

4

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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 μ m (157 μ inch) MIN. 100% TIN,
8 μ m (315 μ inch) MIN. COPPER OVER ALL

2 THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS

SOLDERING: TEMPERATURE +260 $\pm$ 5 $^{\circ}$ C, 10 $\pm$ 1 s

3 OPERATING TEMPERATURE: T= -40 $^{\circ}$ C TO +85 $^{\circ}$ C

4 STORAGE TEMPERATURE: T= -40 $^{\circ}$ C TO +85 $^{\circ}$ C

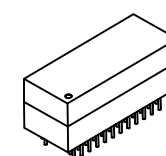
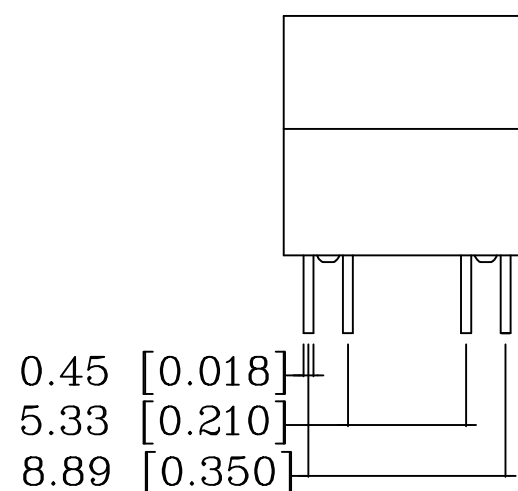
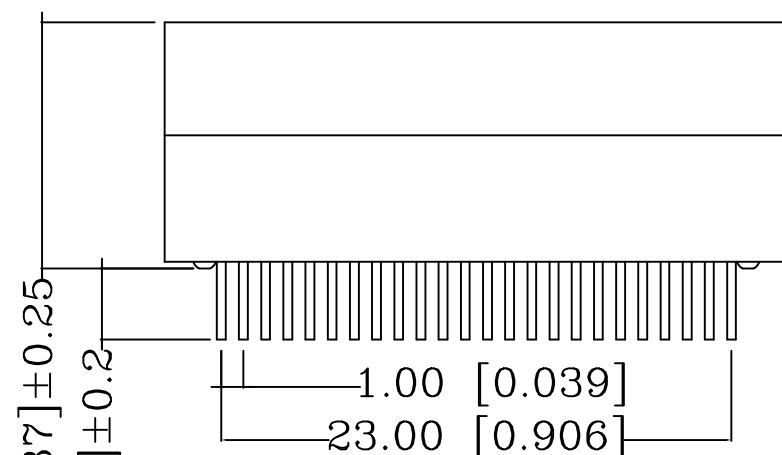
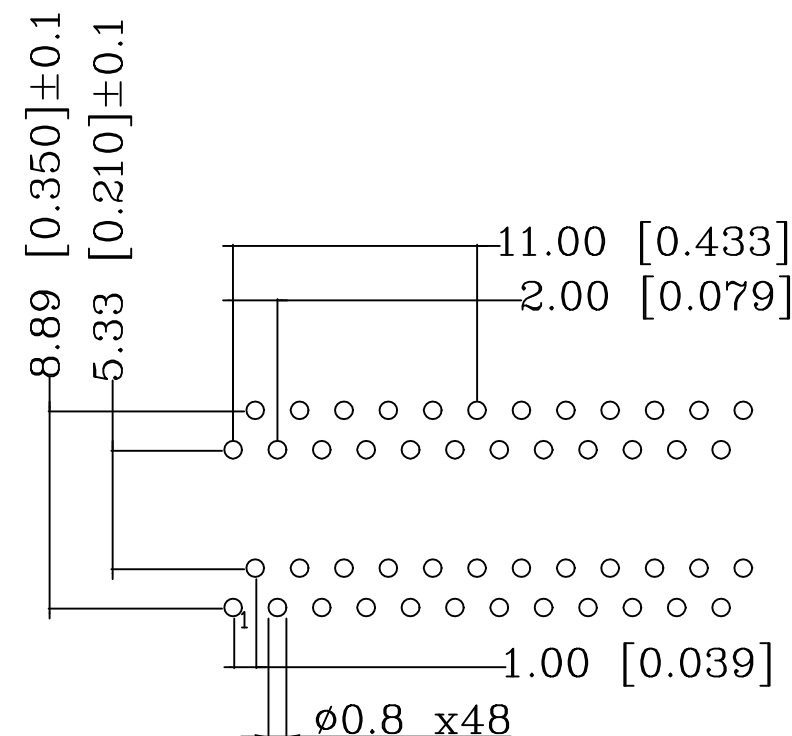
5 DC CURRENT/VOLTAGE RATING-PSE PINS: 720mA @57V(CONTINUOUS)

