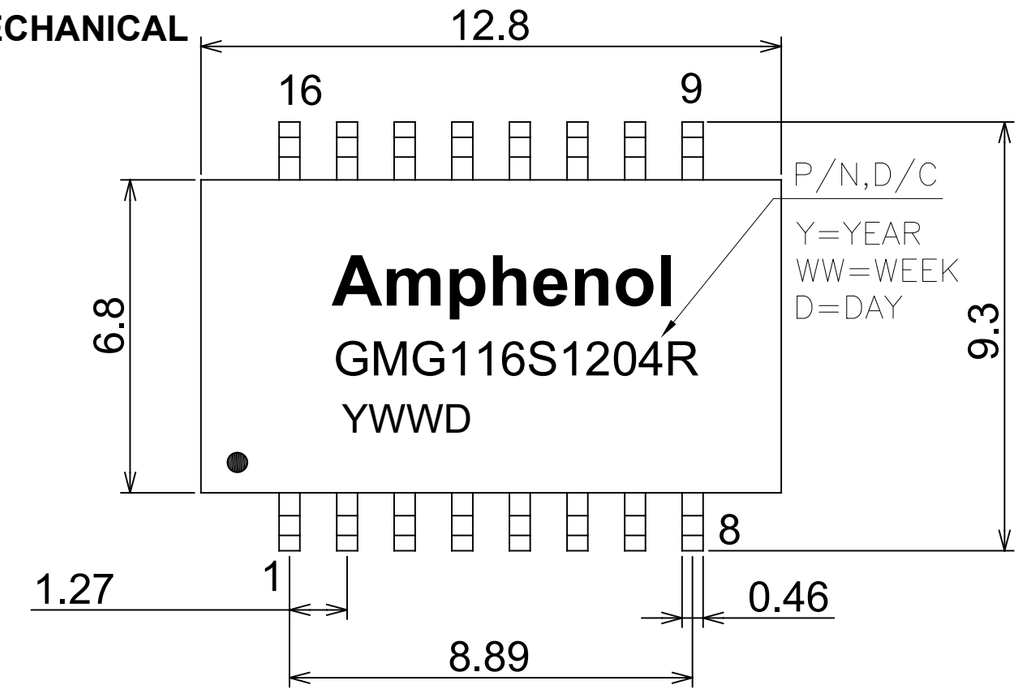
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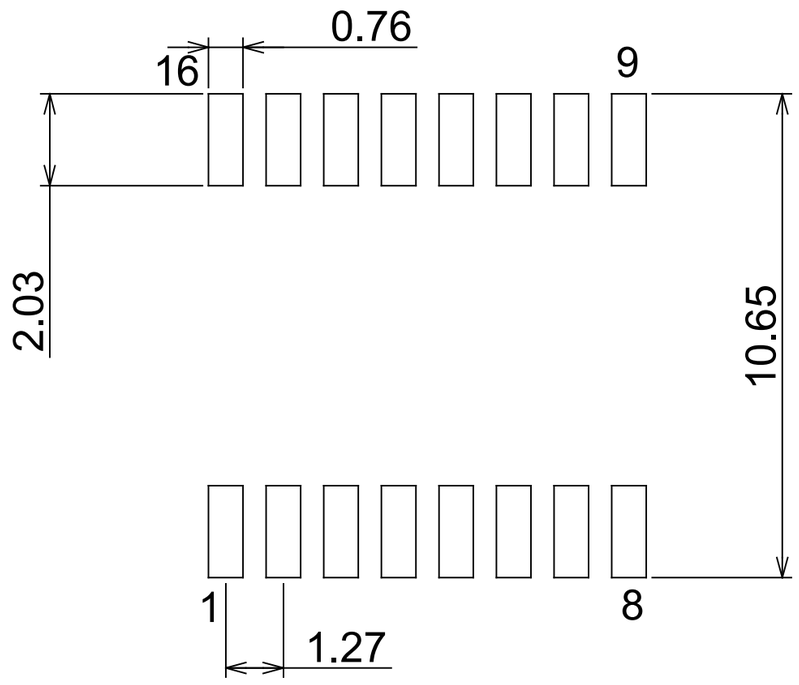
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REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	-	NEW DRAWING	2023.05.26	Benly Han

