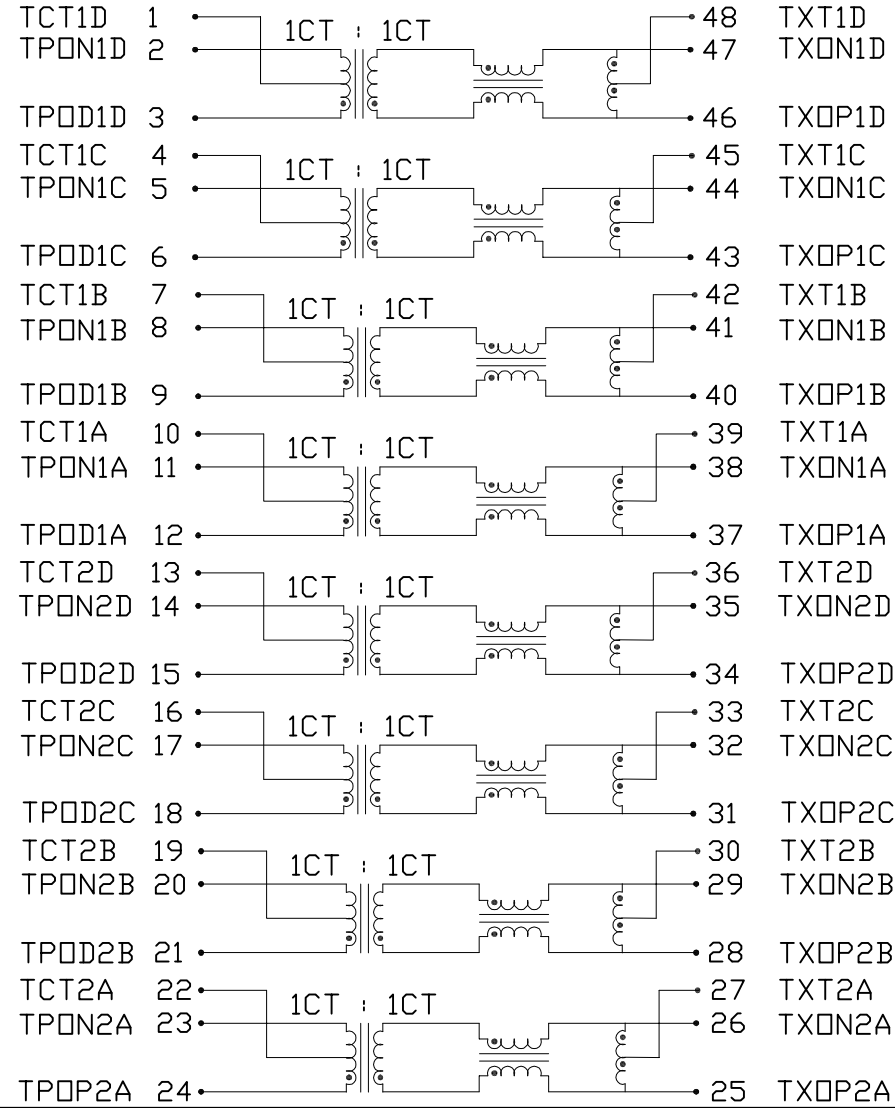


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SCHEMATIC



ELECTRICAL CHARACTERISTICS @ 25°C



URNS RATIO

Tx SIDE: 1CT : 1CT

DCL

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

PIN(2-3), (5-6), (8-9), (11-12)
PIN(14-15), (17-18), (20-21), (23-24)

INSERTION LOSS

-1.0dB MAX. @ 1MHz TO 100MHz

RETURN LOSS

MEASURED UNDER A
100 W ENVIRONMENT
-18dB MIN. @ 1-30MHz
-14.4dB MIN. @ 40MHz
-13.1dB MIN. @ 50MHz
-12dB MIN. @ 60-80MHz
-10dB MIN. @ 80-100MHz