6 MEET IEEE 802.3at REQUIRMENT

⚠ UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES

8 PACKAGING: TUBE ACCORDING TO PACKAGING SPECIFICATION 107-18128

SUGGESTED PCB LAYOUT



1:1

Pin 1
Indicator

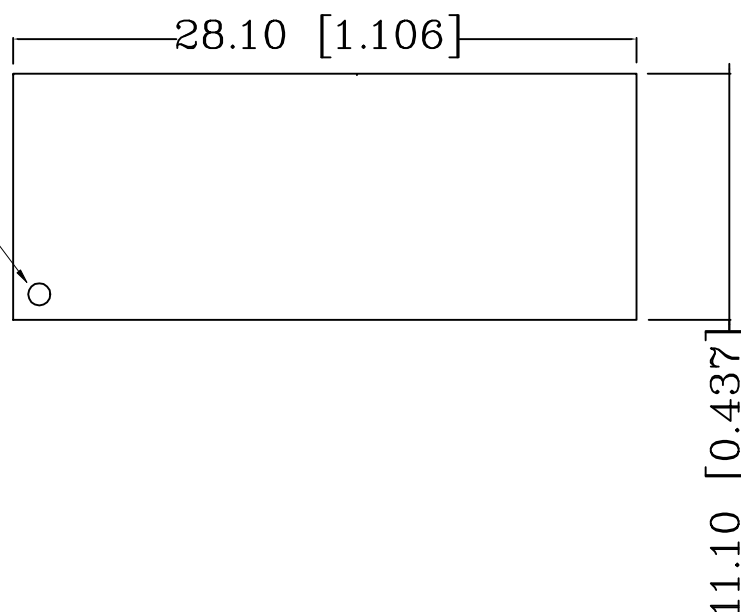


TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	$\pm$ 0.15
>10-40	$\pm$ 0.25
>40-70	$\pm$ 0.30
>70	$\pm$ 0.40

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 20DEC2018	TE Connectivity		
		CHK A.C. NGOUMGANG 20DEC2018			
		APVD J. DE BRUIJN 20DEC2018	NAME DISCR.ETH.MAG. 1GB DUAL THT POE		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94693			
		APPLICATION SPEC 114-94555			
MATERIAL 1		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-5-2337825-4
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC $\pm$ - 1 PLC $\pm$ - 2 PLC $\pm$ - 3 PLC $\pm$ - 4 PLC $\pm$ - ANGLES $\pm$ - FINISH 1		CUSTOMER DRAWING	SCALE 4:1	SHEET 1 of 2	REV A1

