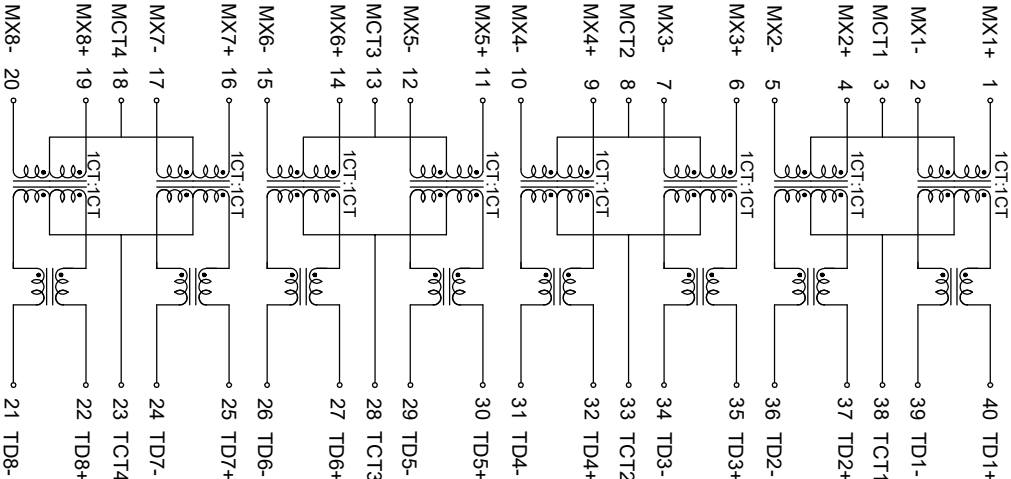


SCHEMATIC



ELECTRICAL SPECIFICATIONS @25°C



Turns Ratio

1CT : 1CT

Phase

1 TD 40, 4 TD 37,
6 TD 35, 9 TD 32,
11 TD 30, 14 TD 27,
16 TD 25, 19 TD 22 IN PHASE

DCL

(1-2), (4-5), (6-7), (9-10)
(11-12), (14-15), (16-17), (19-20) 350uH MIN. AT 100kHz, 100mV
WITH 8mA DC BIAS,

D.C.R

(40-39), (37-36), (35-34), (32-31) 1.2OHM Max
(30-29), (27-26), (25-24), (22-21)

