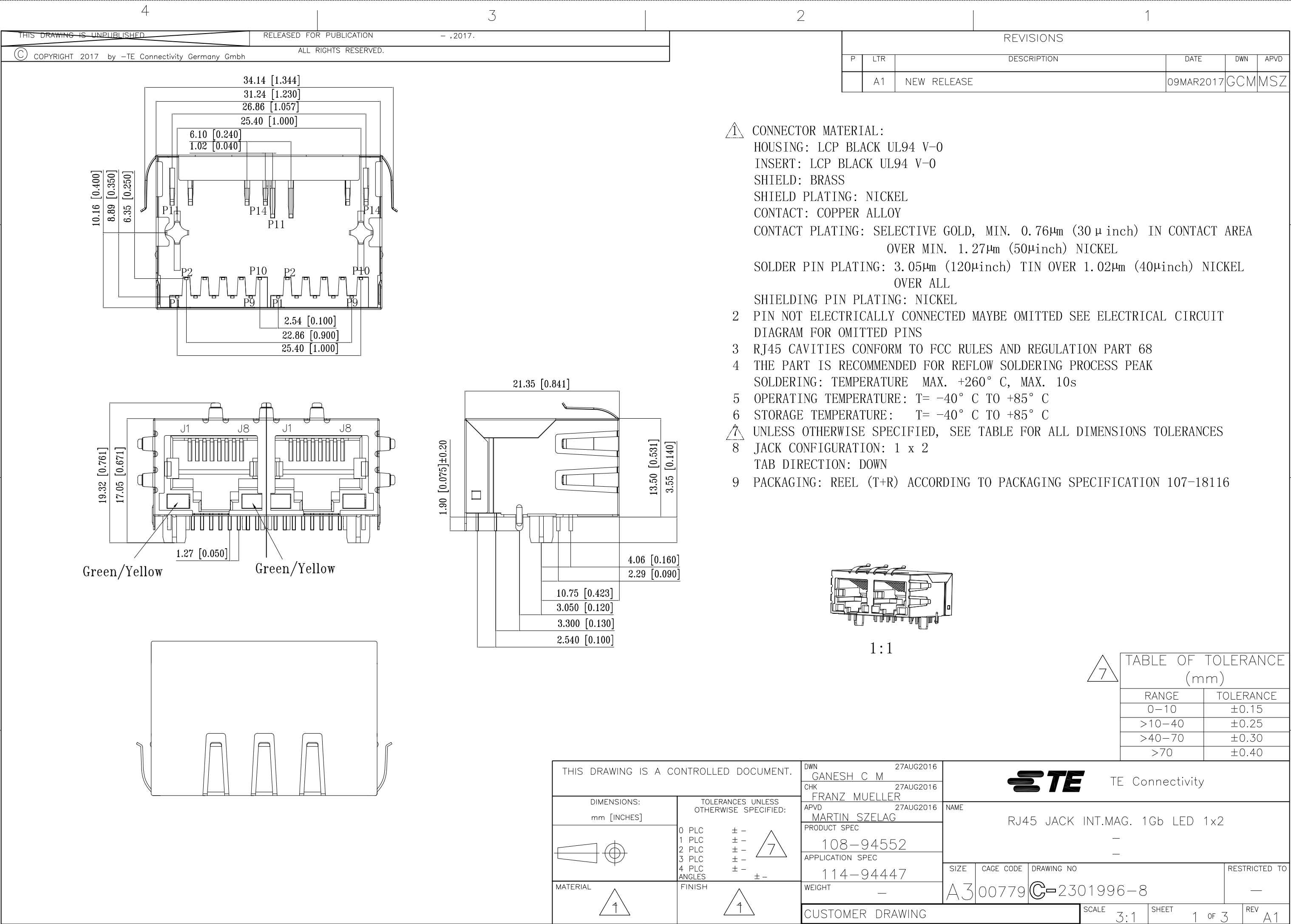
