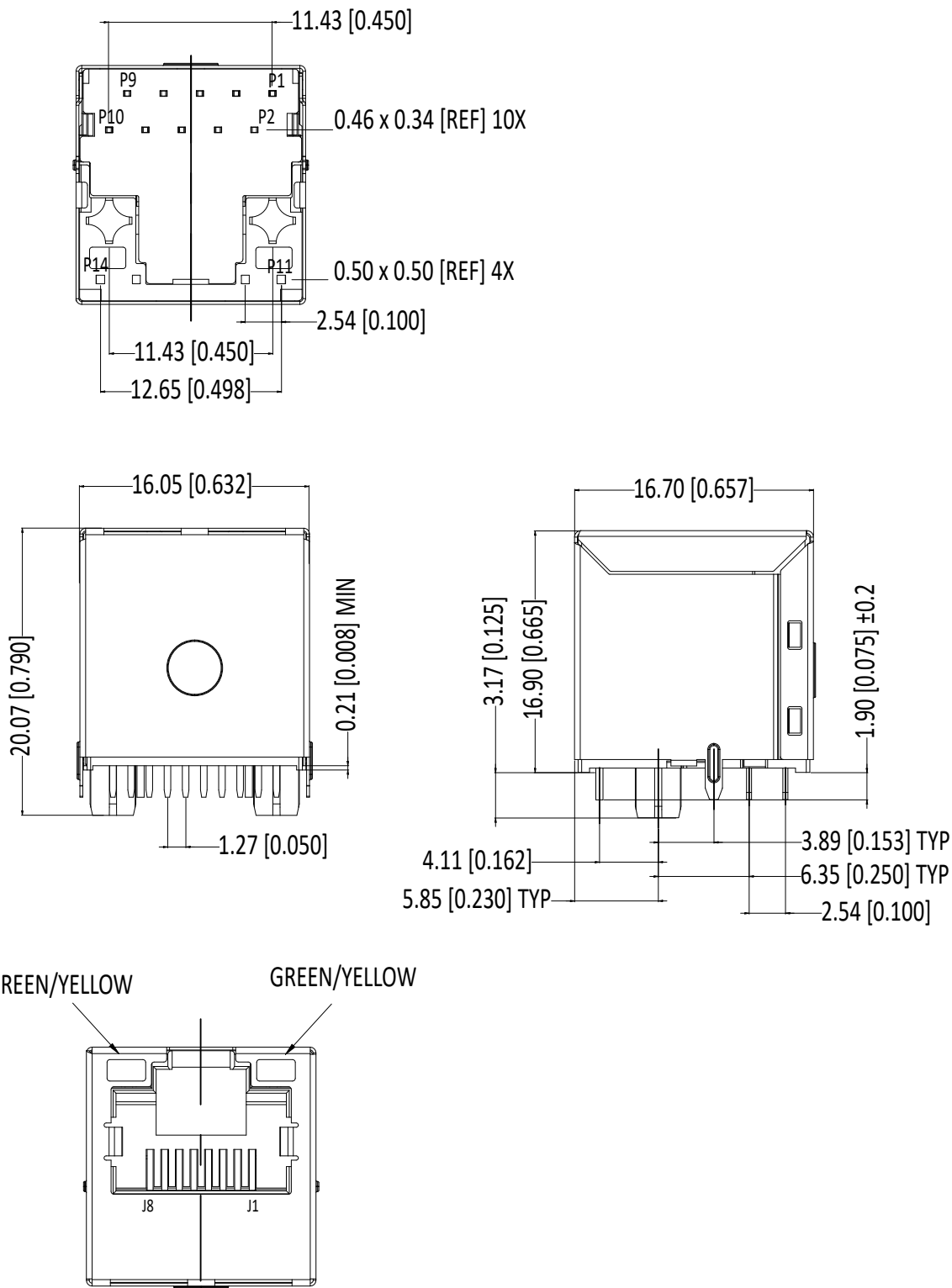
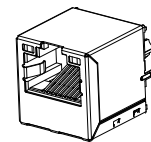


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	BOTTOM SUPPORT BLOCK STRENGTHEN	24JUN2024	SS	JDB



- 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 CAVITY 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: TRAY ACCORDING TO PACKAGING SPECIFICATION 107-18116



