

4

3

2

1

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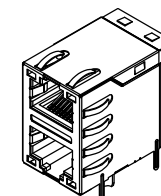
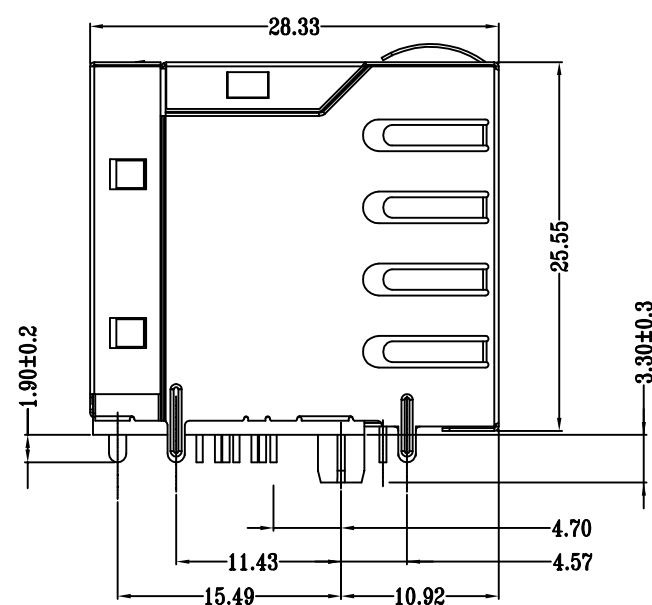
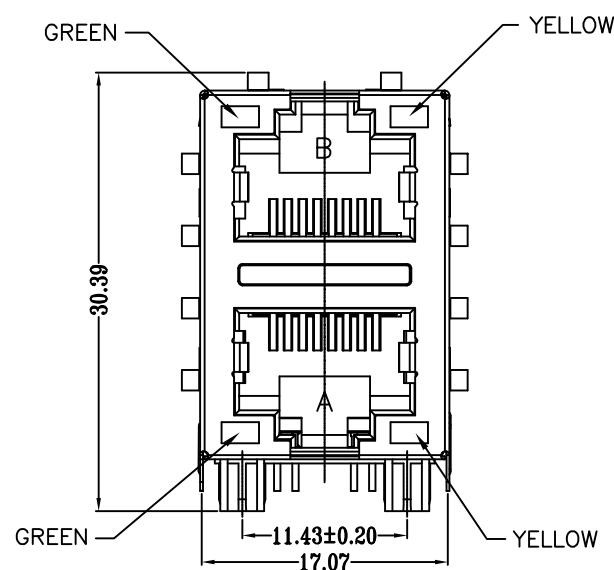
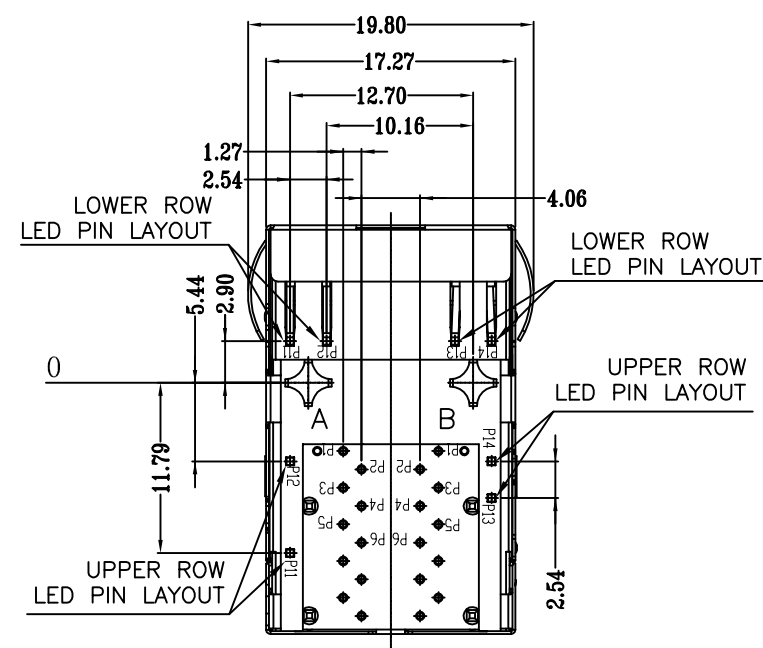


