

4

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REVISIONS

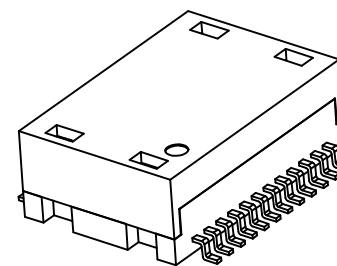
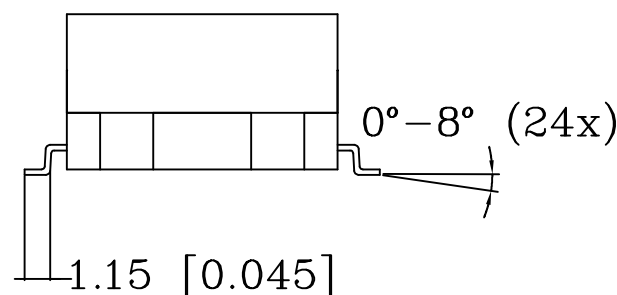
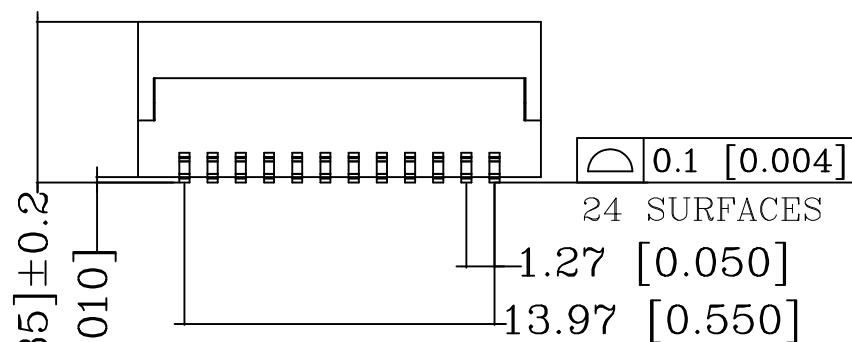
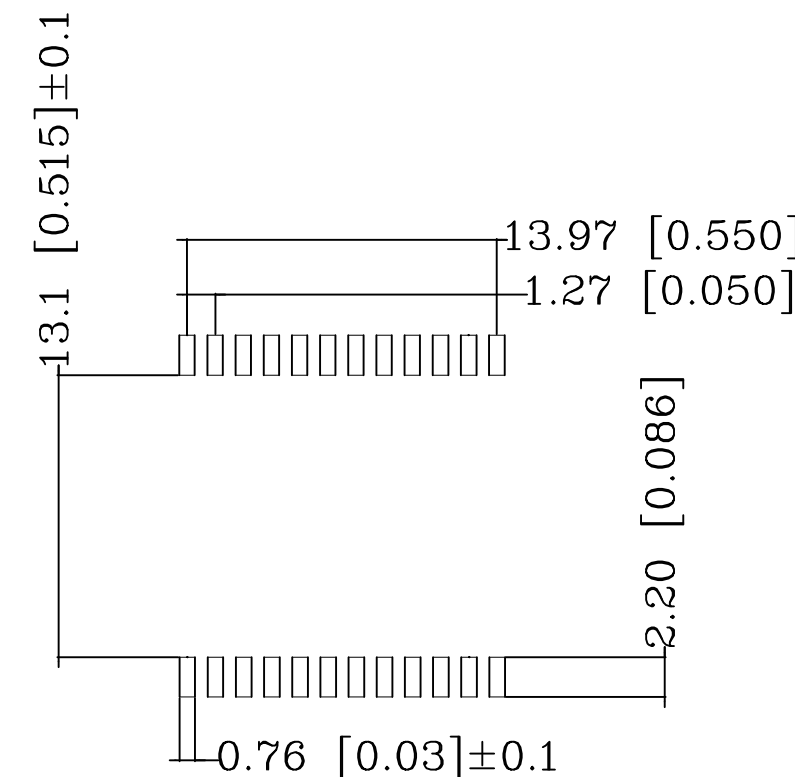
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	REVISED PER ECR-19-000980	24JAN2019	SR	JDB

