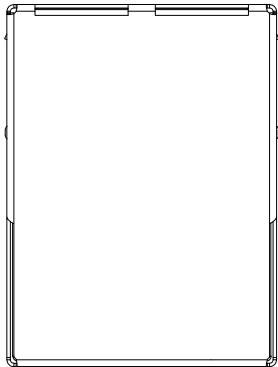
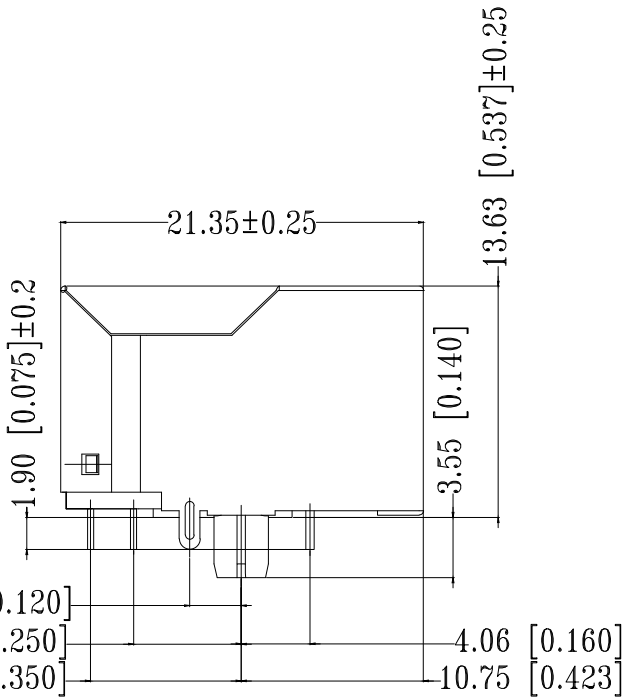
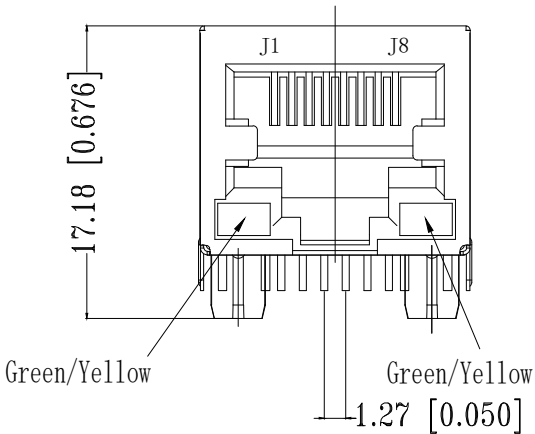
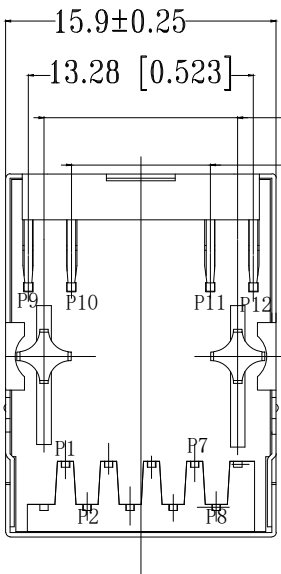
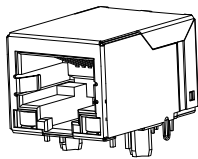


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	NEW RELEASE	11JUN2018	GCM	MSZ



- ⚠ 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
- 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
- ⚠ UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- 8 JACK CONFIGURATION: 1 x 1
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 11JUN2018	TE Connectivity		
		CHK FRANZ MUELLER 11JUN2018			
		APVD MARTIN SZELAG 11JUN2018	NAME RJ45 JACK INT.MAG. 10/100 LED 1x1		
		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-2-2301994-6
		CUSTOMER DRAWING	SCALE 3:1	SHEET 1 of 3	REV A1

