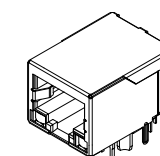
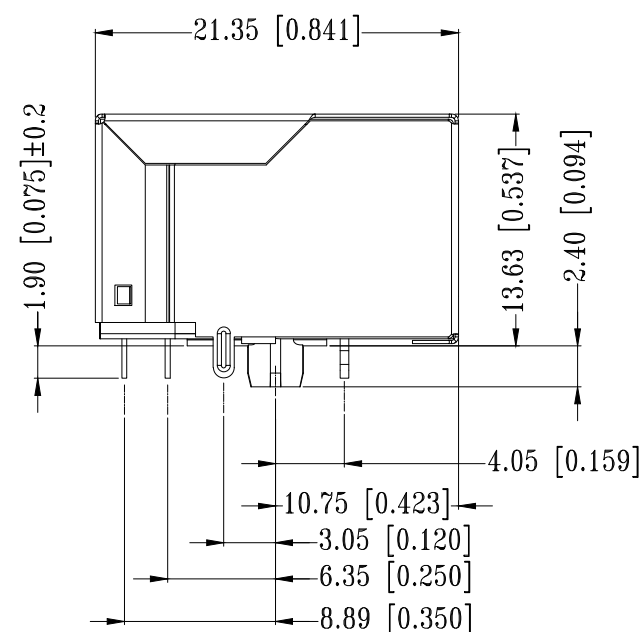
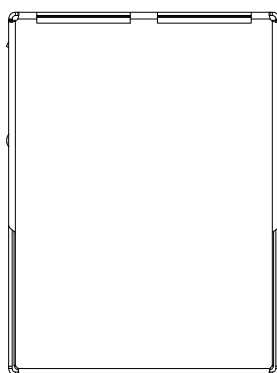
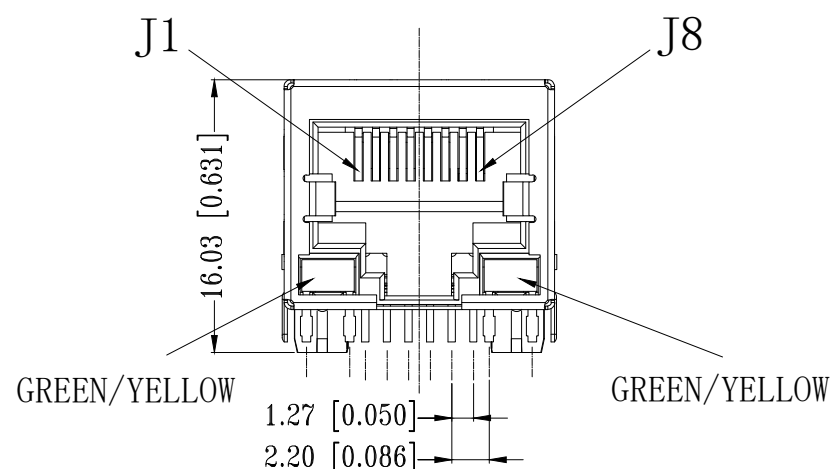
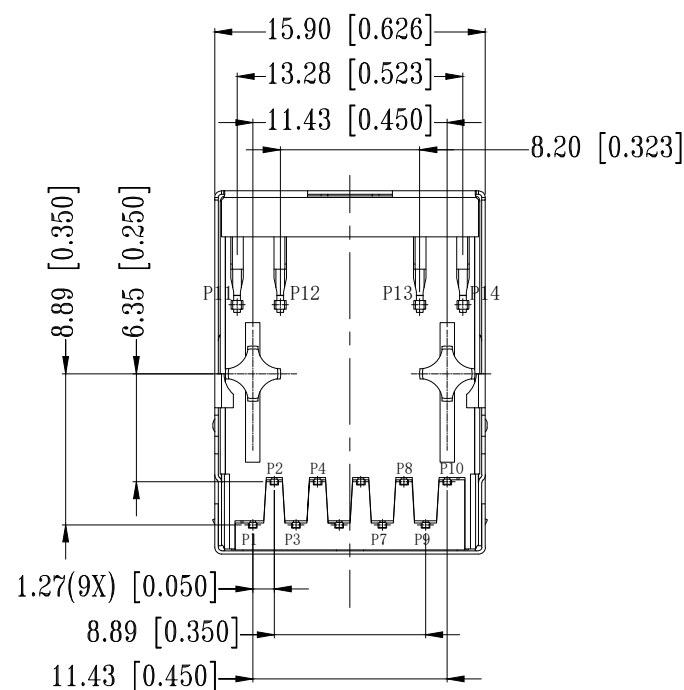




TE Connectivity. All Rights Reserved.