1:1

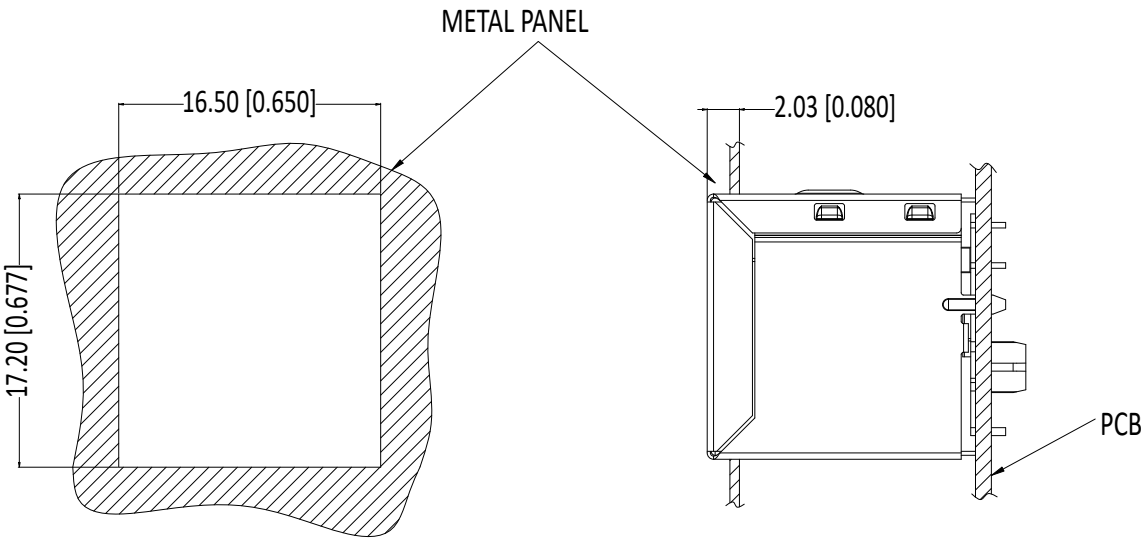


TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

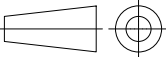
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	 TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 1Gb LED 1x1 VERT		
		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-5-2301995-4
		CUSTOMER DRAWING			
		SCALE 3:1		SHEET 1 of 3	REV A2

