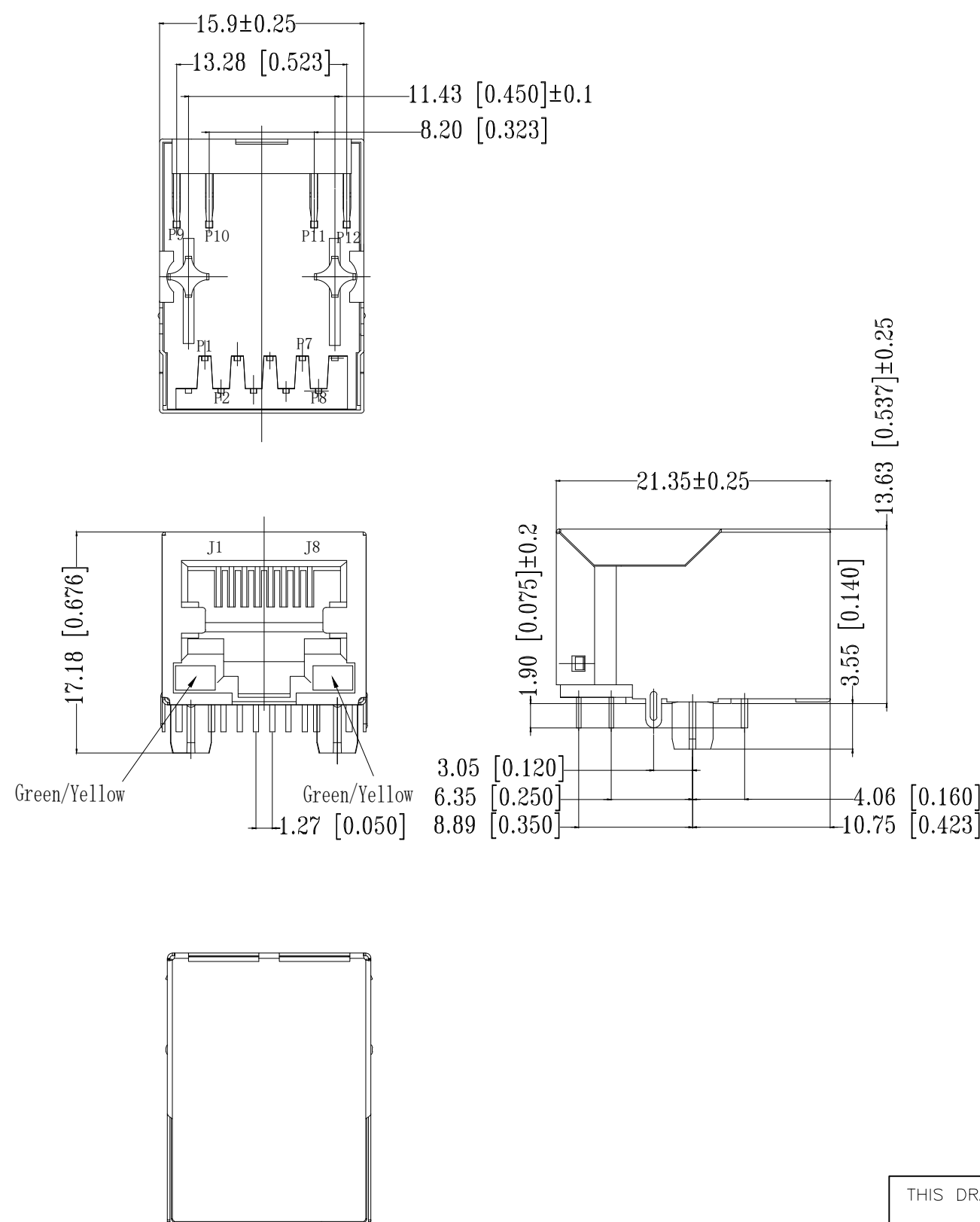


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APV
	A1	NEW RELEASE	11JUN2018	GCM	MS



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 (30 μ inch) IN CONTACT AREA
OVER MIN. 1.27μm (50μinch) NICKEL
SOLDER PIN PLATING: 3.05μm (120μinch) TIN OVER 1.02μm (40μinch) NICKEL
OVER ALL
SHIELDING PIN PLATING: NICKEL

2 PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL CIRCUIT
DIAGRAM FOR OMITTED PINS

3 RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68

4 THE PART IS RECOMMENDED FOR REFLOW SOLDERING PROCESS PEAK
SOLDERING: TEMPERATURE MAX. +260° C, MAX. 10s

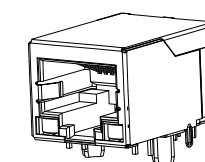
5 OPERATING TEMPERATURE: T= -40° C TO +85° C

6 STORAGE TEMPERATURE: T= -40° C TO +85° C

① UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES

8 JACK CONFIGURATION: 1 x 1
TAB DIRECTION: DOWN

9 PACKAGING: TRAY 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	11 JUN 2015
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GANESH C M

CHK	11JUN2018
-----	-----------

FRANZ MUFLER

APVD	11 JUN 2015
------	-------------

MARTIN SZELAG

PRODUCT SPEC

108-94552

APPLICATION SPEC

114-94447

	1
	WEIGHT

CUSTOMER DRAWING

8	NAME
---	------

RJ45 JACK INT.MAG. 10/100 LED 1x1

	SIZE

A

CAGE CODE	
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300779

E	DRAWING NO.
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9 | C-7-2301994-6