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	NEW RELEASE	03JUL2020	SS	JDB



1:1

- 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. 0.76 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
- 2 PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL CIRCUIT DIAGRAM FOR OMITTED PINS
- 3 RJ45 CAVITY 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: DOWN
- 9 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.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - FINISH
MATERIAL	

DWN	S. SHARMA	03JUL2020
CHK	O. WIBORG	03JUL2020
APVD	J. DE BRUIJN	03JUL2020
PRODUCT SPEC	108-94552	
APPLICATION SPEC	114-94447	
WEIGHT		

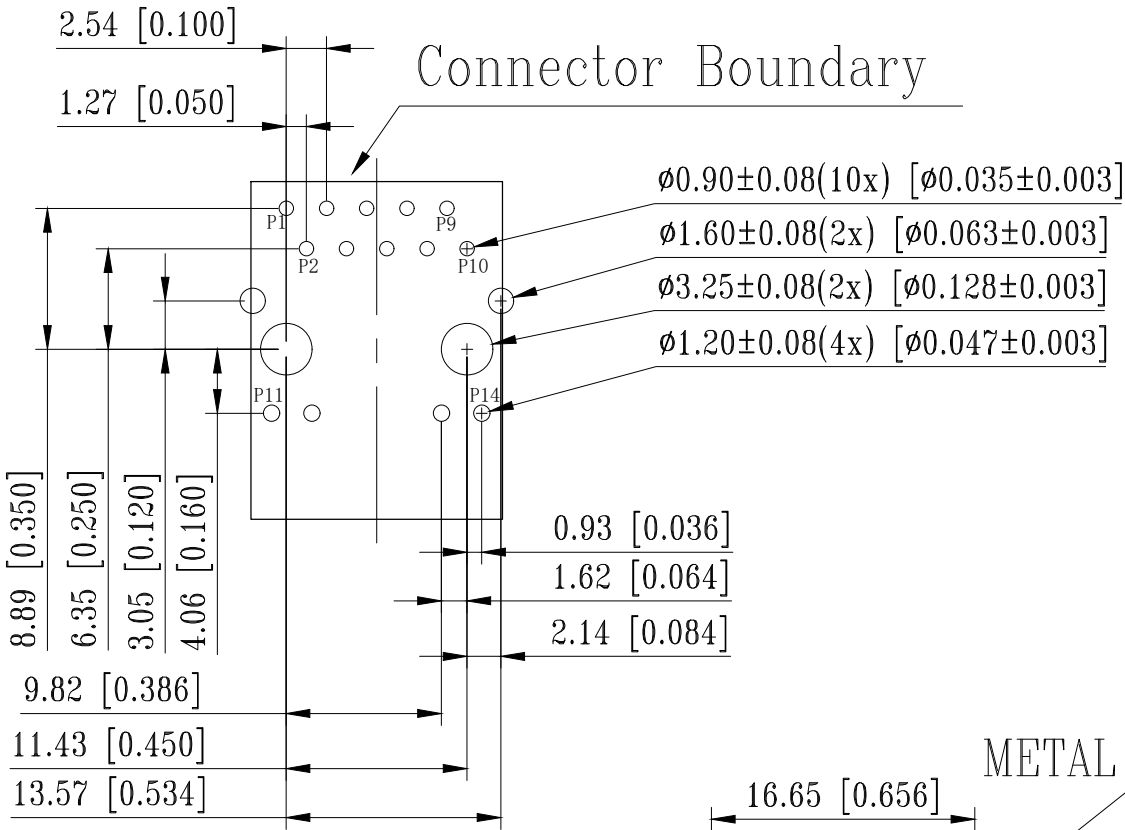


TE Connectivity Ltd.

