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- ,2019.

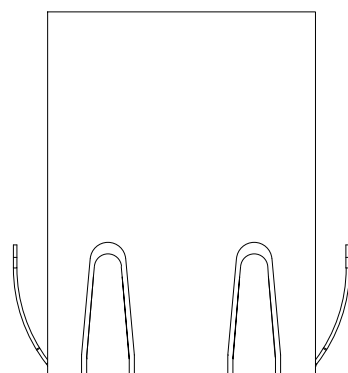
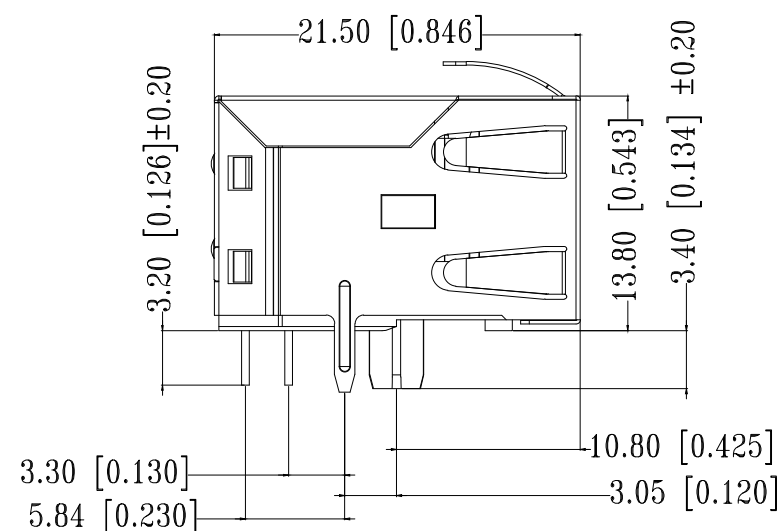
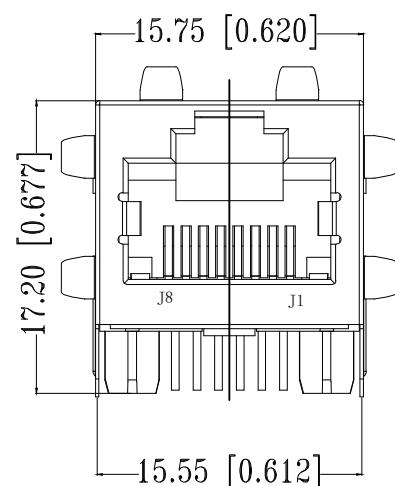
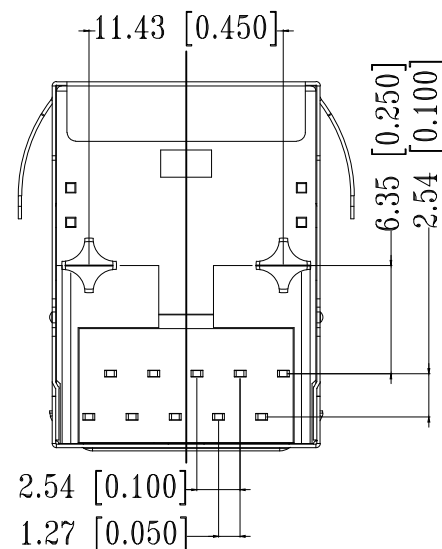


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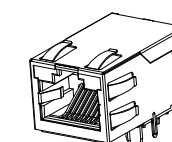
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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	PRELIMINARY RELEASE	24MAY2019	GCM	MSZ



- 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 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
- 4 THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING: TEMPERATURE IS MAX. 260° C ,MAX. 10 s
- 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 PACKING: 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

