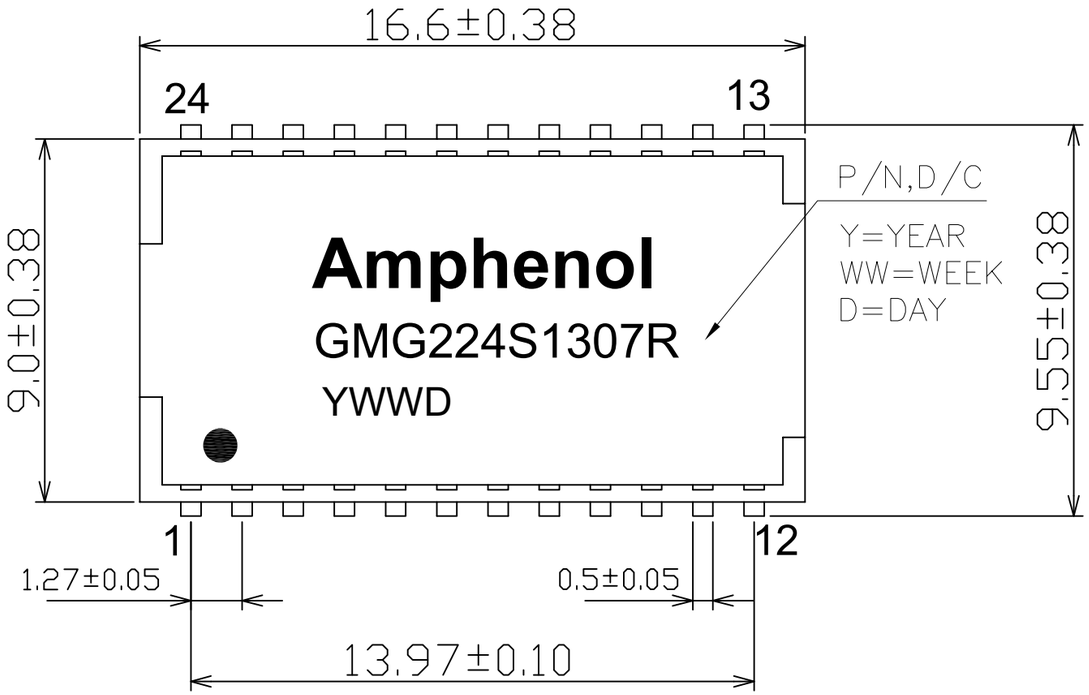
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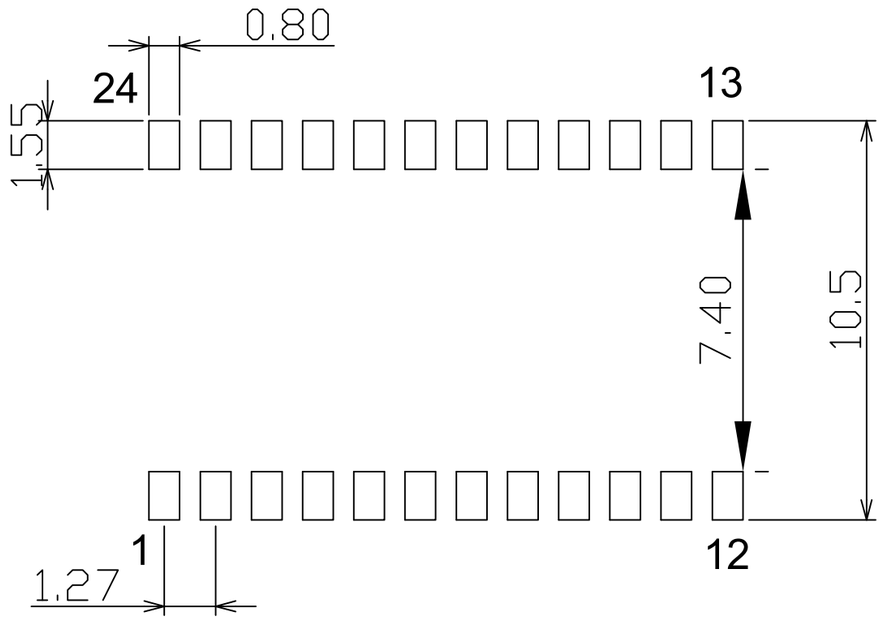
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant.

