

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	NEW RELEASE	20DEC2018	GCM	JDB

Material:

COVER : Black PF2A5-151J, UL-94-V0
 HEADER : Black PF2A5-151J, UL-94-V0
 SOLDER PIN: CP WIRE
 SOLDER PIN PLATING: 4 μm (157 μinch) MIN. 100% TIN,
 8 μm (315 μinch) MIN. COPPER OVER ALL

2 THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS

SOLDERING: TEMPERATURE +260 ±5 °C, 10 ±1 s

3 OPERATING TEMPERATURE: T= -40 °C TO +85 °C

4 STORAGE TEMPERATURE: T= -40 °C TO +85 °C

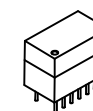
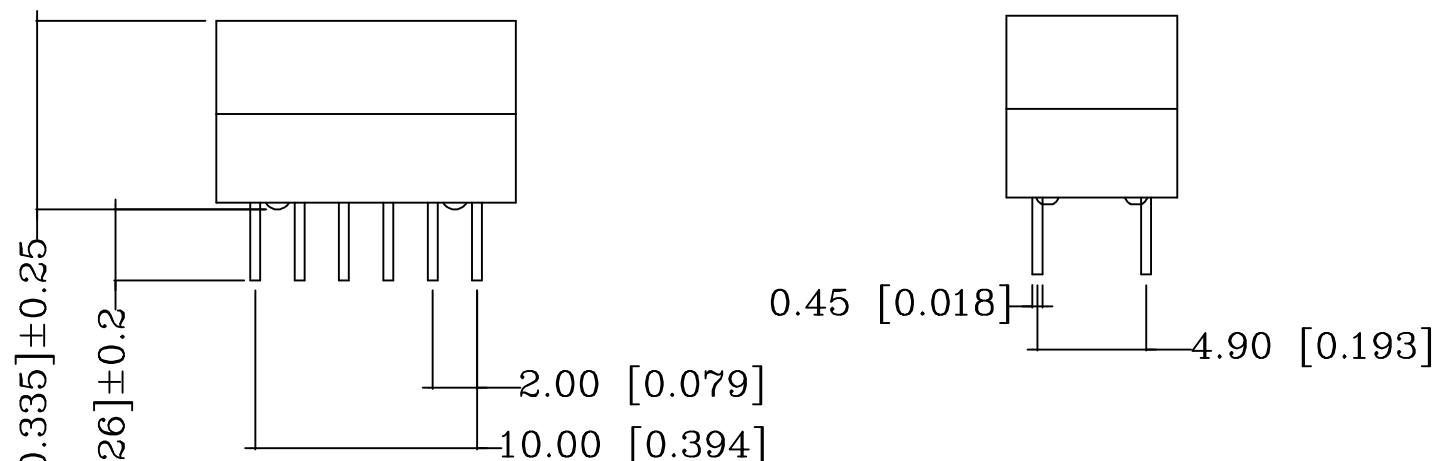
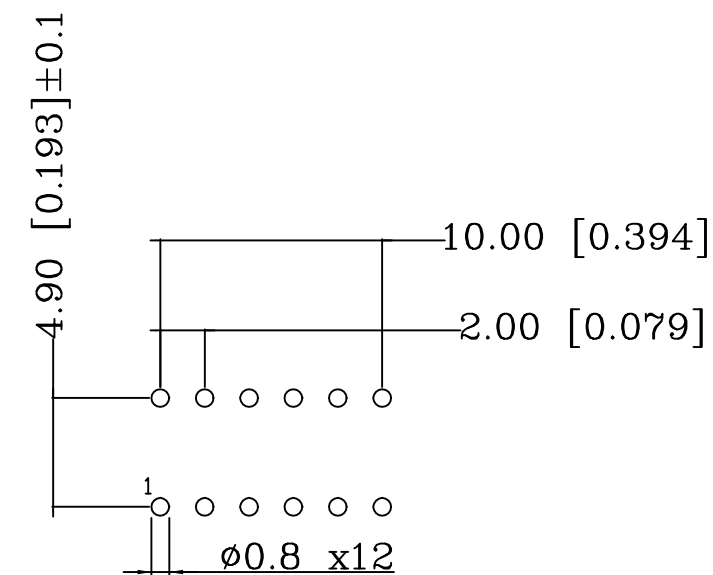
5 DC CURRENT/VOLTAGE RATING-PSE PINS: 720mA @57V(CONTINUOUS)

