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- ,2017.

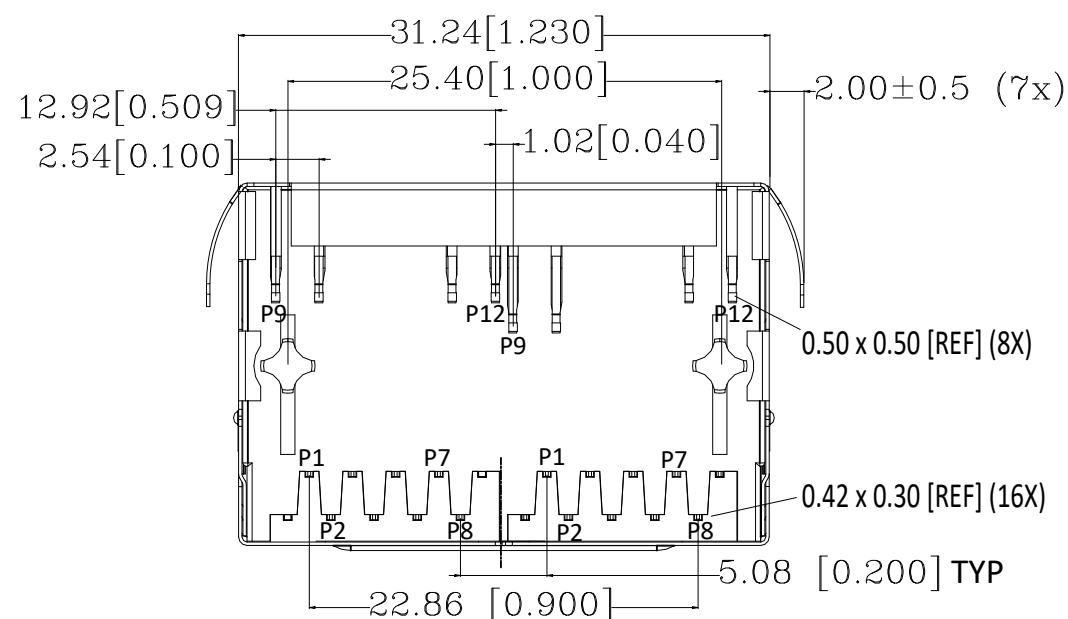


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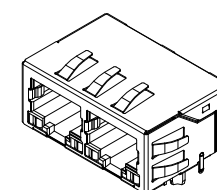