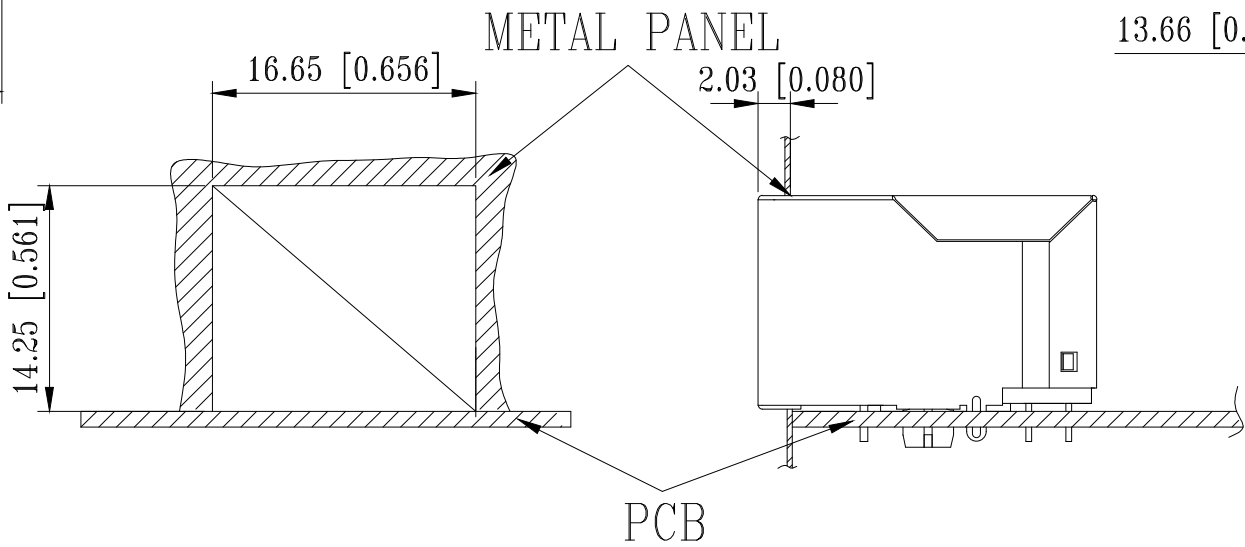
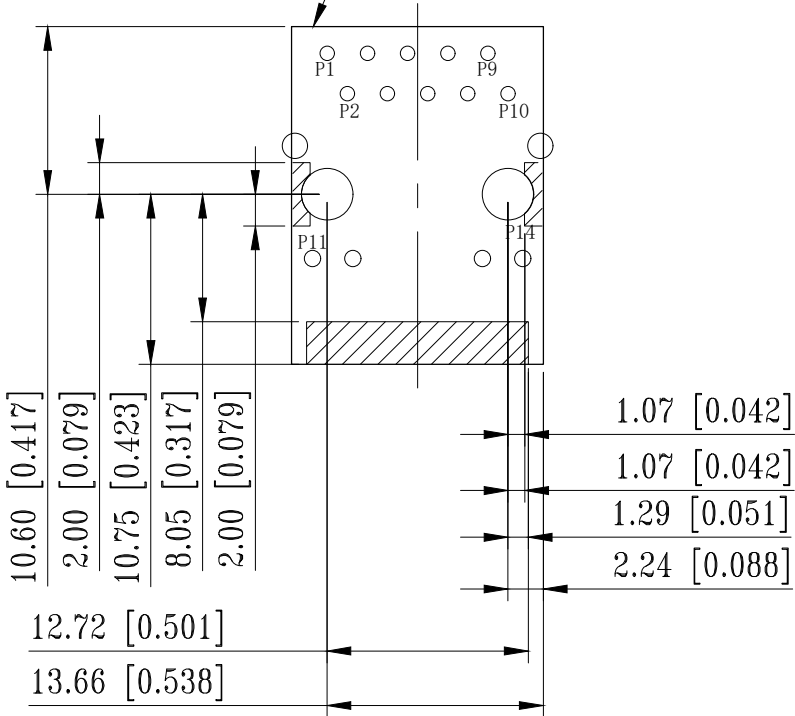
NAME		RJ45 JACK INT.MAG. 1Gb LED 1x1	
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-3-2301994-5	
CUSTOMER DRAWING		SCALE	SHEET
		3:1	1 OF 3
		REV	A1

