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-,2018.

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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

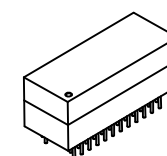
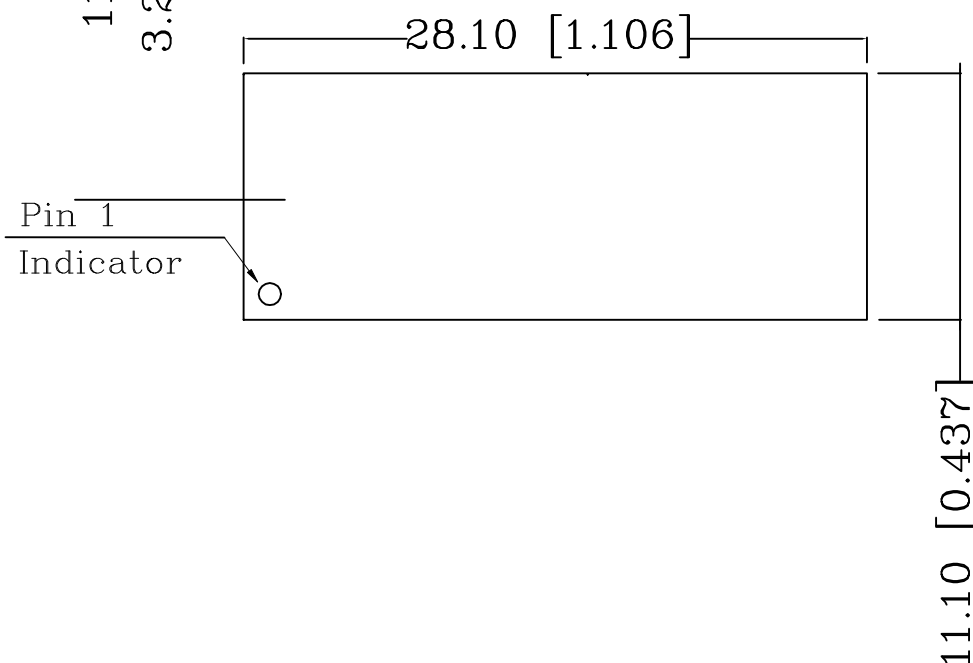
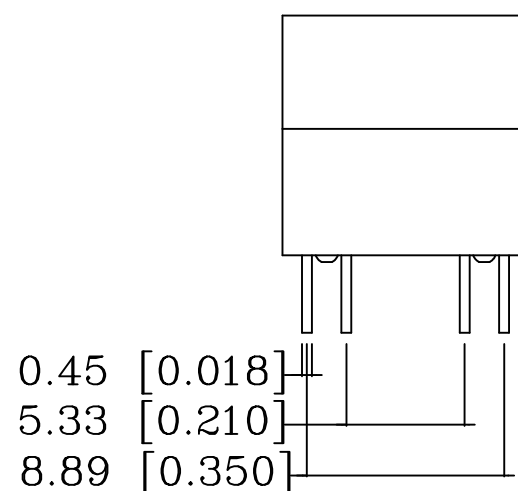
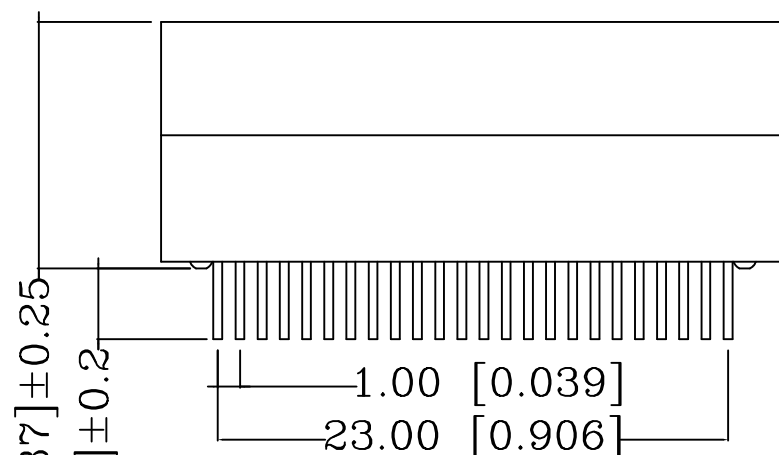
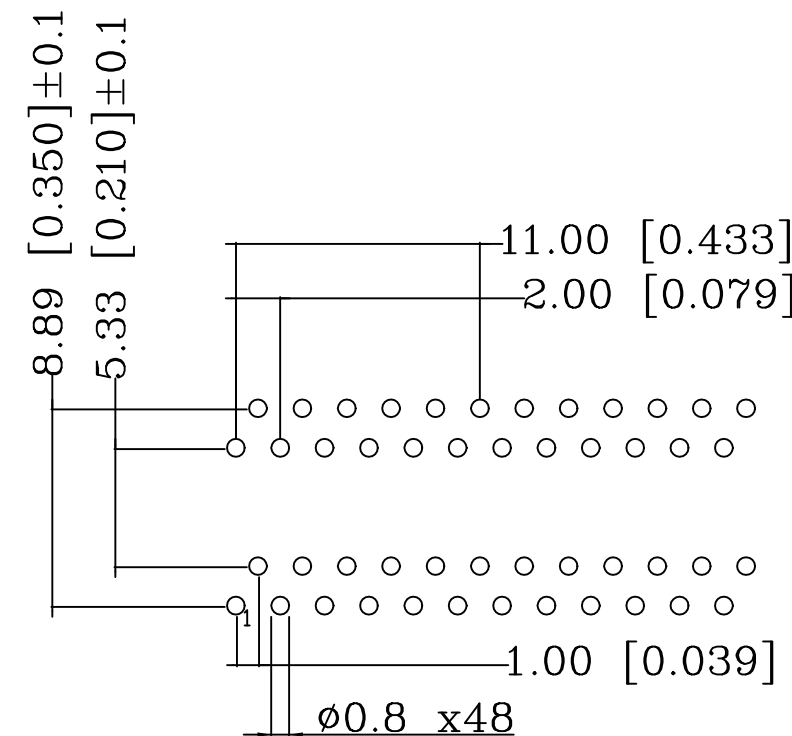
4 STORAGE TEMPERATURE: T= -40 °C TO +85 °C

