

REVISIONS

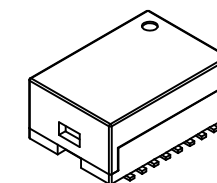
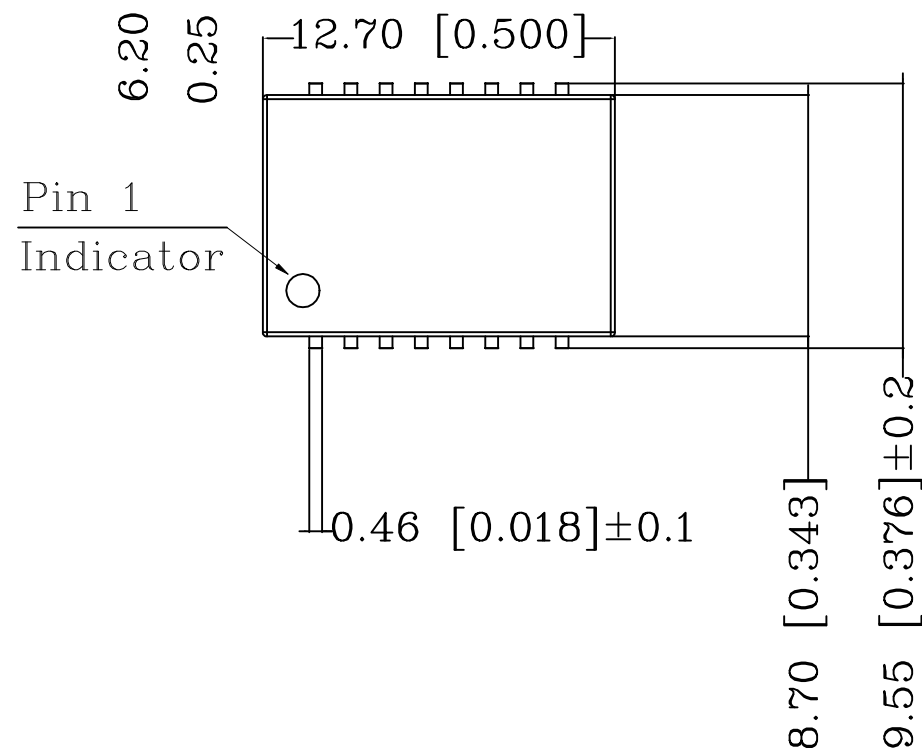
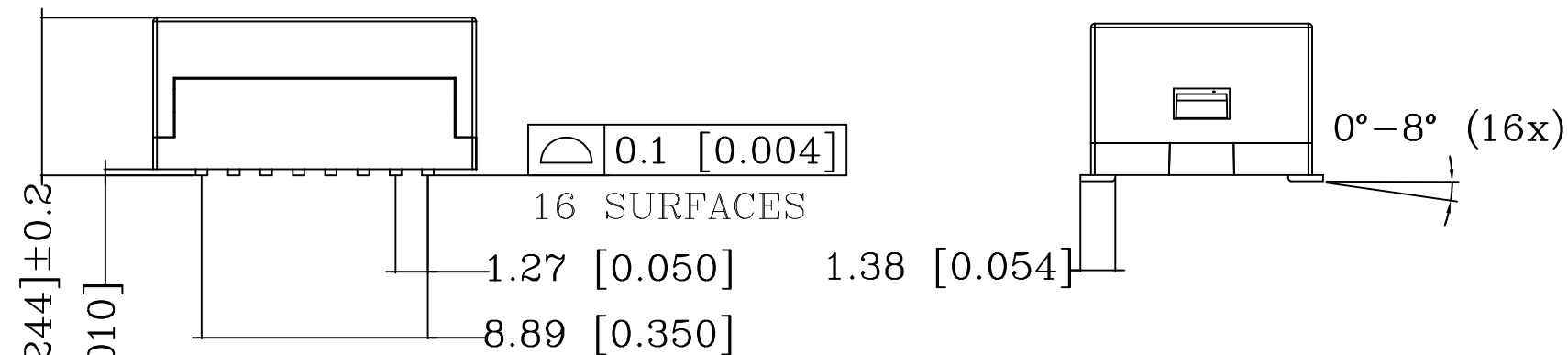
