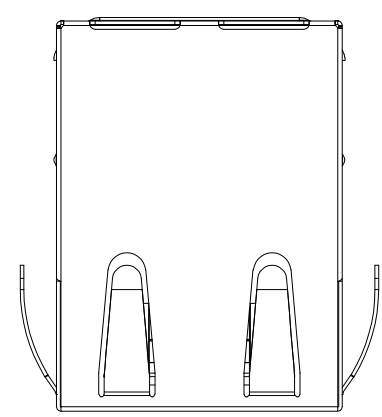
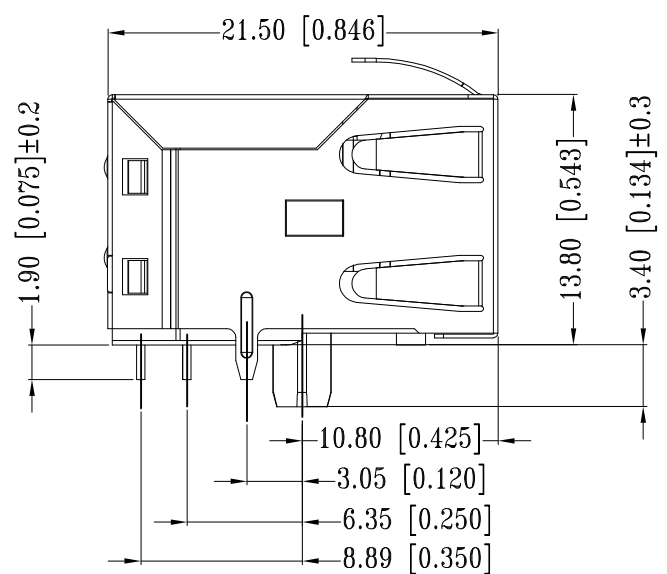
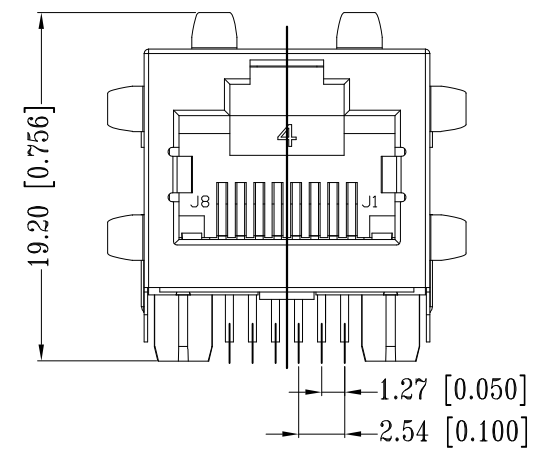
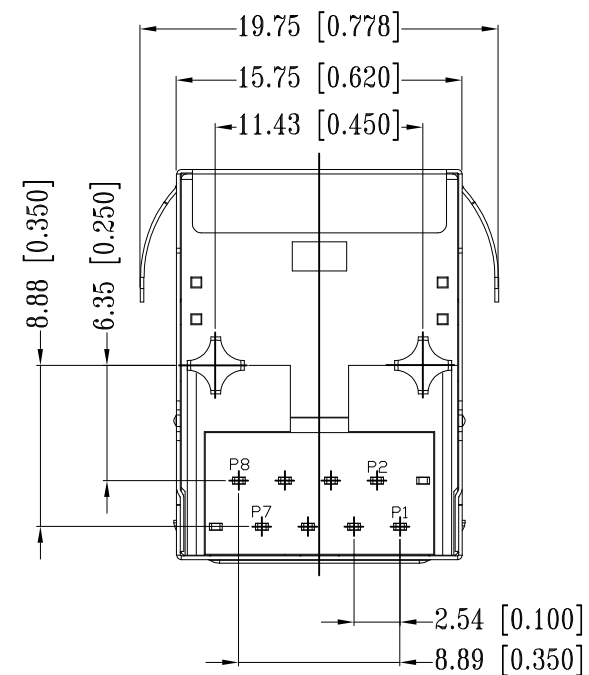
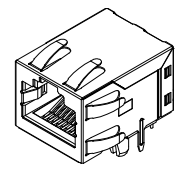


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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
B1		REV. PER PCN E-16-016950	06DEC2016	GCM/MSZ