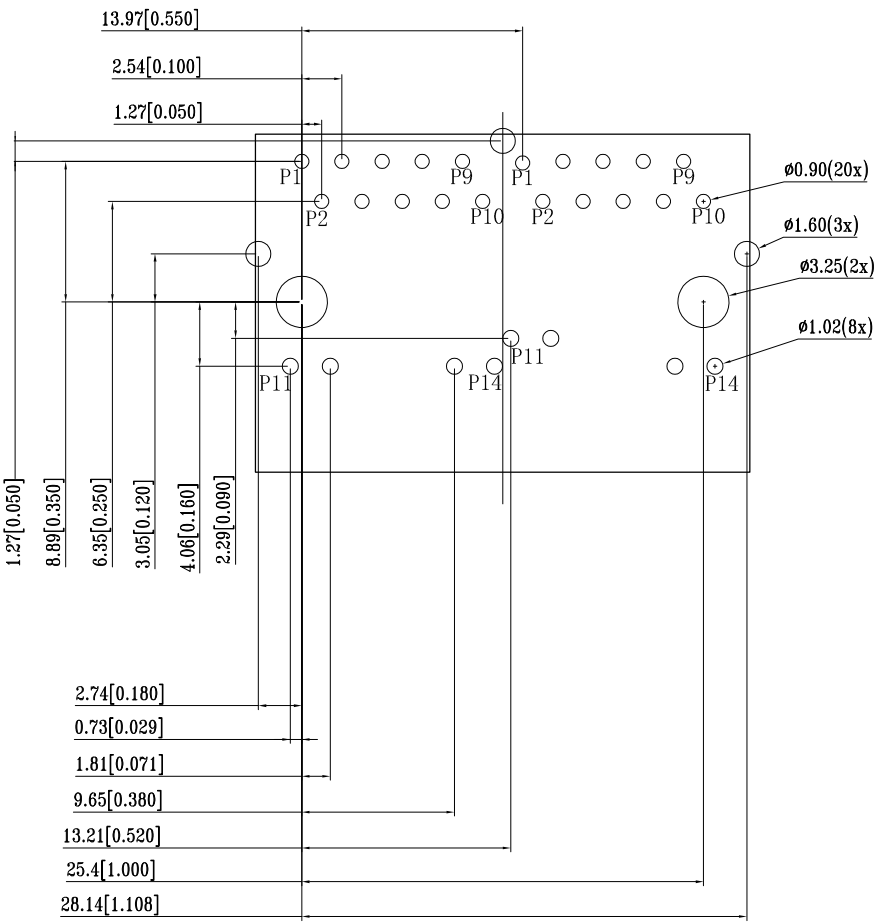