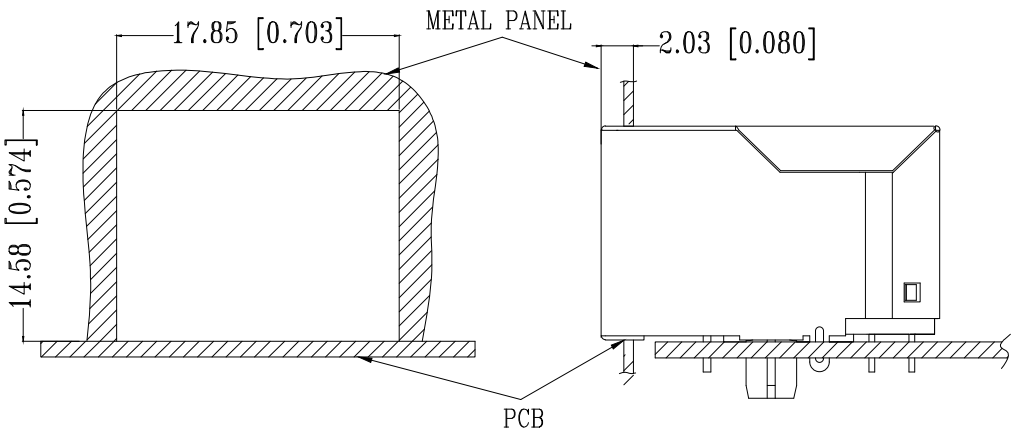
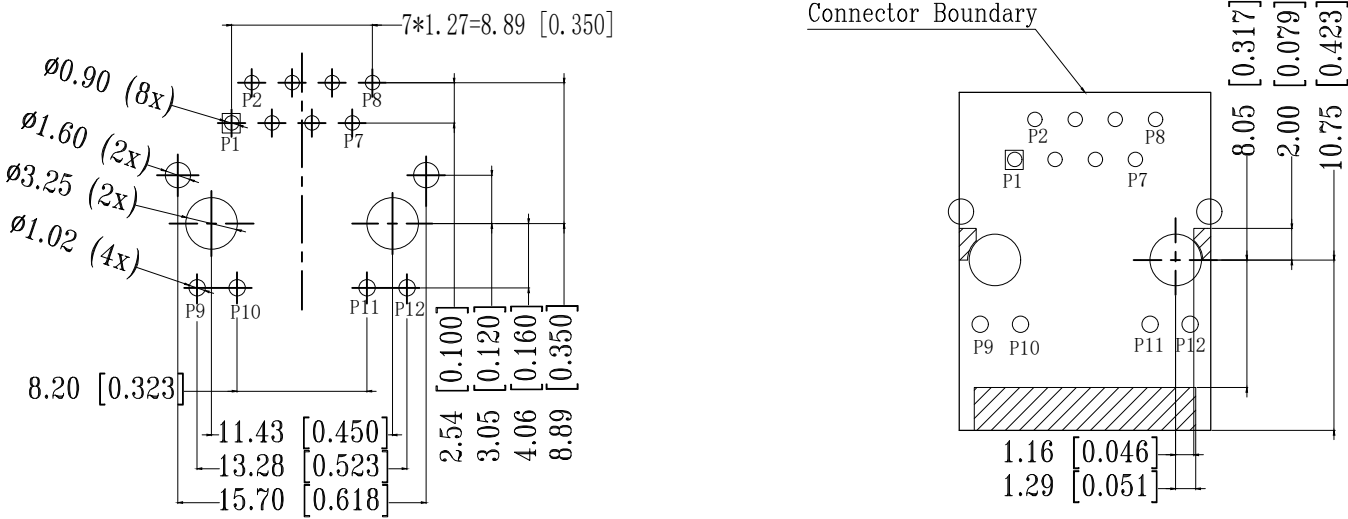
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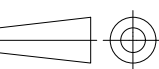
REVISIONS