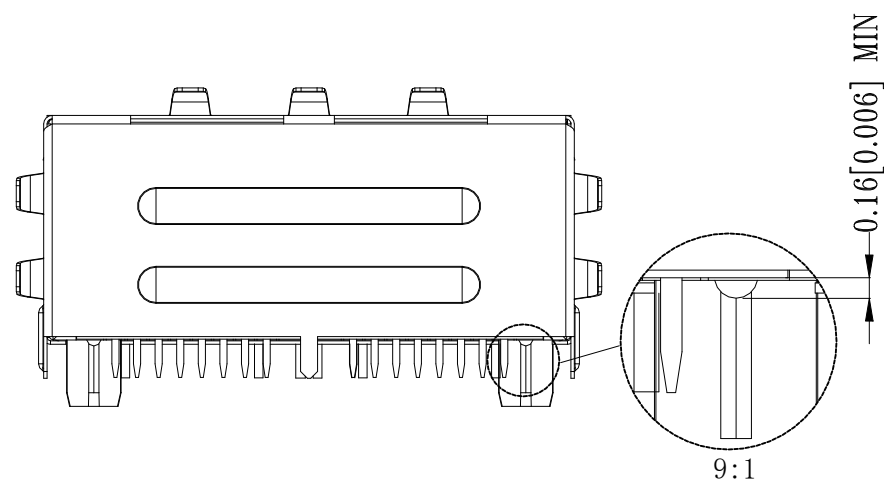
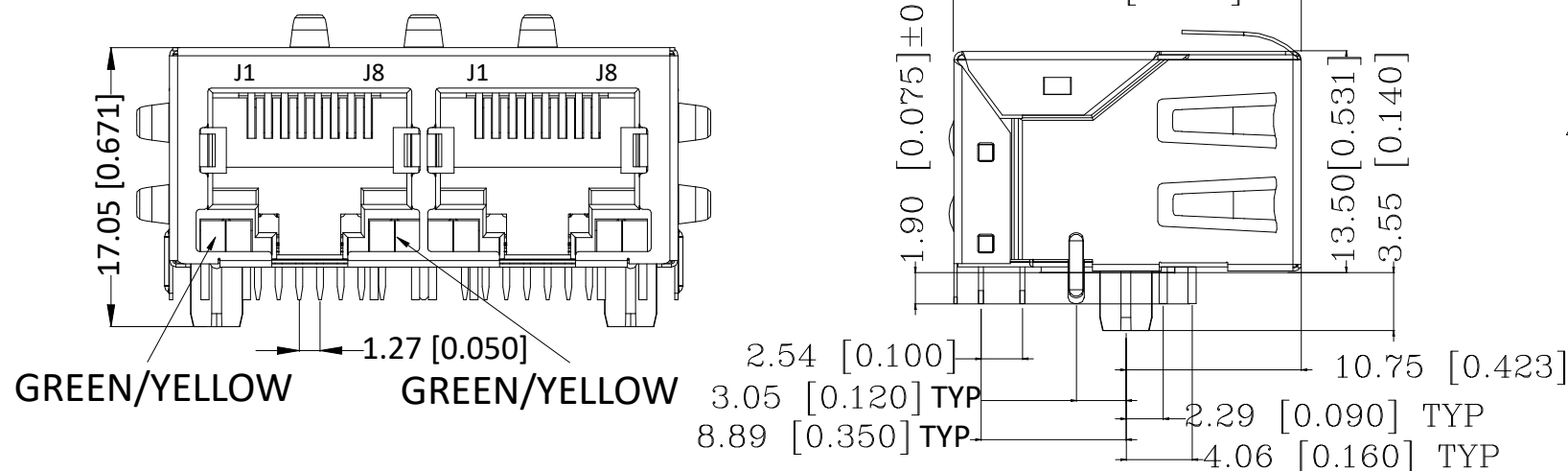
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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	CHANGE OF SHELL DESIGN	22NOV2024	KS	LET