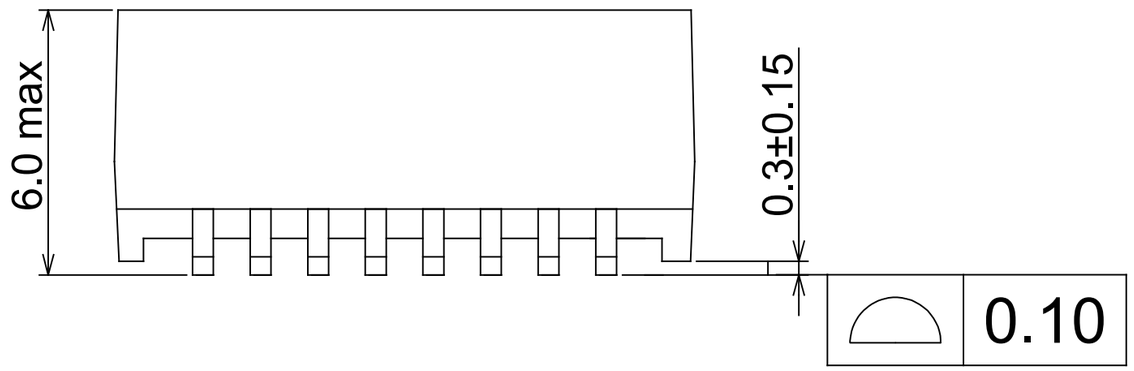
PRELIMINARY RELEASE
SUBJECT TO CHANGE

MECHANICAL

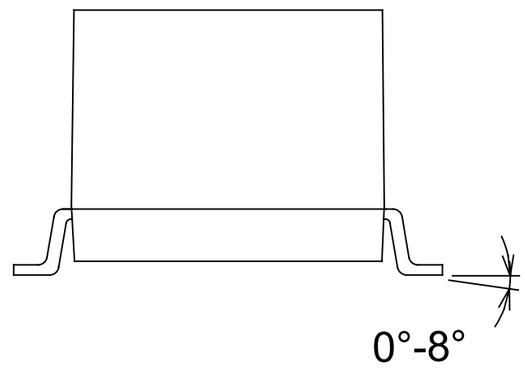




SUGGESTED PAD LAYOUT



16 SURFACES



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

TOLERANCE	APPROVALS	DATE	TITLE			
X. X.X ±0.38 X.XX ±0.25 0.XX ±0.05 ANGULAR ±2°	DRAWN DESIGNED Benly Han CHECKED Vivian Wen APPROVED Roger Tsai	 05/26/2023 05/26/2023 05/26/2023	10/100 BASE-T MODULE SMD TYPE	UNIT mm SCALE NA	SIZE A3 SHEET 1 OF 2	Amphenol ® Amphenol Corporation Amphenol Taiwan Corporation
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE RJMG			PART No. GMG116S1204R	
					DWG No. GMG116S1204R	REV. AX1