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

SUGGESTED PCB LAYOUT

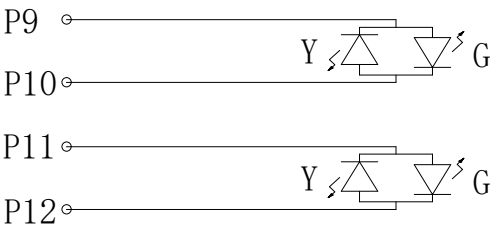
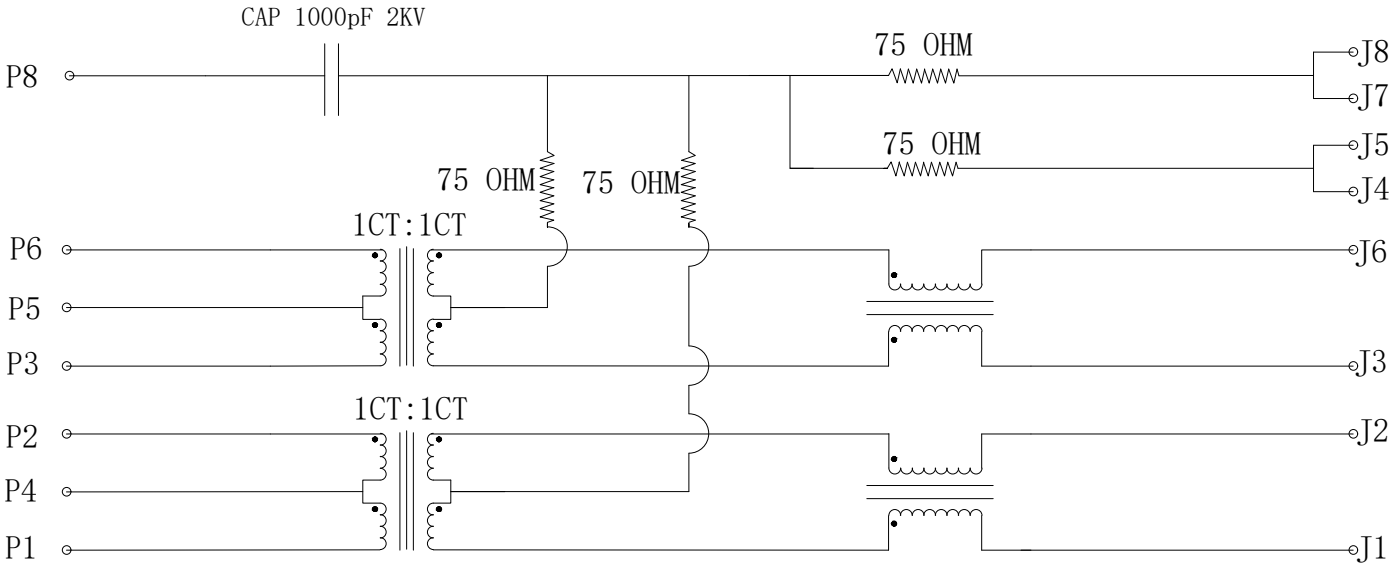


UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 11JUN2018	 TE Connectivity		
		CHK FRANZ MUELLER 11JUN2018			
DIMENSIONS: mm [INCHES]		APVD MARTIN SZELAG 11JUN2018	NAME RJ45 JACK INT.MAG. 10/100 LED 1x1		
		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
MATERIAL 1		FINISH 1	SIZE A3	CAGE CODE 00779	RESTRICTED TO -
			DRAWING NO C-2-2301994-6	SCALE 3:1	REV A1
			SHEET 2 of 3		
			CUSTOMER DRAWING		

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: 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

2-2301994-6
WWYY-xxxx

TE

FCC

CONTROL CODE

DATE CODE
"0213"

YY-YEAR

WW-WEEK

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 11JUN2018		TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 11JUN2018					
	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± – 3 PLC ± – 4 PLC ± – ANGLES ± – 		APVD MARTIN SZELAG 11JUN2018		NAME RJ45 JACK INT.MAG. 10/100 LED 1x1		
			PRODUCT SPEC 108–94552				
			APPLICATION SPEC 114–94447				
			WEIGHT				
MATERIAL 	FINISH 		SIZE A3	CAGE CODE 00779	DRAWING NO C-2-2301994-6	RESTRICTED TO —	
CUSTOMER DRAWING					SCALE 3:1	SHEET 3 OF 3	REV A1