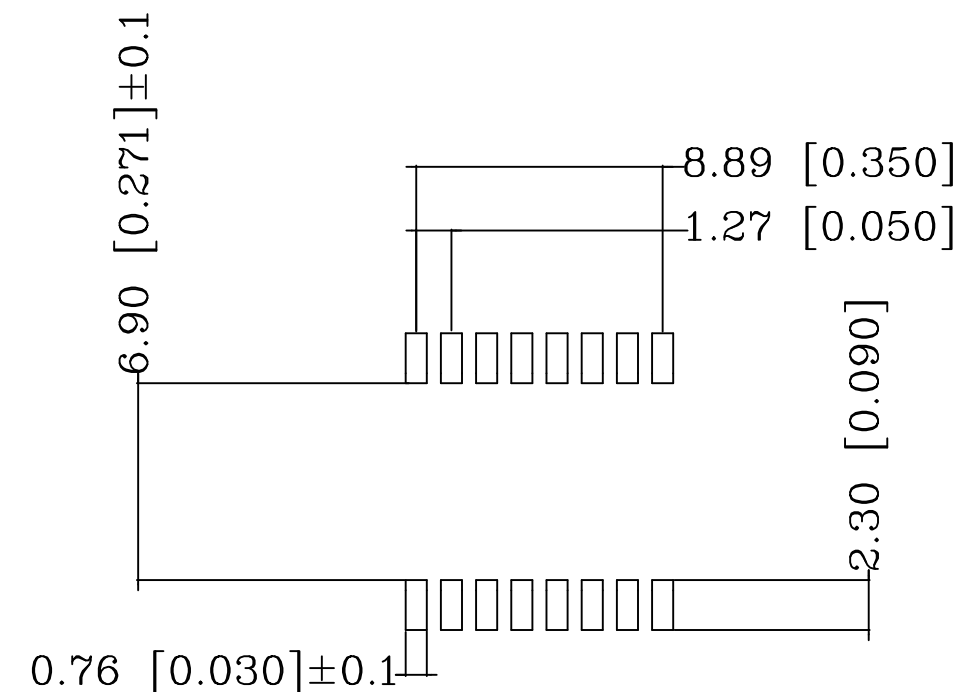
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	REVISED PER ECR-19-000980	24JAN2019	SR	JDB