COMMON TO COMMON
MODE REJECTION

-35dB MIN. AT 1MHz TO 100MHz

CROSSTALK

-30dB MIN. AT 1MHz TO 100 MHz

DCMR

-33dB MIN. AT 1MHz TO 100 MHz

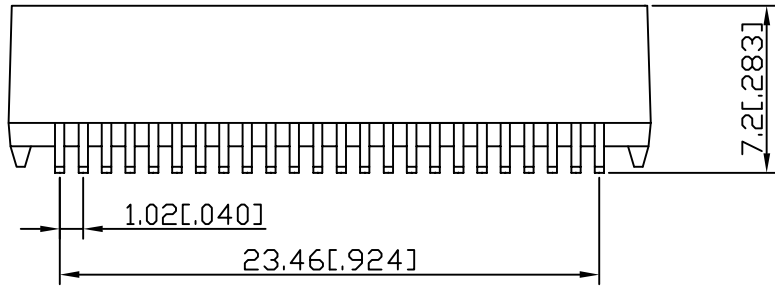
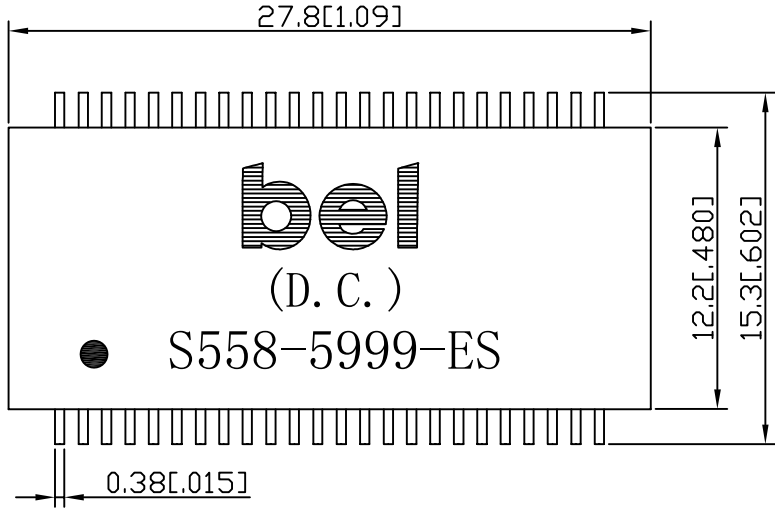
HIPOT