Insertion Loss

-1.0dB MAX. @ 1 TD 100MHz
-2.0dB MAX. @ 125MHz

Return Loss

Measured Under A 100 Ω I/D

-18dB MIN. @ 1-30MHz
-13.1dB MIN. @ 60MHz
-12dB MIN. @ 80MHz
-10dB MIN. @ 100MHz

Crossstalk

-30dB MIN. AT 10 TD 100 MHz

Common TD Common Rejection

-30dB MIN. AT 100kHz TD 100MHz

HIPDT

Leakage Current Less Than 1mA AT 1500VAC

Applicable Operating Temp

0°C~+70°C

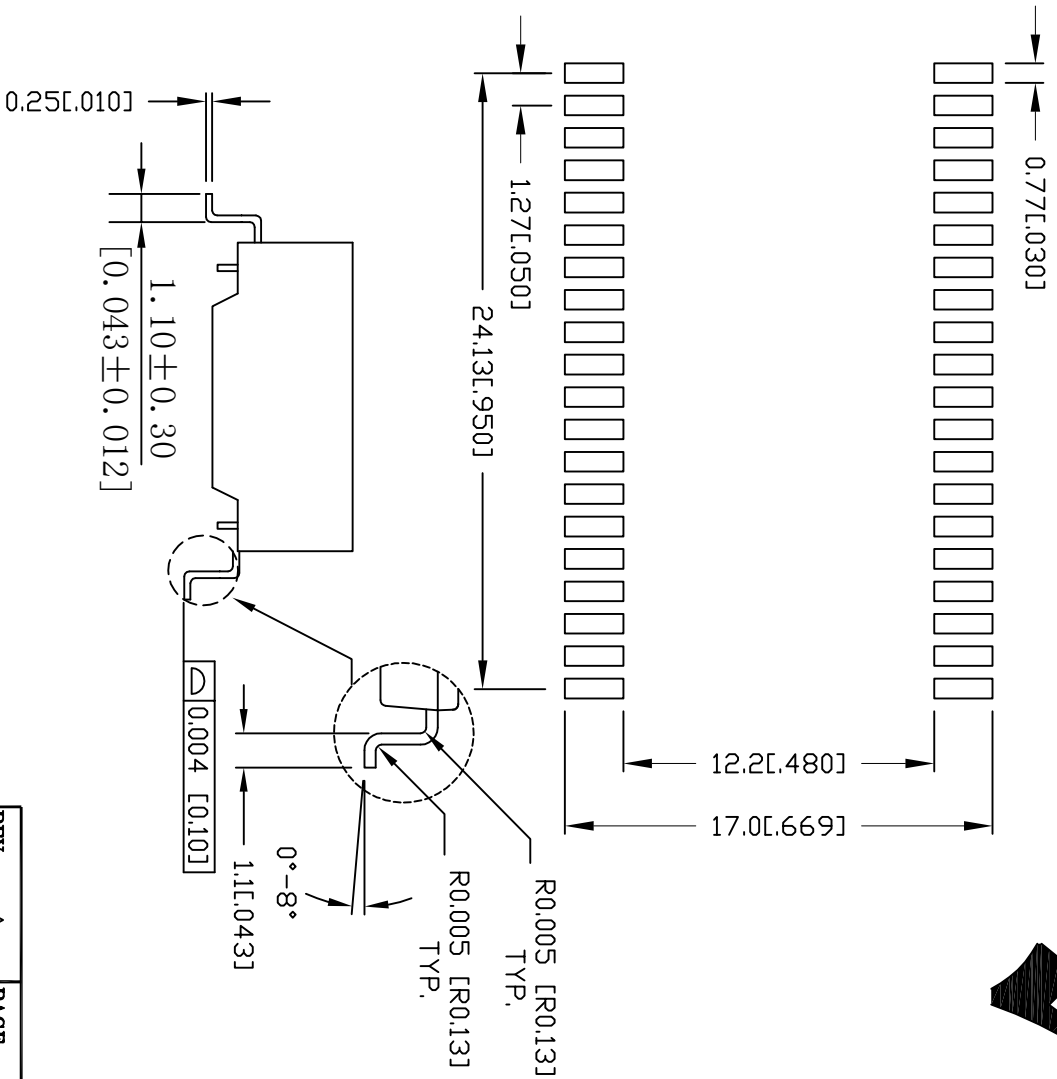
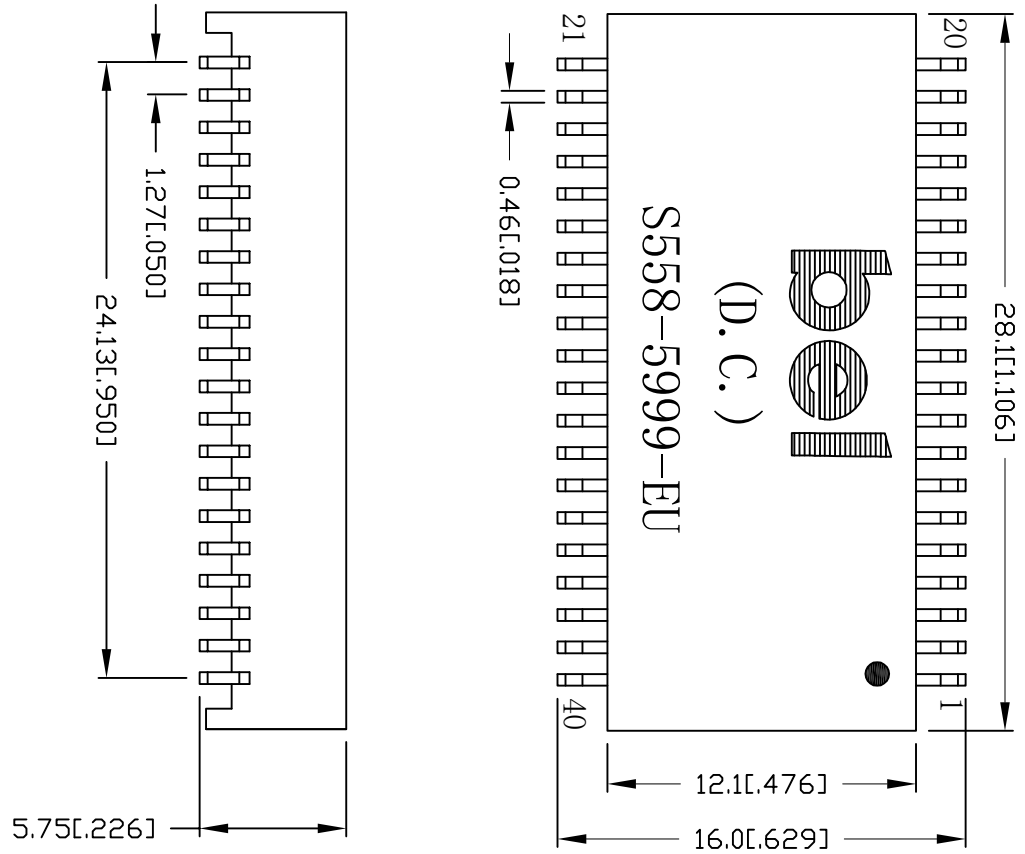
Originated By	Date	Title				Part No. / Drawing No.	Standard Dim.	[] Metric Dim. as Ref.		Rev. : A	Page : 2
yan bin zhang	2025-2-27	Electrical specification				S558-5999-EU	TOL. IN INCH	UNIT : INCH [mm]			
Drawn By	Date	100BASE-T module				File Name	.X	Scale : N/A			
ya chen zhou	2025-2-27					S558-5999-EU_A.DWG	.XX				
							.XXX			Size : A0	



POWER | PROTECT | CONNECT

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SUGGESTED PCB PAD LAYOUT



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.	REV. : A	PAGE : 3
yan bin zhang	2025-2-27	Mechanical specification	S558-5999-EU	TOL. IN INCH	UNIT : mm[INCH]		
DRAWN BY	DATE	100BASE-T module	FILE NAME	.X	SCALE : N/A		
ya chen zhou	2025-2-27		S558-5999-EU_A.DWG	.XX	SIZE : A0		
				.XXX			