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DWN 24MAY2019

GANESH C M

CHK 24MAY2019

FRANZ MUELLER

APVD 24MAY2019

MARTIN SZELAG

PRODUCT SPEC

108-94694

APPLICATION SPEC

114-94556

WEIGHT

-

CUSTOMER DRAWING



TE Connectivity

NAME

RJ45 JACK INT.MAG. 1G 1x1

SIZE

A3

CAGE CODE

00779

DRAWING NO

C-2-2301994-8

RESTRICTED TO

-

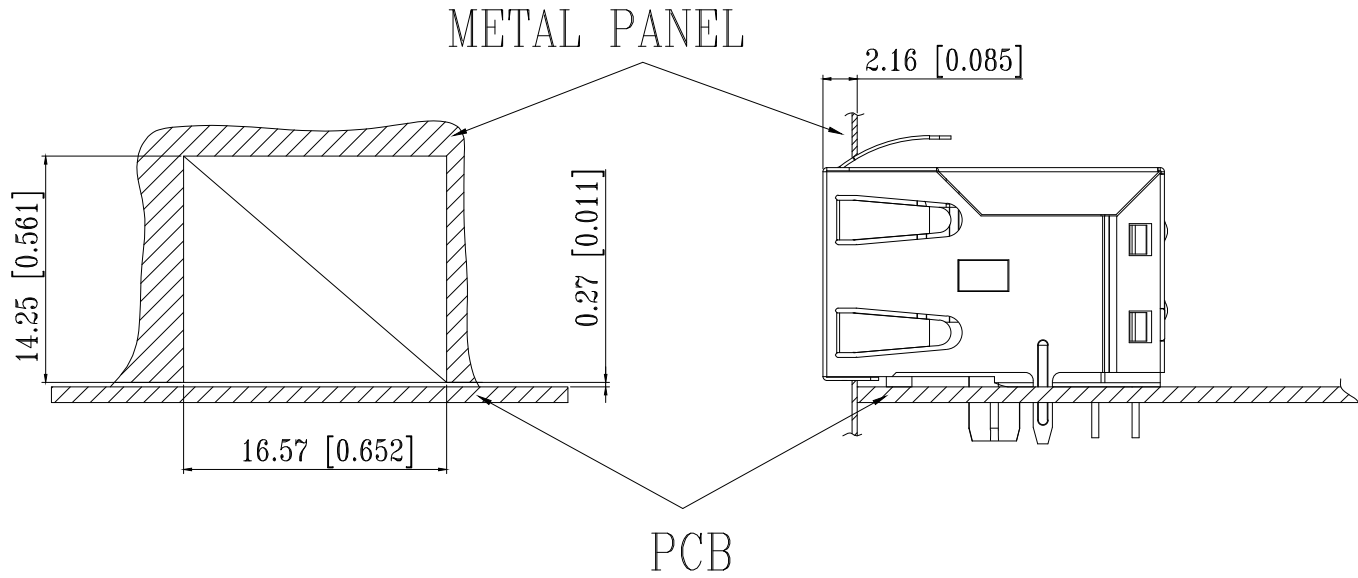
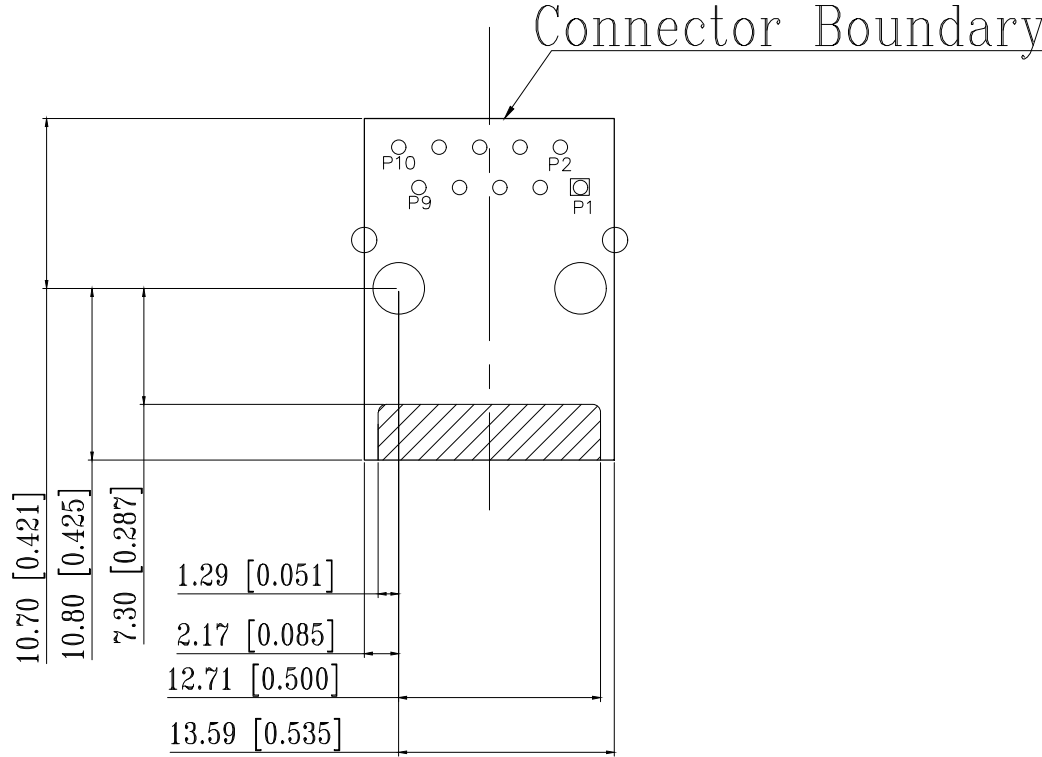
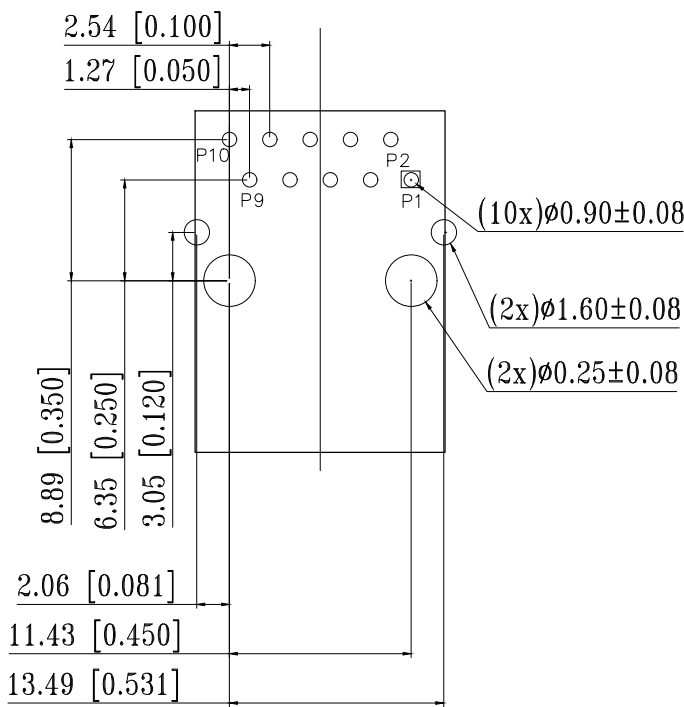
SCALE 3:1