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	-	NEW DRAWING	2023.05.26	Benly Han
AX2	-	UPDATE DRAWING	2024.02.26	Benly Han

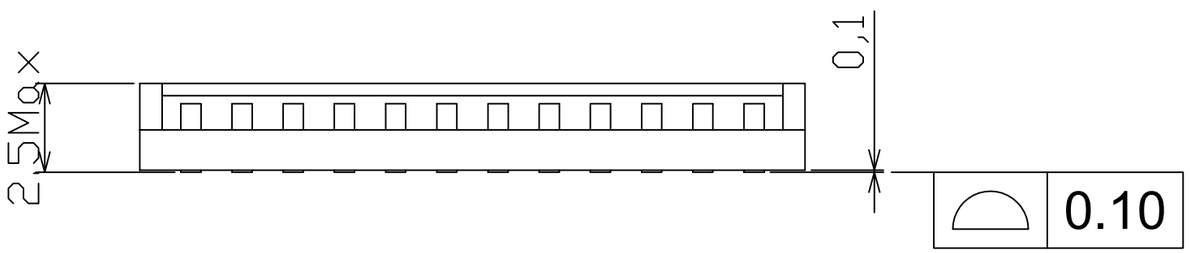
PRELIMINARY RELEASE
SUBJECT TO CHANGE

MECHANICAL

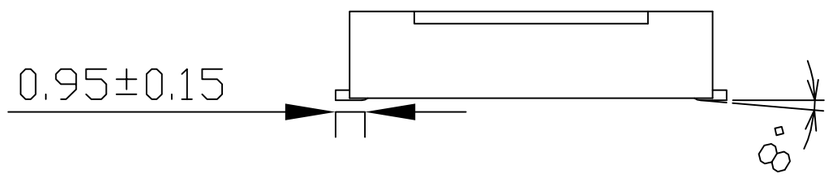




SUGGESTED PAD LAYOUT



24 SURFACES



Amphenol Taiwan RoHS2 Compliant 2011/65/EU & 2015/863/EU

TOLERANCE	APPROVALS	DATE	TITLE			
X.	DRAWN		1000 BASE-T MODULE SMD TYPE			Amphenol ®
X.X ±0.38	DESIGNED Benly Han	02/26/2024				Amphenol Corporation
X.XX ±0.25	CHECKED Vivian Wen	02/26/2024				Amphenol Taiwan Corporation
0.XX ±0.05	APPROVED Roger Tsai	02/26/2024		UNIT mm	SIZE A3	PART No. GMG224S1307R
ANGULAR ±2°	DWG TYPE CUST DWG	PROJECT CODE RJMG		SCALE NA	SHEET 1 OF 2	DWG No. GMG224S1307R REV. AX2
UNLESS OTHERWISE SPECIFIED						

