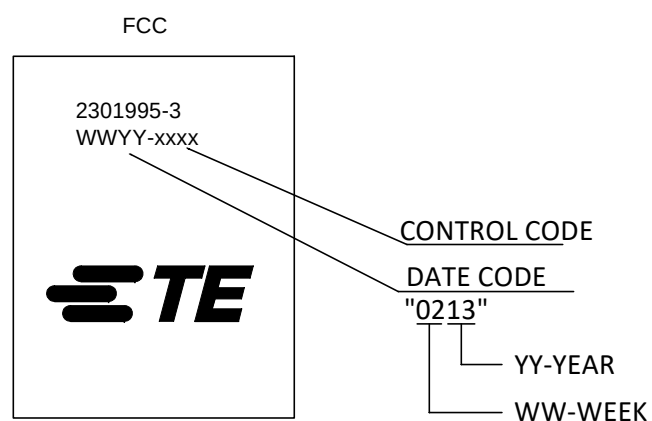
ELECTRICAL CIRCUIT DIAGRAM



Pin	Yellow	Green	Pin	Yellow	Green
P12	—	+	P10	—	+
P11	+	—	P9	+	—

$V_F = 2.2 \text{ V (max. 2.5 V) @ } I_F = 20 \text{ mA}$

1. TURN RATIO @100kHz: (P1~P3):(J1~J2) = 1:1±2%
(P4~P6):(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



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	27AUG2016
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GANESH C M	
CHK	27AUG2016

FRANZ MUELLER
APVD 27AUG2016

APVD 27AUG2016
MARTIN SZELAG

PRODUCT SPEC	
Product Name	Product Description
Product Code	Product Category
Product Price	Product Availability
Product Weight	Product Dimensions
Product Color	Product Material
Product Brand	Product Manufacturer
Product Country	Product Origin
Product Date	Product Version
Product Status	Product Notes

108-94552

APPLICATION SPEC

114-94447

WEIGHT —

CUSTOMER DRAWING

CUSTOMER DRAWING

DWN	27AUG2016
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CHK	27AUG2016
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FRANZ MUELLER
APVD 27AUG2016

APVD 27AUG2016
MARTIN SZELAG

PRODUCT SPEC	
Product Name	Product Description
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Product Country	Product Origin
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Product Status	Product Notes

108-94552

APPLICATION SPEC

114-94447

WEIGHT —

CUSTOMER DRAWING

CUSTOMER DRAWING

TE TE Connectivity Ltd.

NAME	RJ45 JACK INT.MAG. 10/100 LED 1x1 VERT
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SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
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Λ 7 00370 C-2301005 3

A5	00779	G=2301993=3	=
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SCALE	3:1	SHEET	3 OF 3	REV	A2
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	0.1	0	0	0.2
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