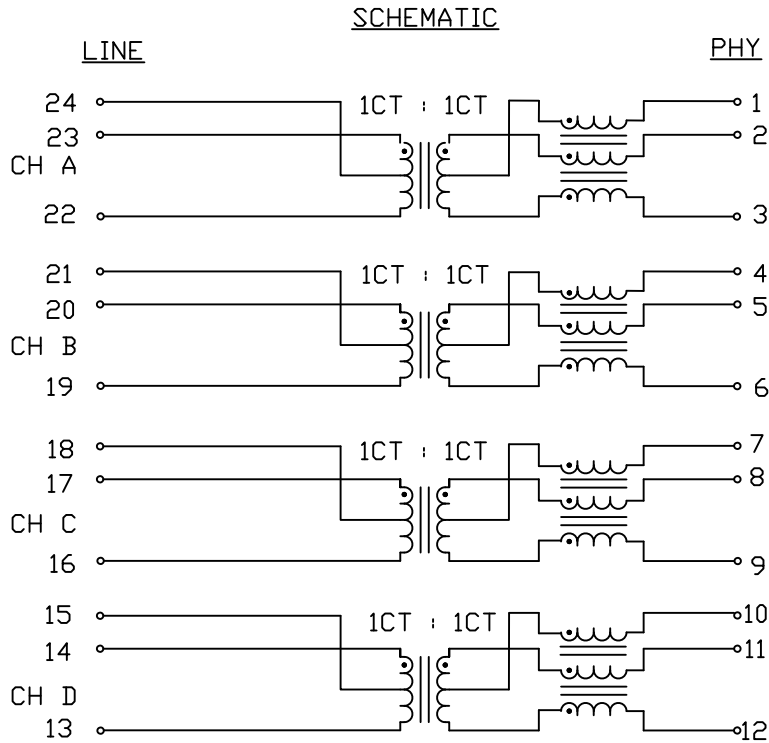


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ELECTRICAL SPECIFICATION @25°C



URNS RATIO

(2-1-3) : (23-24-22)
 (5-4-6) : (20-21-19)
 (8-7-9) : (17-18-16)
 (11-10-12) : (14-15-13)