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

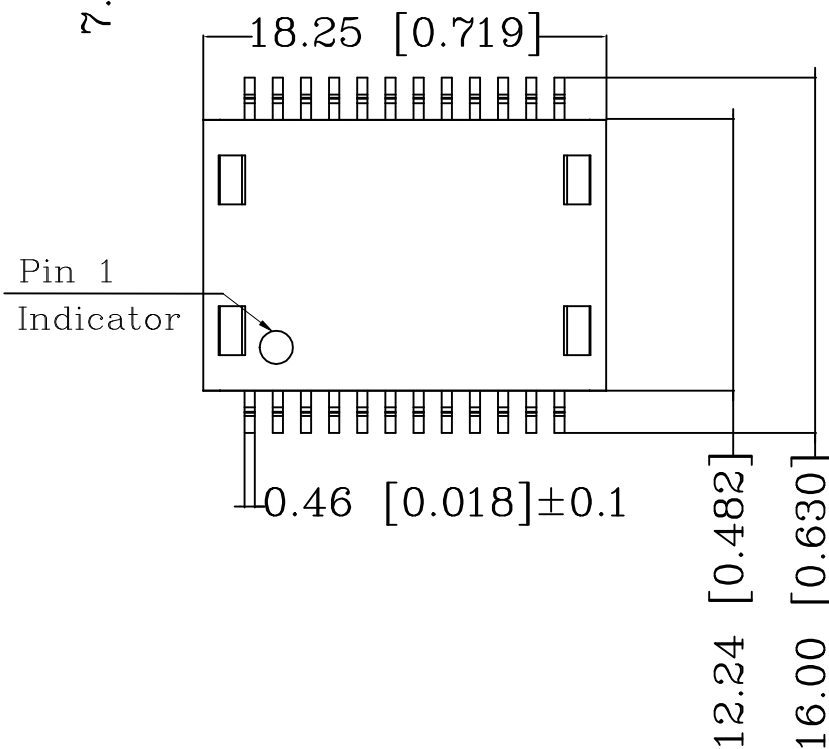
- 2 THE PART IS RECOMMENDED FOR REFLOW SOLDERING PROCESS PEAK  
SOLDERING: TEMPERATURE MAX. +260 °C/-5 °C, MAX. 30s
- 3 OPERATING TEMPERATURE: T= -40 °C TO +105 °C
- 4 STORAGE TEMPERATURE: T= -40 °C TO +85 °C
- 5 MEET IEEE 802.3ab REQUIRMENT
- 6 UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- 7 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



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		CHK	A.C. NGOUMGANG 05JUL2018		
		APVD	J. DE BRUIJN 05JUL2018		
		NAME			
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DISCR.ETH.MAG. 1G SINGLE SMT	
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-94693 APPLICATION SPEC 114-94555	
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO RESTRICTED TO A3 00779 C=2337822-2 -	
1		1		WEIGHT CUSTOMER DRAWING SCALE 3:1 SHEET 1 of 2 REV A2	

