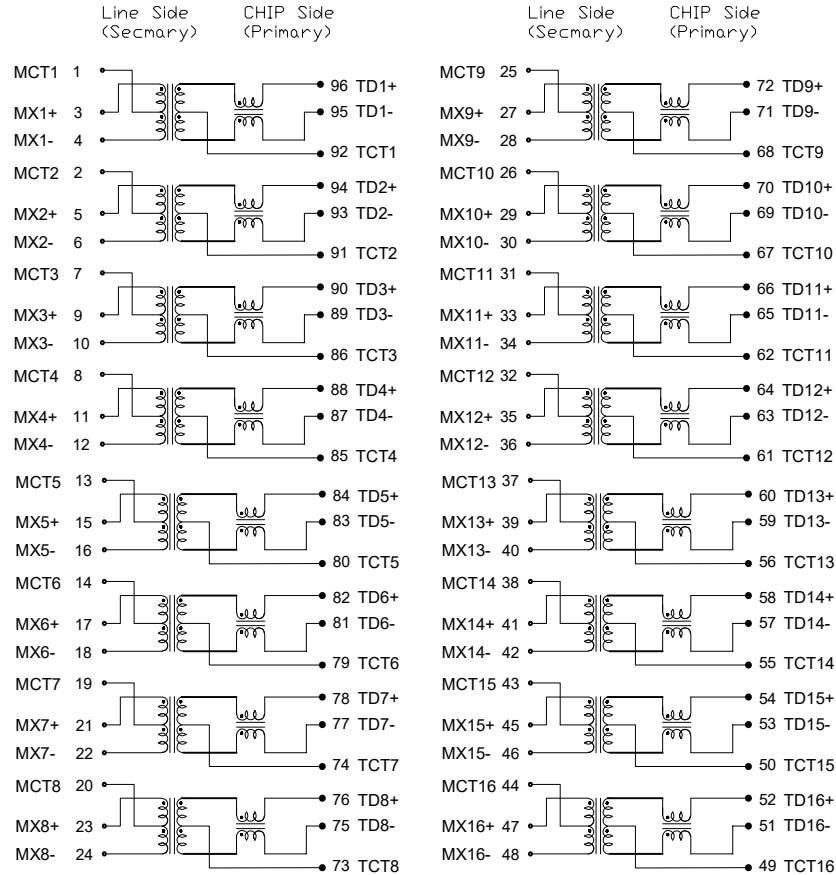


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ELECTRICAL CHARACTERISTICS @ 25°C



SCHEMATIC



TURNS RATIO

Tx SIDE: 1CT : 1CT

QCL

350uH Min.  
@100KHz,100mV,WITH 8mA DC BIAS.

PIN<3-4>,<5-6>,<9-10>,<11-12>,<15-16>,<17-18>,<21-22>,<23-24>  
PIN<27-28>,<29-30>,<33-34>,<35-36>,<39-40>,<41-42>,<45-46>,<47-48>