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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B2	REV. PER PCN E-17-002286	28FEB2017	GCM	MSZ



1:1

- △ CONNECTOR MATERIAL:
HOUSING: LCP BLACK UL94 V-0
INSERT: LCP BLACK UL94 V-0
SHIELD: BRASS
SHIELD PLATING: NICKEL
CONTACT: COOPER ALLOY
CONTACT PLATING: SELECTIVE GOLD, MIN. 0.76 μm (30 μ inch) IN CONTACT AREA
OVER MIN. 1.27 μm (50 μ inch) NICKEL
SOLDER PIN PLATING: 3.05 μm (120 μ inch) TIN OVER 1.02 μm (40 μ inch) 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 IS MAX. +260° C, MAX. 10s
- 5 OPERATING TEMPERATURE T = -40° C TO +85° C.
- 6 STORAGE TEMPERATURE T = -40° C TO +85° C.
- △ UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- 8 JACK CONFIGURATION: 2 x 1
TAB DIRECTION: UP/DOWN
- 9 PACKAGING: TRAY 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

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DWN 02AUG2016
GANESH C MCHK 02AUG2016
FRANZ MUELLERAPVD 02AUG2016
MARTIN SZELAG

PRODUCT SPEC

108-94552

APPLICATION SPEC

114-94447

WEIGHT

CUSTOMER DRAWING



TE Connectivity

NAME
RJ45 JACK INT.MAG. 10/100 LED 2x1

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A3 00779 C-2301997-5

SCALE 3:1 SHEET 1 OF 3 REV B2

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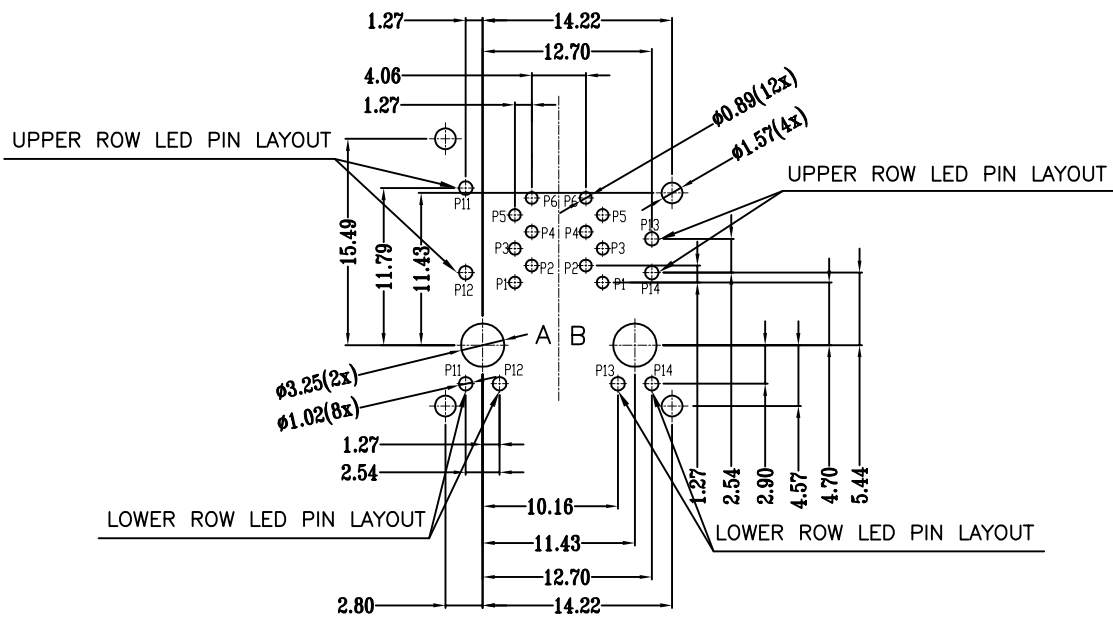
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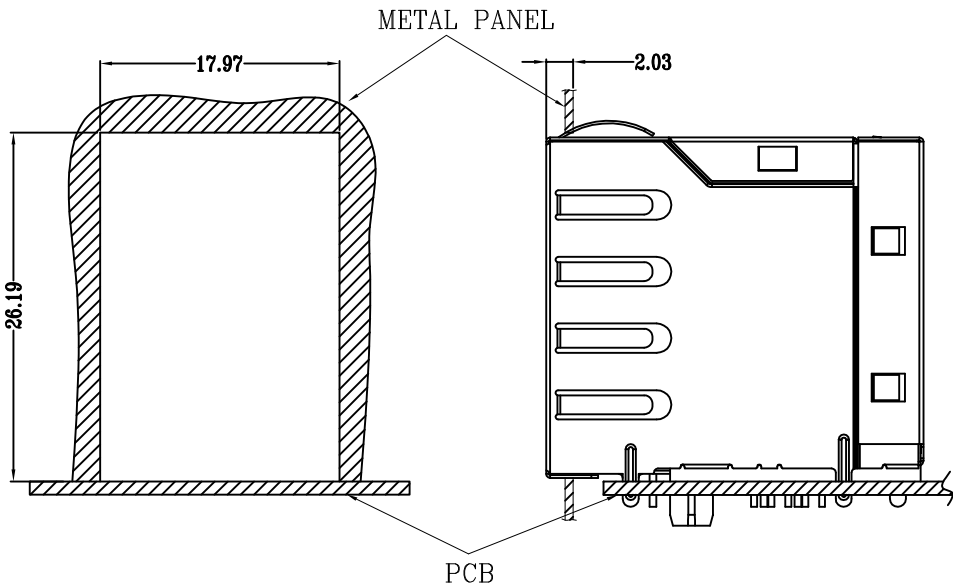
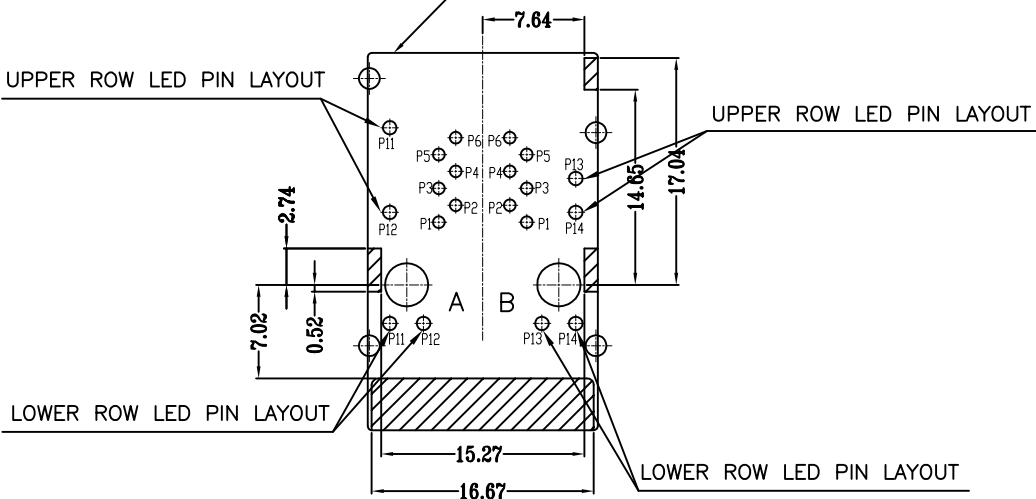
REVISIONS

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

SUGGESTED PCB LAYOUT



CONNECTOR BOUNDARY



UNIT: mm
TOLERANCES: ± 0.10

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		CHK FRANZ MUELLER 02AUG2016			
		APVD MARTIN SZELAG 02AUG2016	NAME RJ45 JACK INT.MAG. 10/100 LED 2x1		
		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C=2301997-5
		CUSTOMER DRAWING	SCALE 3:1	SHEET 2 of 3	REV B2