- 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 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 1.27 μm (50 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 CAVITIY 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 2
TAB DIRECTION: DOWN
- 9 PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18116



1:1

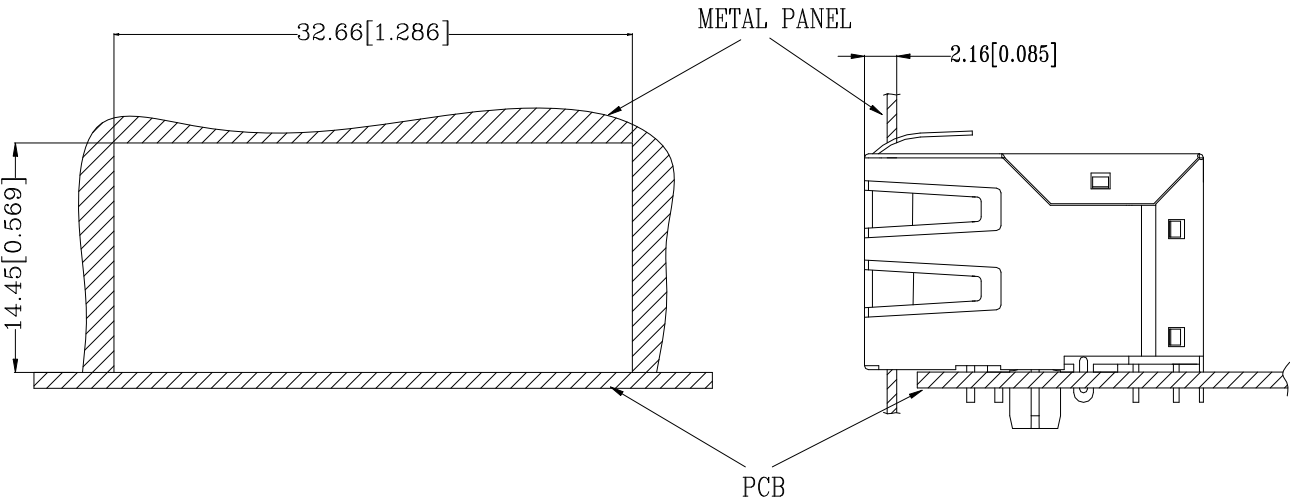
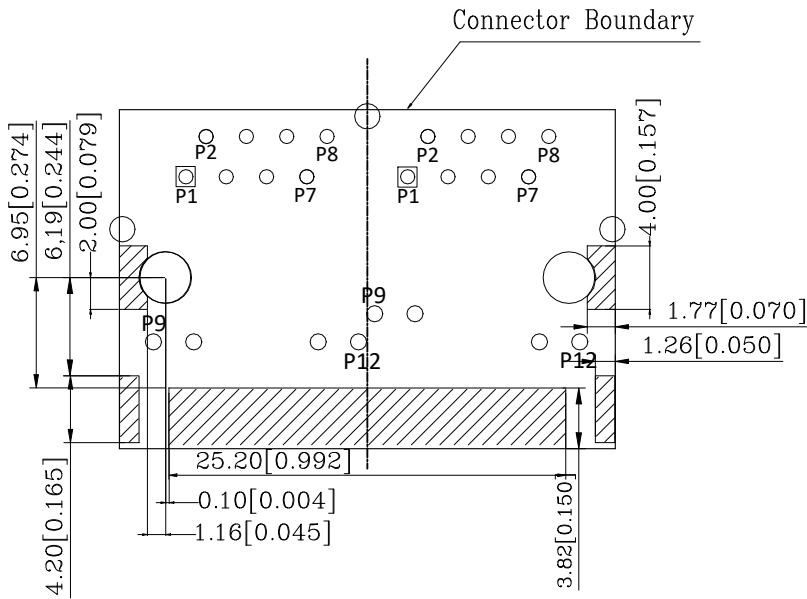
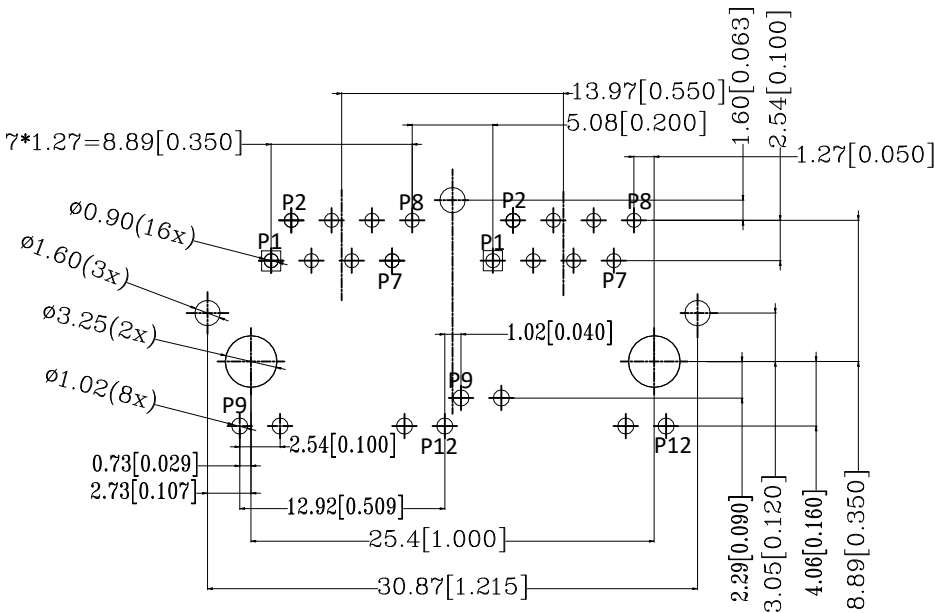


TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 10/100 LED 1x2		
		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301996-6
		CUSTOMER DRAWING	SCALE 3:1	SHEET 1 of 3	REV A2