INSERTION LOSS

-1.0dB MAX. @ 1MHz TO 100MHz

RETURN LOSS

MEASURED UNDER A  
100 ENVIRONMENT

-18dB MIN. @ 1-30MHz

-14.4dB MIN. @ 40MHz

-13.1dB MIN. @ 50MHz

-12dB MIN. @ 60-80MHz

-10dB MIN. @ 80-100MHz

CROSSTALK

-30dB MIN. AT 1MHz TO 100MHz

CMRR

-30dB MIN. AT 1MHz TO 100 MHz

HIPOT

LEAKAGE CURRENT LESS THAN 1mA AT 1500VAC

Applicable Operating temp

0°C~+70°C

Suitable for End-span PoE applications with 720mA current capability

ORIGINATED BY	DATE
yan bin zhang	2026-5-29
DRAWN BY	DATE
ting shu yang	2026-5-29

TITLE
Electrical specification
QUAD 1000BASE-T module

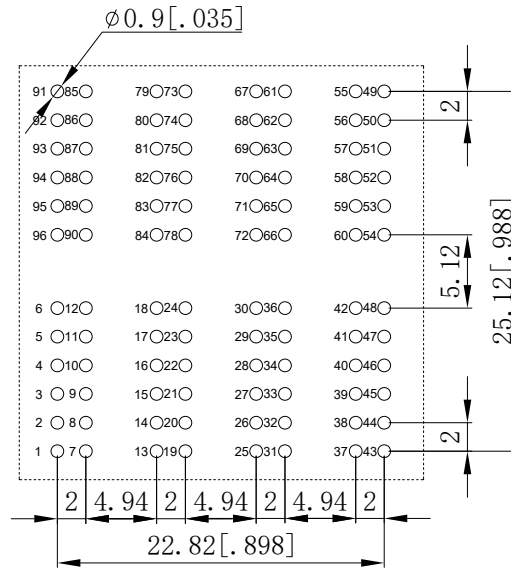
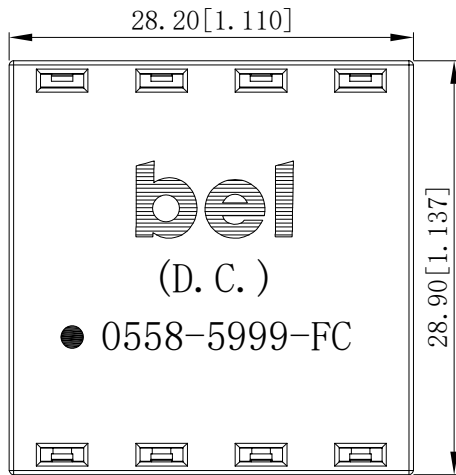
PART NO. / DRAWING NO.	STANDARD DIM.
0558-5999-FC	TOL. MM
FILE NAME	.X
0558-5999-FC_A.DWG	.XX
	.XXX

METRIC DIM. AS REF.
UNIT : mm[INCH]
SCALE : N/A
SIZE : A4

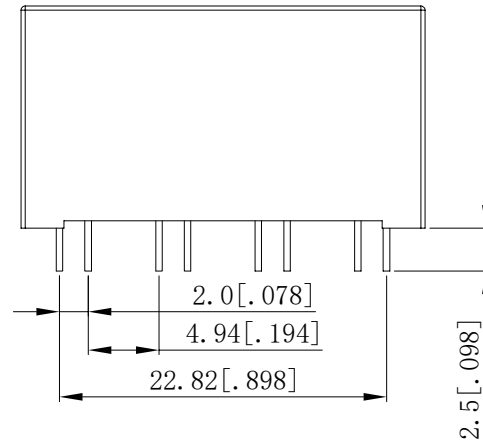
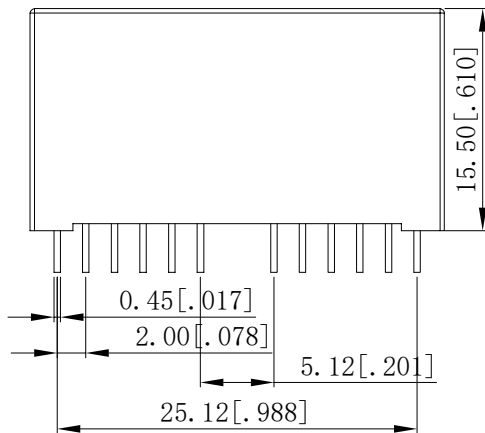
REV. : A/1	PAGE : 1
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RoHS



SUGGESTED PCB LAYOUT



REV. : A/1 PAGE : 2

ORIGINATED BY	DATE
yan bin zhang	2026-5-29
DRAWN BY	DATE
ting shu yang	2026-5-29

TITLE
Electrical specification
QUAD 1000BASE-T module

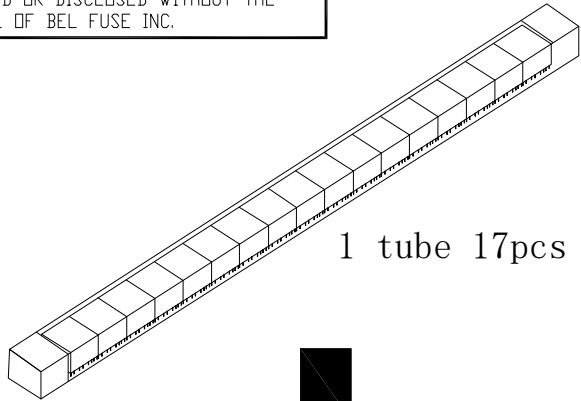
PART NO. / DRAWING NO.
0558-5999-FC
FILE NAME
0558-5999-FC_A.DWG

