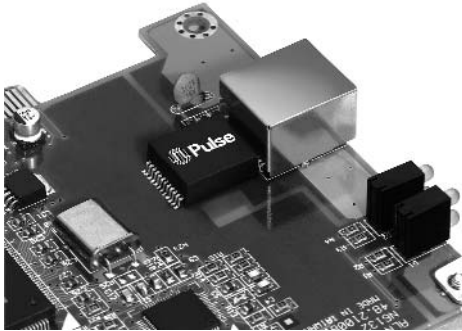


1000BASE-T MAGNETICS MODULES

Designed to Support 1:1 Turns Ratio Transceivers



- ➊ Designed for long haul Gigabit Ethernet (10/100/1000BASE-T) applications
- ➋ H5008/9 designed to fit behind 1x1 RJ45 connector
- ➌ Cable interface for isolation and low common mode emissions
- ➍ Compliant with IEEE 802.3ab standard for 1000BASE-T

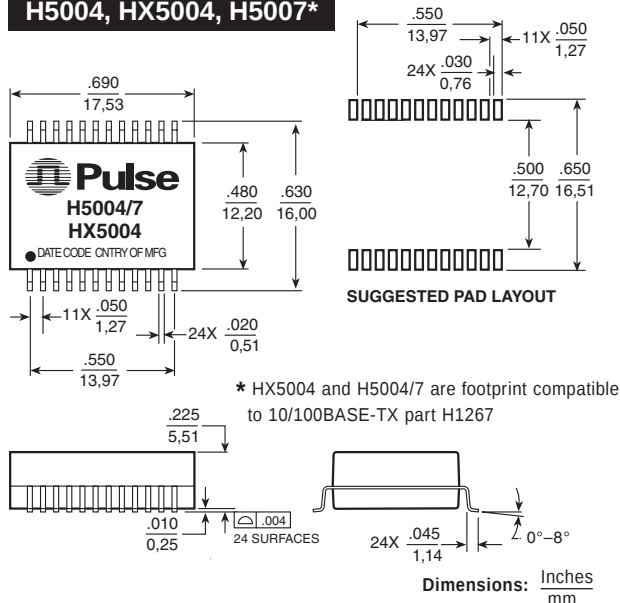
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	Number of Ports	Insertion Loss (dB MAX)	Return Loss (dB MIN)						Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN)
			1-100 Mhz	1-30 Mhz	40 Mhz	50 Mhz	60-80 Mhz	100 Mhz	30 Mhz	60 Mhz	100 Mhz	30 Mhz	60 Mhz	100 Mhz	
H5004 ¹	1	1		-18	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35	1500
HX5004 ^{1,2}	1	1		-18	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35	1500
H5007 ^{1,3}	1	1		-18	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35	1500
H5008	1	1		-18	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35	1500
HX5008 ²	1	1		-18	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35	1500
H5009	1	1		-18	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35	1500
HX5009 ²	1	1		-18	-18	-16	-12	-10	-43	-37	-33	-45	-40	-35	1500
H5012 ³	2	1.4		-16	-14.4	-13.1	-12	-10	-45	-40	-35	-43.5	-37.5	-33	1500
H5014	2	1.4		-16	-14.4	-13.1	-12	-10	-45	-40	-35	-43.5	-37.5	-33	1500
HX5014 ²	2	1.4		-16	-14.4	-13.1	-12	-10	-45	-40	-35	-43.5	-37.5	-33	1500
H5020	2	1		-18	-14.4	-13.1	-12	-10	-40	-35	-30	-40	-35	-30	1500
HX5020 ²	2	1		-18	-14.4	-13.1	-12	-10	-40	-35	-30	-40	-35	-30	1500