LEAKAGE CURRENT LESS THAN 1mA AT 1500VAC

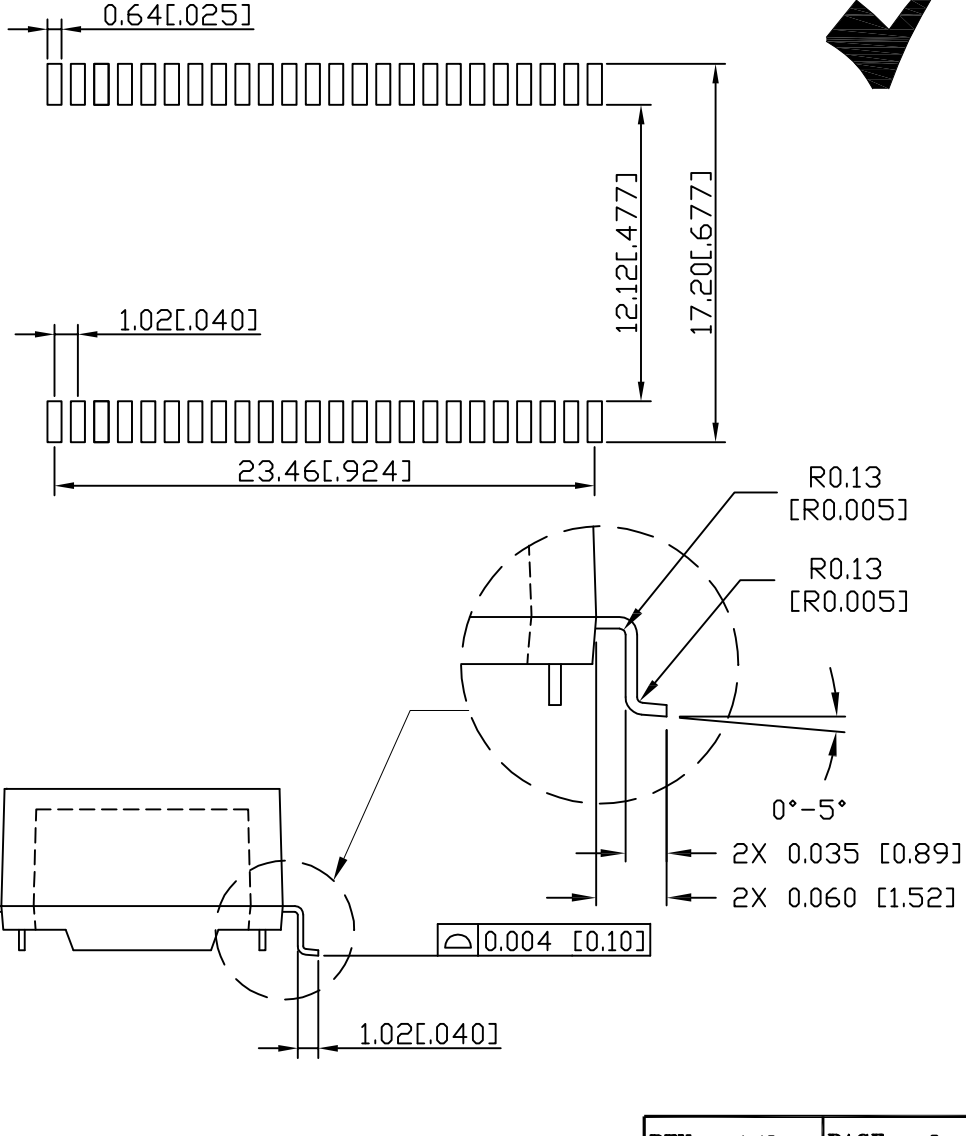
Applicable Operating temp 0°C~+70°C

ORIGINATED BY		DATE	TITLE	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REF.		 POWER PROTECT CONNECT
yan bin zhang		2025-8-19		S558-5999-ES		TOL. IN INCH		UNIT : mm[INCH]		
DRAWN BY		DATE		FILE NAME		.X		SCALE : N/A		
ya chen zhou		2025-8-19		S558-5999-ES_A.DWG		.XX		SIZE : A4		
						.XXX				

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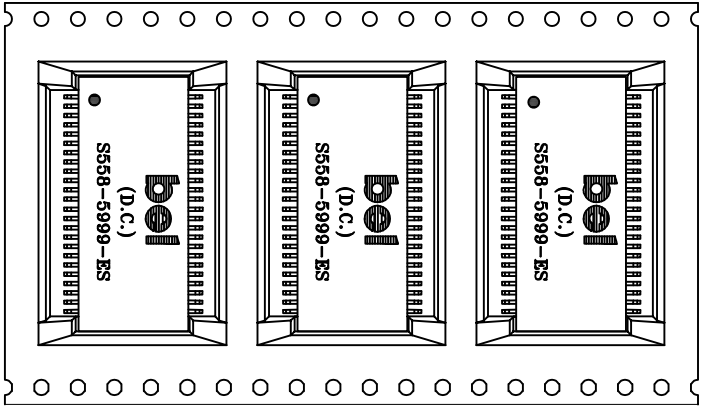


SUGGESTED PCB PAD LAYOUT



ORIGINATED BY		DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REF.		 POWER PROTECT CONN:		
yan bin zhang		2025-8-19			S558-5999-ES		TOL. IN INCH			UNIT : mm[INCH]	
DRAWN BY		DATE			FILE NAME		.X			SCALE : N/A	
ya chen zhou		2025-8-19			S558-5999-ES_A.DWG		.XX ±0.01			 SIZE : A4	