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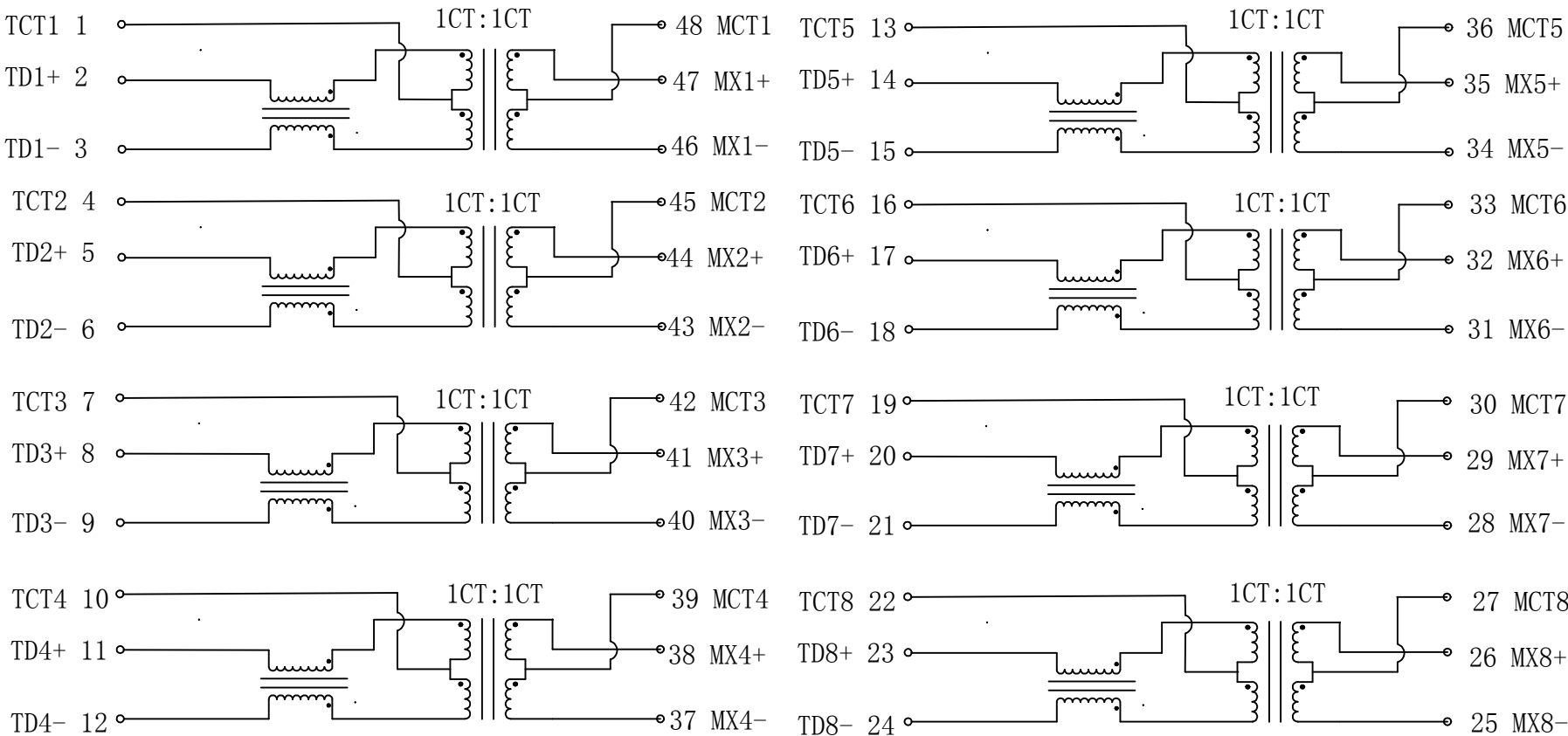
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REVISIONS

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	



5-2337825-4
WWYY-xxxx

CONTROL CODE

DATE CODE

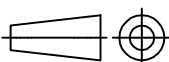
"0213"

YY-YEAR

WW-WEEK

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DIMENSIONS:
mm [INCHES]

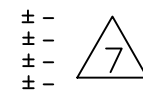


MATERIAL



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. 1GB DUAL THT POE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	5-2337825-4	-

SCALE	SHEET	REV
4:1	2 of 2	A1