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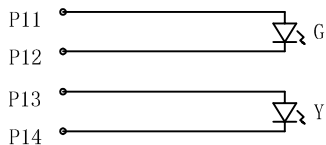
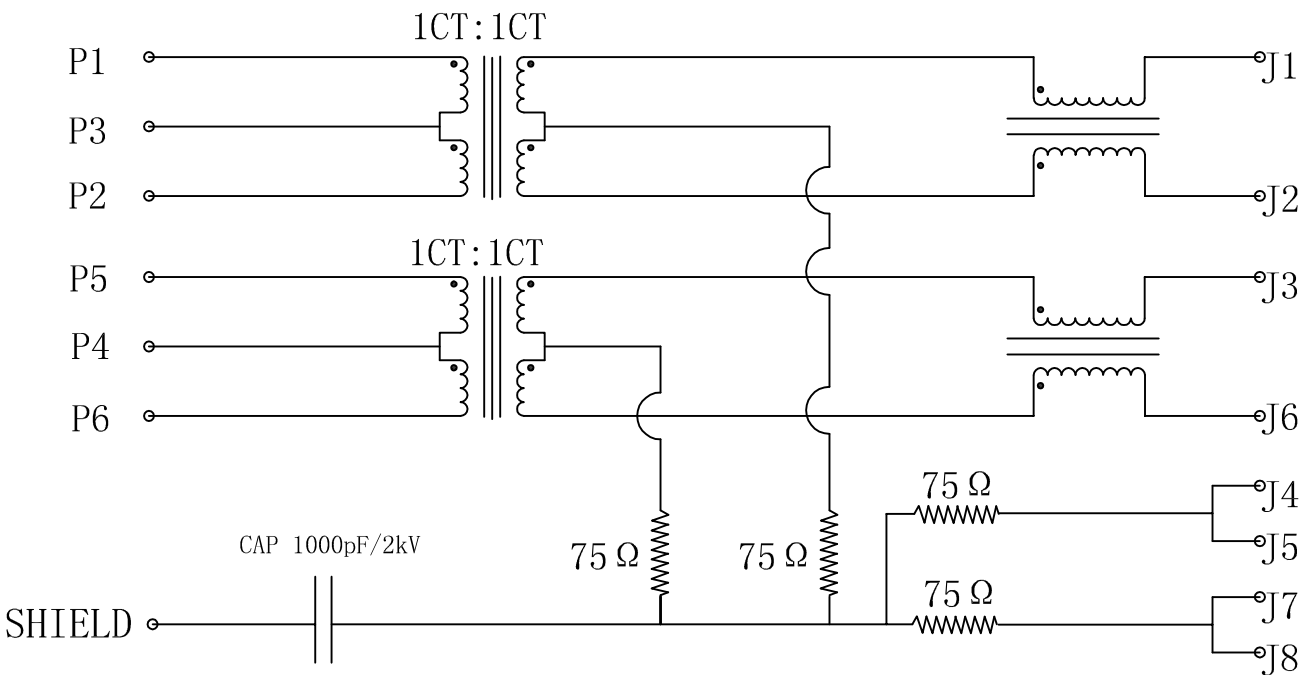
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P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

ELECTRICAL CIRCUIT DIAGRAM



PIN	GREEN		YELLOW
P11	+	P13	+
P12	—	P14	—

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (max)	TYP
GREEN	565nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V

- TURN RATIO @100kHz: (P1~P2):(J1~J2) = 1:1±2%
(P5~P6):(J3~J6) = 1:1±2%
- PRIMARY INDUCTANCE: 350µH MIN. @100kHz, 0.1V 8mA DC BIAS
- DC RESISTANCE: 1.2 OHM MAX.
- INSERTION LOSS: 1-100MHz -1.2dB MAX.
- RETURN LOSS: 1-30MHz -16dB MIN.
30-60MHz -12dB MIN.
60-80MHz -10dB MIN.
- CROSS TALK: 1-100MHz -30dB MIN.
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
- ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC



CONTROL CODE

DATE CODE

"0213"

YY-YEAR

WW-WEEK

FCC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 02AUG2016 CHK GANESH C M 02AUG2016 APVD FRANZ MUELLER 02AUG2016 MARTIN SZELAG PRODUCT SPEC 108-94552 APPLICATION SPEC 114-94447 WEIGHT	TE Connectivity		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -	NAME RJ45 JACK INT.MAG. 10/100 LED 2x1 — —	SIZE A3	CAGE CODE 00779	DRAWING NO C=2301997-5
MATERIAL 1	FINISH 1	CUSTOMER DRAWING	SCALE 3:1	SHEET 3 of 3	REV B2