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- ,2017.

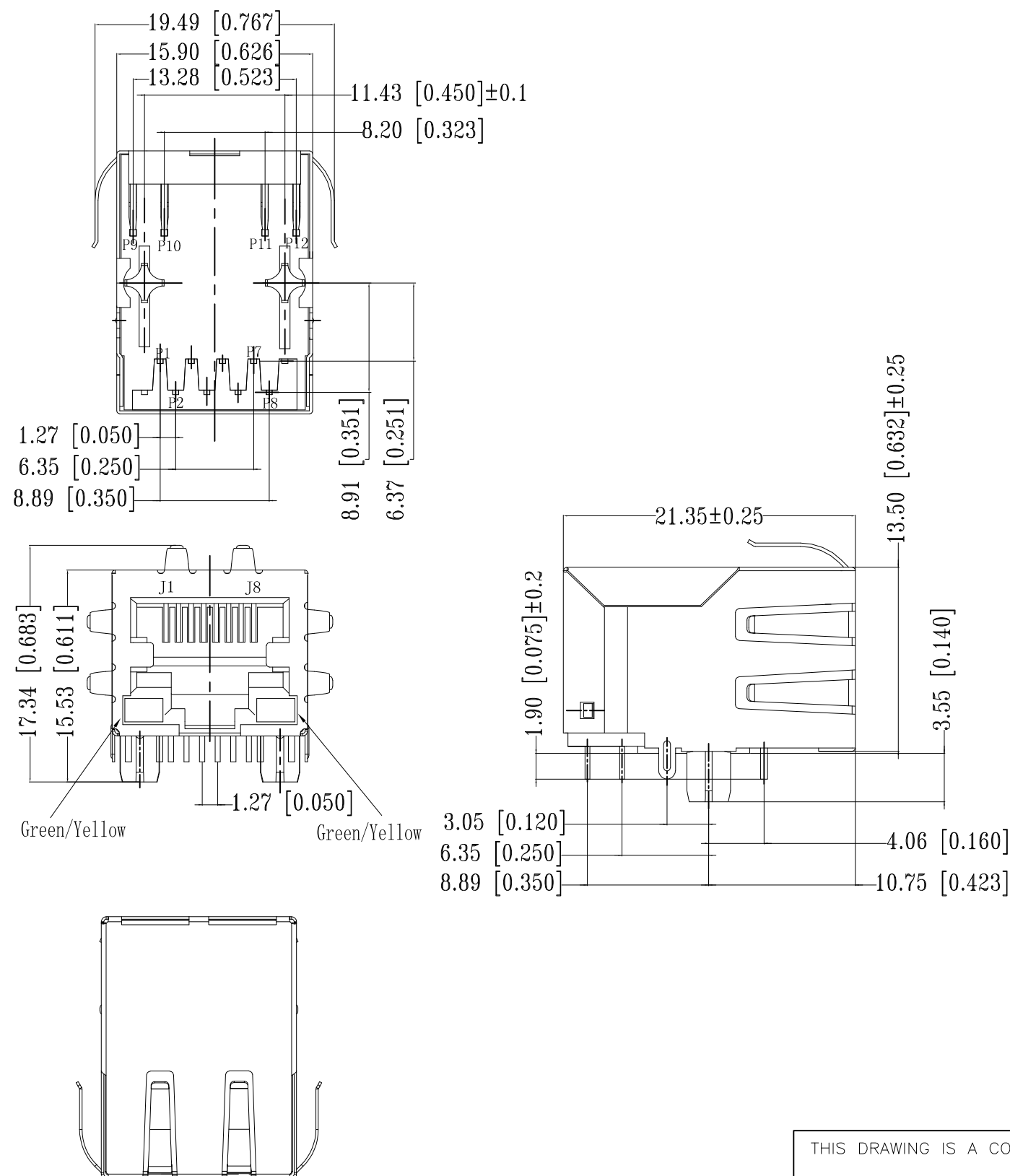


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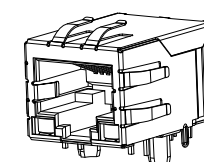
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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	New Release	09MAR2017	GCM	MSZ



