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ELECTRICAL CHARACTERISTICS @ 25°C



SECEMATIC

URNS RATIO

Tx SIDE:

1CT : 1CT

□CL

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 -18dB MIN. @ 1-30MHz

MEASURED UNDER A -14.4dB MIN. @ 40MHz

100 ENVIRONMENT -13.1dB MIN. @ 50MHz

-12dB MIN. @ 60-80MHz

-10dB MIN. @ 80-100MHz

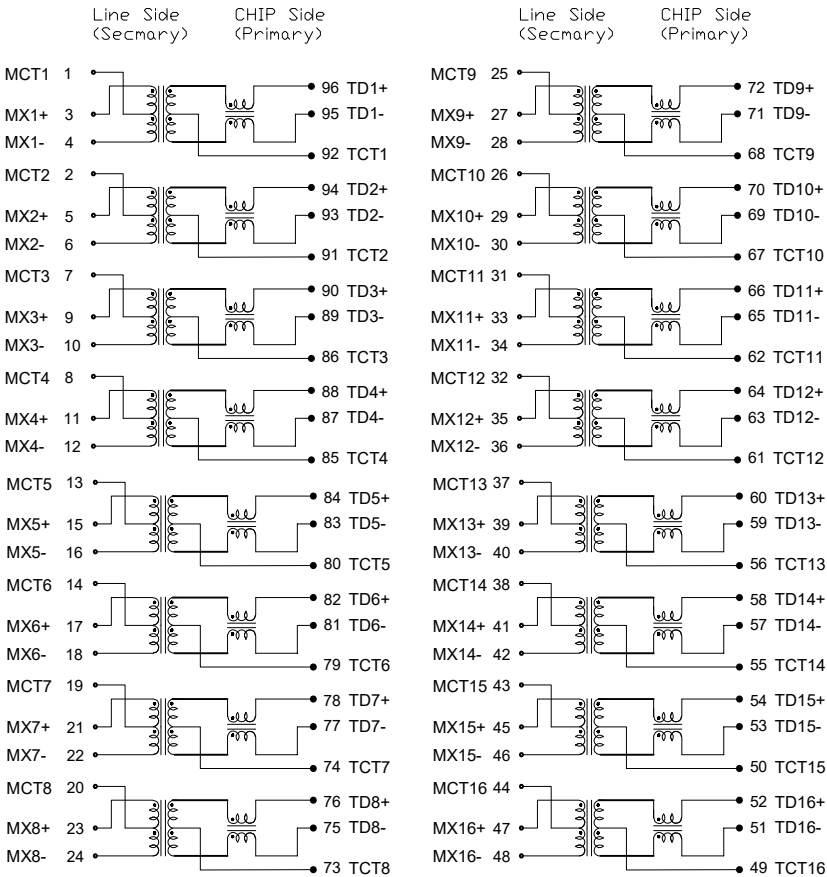
CROSSTALK -30dB MIN. AT 1MHz TO 100MHz

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.
0558-5999-FC
FILE NAME
0558-5999-FC_A.DWG

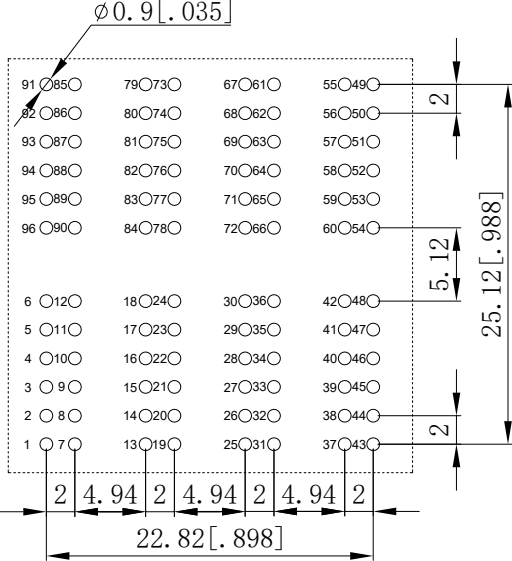
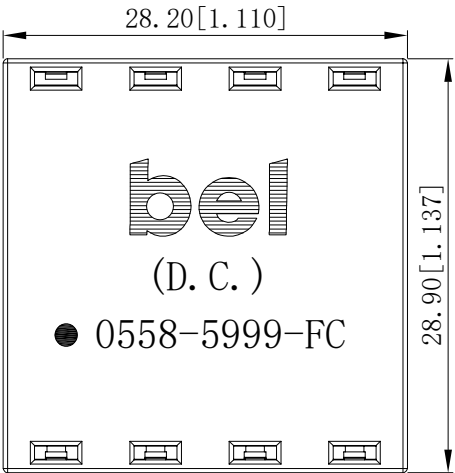
STANDARD DIM.	METRIC DIM. AS REF.
TOL. MM	UNIT : mm[INCH]
.X	SCALE : N/A
.XX	SIZE : A4
.XXX	

