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- ,2017.



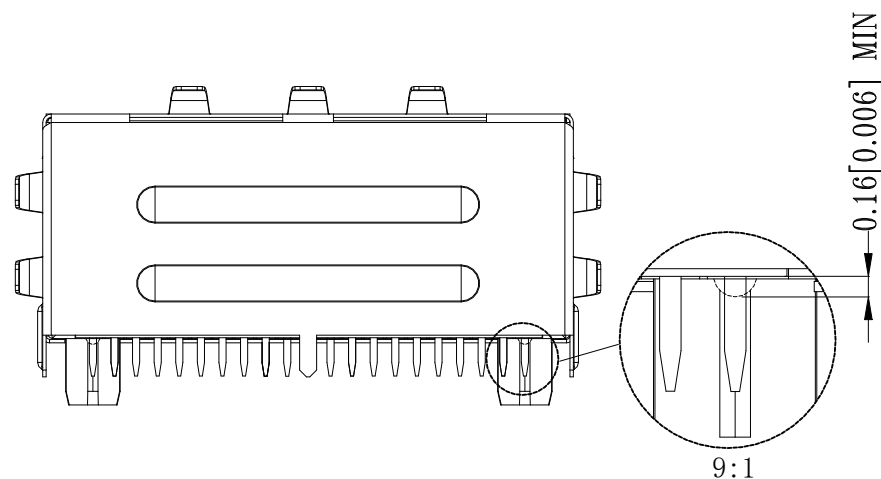
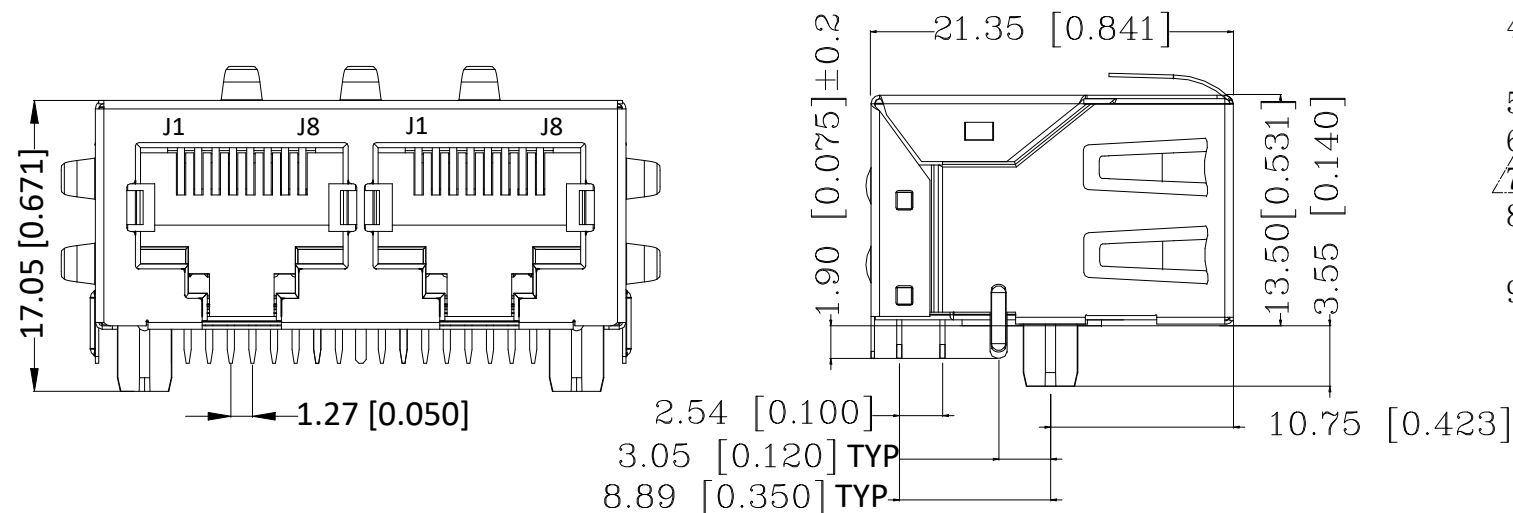
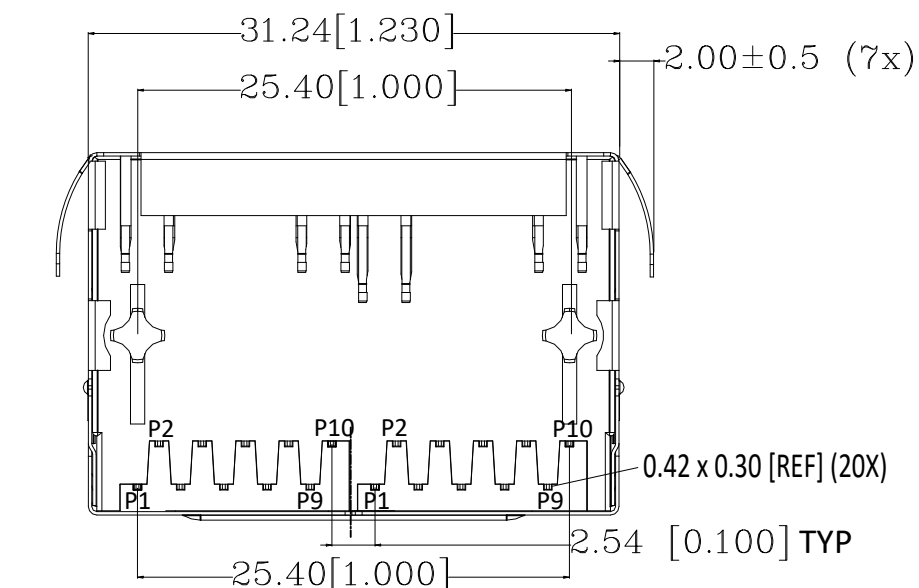
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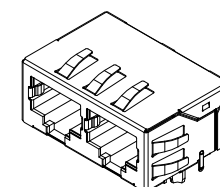
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REVISIONS

