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ELECTRICAL CHARACTERISTICS @ 25°C



SCHEMATIC

URNS RATIO

T× SIDE:

1CT : 1CT

□CL

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

PIN(1-2),(4-5),(7-8),(10-11),(13-14),(15-16),(17-19),(20-22)
PIN(23-25),(26-28),(29-30),(31-32),(34-35),(37-38),(40-41),(43-44)

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

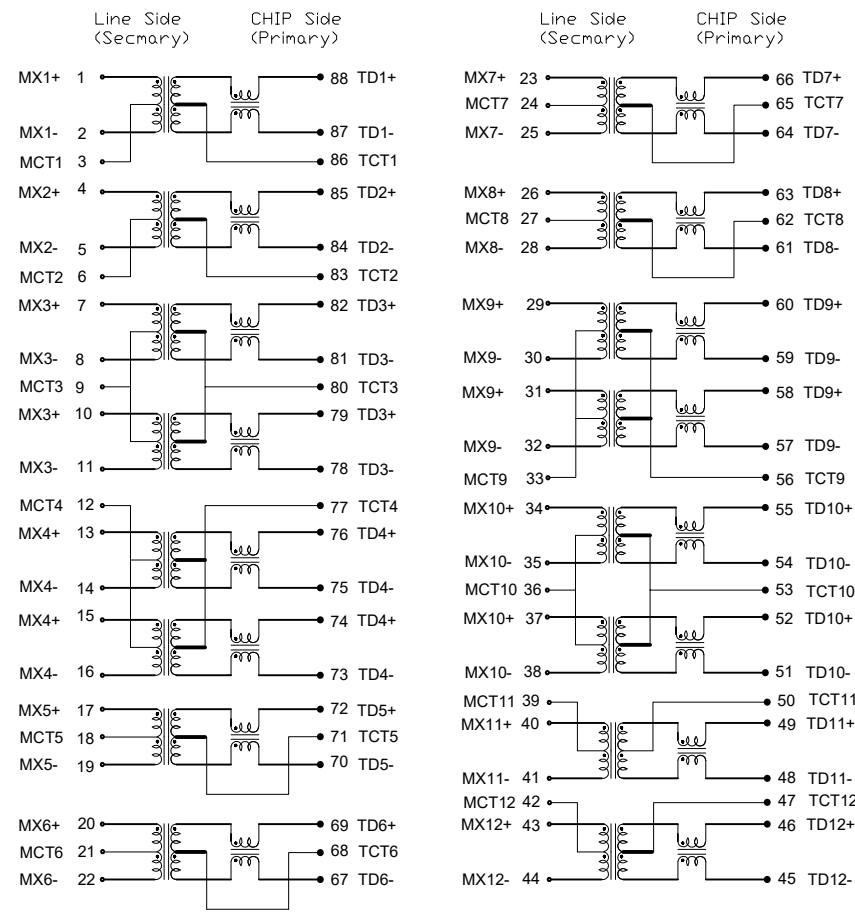
CROSSTALK -30dB MIN. AT 1MHz TO 100MHz

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 100BASE-T module

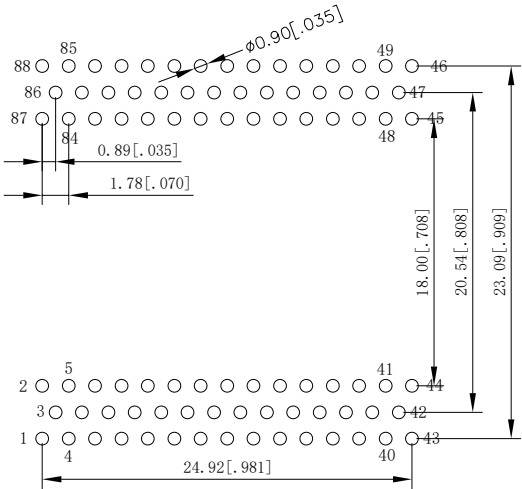
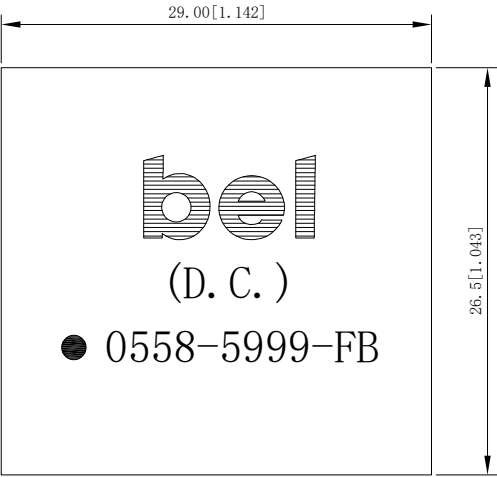
PART NO. / DRAWING NO.
0558-5999-FB
FILE NAME
0558-5999-FB_A.DWG

