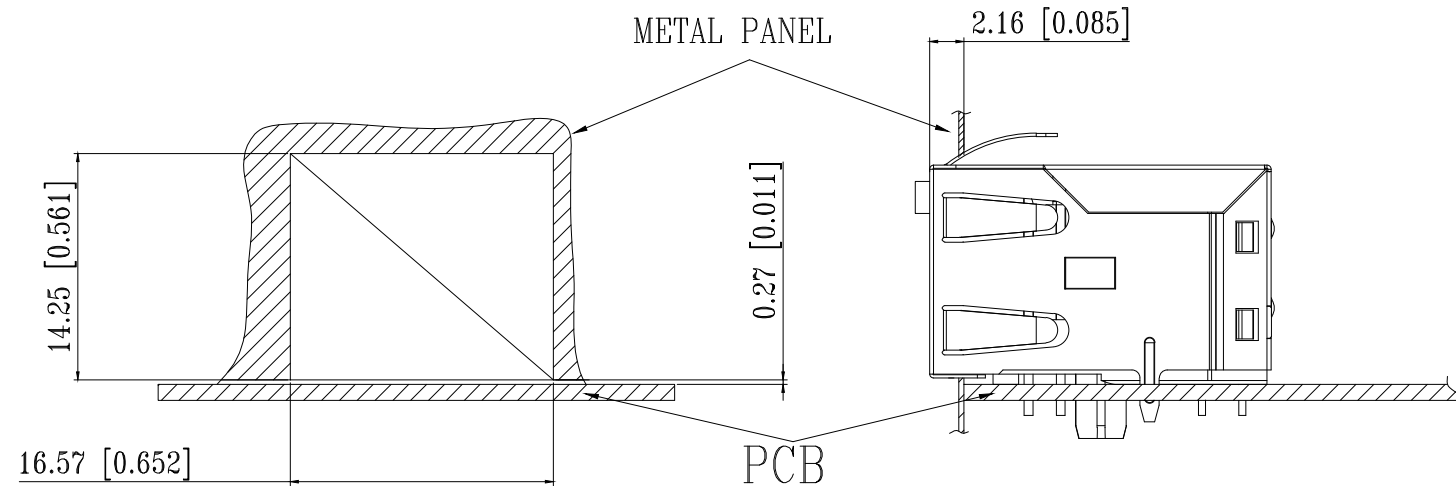
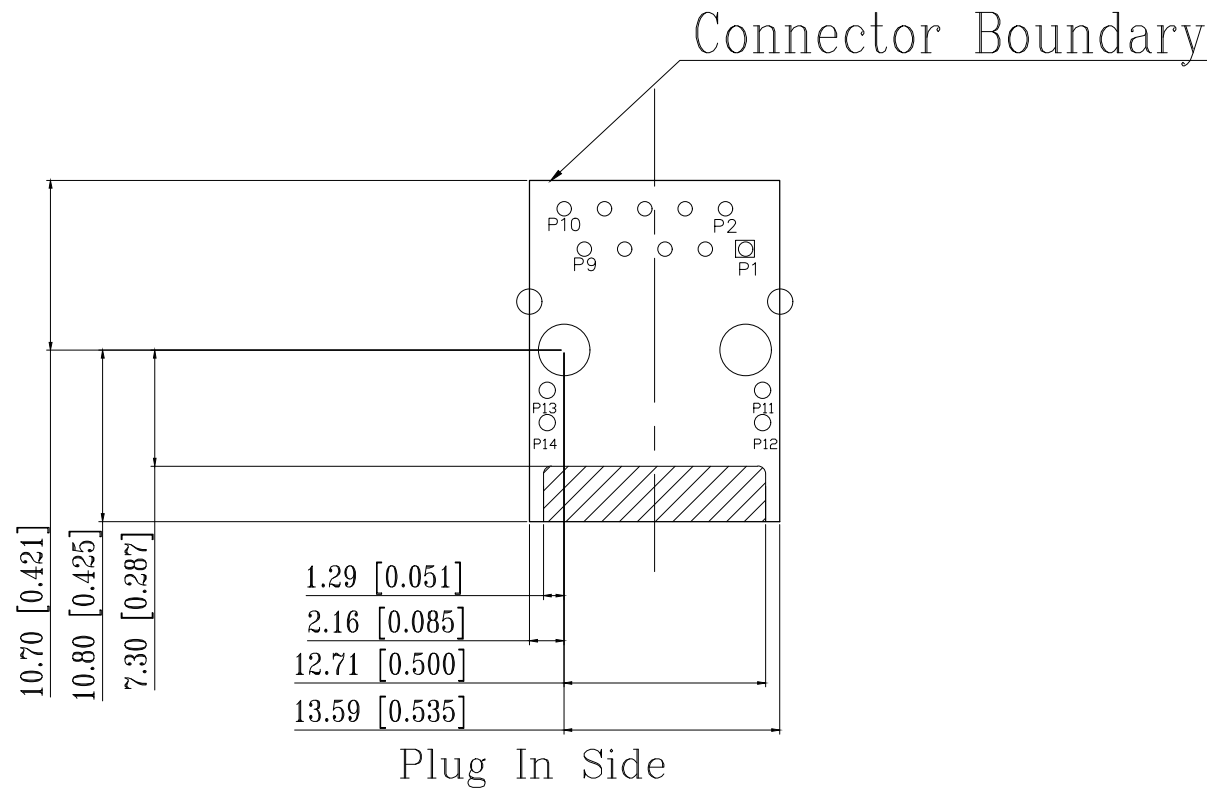
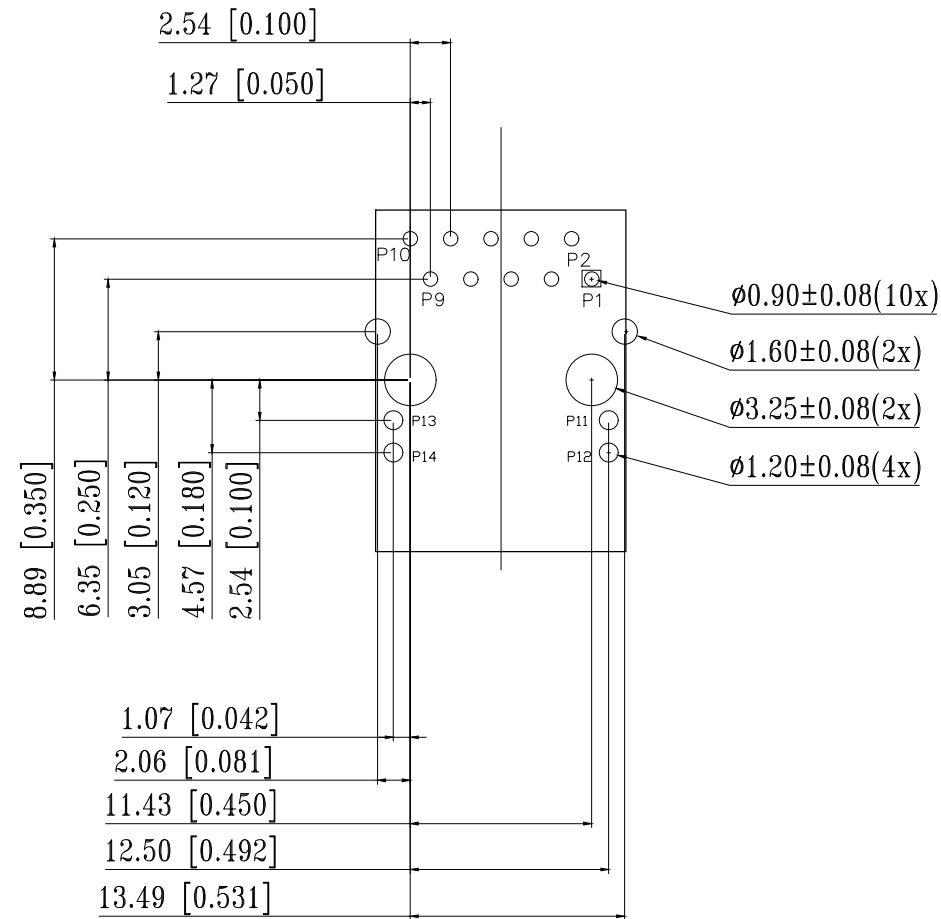