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

SUGGESTED PCB LAYOUT

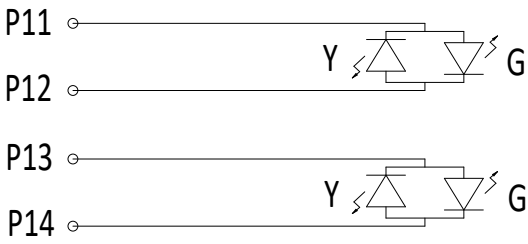
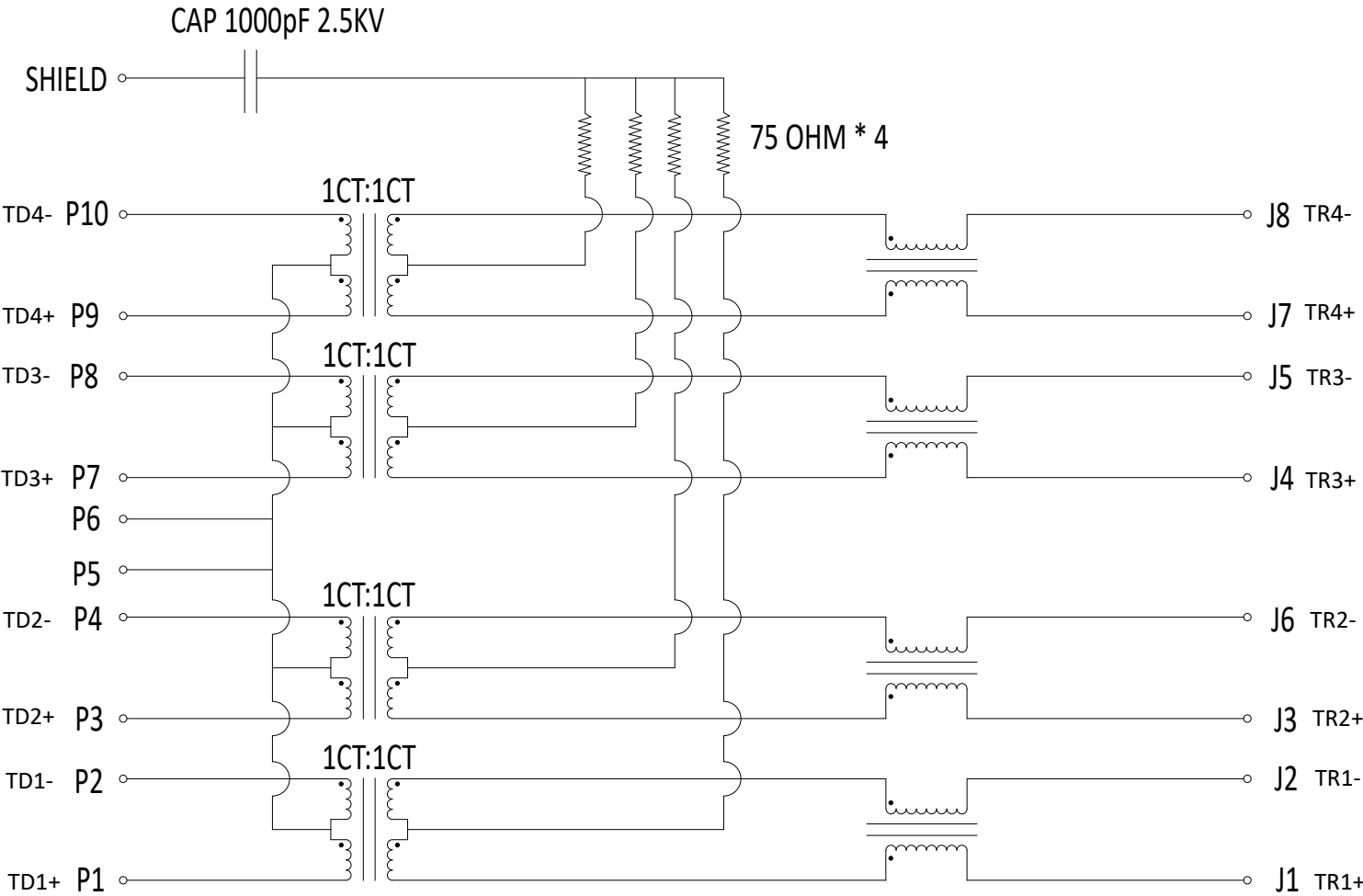


UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004
ONLY FOR THIS VIEW

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. 1Gb LED 1x1 VERT		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
MATERIAL 		WEIGHT -	SIZE A3	CAGE CODE 00779	RESTRICTED TO -
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - FINISH 		DRAWING NO C-5-2301995-4			
		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
P11	-	+	P13	-	+
P12	+	-	P14	+	-

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

- TURN RATIO @100KHz: (P1~P2):(J1~J2) = 1:1±2%
(P3~P4):(J3~J6) = 1:1±2%
(P7~P8):(J4~J5) = 1:1±2%
(P9~P10):(J7~J8) = 1:1±2%
- PRIMARY INDUCTANCE: 350uH MIN @100KHz, 0.1V 8mA DC BIAS
- DC RESISTANCE: 1.2 OHMS MAX
- INSERTION LOSS: 1-100MHz -1.0dB MAX.
100-125MHz -1.2dB MAX.
- RETURN LOSS: 1-40MHz -16dB MIN. (@40MHz -17.0dB TYP)
40-100MHz -10dB+20log(f/80MHz) MIN.
(@100MHz -9.0dB TYP)
- CROSS TALK: 1-100MHz -30dB MIN.
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
- ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC

FCC

5-2301995-4
WWYY-xxxx

TE

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	TE TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016			
		APVD MARTIN SZELAG 27AUG2016			
		PRODUCT SPEC 108-94552			
DIMENSIONS: mm [INCHES]		APPLICATION SPEC 114-94447	NAME RJ45 JACK INT.MAG. 1Gb LED 1x1 VERT		
		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-5-2301995-4
MATERIAL 1		FINISH 1	RESTRICTED TO -		
CUSTOMER DRAWING			SCALE 3:1	SHEET 3 OF 3	REV A2