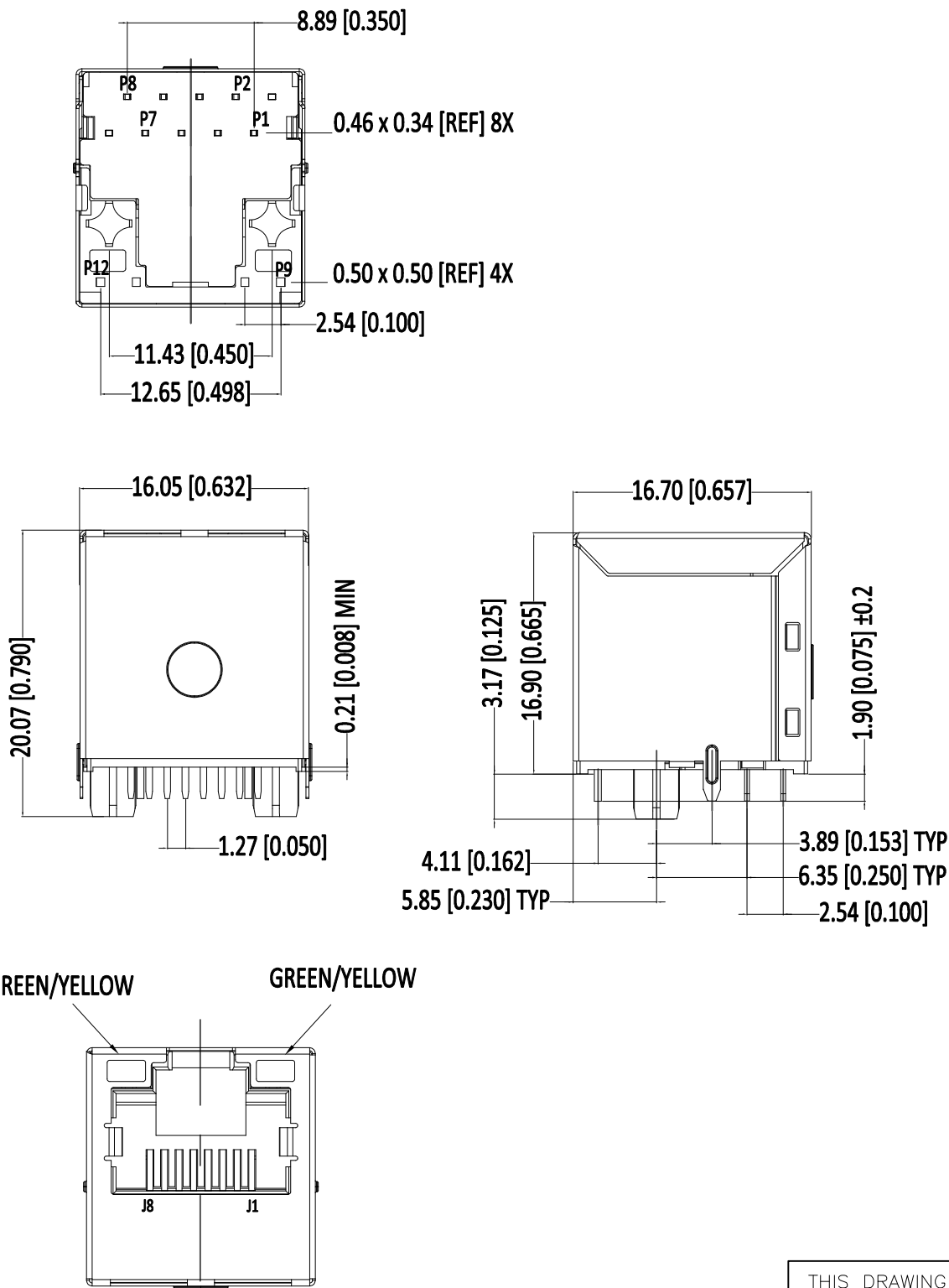
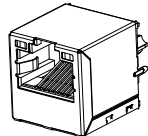


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A3	BOTTOM SUPPORT BLOCK STRENGTHEN	24JUN2024	SS	JDB



- 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. 0.76µm (30µinch) IN CONTACT AREA OVER MIN. 1.27µm (50µinch) NICKEL
 - SOLDER PIN PLATING: 3.05µm (120µinch) TIN OVER 1.27µm (50µinch) 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 1
- TAB DIRECTION: UP
- 9 PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18116