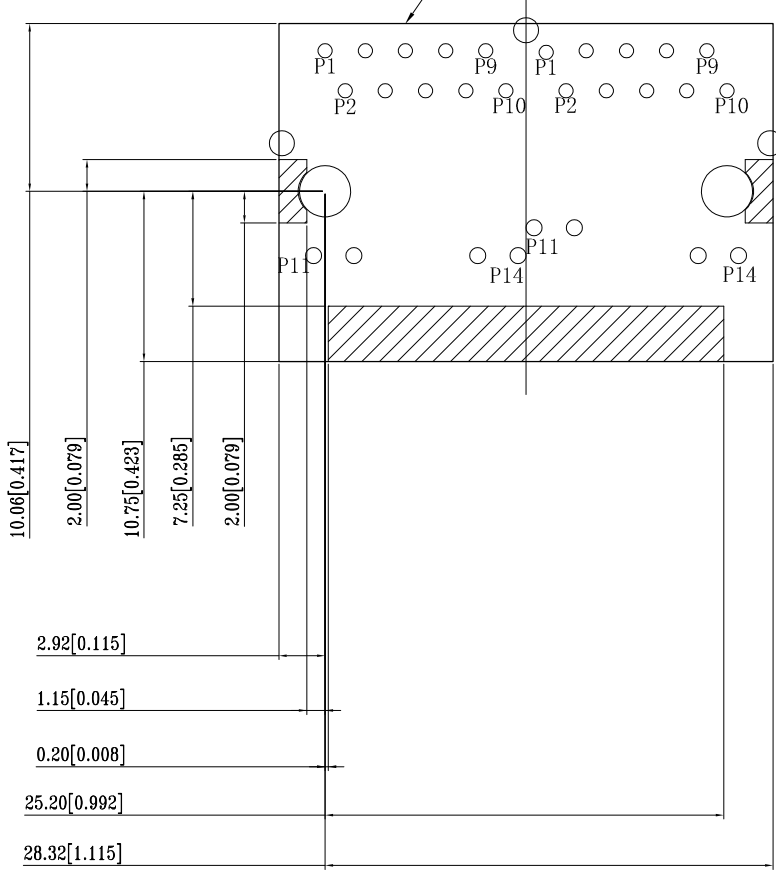


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

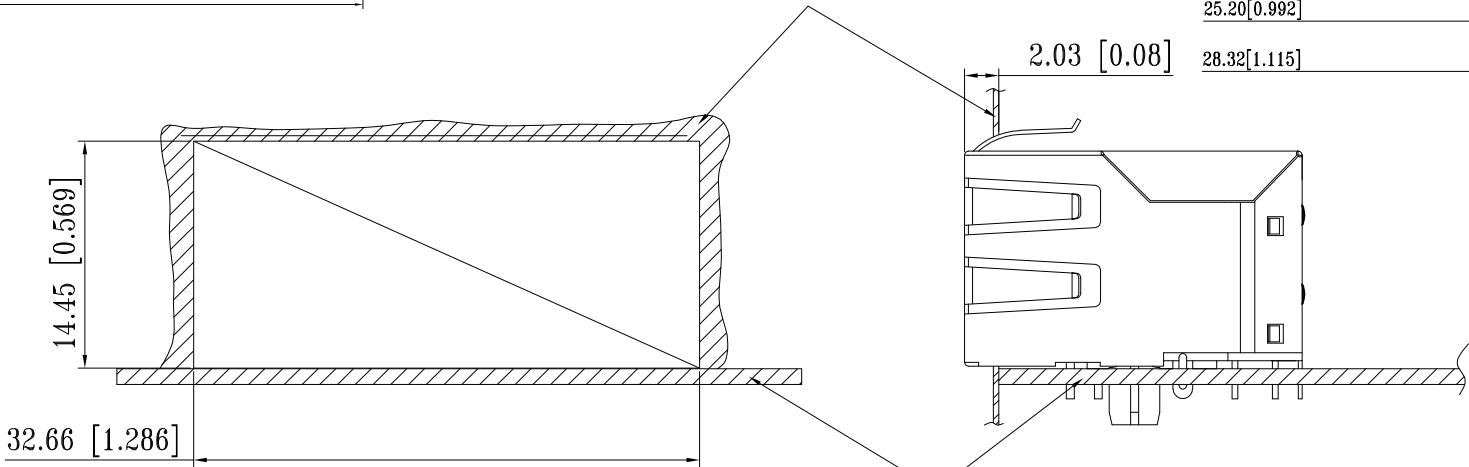
SUGGESTED PCB LAYOUT



Connector Boundary



METAL PANEL



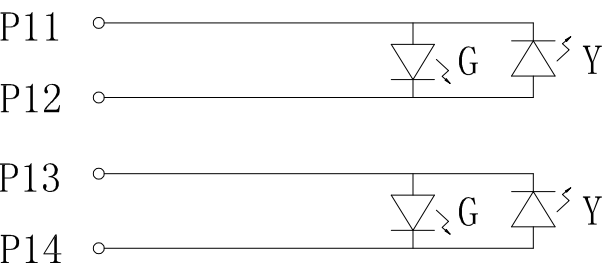
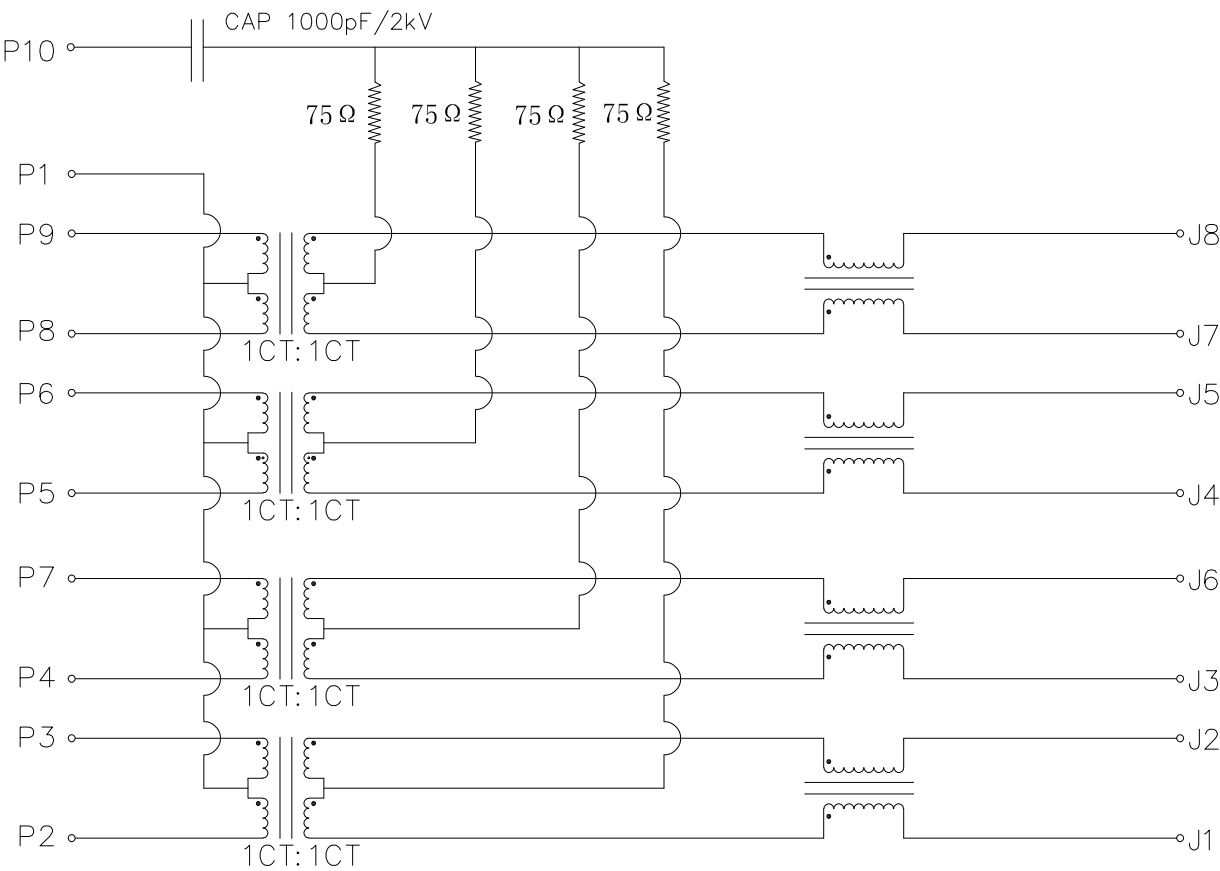
PCB

UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 27AUG2016	TE Connectivity		
		CHK FRANZ MUELLER 27AUG2016			
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD MARTIN SZELAG 27AUG2016	NAME RJ45 JACK INT.MAG. 1Gb LED 1x2		
		PRODUCT SPEC 108-94552			
	0 PLC $\pm -$ 1 PLC $\pm -$ 2 PLC $\pm -$ 3 PLC $\pm -$ 4 PLC $\pm -$ ANGLES $\pm -$	APPLICATION SPEC 114-94447			
		WEIGHT 0			
MATERIAL 	FINISH 	CUSTOMER DRAWING	SIZE A3	CAGE CODE 00779	DRAWING NO C-2301996-8
			RESTRICTED TO -	SCALE 3:1	SHEET 2 of 3
			REV A1		

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

ELECTRICAL CIRCUIT DIAGRAM



Pin	Green	Yellow		Green	Yellow
P11	+	-	P13	+	-
P12	-	+	P14	-	+

- 1.0 Turn Ratio @100kHz: (P2~P3):(J1~J2) = 1:1±2%
(P4~P7):(J3~J6) = 1:1±2%
(P5~P6):(J4~J5) = 1:1±2%
(P8~P9):(J7~J8) = 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 -1.0dB MAX.
100-125MHz -1.2dB MAX.
- 5.0 Return Loss: 1-40MHz -16dB MIN.
40-60MHz -12dB MIN.
60-80MHz -10dB MIN.
80-100MHz -8dB 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

2301996 - 8
WWYY-xxxx

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

FCC

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. 1Gb LED 1x2			
			PRODUCT SPEC 108-94552					
			APPLICATION SPEC 114-94447					
MATERIAL 	FINISH 		WEIGHT 0		SIZE A3	CAGE CODE 00779	DRAWING NO C-2301996-8	RESTRICTED TO —
			CUSTOMER DRAWING				SCALE 3:1	SHEET 3 OF 3