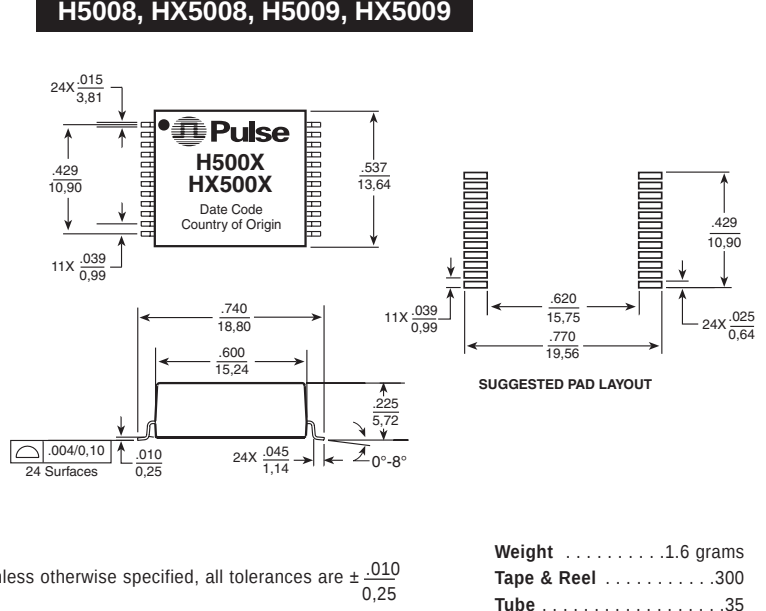
1. Footprint compatible product to H1267
2. HX: Extended temperature version -40°C to +85°C
3. Extended temperature part not available, select HX5004 or HX5014
4. Add "T" to the end of the part number for tape and reel option

Mechanicals

H5004, HX5004, H5007*



H5008, HX5008, H5009, HX5009



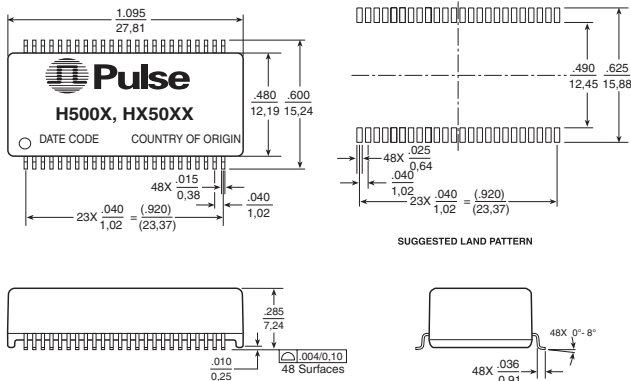
1000BASE-T MAGNETICS MODULES

Designed to Support 1:1 Turns
Ratio Transceivers



Mechanicals (continued)

H5012, H5014, HX5014

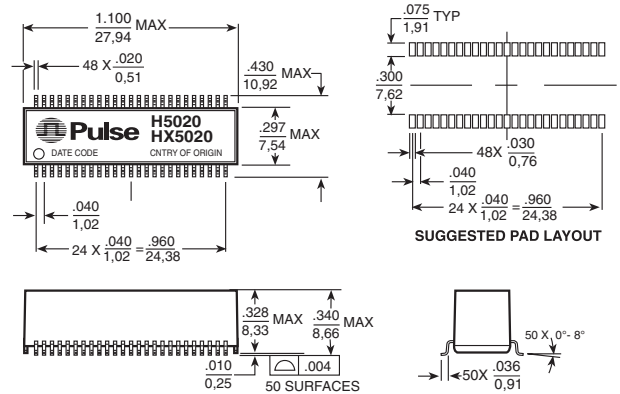


Weight4.0 grams
Tape & Reel250/reel
Tube15/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