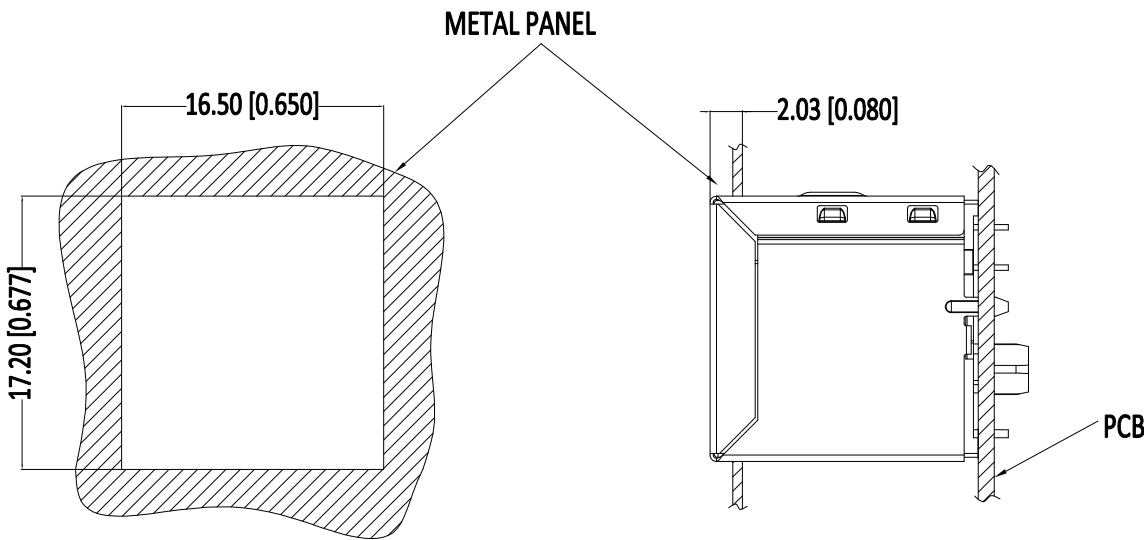
1:1

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 27AUG2016 GANESH C M	TE Connectivity		
		CHK 27AUG2016 FRANZ MUELLER			
		APVD 27AUG2016 MARTIN SZELAG	NAME RJ45 JACK INT.MAG. 10/100 LED 1x1 VERT		
		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301995-3
		CUSTOMER DRAWING	SCALE 3:1	SHEET 1 OF 3	REV A3