- 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 1.02µm (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
- 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

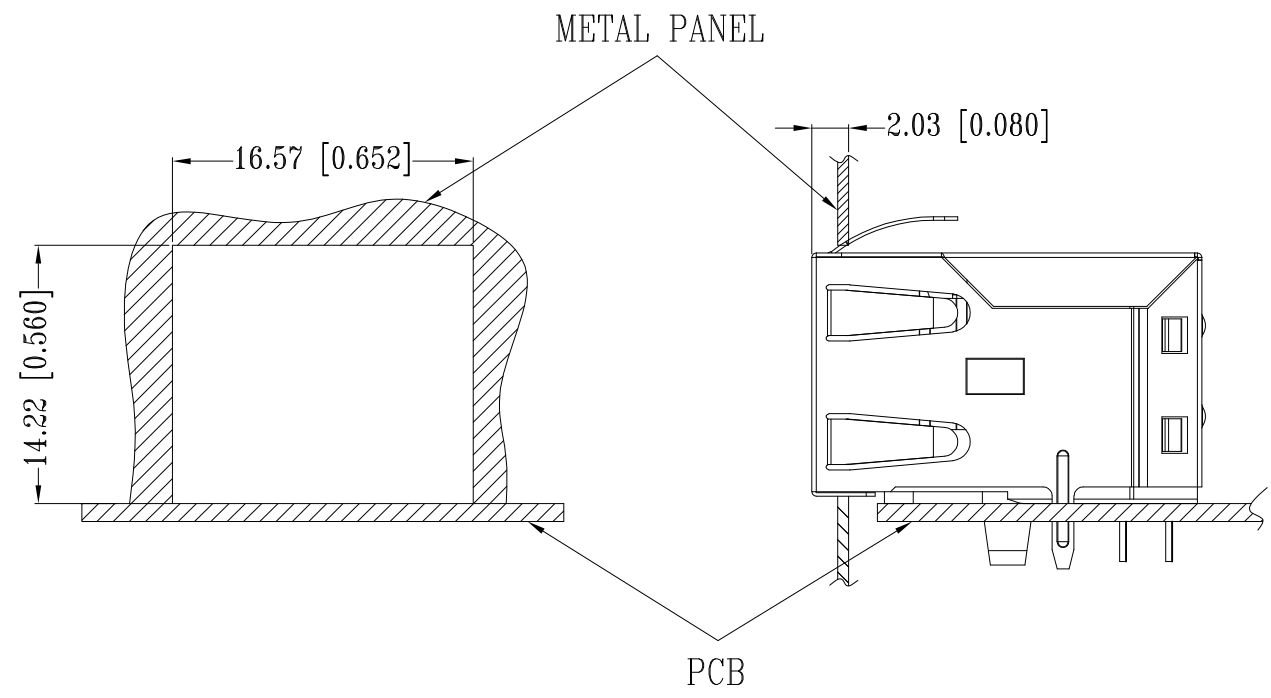
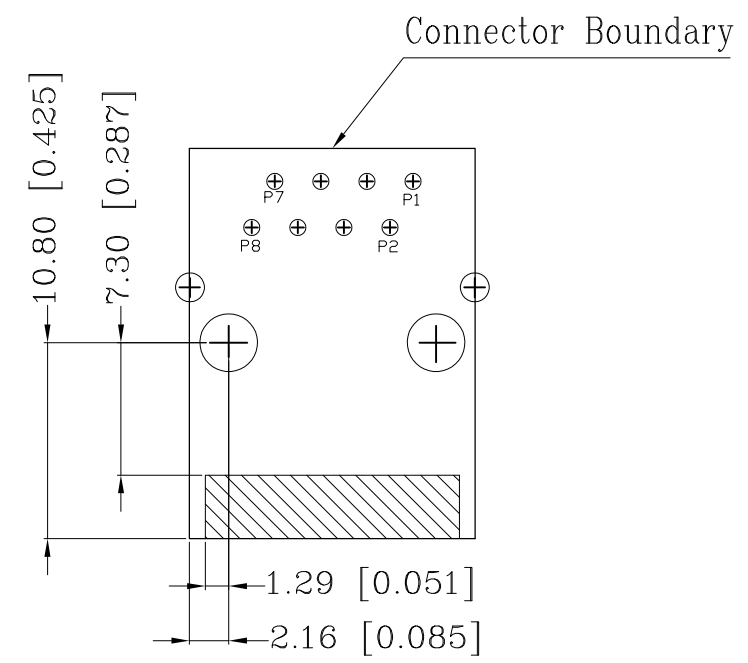
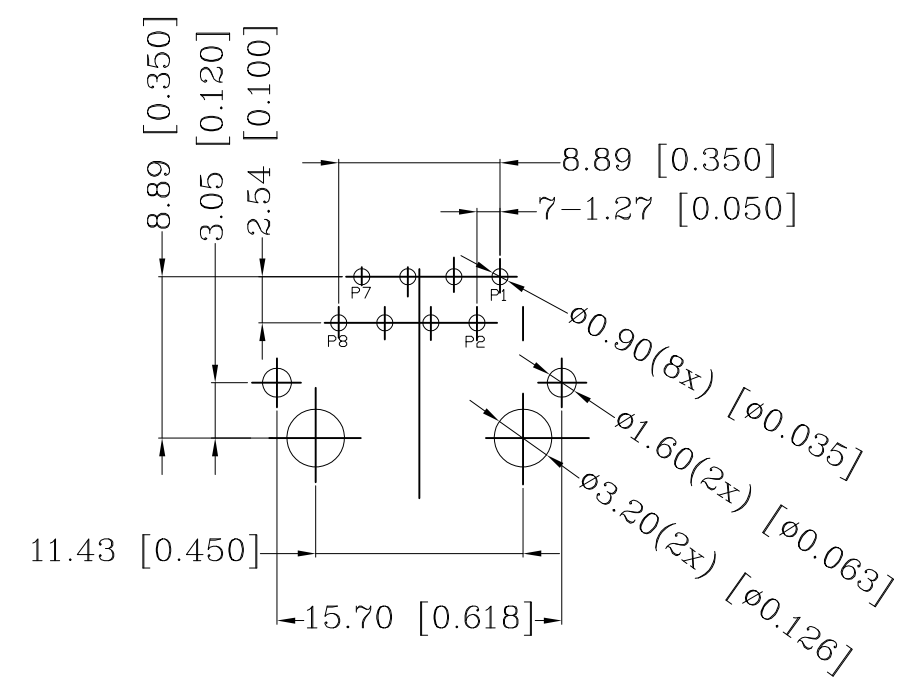
TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 16AUG2016 GANESH C M	TE Connectivity																
DIMENSIONS: mm [INCHES]		CHK 16AUG2016 FRANZ MUELLER																	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 16AUG2016 MARTIN SZELAG	NAME RJ45 JACK INTEGRATED MAGNETICS 10/100																
<table border="0"> <tr><td>0 PLC</td><td>± -</td><td rowspan="5">7</td></tr> <tr><td>1 PLC</td><td>± -</td></tr> <tr><td>2 PLC</td><td>± -</td></tr> <tr><td>3 PLC</td><td>± -</td></tr> <tr><td>4 PLC</td><td>± -</td></tr> <tr><td>ANGLES</td><td>± -</td><td></td></tr> </table>		0 PLC	± -	7	1 PLC	± -	2 PLC	± -	3 PLC	± -	4 PLC	± -	ANGLES	± -		PRODUCT SPEC 108-94552	-		
0 PLC	± -	7																	
1 PLC	± -																		
2 PLC	± -																		
3 PLC	± -																		
4 PLC	± -																		
ANGLES	± -																		
MATERIAL		APPLICATION SPEC 114-94447	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO													
FINISH		WEIGHT -	A3	00779	C-2301994-1	-													
CUSTOMER DRAWING			SCALE	SHEET	REV														
			3:1	1 OF 3	B1														