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 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 2
TAB DIRECTION: DOWN
- 9 PACKAGING: TRAY ACCORDING TO PACKAGING SPECIFICATION 107-18116



1:1

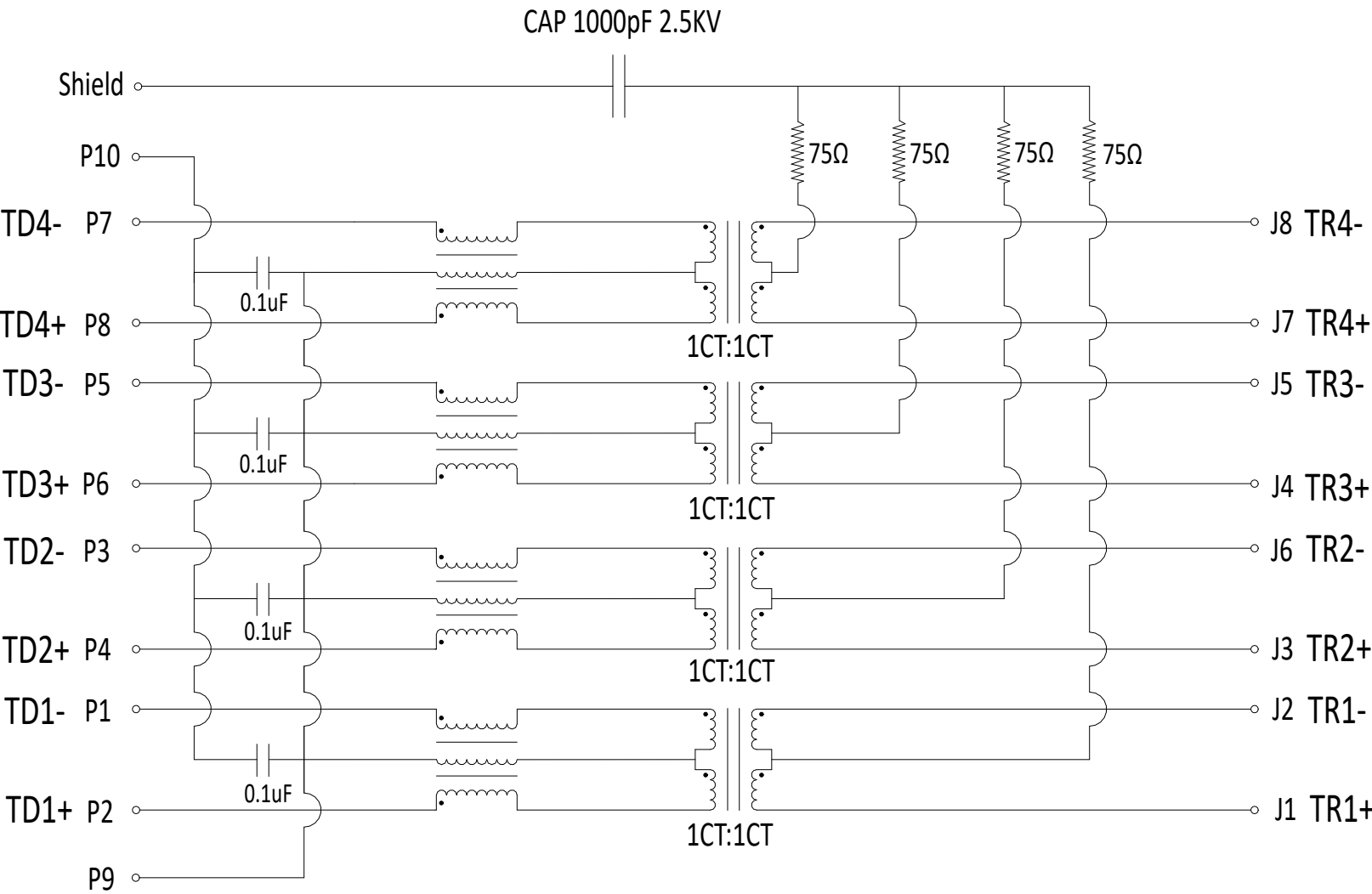


TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

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 1x2		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447			
MATERIAL 1		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-5-2301996-4
		FINISH 1	RESTRICTED TO -		
CUSTOMER DRAWING			SCALE 3:1	SHEET 1 of 3	REV A2

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

ELECTRICAL CIRCUIT DIAGRAM



1. TURN RATIO @100kHz: (P2~P1):(J1~J2) = 1:1±2%
(P4~P3):(J3~J6) = 1:1±2%
(P6~P5):(J4~J5) = 1:1±2%
(P8~P7):(J7~J8) = 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 -1.0dB MAX.
100-125MHz -1.2dB MAX.
5. RETURN LOSS: 1-40MHz -16dB MIN. (@40MHz -17.0dB TYP)
40-100MHz -10dB+20log(f/80MHz) MIN.
(@100MHz -9.0dB 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

5-2301996-4
WWYY-xxxx

TE

FCC

CONTROL CODE
DATE CODE
"0213"

YY-YEAR
WW-WEEK

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DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94552			
		APPLICATION SPEC 114-94447	SIZE A3	CAGE CODE 00779	DRAWING NO C-5-2301996-4
MATERIAL 1		WEIGHT 0			RESTRICTED TO -
		FINISH 1	CUSTOMER DRAWING		SCALE 3:1
			SHEET 3 OF 3		REV A2