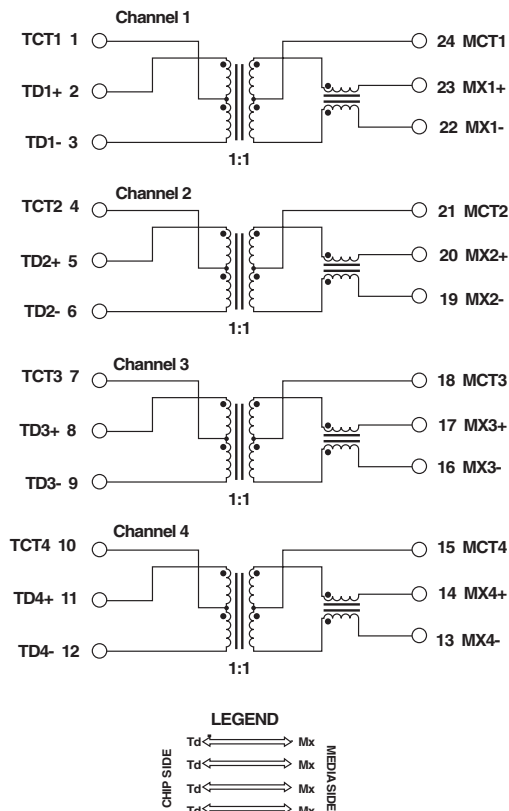
H5020, HX5020



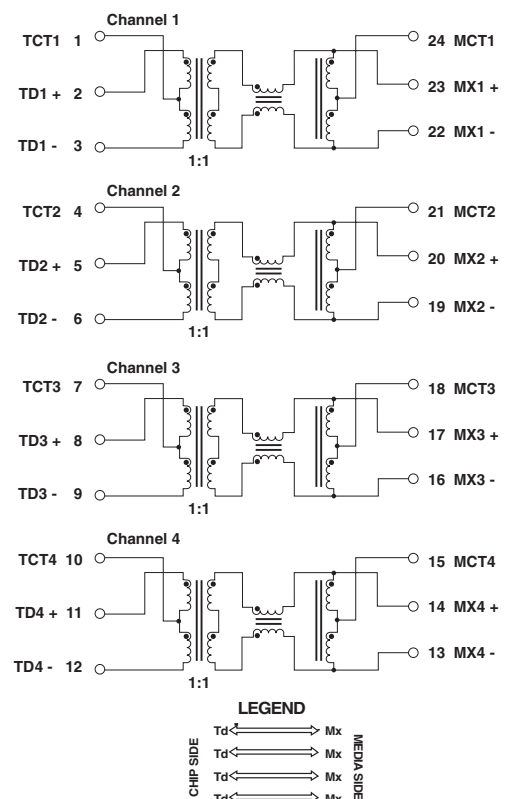
Weight1.6 grams
Tape & Reel250/reel
Tube15/tube

Schematics

H5004, HX5004, H5009



H5007*, H5008, HX5008



* Extended temperature part for
H5007 (HX5007) is not available.
Select HX5004.