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

SUGGESTED PCB LAYOUT



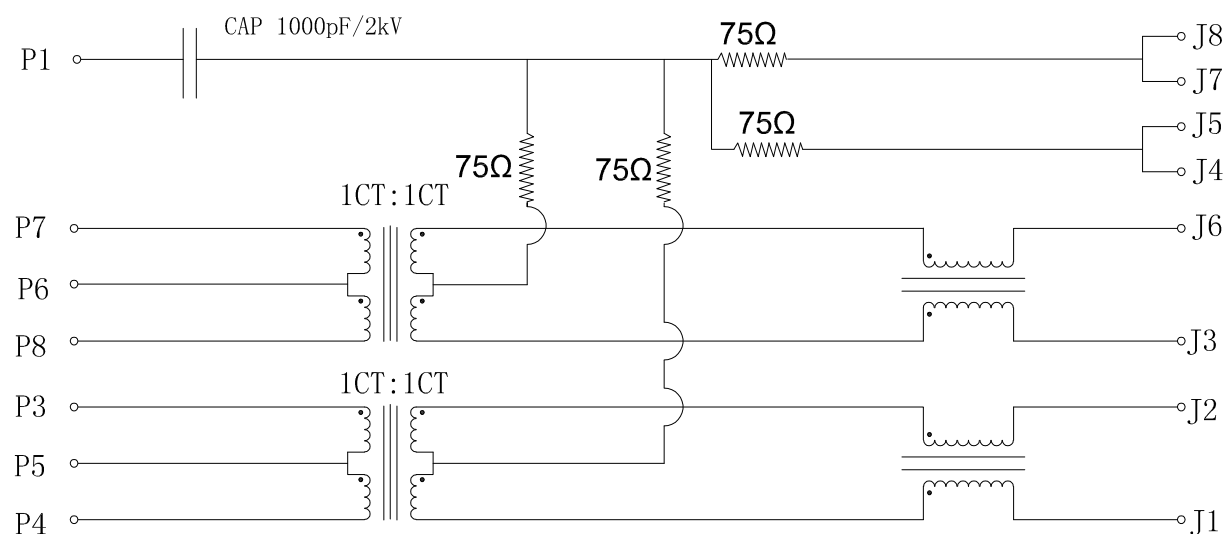
UNIT: mm / inch
 TOLERANCES: ±0.10 / 0.004

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	16AUG2016		STE TE Connectivity
		CHK	16AUG2016		
		APVD	16AUG2016		
		NAME	FRANZ MUELLER		
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ± -		RJ45 JACK INTEGRATED MAGNETICS 10/100	
		1 PLC ± -		-	
		2 PLC ± -		-	
		3 PLC ± -		-	
		4 PLC ± -		SIZE	
		ANGLES ± -		CAGE CODE	
		FINISH		DRAWING NO	
MATERIAL		1		RESTRICTED TO	
		1		-	
		CUSTOMER DRAWING		SCALE 3:1	
		WEIGHT 0		SHEET 2 OF 3	
		APVD		REV B1	
		MARTIN SZELAG			
		108-94552			
		114-94447			
		A3 00779		C-2301994-1	

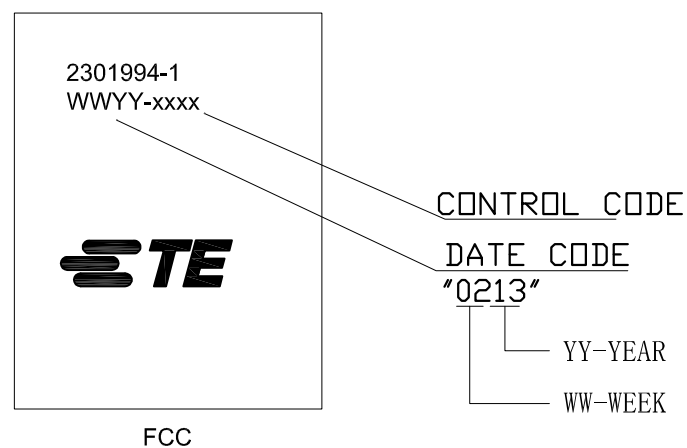
REVISIONS

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

ELECTRICAL CIRCUIT DIAGRAM



- 1.0 Turn Ratio @100kHz: (P4~P3):(J1~J2) = 1:1±2%
(P8~P7):(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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 16AUG2016	TE TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK FRANZ MUELLER 16AUG2016			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MARTIN SZELAG 16AUG2016	NAME RJ45 JACK INTEGRATED MAGNETICS 10/100		
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-94552	-		
MATERIAL 1		FINISH 1	APPLICATION SPEC 114-94447	SIZE A3	CAGE CODE 00779
		WEIGHT 0	DRAWING NO C-2301994-1	RESTRICTED TO -	
CUSTOMER DRAWING			SCALE 3:1	SHEET 3 OF 3	REV B1