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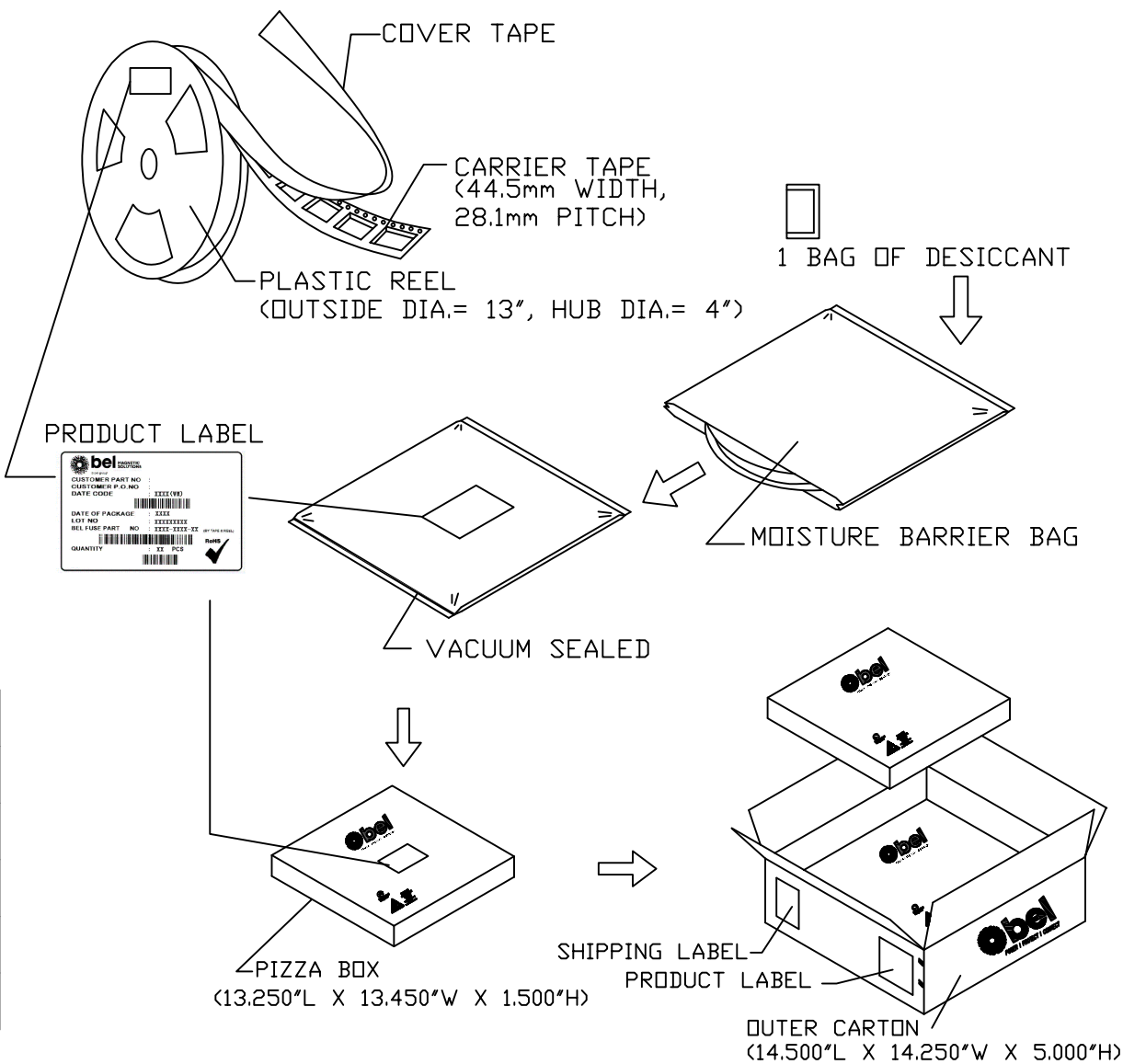
USER FEED DIRECTION

ORIENTATION OF COMPONENT INSIDE POCKET

TAPE WIDTH	44.5MM
POCKET PITCH	28.1MM
QUANTITY OF COMPONENTS PER REEL	350
PLASTIC REEL OUTER DIAMETER	13 INCHES
PLASTIC REEL HUB DIAMETER	4 INCHES
COMPLY WITH EIA-481-E	

NOTES:

- 1. HUMIDITY SENSITIVITY LEVEL:FOR PRODUCTS ACCORDING TO MSL1 CONTROL.
- 2. 2 Reels per carton.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.	
yan bing zhang	2025-8-19	PACKING SPECIFICATION FOR S558-5999-ES	S558-5999-ES	TOL. IN INCH	UNIT : mm[INCH]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
ya cheng zhou	2025-8-19		S558-5999-ES_A.DWG	.XX	SIZE : A4	
				.XXX		

REV. : A/2

PAGE : 3


POWER | PROTECT | CONNECT