6 MEET IEEE 802.3at REQUIRMENT

UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES

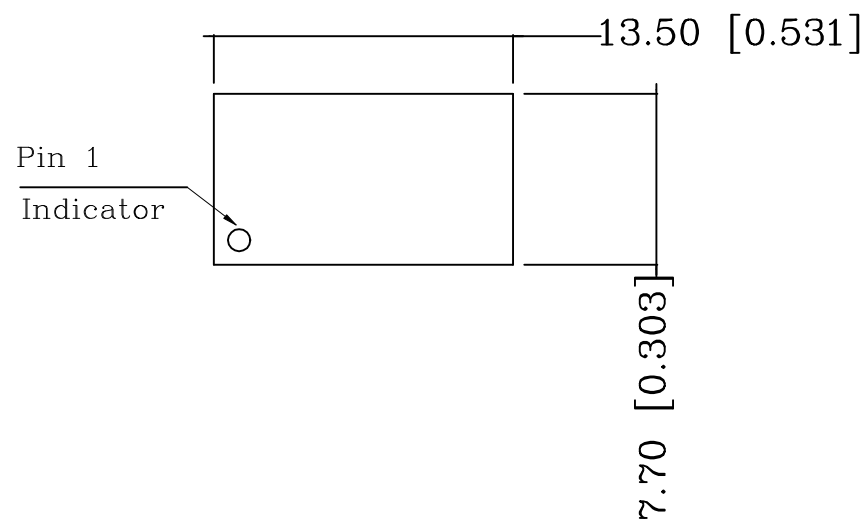
8 PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18128

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	GANESH C M		20DEC2018
DIMENSIONS: mm [INCHES]		CHK	A.C. NGOUMGANG		20DEC2018
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	J. DE BRUIJN		20DEC2018
0 PLC ± -		PRODUCT SPEC		NAME	
1 PLC ± -		108-94693		DISCR.ETH.MAG. 10/100 SINGLE THT POE	
2 PLC ± -		APPLICATION SPEC		SIZE	
3 PLC ± -		114-94555		CAGE CODE	
4 PLC ± -		WEIGHT		DRAWING NO	
ANGLES ± -		CUSTOMER DRAWING		A3 00779	
FINISH		SCALE		SHEET	
1		4:1		1 of 2	
1		REV		A1	

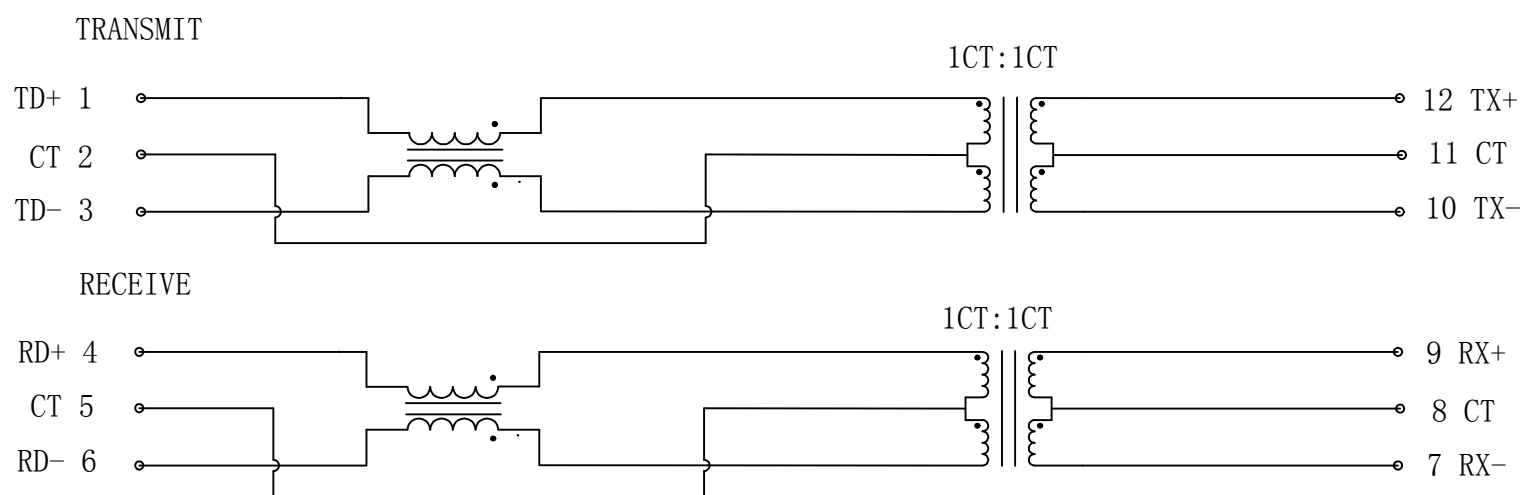
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-	-	SEE SHEET 1	-	-	-

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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DIMENSIONS: mm [INCHES]		CHK A.C. NGOUMGANG 20DEC2018		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J. DE BRUIJN 20DEC2018	PRODUCT SPEC	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		108-94693	APPLICATION SPEC	
MATERIAL		114-94555	RESTRICTED TO	
FINISH		1	SIZE A3	CAGE CODE 00779
		CUSTOMER DRAWING	DRAWING NO C=2337823-2	SCALE 4:1
			WEIGHT	SHEET 2 of 2
				REV A1