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

SUGGESTED PCB LAYOUT

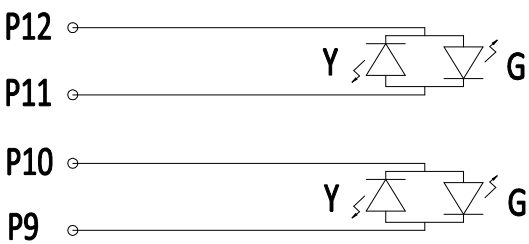
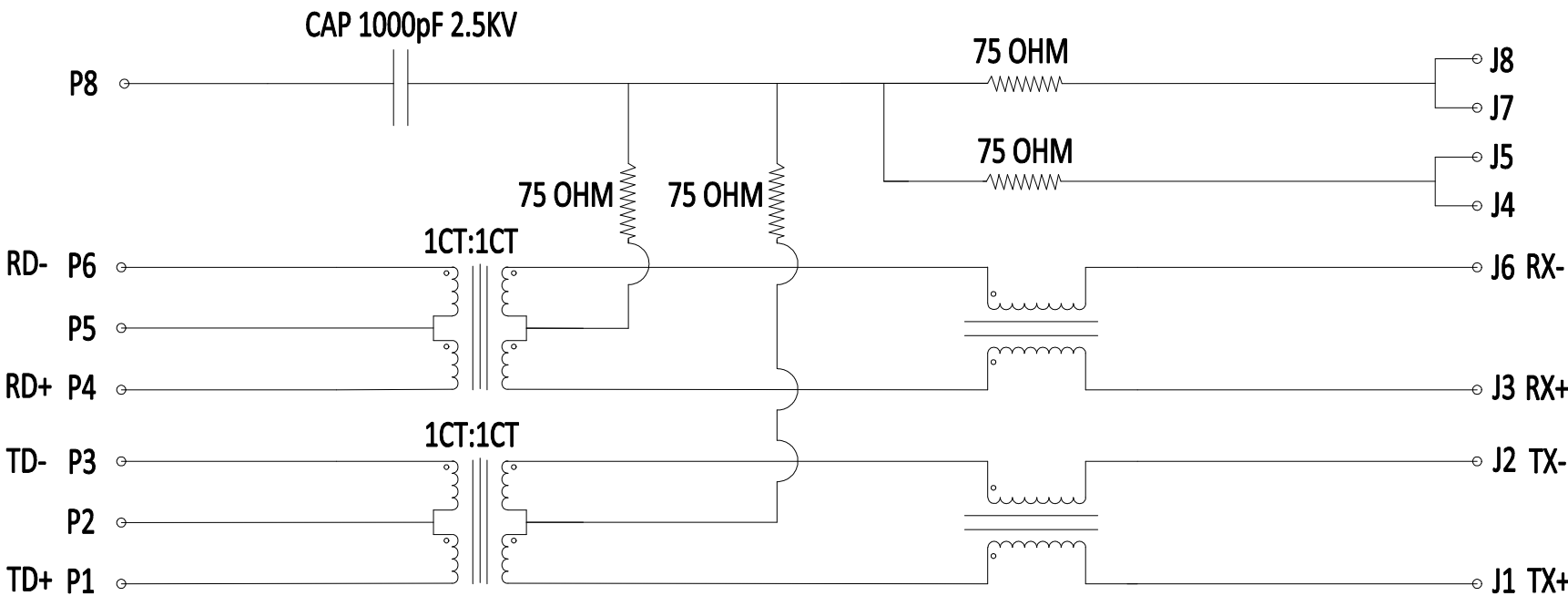


UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004
ONLY FOR THIS VIEW

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016		TE Connectivity					
		CHK FRANZ MUELLER 27AUG2016							
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RJ45 JACK INT.MAG. 10/100 LED 1x1 VERT					
									
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -							
									
MATERIAL 		FINISH 		PRODUCT SPEC 108-94552		SIZE A3	CAGE CODE 00779	DRAWING NO C-2301995-3	RESTRICTED TO —
		APPLICATION SPEC 114-94447							
		WEIGHT —							
CUSTOMER DRAWING						SCALE 3:1	SHEET 2 OF 3	REV A3	

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

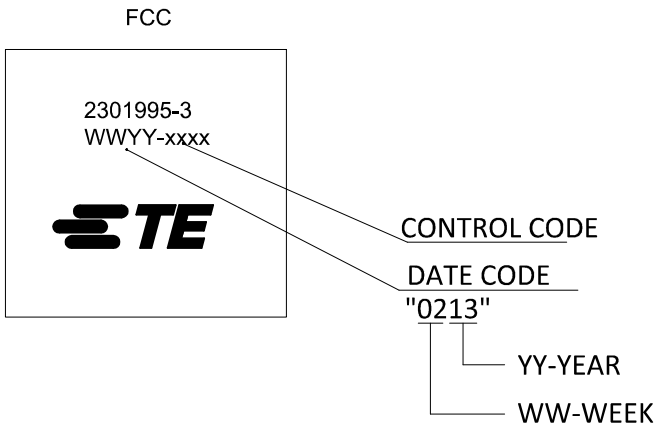
ELECTRICAL CIRCUIT DIAGRAM



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

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

- TURN RATIO @100KHz: (P1~P3):(J1~J2) = 1:1±2%
(P4~P6):(J3~J6) = 1:1±2%
- PRIMARY INDUCTANCE: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- DC RESISTANCE: 1.2 OHMS MAX
- INSERTION LOSS: 1-100MHz -1.2dB MAX
- 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)
- CROSS TALK: 1-100MHz -30dB MIN.
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
- ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016		 TE Connectivity			
DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 27AUG2016					
	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± — 	APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 10/100 LED 1x1 VERT — —				
		PRODUCT SPEC 108-94552					
		MATERIAL 	FINISH 	APPLICATION SPEC 114-94447	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301995-3
CUSTOMER DRAWING					SCALE 3:1	SHEET 3 of 3	REV A3