RESTRICTED TO

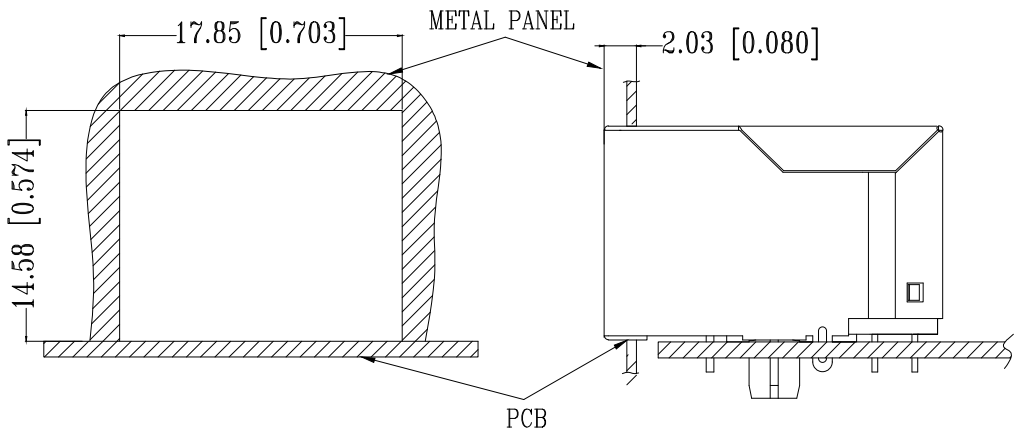
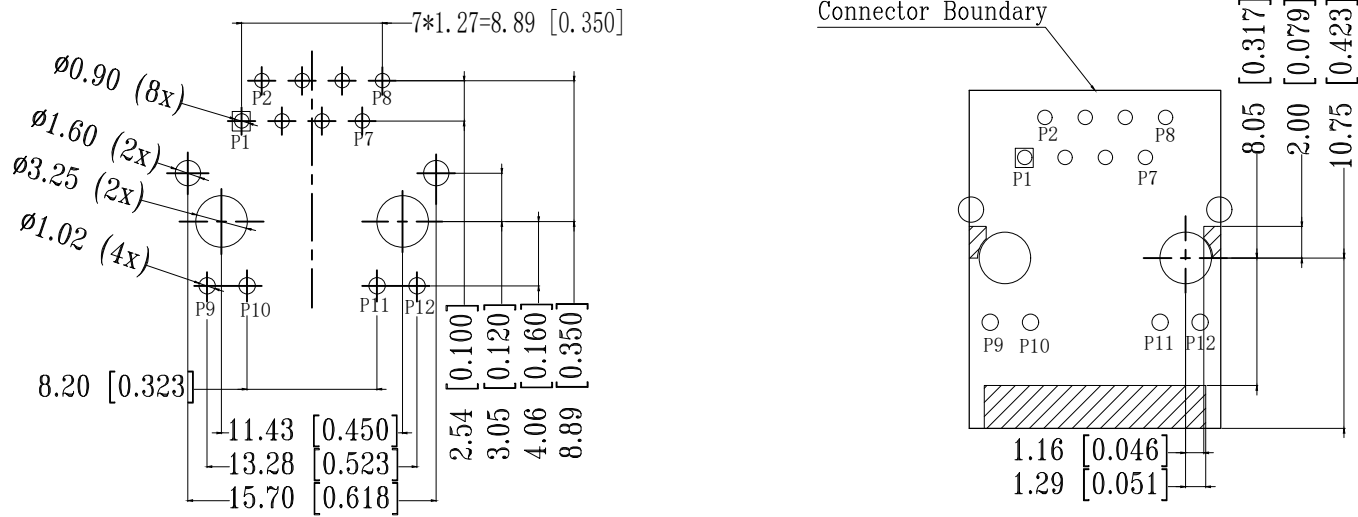
SCALE	3.1
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SHEET 1 OF 4


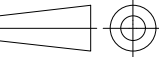
REV	A 1
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SUGGESTED PCB LAYOUT



UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 11JUN2018	 TE Connectivity		
		CHK FRANZ MUELLER 11JUN2018			
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD MARTIN SZELAG 11JUN2018	NAME RJ45 JACK INT.MAG. 10/100 LED 1x1		
		PRODUCT SPEC 108-94552			
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -	APPLICATION SPEC 114-94447	SIZE A3		
		WEIGHT			
MATERIAL 1	FINISH 1	CUSTOMER DRAWING			RESTRICTED TO -
		SCALE 3:1		SHEET 2 of 3	REV A1

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

P8

CAP 1000pF 2KV

75 OHM

75 OHM

75 OHM

75 OHM

J8

J7

J5

J4

J6

J3

J2

J1

P6

P5

P3

P2

P4

P1

1CT:1CT

1CT:1CT

P9

P10

P11

P12

Y

G

Y

G

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

1.0 Turn Ratio @100KHz: (P1~P2):(J1~J2) = 1:1±2%
(P3~P6):(J3~J6) = 1:1±2%

2.0 Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS

3.0 DC Resistance: 1.2 OHMS MAX

4.0 Insertion Loss: 1–100MHz –1.2dB MAX

5.0 Return Loss: 1–30MHz –16dB MIN
30–60MHz –12dB MIN
60–80MHz –10dB 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: 1500VAC or 2250VDC

7-2301994-6

WWYY-xxxx

TE

FCC

CONTROL CODE

DATE CODE

"0213"

YY-YEAR

WW-WEEK

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

MATERIAL

1

DWN 11JUN2018

GANESH C M

CHK 11JUN2018

FRANZ MUELLER

APVD 11JUN2018

MARTIN SZELAG

PRODUCT SPEC

108–94552

APPLICATION SPEC

114–94447

WEIGHT

CUSTOMER DRAWING

TE

TE Connectivity

NAME

RJ45 JACK INT.MAG. 10/100 LED 1x1

—

—

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C-7–2301994–6

—

SCALE

3:1

SHEET

3 of 3

REV

A1

1470–19 (1/15)