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

SUGGESTED PCB LAYOUT

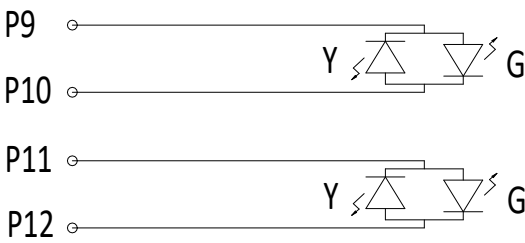
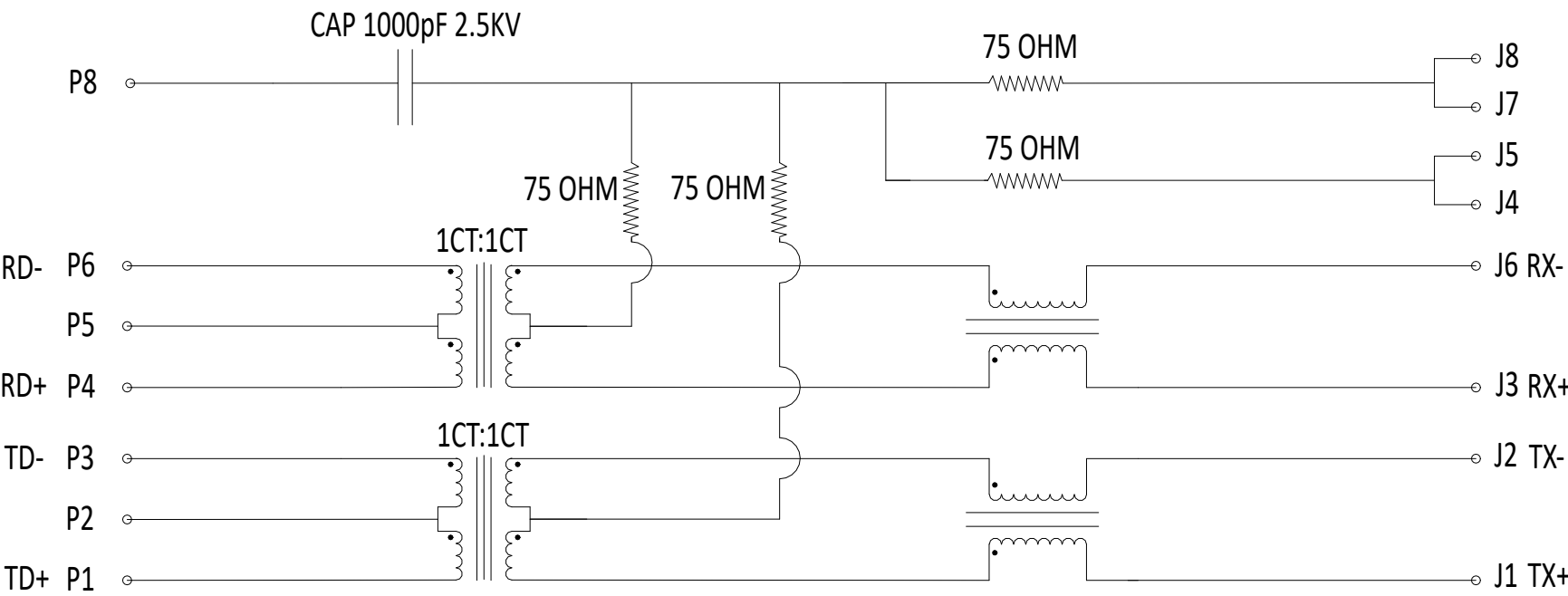


UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004
ONLY FOR THIS VIEW

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		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 10/100 LED 1x2		
		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
		WEIGHT 0	SIZE A3	CAGE CODE 00779	RESTRICTED TO —
		C-2301996-6			
		CUSTOMER DRAWING			
		SCALE 3:1			
		SHEET 2 OF 3			
		REV A2			

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

ELECTRICAL CIRCUIT DIAGRAM



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

WIRE BONDED , V_F= 1.8V ~ 2.4V, I_F= 20mA

2301996-6
WWYY-xxxx

FCC

CONTROL CODE

DATE CODE

"0213"

YY-YEAR

WW-WEEK

1. TURN RATIO @100kHz: (P1~P3):(J1~J2) = 1:1±2%
(P4~P6):(J3~J6) = 1:1±2%
2. PRIMARY INDUCTANCE: 350μH MIN. @100kHz,0.1V 8mA DC BIAS
3. DC RESISTANCE: 1.2 OHMS MAX.
4. INSERTION LOSS: 1-100MHz -1.2dB MAX.
5. RETURN LOSS: 1-30MHz -16dB MIN. (@30MHz -17.0dB TYP)
30-60MHz -16dB+20log(f/30MHz) MIN.
(@60MHz -13.0dB TYP)
60-80MHz -10dB MIN.(@80MHz -11.0dB TYP)
6. CROSS TALK: 1-100MHz -30dB MIN.
7. COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
8. ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC

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DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -
FINISH

MATERIAL

DWN
GANESH C M
27AUG2016

CHK
FRANZ MUELLER
27AUG2016

APVD
MARTIN SZELAG
27AUG2016

PRODUCT SPEC
108-94552

APPLICATION SPEC
114-94447

WEIGHT

TE Connectivity

RJ45 JACK INT.MAG. 10/100 LED 1x2

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-2301996-6

RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
3:1

SHEET
3 of 3

REV
A2