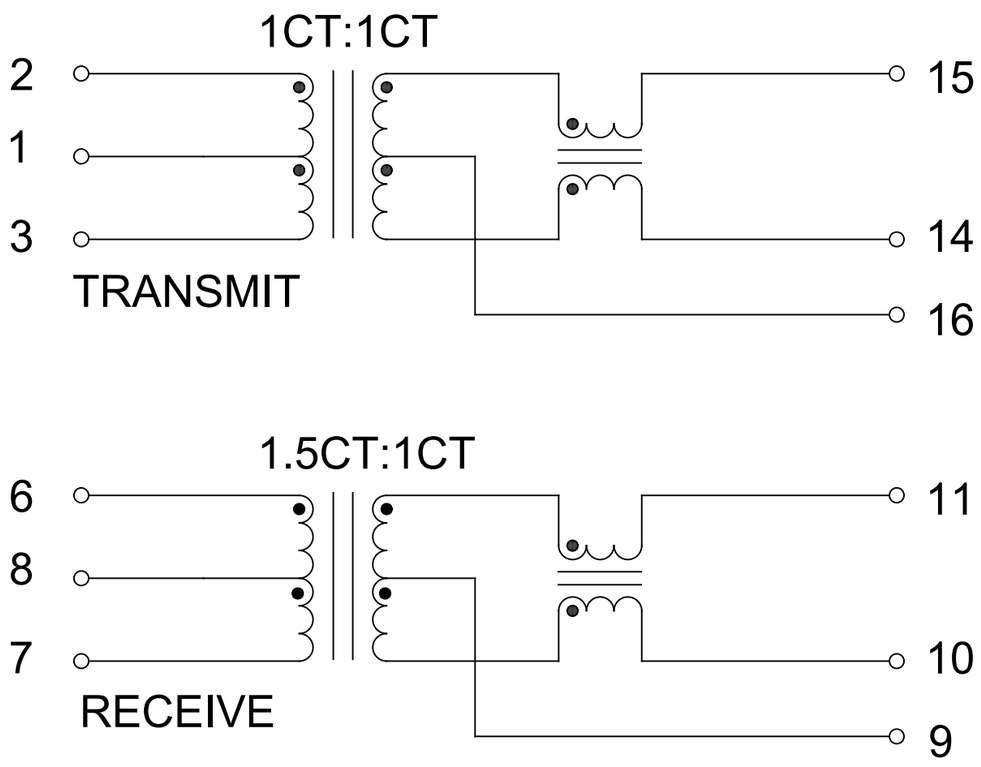
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REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX1	-	NEW DRAWING	2023.05.26	Benly Han

PRELIMINARY RELEASE
SUBJECT TO CHANGE

SCHEMATIC FOR MODULE:



ELECTRICAL CHARACTERISTICS@25°C:

PARAMETER	SPECIFICATIONS						
POLARITY	PER SCHEMATIC						
	TRANSMIT			RECEIVE			
TURN RATIO	1:1±2%			1.5:1±2%			
INSERTION LOSS	1–50 MHz			1–50 MHz			
	–1.0 dB MAX			–1.5 dB MAX			
RETURN LOSS(LOAD 100Ω)	0.5–40 MHz	60 MHz	80 MHz	0.5 MHz	40 MHz	60 MHz	80 MHz
	–18 dB MIN.	–14.5 dB MIN.	–12 dB MIN.	–18 dB MIN.	–10 dB MIN.	–8 dB MIN.	–6 dB MIN.
INDUCTANCE(OCL)(–40°C~+95°C)	100uH MIN.@100KHz 100mV			200uH MIN.@100KHz 100mV AT 25°C			
CROSSTALK ISOLATION	–45 dB MIN. –35 dB MIN. –30 dB MIN.			30 MHz 60 MHz 100 MHz			
Cww	18 pF MAX.@100KHz 100mV						
HIPOT (ISOLATION)	1650 VRMS 1mA			60S			

- AEC–Q200 Qualified.
- Designed To Meet IEEE802.3 & ANSI X3.263 Standards.
- Lead–Free&Designed To Meet RoHS Requirement.
- 10/100Base–T,Surface Mount Type,Open Header.
- Operating temperature range: –40℃ to +95℃
- Storage temperature range: –50℃ to +125℃ .

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

TOLERANCE	APPROVALS	DATE	TITLE
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UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE RJMG	

Amphenol ®
Amphenol Corporation
Amphenol Taiwan Corporation

UNIT	SIZE	PART No.	
mm	A3	GMG116S1204R	
SCALE NA	SHEET 2 OF 2	DWG No. GMG116S1204R	REV. AX1