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

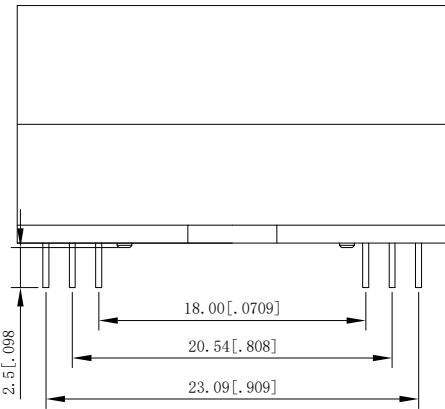
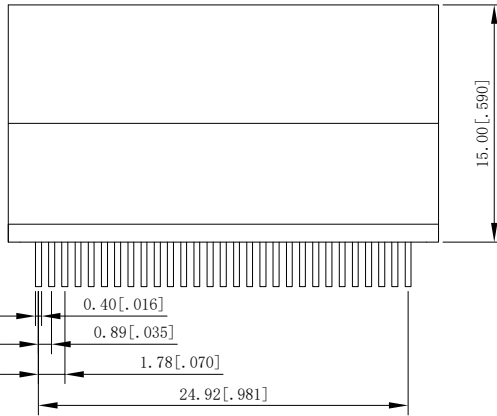
REV. : A/2PAGE : 1

POWER | PROTECT | CONNECT

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SUGGESTED PCB LAYOUT



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

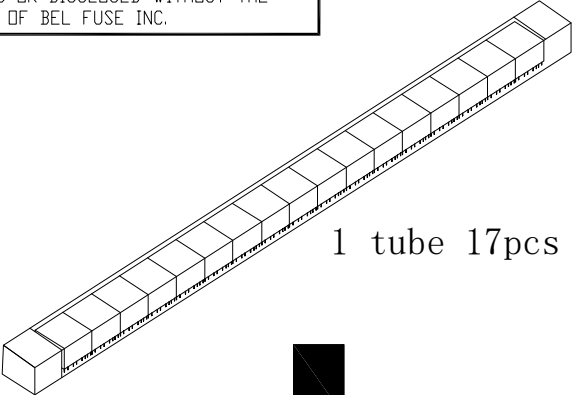
PART NO. / DRAWING NO.
0558-5999-FB
FILE NAME
0558-5999-FB_A.DWG

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

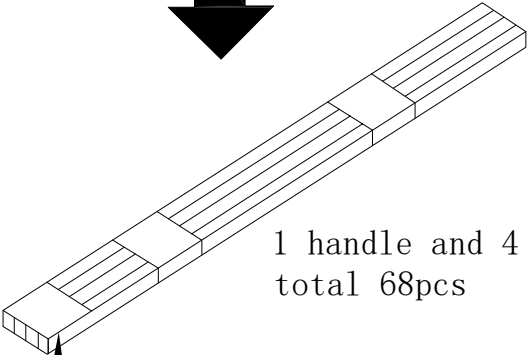
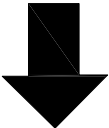
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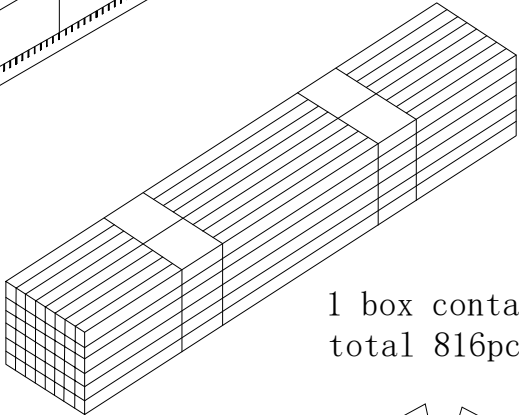
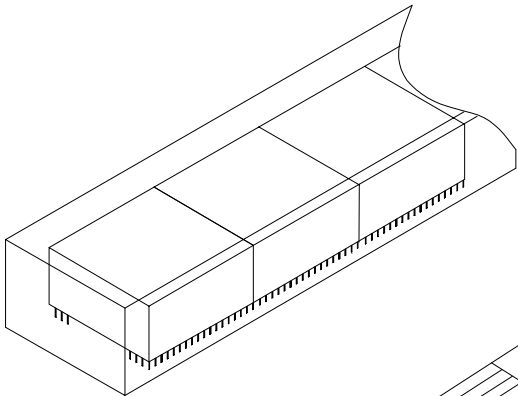
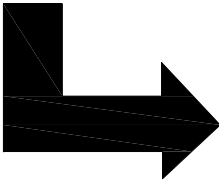


1 tube 17pcs

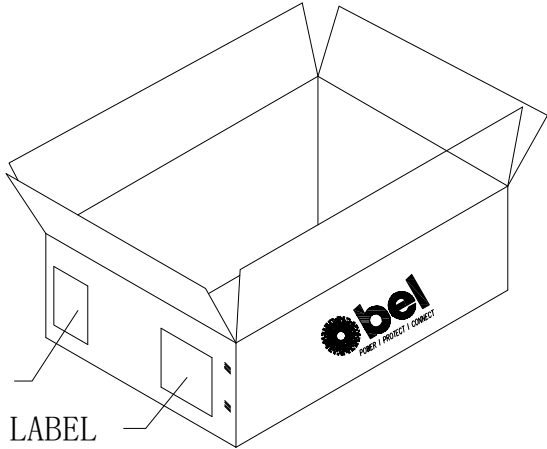


1 handle and 4 tubes
total 68pcs

PRODUCT LABEL



1 box contains 12 handfulls
total 816pcs



SHIPPING LABEL

PRODUCT LABEL

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