- 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 (30µinch) 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
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL CIRCUIT DIAGRAM FOR OMITTED PINS
- RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68
- THE PART IS RECOMMENDED FOR REFLOW SOLDERING PROCESS PEAK SOLDERING: TEMPERATURE MAX. +260° C, MAX. 10s
- OPERATING TEMPERATURE: T= -40° C TO +85° C
- STORAGE TEMPERATURE: T= -40° C TO +85° C
- UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- JACK CONFIGURATION: 1 x 1
- TAB DIRECTION: DOWN
- PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18116



1:1

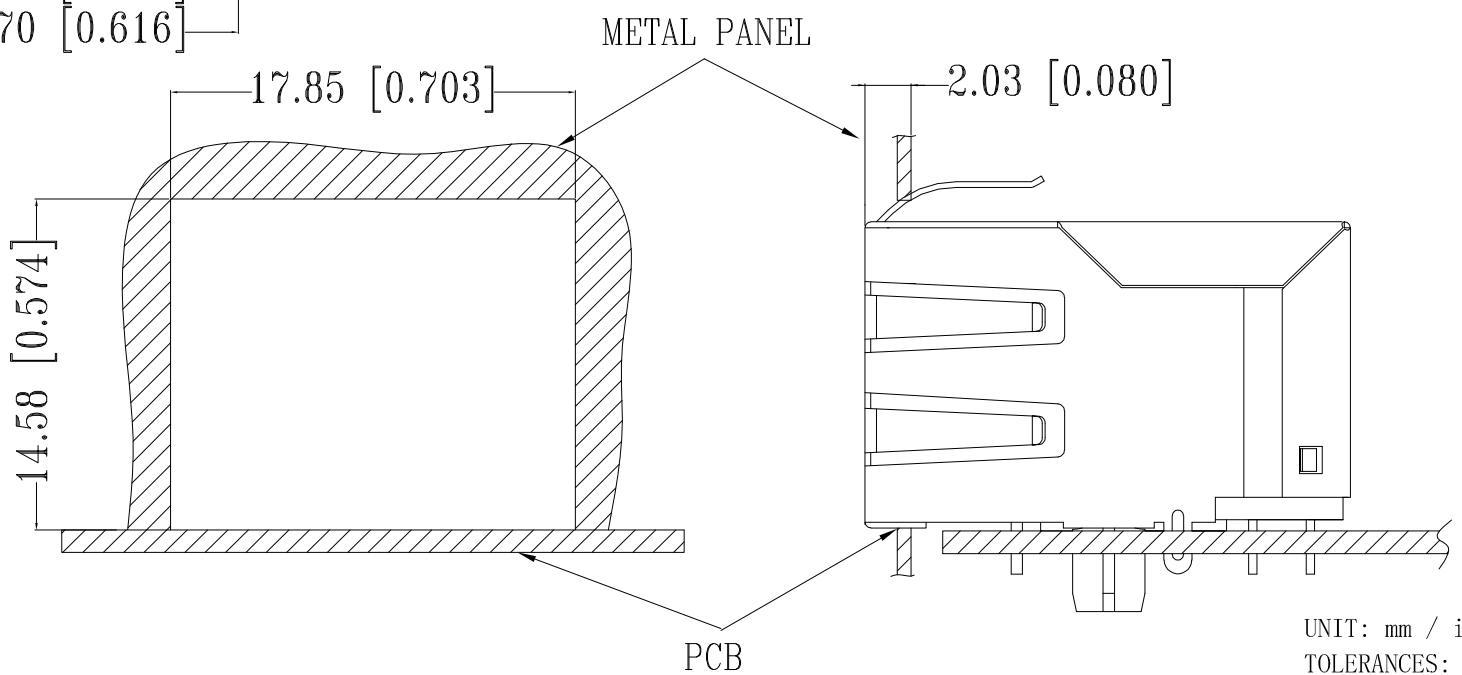
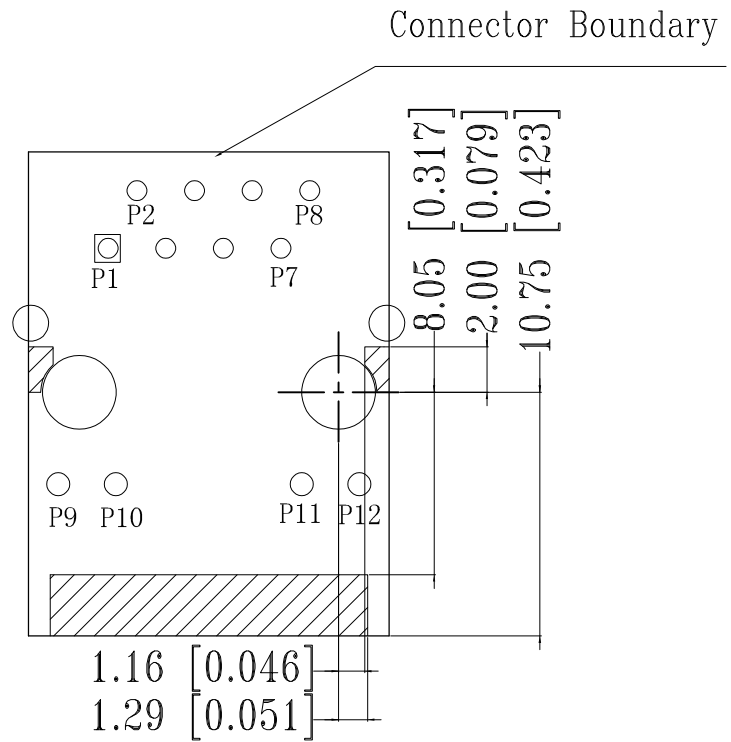
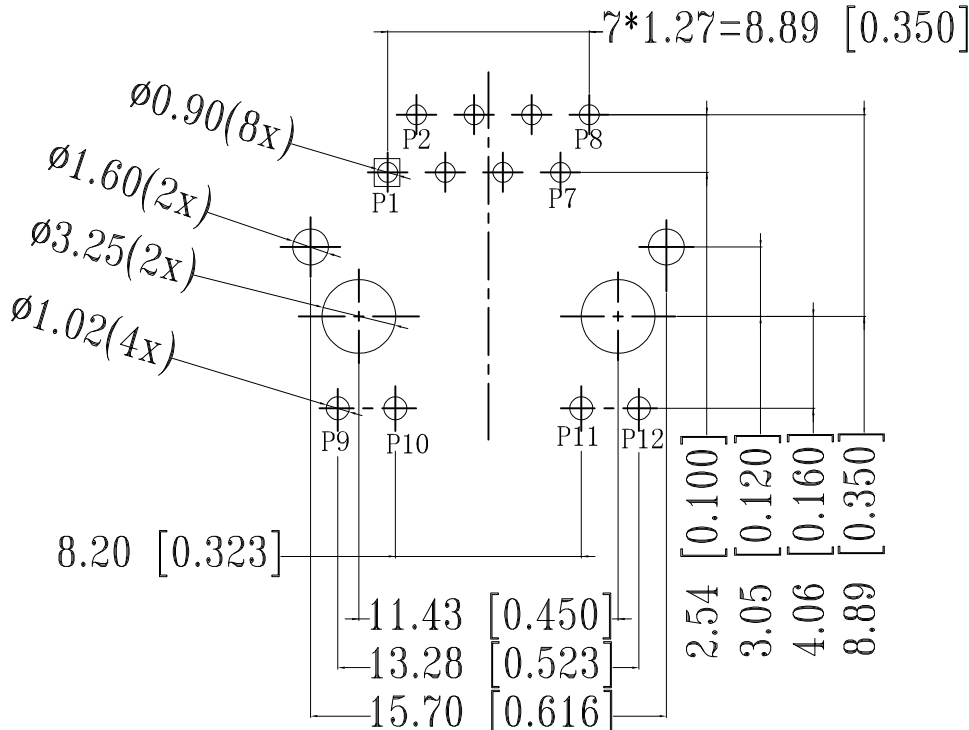


TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

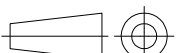
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 10/100 LED 1x1		
		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
		WEIGHT 0	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301994-9
CUSTOMER DRAWING		SCALE 3:1	SHEET 1 OF 3	REV A1	

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

SUGGESTED PCB LAYOUT

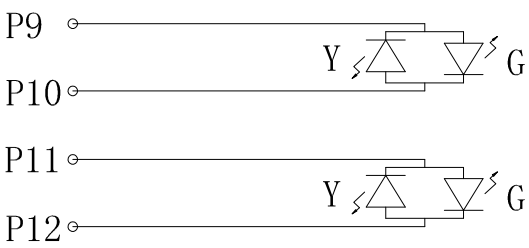
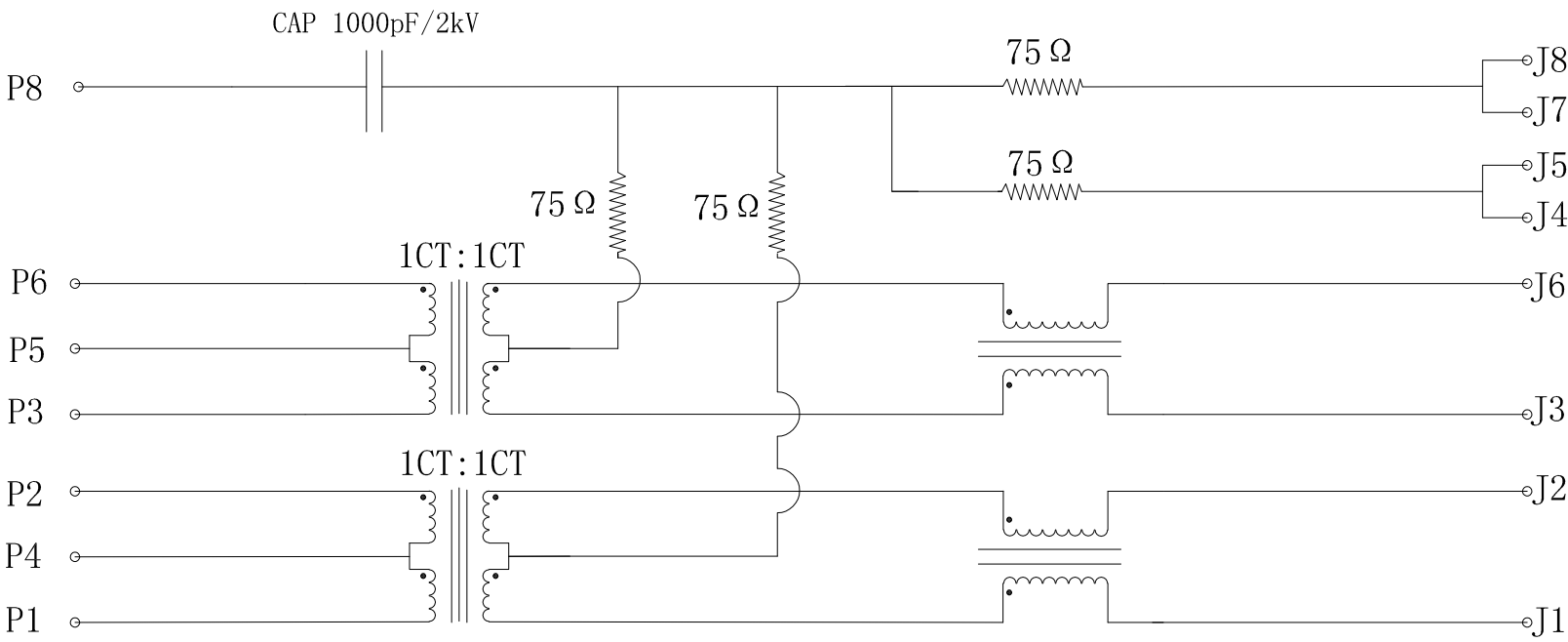


UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004

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		CHK FRANZ MUELLER 27AUG2016				
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RJ45 JACK INT.MAG. 10/100 LED 1x1		
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - 				
MATERIAL 		FINISH 		PRODUCT SPEC 108-94552		SIZE A3
				APPLICATION SPEC 114-94447		
				WEIGHT 0		DRAWING NO C-2301994-9
				CUSTOMER DRAWING		
				SCALE 3:1		SHEET 2 OF 3
				REV A1		

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

ELECTRICAL CIRCUIT DIAGRAM



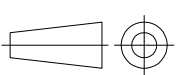
Pin	Yellow	Green	Pin	Yellow	Green
P9	—	+	P11	—	+
P10	+	—	P12	+	—

- 1.0 Turn Ratio @100kHz: (P1~P2):(J1~J2) = 1:1±2%
(P3~P6):(J3~J6) = 1:1±2%
- 2.0 Primary Inductance: 350µH 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: 2250VDC

2301994-9
WWYY-xxxx

CONTROL CODE
DATE CODE
"0213"
YY-YEAR
WW-WEEK

FCC

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DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 27AUG2016						
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		PRODUCT SPEC 108-94552						
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FINISH 		WEIGHT 0		A3	00779	C=2301994-9	-	
CUSTOMER DRAWING						SCALE 3:1	SHEET 3 OF 3	REV A1