REV. : A/1PAGE : 1

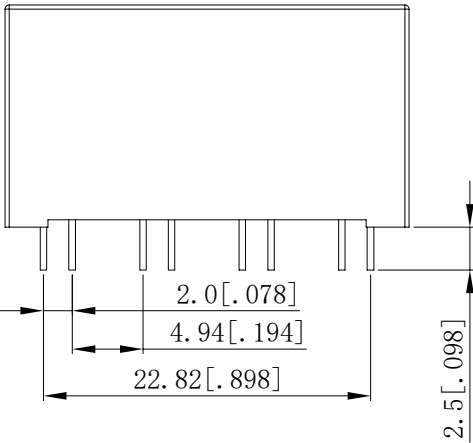
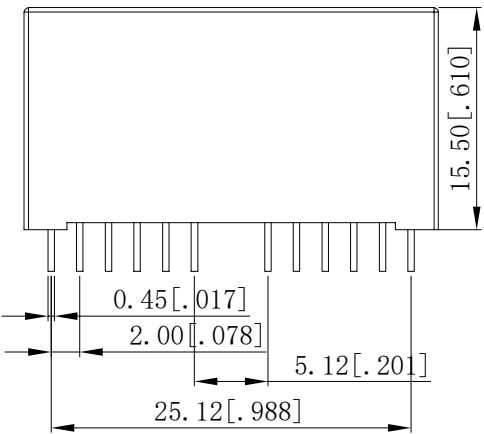

POWER | PROTECT | CONNECT

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RoHS



SUGGESTED PCB LAYOUT

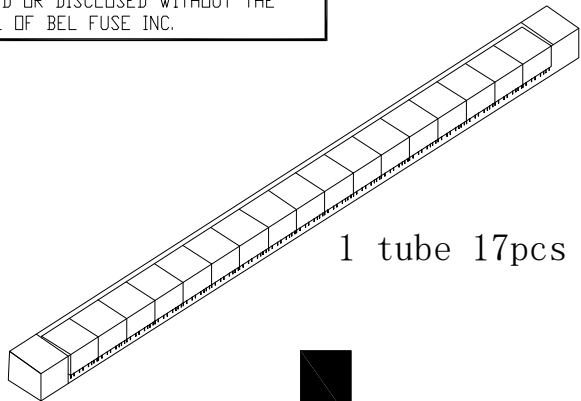


REV. : A/1 PAGE : 2

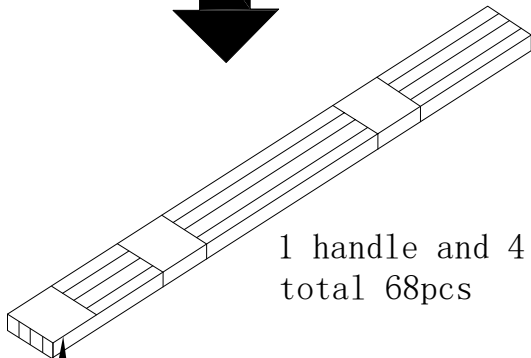
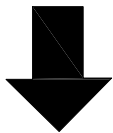
ORIGINATED BY yan bin zhang 2026-5-29	DATE 2026-5-29	TITLE Electrical specification QUAD 1000BASE-T module	PART NO. / DRAWING NO. 0558-5999-FC		STANDARD DIM. TOL. MM		METRIC DIM. AS REF.	
			FILE NAME 0558-5999-FC_A.DWG		.X .XX ±0.25 .XXX ±0.127		UNIT : mm[INCH] SCALE : N/A SIZE : A4	



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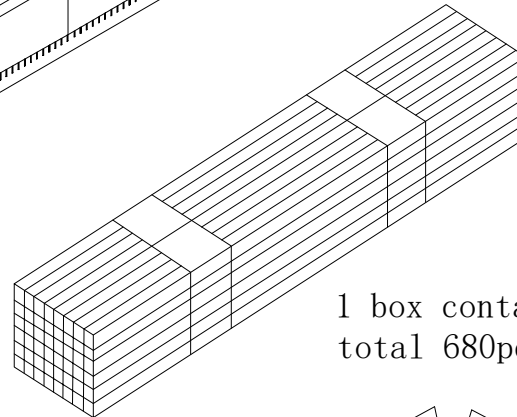
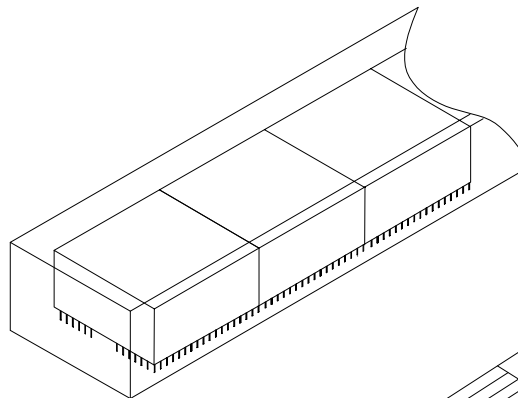
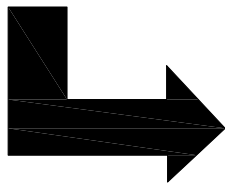
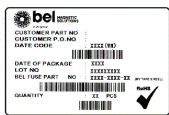


1 tube 17pcs

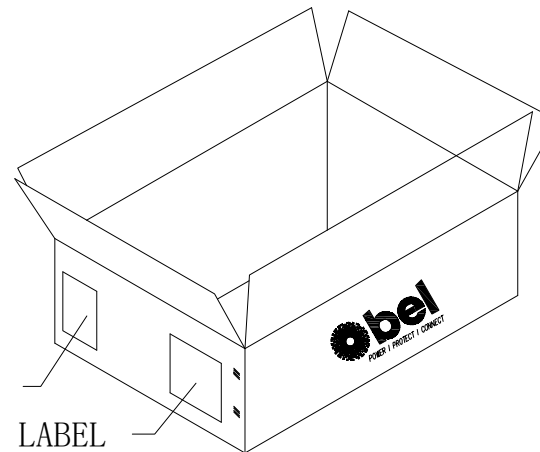


1 handle and 4 tubes
total 68pcs

PRODUCT LABEL



1 box contains 10 handfules
total 680pcs



SHIPPING LABEL

PRODUCT LABEL

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