SHEET 1 OF 3


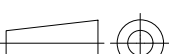



REV A1

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

SUGGESTED PCB LAYOUT

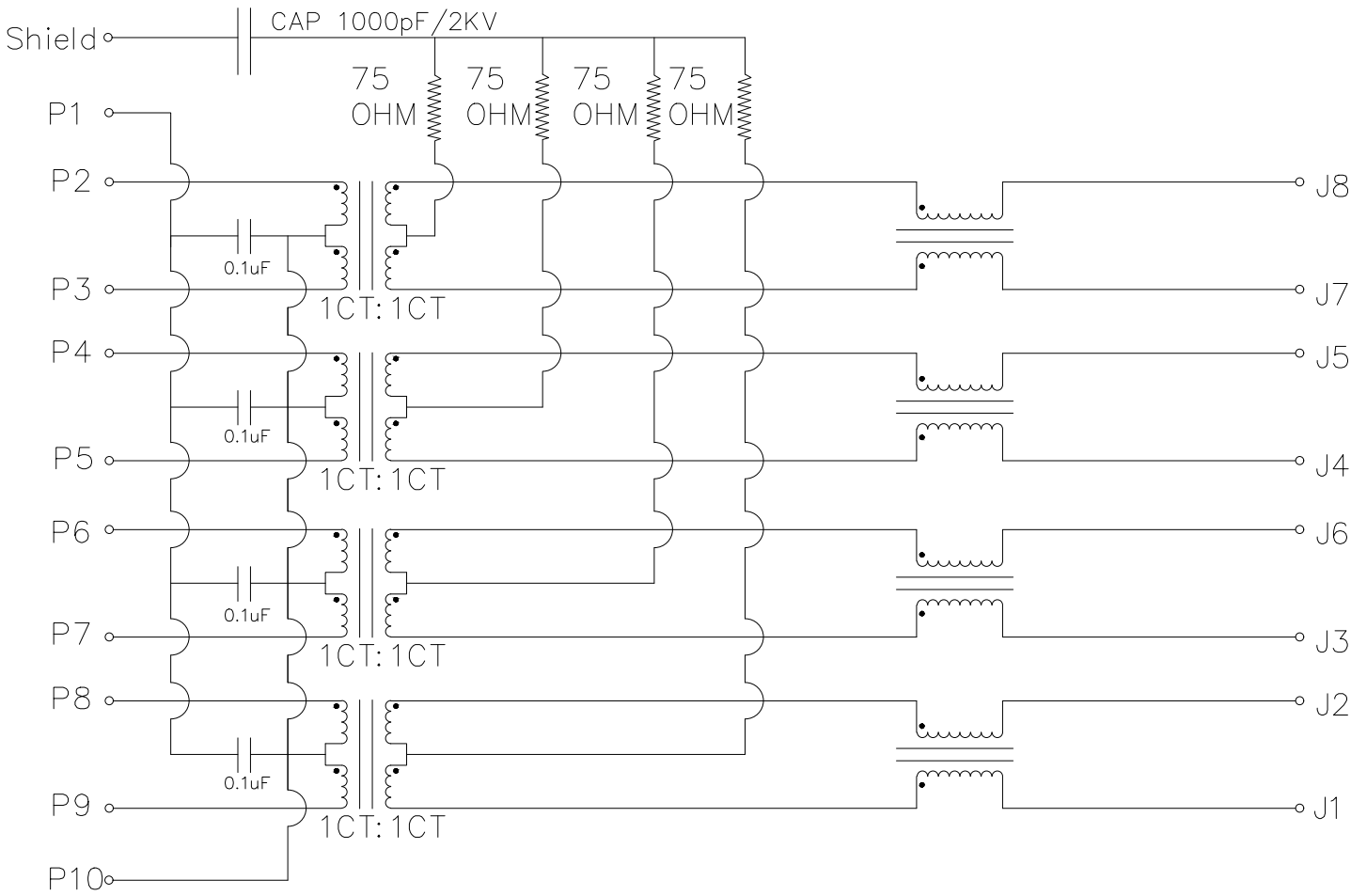


UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 24MAY2019	<div>TE Connectivity</div>		
		CHK FRANZ MUELLER 24MAY2019			
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD MARTIN SZELAG 24MAY2019	NAME RJ45 JACK INT.MAG. 1G 1x1		
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - 	PRODUCT SPEC 108-94694	SIZE A3		
		APPLICATION SPEC 114-94556			
MATERIAL 	FINISH 	WEIGHT 0	DRAWING NO C-2-2301994-8		RESTRICTED TO —
CUSTOMER DRAWING			SCALE 3:1	SHEET 2 OF 3	REV A1

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

ELECTRICAL CIRCUIT DIAGRAM




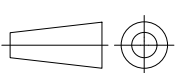


2-2301994-8
WWYY-xxxx

0213

YY-YEAR
WW-WEEK

FCC

- 1.0 Turn Ratio @100KHz: (P9~P8):(J1~J2) = 1:1±2%
(P7~P6):(J3~J6) = 1:1±2%
(P5~P4):(J4~J5) = 1:1±2%
(P3~P2):(J7~J8) = 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 -1.0dB 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.		DWN GANESH C M 24MAY2019		<div>TE Connectivity</div>			
DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 24MAY2019					
	TOLERANCES UNLESS OTHERWISE SPECIFIED: <div>0 PLC ± -</div> <div>1 PLC ± -</div> <div>2 PLC ± -</div> <div>3 PLC ± -</div> <div>4 PLC ± -</div> <div>ANGLES ± -</div>		APVD MARTIN SZELAG 24MAY2019		NAME RJ45 JACK INT.MAG. 1G 1x1		
			PRODUCT SPEC 108-94694				
			APPLICATION SPEC 114-94556				
			WEIGHT 0				
MATERIAL 	FINISH 		SIZE A3	CAGE CODE 00779	DRAWING NO C-2-2301994-8	RESTRICTED TO —	
CUSTOMER DRAWING					SCALE 3:1	SHEET 3 OF 3	REV A1