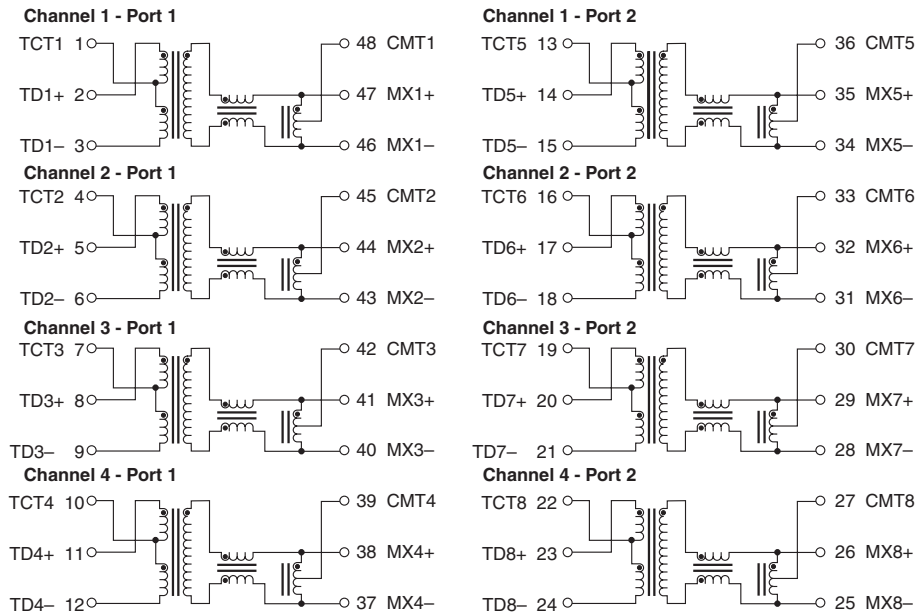
1000BASE-T MAGNETICS MODULES

Designed to Support 1:1 Turns Ratio Transceivers



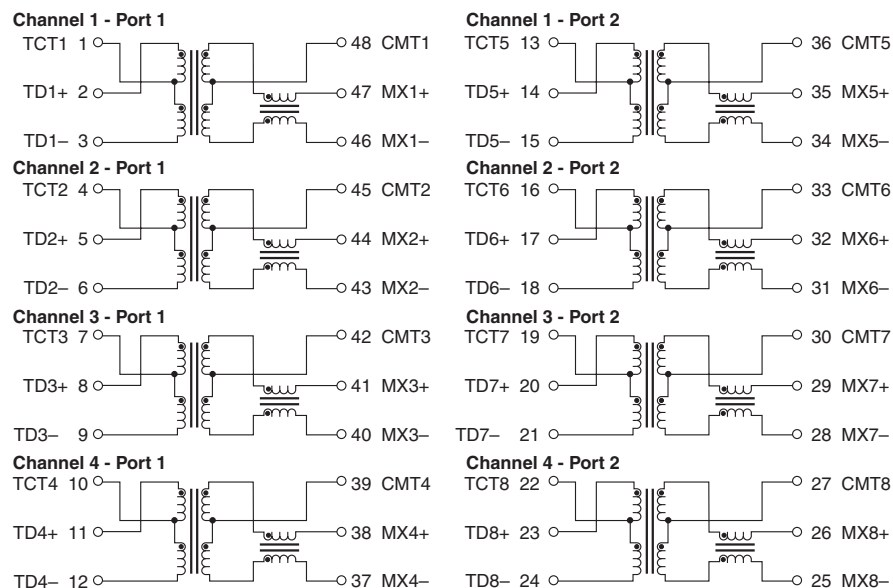
Schematics (continued)

H5012 *

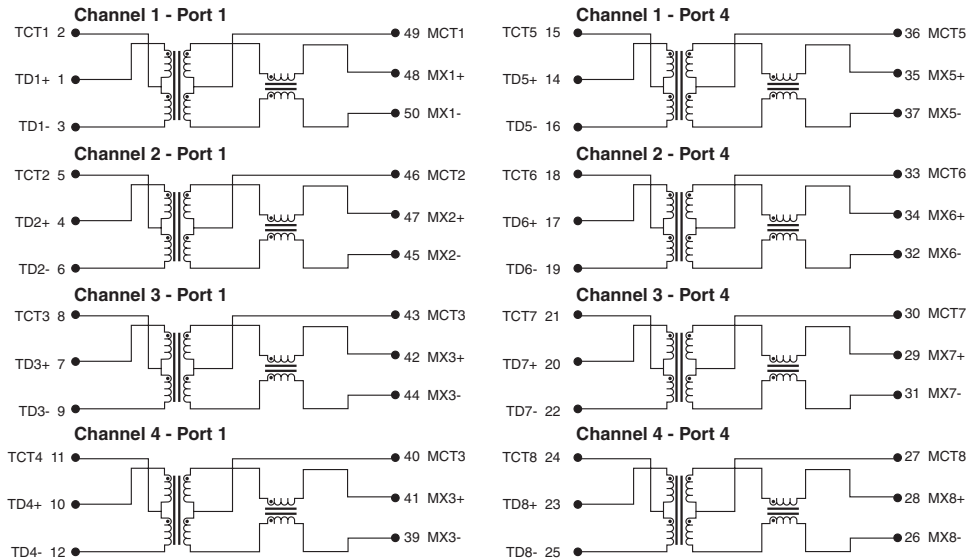


* Extended temperature part for H5012 is not available. Select HX5014.

H5014, HX5014



H5020, HX5020



SECTION A-A

VIEW B

DIM CHART

Ao	.740/18,80
Bo	1.130/28,70
Ko	.320/8,13
Po	.945/24,00

USER DIRECTION FEED

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