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

SUGGESTED PCB LAYOUT



UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 03DEC2018	 TE Connectivity		
		CHK FRANZ MUELLER 03DEC2018			
		APVD MARTIN SZELAG 03DEC2018	NAME RJ45 JACK INT.MAG. 1Gb LED 1x1 INV.		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94552			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC 114-94447			
MATERIAL		WEIGHT	SIZE A3	CAGE CODE 00779	RESTRICTED TO —
			DRAWING NO C-7-2301994-7		
			SCALE 3:1	SHEET 2 OF 3	REV A

4

3

2

1

THIS DRAWING IS UNPUBLISHED

RELEASED FOR PUBLICATION

— ,2018.

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REVISIONS

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

ELECTRICAL CIRCUIT DIAGRAM

P9

P1

P2

P3

P4

P5

P6

P7

P8

P10

0.1µF

0.1µF

0.1µF

0.1µF

0.1µF

1CT:1CT

1CT:1CT

1CT:1CT

1CT:1CT

J1

J2

J3

J6

J4

J5

J7

J8

75 OHM

75 OHM

75 OHM

75 OHM

CAP 1000pF 2KV

SHIELDING

7-2301994-7

WWYY-xxxx

CONTROL CODE

DATE CODE

"0213"

YY-YEAR

WW-WEEK

FCC

P13

P14

P11

P12

Y

G

Y

G

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

1.0 Turn Ratio @100kHz:

(P1~P2):(J1~J2) = 1:1±2%

(P3~P4):(J3~J6) = 1:1±2%

(P5~P6):(J4~J5) = 1:1±2%

(P7~P8):(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

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

7

1

DWN

GANESH C M

03DEC2018

CHK

FRANZ MUELLER

03DEC2018

APVD

MARTIN SZELAG

03DEC2018

PRODUCT SPEC

108-94552

APPLICATION SPEC

114-94447

WEIGHT

CUSTOMER DRAWING

TE

TE Connectivity

NAME

RJ45 JACK INT.MAG. 1Gb LED 1x1 INV.

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C-7-2301994-7

—

SCALE

3:1

SHEET

3 OF 3

REV

A

1470-19 (1/15)