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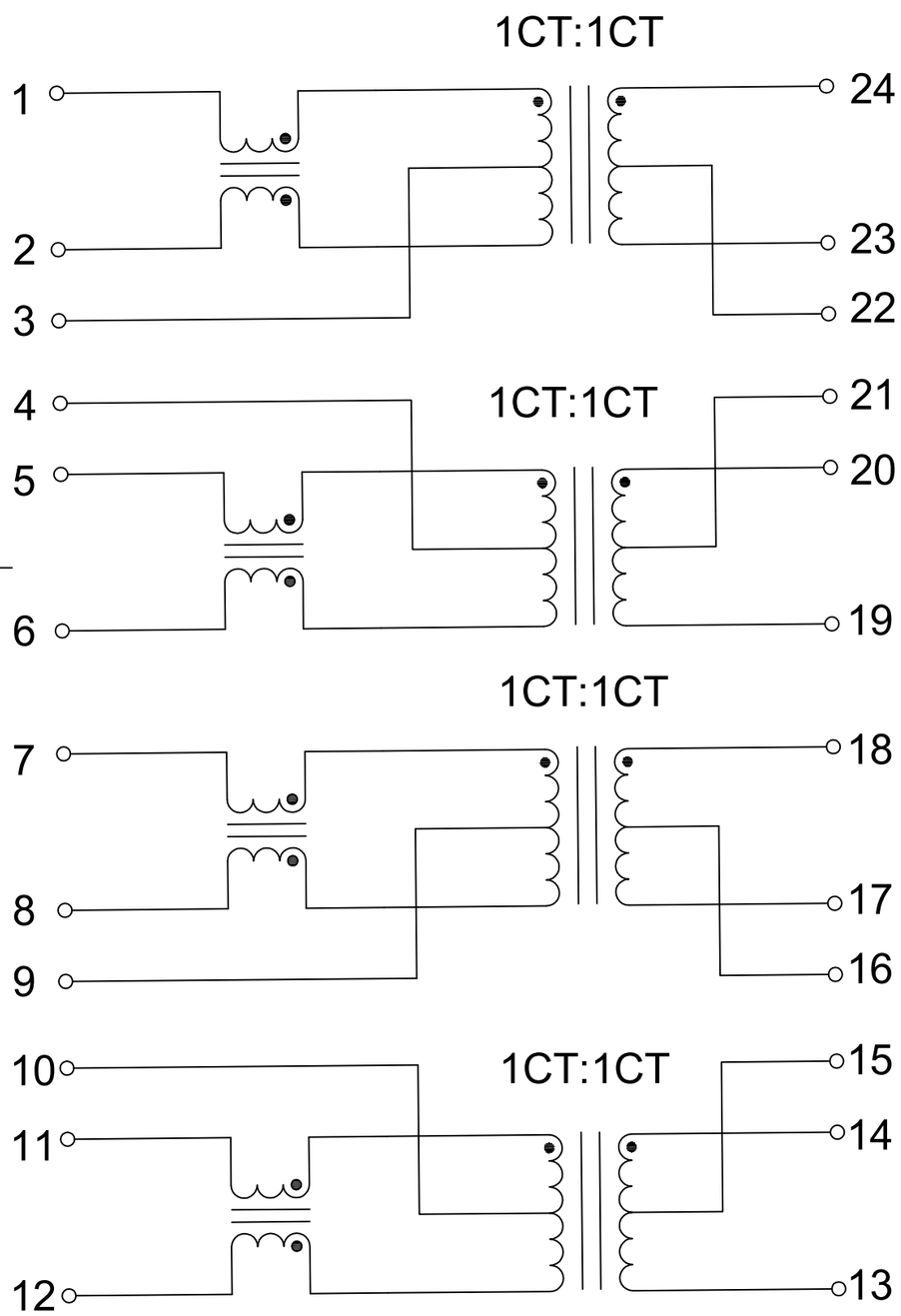
The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant.

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	-	NEW DRAWING	2023.05.26	Benly Han
AX2	-	UPDATE DRAWING	2024.02.26	Benly Han

PRELIMINARY RELEASE
SUBJECT TO CHANGE

Amphenol Taiwan RoHS2 Compliant 2011/65/EU & 2015/863/EU

SCHEMATIC FOR MODULE:



ELECTRICAL CHARACTERISTICS@25°C:

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/ TEST CONDITIONS
TURN RATIO	1:1±3%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	-1.2dB MAX -3.0dB MAX	0.1 MHz 1-125 MHz
RETURN LOSS(LOAD 100Ω)	-16dB MIN. -10+20*log(f/80)dB MIN.	1-40 MHz 40-100 MHz
CROSS TALK	-50dB MIN. -55+22*log(f/10)dB MIN.	1 MHz 10-100 MHz
INDUCTANCE(OCL)(-40°C to +85°C)	300uH MIN.@100KHz 100mV 360uH MIN.@100KHz 100mV 8mA AT 25°C	
COMMON MODE REJECTION RATIO	-42dB MIN. -15+20*log(f/200)dB MIN.	2 MHz 30-200 MHz
HIPOT (ISOLATION)	1500 VRMS 1mA	60S

- AEC-Q200 Qualified.
- Designed To Meet IEEE802.3 & ANSI X3.263 Standards.
- Lead-Free&Designed To Meet RoHS Requirement.
- 1000Base-T,Surface Mount Type,Open Header.
- Operating temperature range: -40℃ to +125℃
- Storage temperature range: -50℃ to +125℃ .

TOLERANCE	APPROVALS	DATE
X.	DRAWN	
X.X ±0.38	DESIGNED Benly Han	02/26/2024
X.XX ±0.25	CHECKED Vivian Wen	02/26/2024
0.XX ±0.05	APPROVED Roger Tsai	02/26/2024
ANGULAR ±2°	DWG TYPE CUST DWG	PROJECT CODE RJMG
UNLESS OTHERWISE SPECIFIED		

TITLE: 1000 BASE-T MODULE SMD TYPE

UNIT: mm | SIZE: A3 | SCALE: NA | SHEET: 2 OF 2

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PART No. GMG224S1307R

DWG No. GMG224S1307R | REV. AX2