STANDARD DIM.	METRIC DIM. AS REF.
TOL. MM	UNIT : mm[INCH]
.X	SCALE : N/A
.XX ±0.25	SIZE : A4
.XXX ±0.127	

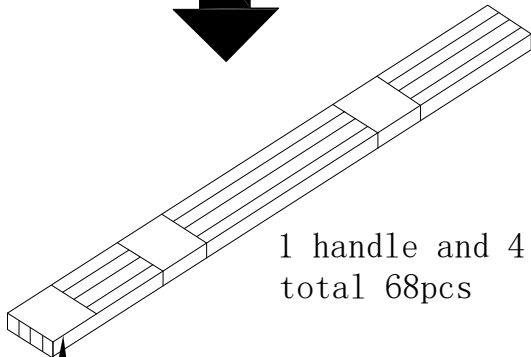
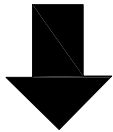
UNIT : mm[INCH]	SCALE : N/A	SIZE : A4
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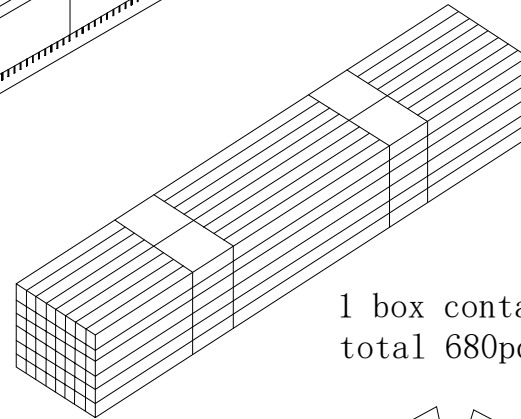
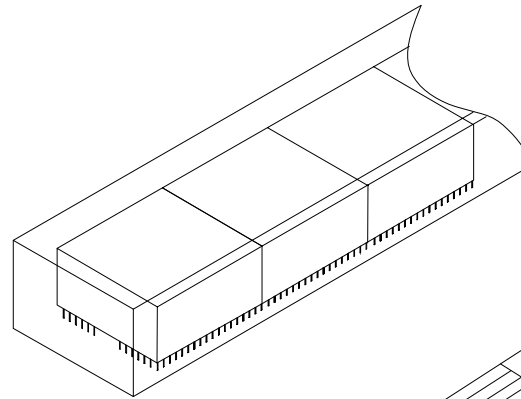
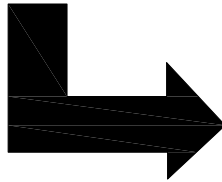


1 tube 17pcs

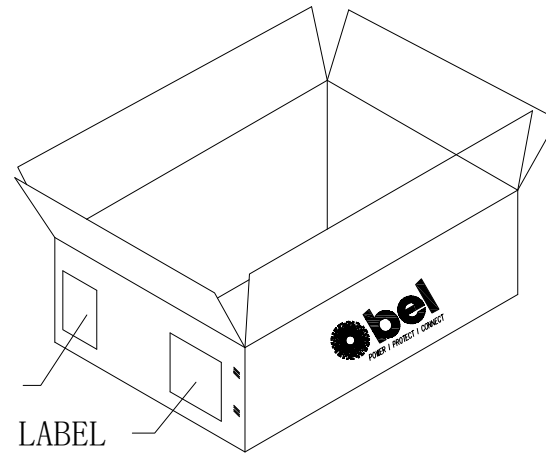


1 handle and 4 tubes  
total 68pcs

PRODUCT LABEL



1 box contains 10 handfulls  
total 680pcs



SHIPPING LABEL

PRODUCT LABEL

REV. : A/1 PAGE : 3

ORIGINATED BY ya cheng zhou	DATE 2026-5-29	TITLE PACKING SPECIFICATION FOR 0558-5999-FC	PART NO. / DRAWING NO. 0558-5999-FC	STANDARD DIM. TOL. MM .X .XX .XXX	METRIC DIM. AS REF. UNIT : mm[INCH] SCALE : N/A SIZE : A4
DRAWN BY ting shu yang	DATE 2026-5-29		FILE NAME 0558-5999-FC_A.DWG		