△ Material:
 COVER : LCP, black, UL-94-V0
 HEADER : Black WH-9100, UL-94-V0
 LEAD FRAME: C5191-HV170-190 °
 SOLDER PIN PLATING: 7 μm (275 μinch) TIN 1.27 μm (50 μinch) NICKEL OVER ALL

- 2 THE PART IS RECOMMENDED FOR REFLOW SOLDERING PROCESS PEAK
 SOLDERING: TEMPERATURE MAX. +260 °C/-5 °C, MAX. 30s
- 3 OPERATING TEMPERATURE: T= -40 °C TO +105 °C
- 4 STORAGE TEMPERATURE: T= -40 °C TO +85 °C
- 5 DC CURRENT/VOLTAGE RATING-PSE PINS: 720mA @57V(CONTINUOUS)
- 6 MEET IEEE 802.3at REQUIRMENT

△ UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
 8 PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18128

SUGGESTED PCB LAYOUT



1:1

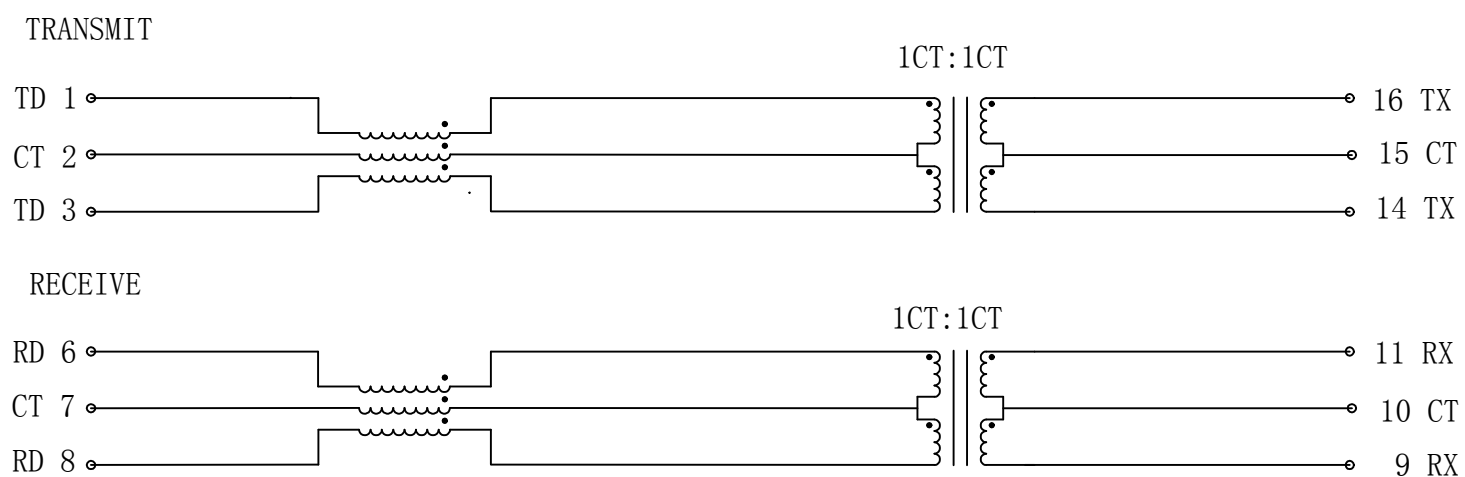
TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 05JUL2018 GANESH C M	TE TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK 05JUL2018 A.C. NGOUMGANG		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 05JUL2018 J. DE BRUIJN	NAME DISCR.ETH.MAG. POE 10/100 SINGLE SMT	
0 PLC ± -		PRODUCT SPEC 108-94693	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
1 PLC ± - △ 7		APPLICATION SPEC 114-94555	A3 00779	©=2337822-4
2 PLC ± -		WEIGHT	SCALE 5:1 SHEET 1 of 2 REV A2	
3 PLC ± -		CUSTOMER DRAWING		
4 PLC ± -				
ANGLES ± -				
MATERIAL △ 1				
FINISH △ 1				

REVISIONS

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

CIRCUIT DIAGRAM



Electrical Specifications @ 25 °C (Unless other specified meet IEEE 802.3 Specification)		
Turn Ratio	1CT:1CT ±2%	
Inductance (OCL) @100kHz/0.1V with 8mA DC Bias	350 µH min.	
Insertion Loss	0.1-100MHz	-1 dB max.
	1-30MHz	-18 dB min.
Return Loss (Zout = 100 OHMS)	40MHz	-14.4 dB min.
	50MHz	-13.1 dB min.
	80MHz	-12 dB min.
Crosstalk	30MHz	-40 dB min.
	60MHz	-35 dB min.
	100MHz	-30 dB min.
DCMR	30MHz	-40 dB min.
	60MHz	-35 dB min.
	100MHz	-30 dB min.
Isolation Voltage (Input - Output)	1500 Vrms	



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

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<table border="0"> <tr><td>0 PLC</td><td>± -</td><td rowspan="4">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><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 108-94693	SIZE A3	
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MATERIAL		APPLICATION SPEC 114-94555	CAGE CODE 00779	DRAWING NO C=2337822-4															
FINISH		WEIGHT	RESTRICTED TO -																
1		CUSTOMER DRAWING		SCALE 3:1 SHEET 2 of 2 REV A2															