1CT : 1CT
 1CT : 1CT
 1CT : 1CT
 1CT : 1CT

POLARITY

PER DOT CONVENTION

□CL

@100kHz, 100mV, 23mA DC BIAS
 @100kHz, 100mV, 8mA DC BIAS

120uH MIN
 180uH MIN

HIPOT

LEAKAGE CURRENT LESS THAN 1mA AT 2250VDC

INSERTION LOSS

FREQ(MHz)	1	2-300	400	500
MAX (dB)	0.3	1.0	1.5	2.0

RETURN LOSS

<100 OHM LINESIDE LOAD>

FREQ(MHz)	1	2-100	200	500	600
MIN (dB)	18	20	15	12	9

COMM. TO DIFF. MODE REJECTION

FREQ(MHz)	50	100	200	300	400	500
MAX (dB)	48	42	36	33	30	28

DIFF. TO COMM. MODE REJECTION

FREQ(MHz)	50	100	200	300	400	500
MAX (dB)	30	27	24	22	21	20

BALANCED DC LINE CURRENT: 1A MAXIMUM CONTINUOUS @57VDC

DESIGNED FOR EXTENDED TEMPERATURE 10G 100W 802.3BT APPLICATIONS
 OPERATING TEMPERATURE : -40 TO 85°C

ORIGINATED BY	DATE
Brian B.	2024-09-27
DRAWN BY	DATE
Brian B.	2024-09-27

TITLE
ELECTRICAL SPECIFICATION

PART NO. / DRAWING NO.
S558-10GB-29
FILE NAME
S55810GB29.DWG

STANDARD DIM.	[] METRIC DIM. AS REF.
TOL. IN INCH	
.X	
.XX	
.XXX	

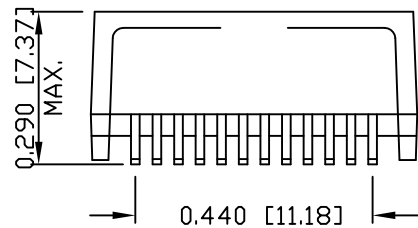
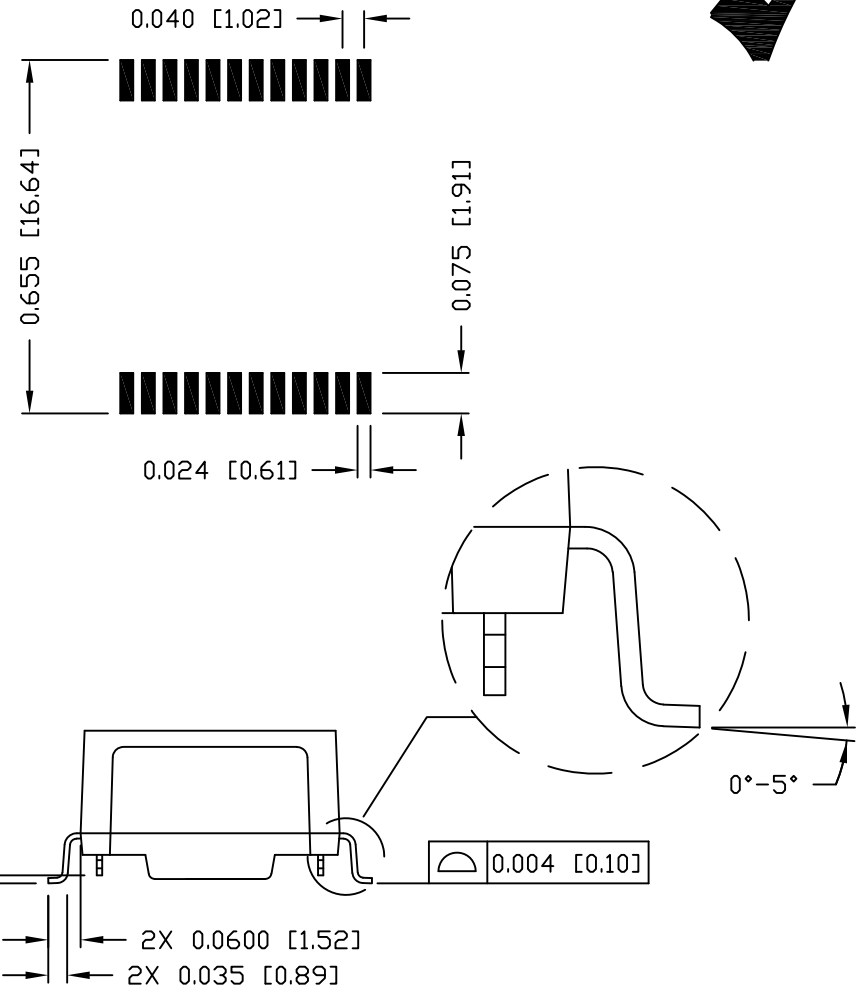
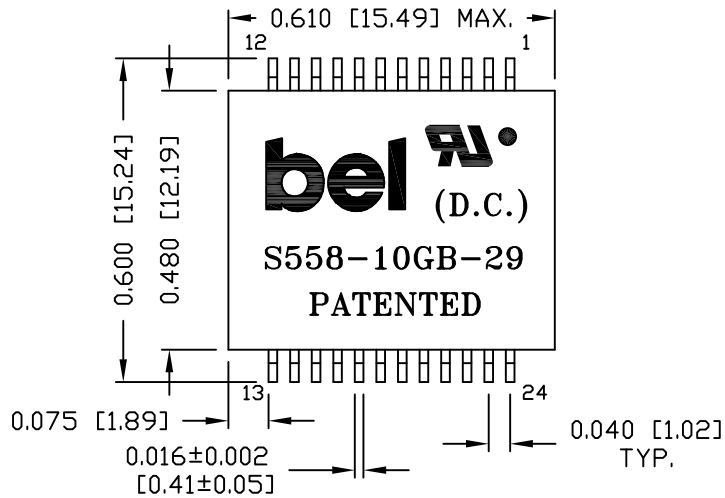
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : A PAGE : 2

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SUGGESTED PCB PAD LAYOUT



NOTES:

- STANDARD MARKING REFER TO DOC. HAND-WORK-04.
- PACKAGE CODE: "QABS001".

ORIGINATED BY		DATE	TITLE	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REF.		REV. : A	PAGE : 3
Brian B.		2024-09-27		MECHANICAL SPECIFICATION	S558-10GB-29		TOL. IN INCH		UNIT : INCH [mm]		 POWER PROTECT CONNECT
DRAWN BY		DATE	FILE NAME		.X		SCALE : N/A				
Brian B.		2024-09-27	S55810GB29.DWG		.XX ±0.01		SIZE : A4				
						.XXX ±0.005					