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

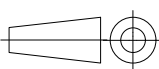
SUGGESTED PCB LAYOUT



Connector Boundary



UNIT: mm / inch
TOLERANCES: ± 0.10 / 0.004

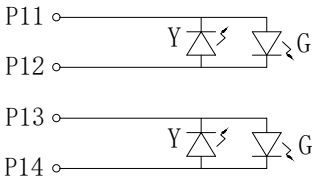
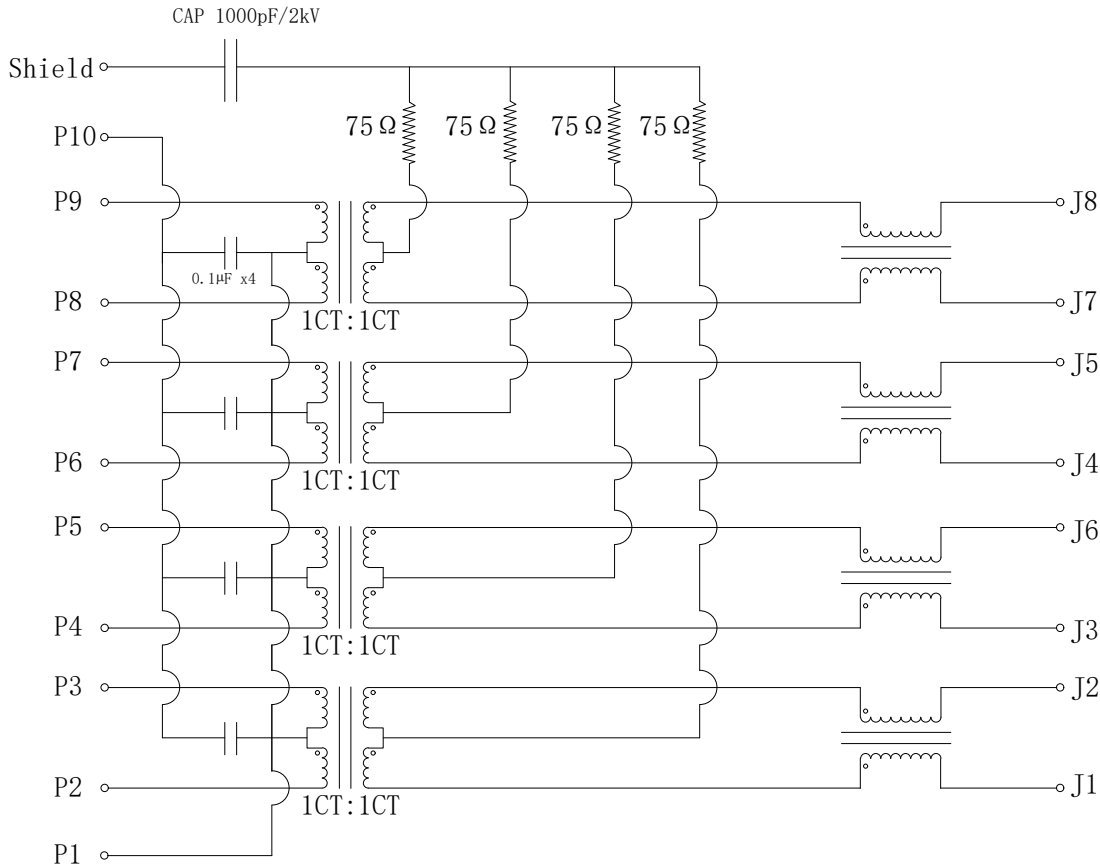
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S. SHARMA 03JUL2020	 TE Connectivity Ltd.		
		CHK O. WIBORG 03JUL2020			
DIMENSIONS: mm [INCHES]		APVD J. DE BRUIJN 03JUL2020	NAME RJ45 JACK INT.MAG. 1Gb LED 1x1		
		PRODUCT SPEC 108-94552	—		
		APPLICATION SPEC 114-94447			
MATERIAL 		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-3-2301994-5
FINISH 		CUSTOMER DRAWING	SCALE 3:1	SHEET 2 of 3	REV A1



REVISIONS

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

ELECTRICAL CIRCUIT DIAGRAM



Pin	Green	Yellow	Pin	Green	Yellow
P11	+	—	P13	+	—
P12	—	+	P14	—	+

- 1.0 Turn Ratio @100kHz: (P2~P3):(J1~J2) = 1:1±2%
(P4~P5):(J3~J6) = 1:1±2%
(P6~P7):(J4~J5) = 1:1±2%
(P8~P9):(J7~J8) = 1:1±2%
- 2.0 Primary Inductance: 350μH MIN. @100kHz, 0.1V 8mA DC BIAS
- 3.0 DC Resistance: 1.2 OHMS MAX.
- 4.0 Insertion Loss: 1–100MHz –1.0dB MAX.
100–125MHz –1.2dB MAX.
- 5.0 Return Loss: 1–40MHz –16dB MIN.
40–60MHz –12dB MIN.
60–80MHz –10dB MIN.
80–100MHz –8dB MIN.
- 6.0 CROSS TALK: 1–100MHz –30dB MIN.
- 7.0 COMMON TO COMMON MODE ATTENUATION: 1–100MHz –30dB MIN.
- 8.0 Isolation: PHY Side to Line Side : 2250VDC



CONTROL CODE
DATE CODE
"0213"
YY-YEAR
WW-WEEK

FCC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S. SHARMA 03JUL2020		TE Connectivity Ltd.				
DIMENSIONS: mm [INCHES]		CHK O. WIBORG 03JUL2020						
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J. DE BRUIJN 03JUL2020		NAME RJ45 JACK INT.MAG. 1Gb LED 1x1			
	0 PLC ± - 		PRODUCT SPEC 108-94552					
	1 PLC ± -		APPLICATION SPEC 114-94447					
	2 PLC ± -		SIZE					
3 PLC ± -		4 PLC ± -		CAGE CODE		DRAWING NO	RESTRICTED TO	
ANGLES ± -		WEIGHT		A300779				
MATERIAL 		FINISH 		C-3-2301994-5				—
CUSTOMER DRAWING				SCALE		SHEET	REV	
				3:1		3 of 3	A1	