5 MEET IEEE 802.3u REQUIRMENT

⚠ 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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 20DEC2018 CHK GANESH C M A.C. NGOUMGANG APVD 20DEC2018 J. DE BRUIJN PRODUCT SPEC 108-94693 APPLICATION SPEC 114-94555 WEIGHT	TE Connectivity	
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME DISCR.ETH.MAG. 10/100 QUAD THT	
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - FINISH	⚠ 6	SIZE A3	CAGE CODE 00779
MATERIAL ⚠ 1		⚠ 1	DRAWING NO C=2337827-1	RESTRICTED TO -
CUSTOMER DRAWING		SCALE 4:1	SHEET 1 of 2	REV A1

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- ,2018.

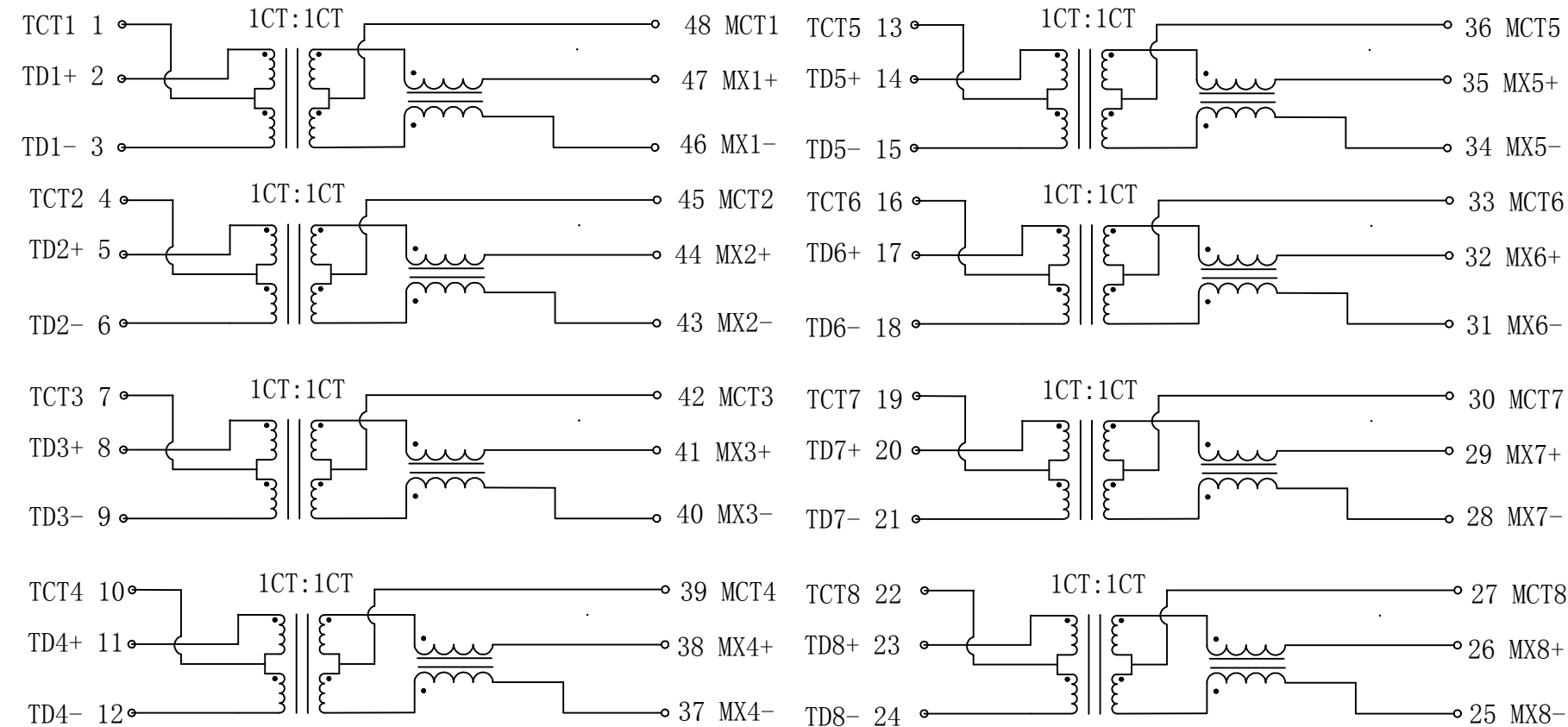
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REVISIONS

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.
Crosstalk	80MHz	–12 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)	100MHz	–30 dB min.
	30MHz	–40 dB min.
	60MHz	–35 dB min.
1500 Vrms		



2337827-1
WWYY-xxxx

CONTROL CODE

DATE CODE

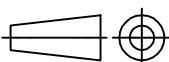
"0213"

YY-YEAR

WW-WEEK

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]



MATERIAL



TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -



FINISH



DWN 20DEC2018

CHK GANESH C M

20DEC2018

A.C. NGOUMGANG

APVD 20DEC2018

J. DE BRUIJN

PRODUCT SPEC

108-94693

APPLICATION SPEC

114-94555

WEIGHT

CUSTOMER DRAWING



TE Connectivity

NAME

DISCR.ETH.MAG. 10/100 QUAD THT

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

©=2337827-1

-

SCALE

4:1

SHEET

2 of 2

REV

A1

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