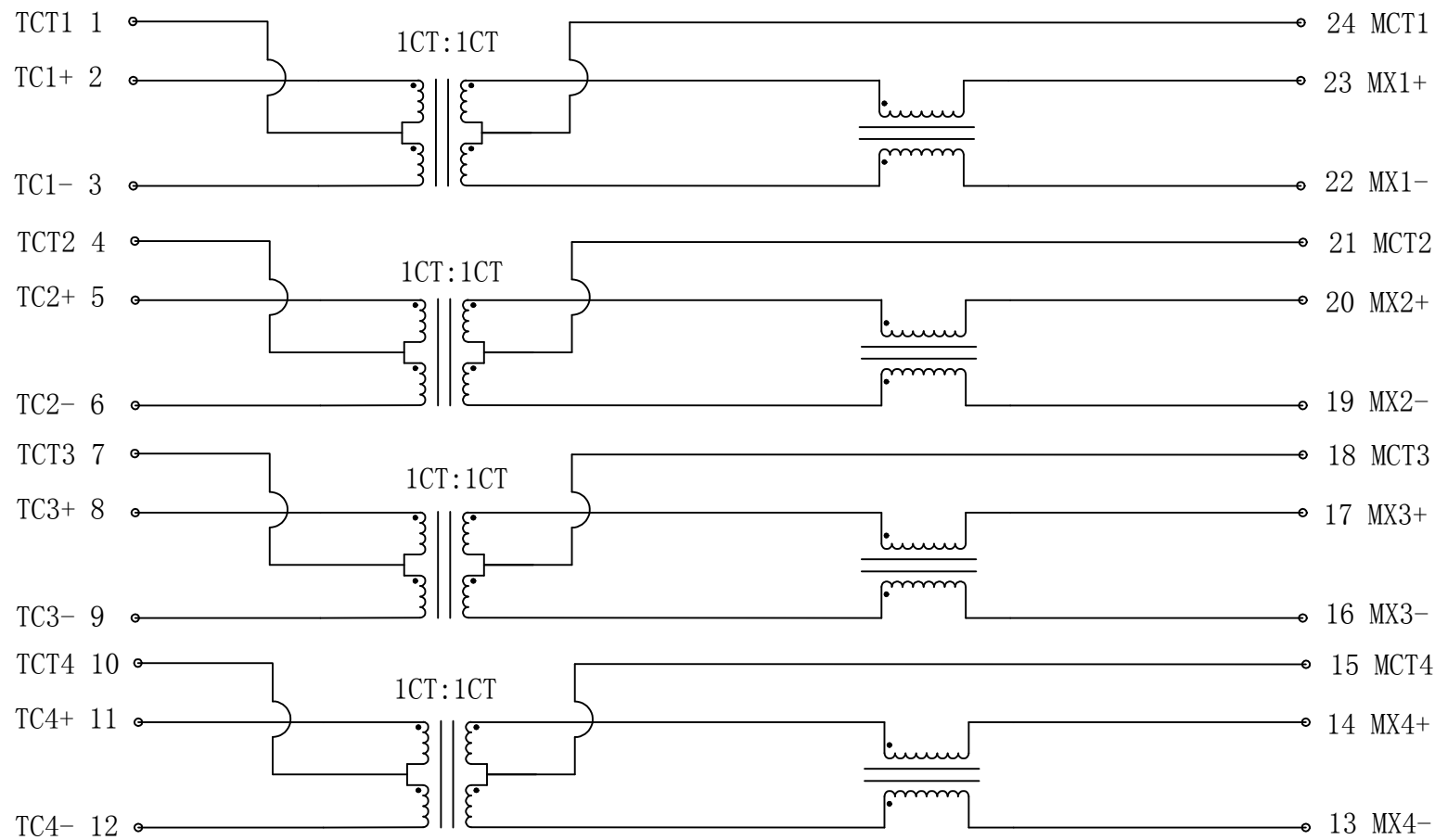
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REVISIONS

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.
Return Loss (Zout = 100 OHMS)	1-30MHz	-18 dB min.
	40MHz	-14.4 dB min.
	50MHz	-13.1 dB min.
	80MHz	-12 dB min.
Crosstalk	100MHz	-10 dB min.
	30MHz	-40 dB min.
	60MHz	-35 dB min.
DCMR	100MHz	-30 dB min.
	30MHz	-40 dB min.
	60MHz	-35 dB min.
Isolation Voltage (Input - Output)	1500 Vrms	



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

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DIMENSIONS: mm [INCHES]		CHK A.C. NGOUMGANG 05JUL2018														
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J. DE BRUIJN 05JUL2018	NAME DISCR.ETH.MAG. 1G SINGLE SMT													
<table border="0"> <tr><td>0 PLC</td><td>± -</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></tr> </table>		0 PLC	± -	1 PLC	± -	2 PLC	± -	3 PLC	± -	4 PLC	± -	ANGLES	± -	PRODUCT SPEC 108-94693	SIZE A3	
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FINISH		WEIGHT	RESTRICTED TO													
CUSTOMER DRAWING		SCALE 3:1	SHEET 2 of 2													
				REV A2												