

FEATURES:

- IEEE 802.3af&at/ANSI X3.263 compliant performance
- Suitable for End-span and Mid-span PoE applications
- 350&600mA current capability
- Designed for IP phone or switch applications
- Compact footprint
- Designed to withstand IR reflow temperatures up to 240°C
- Recognized by UL 60950-1

YUAN DEAN SCIENTIFIC



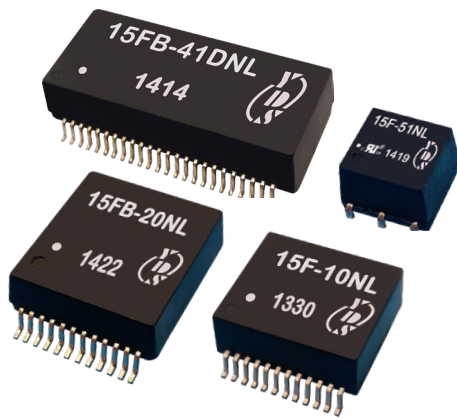
LAN Filters

PoE 15FB SERIES

10/100/1000 Base-TX

PoE & PoE+

SMD



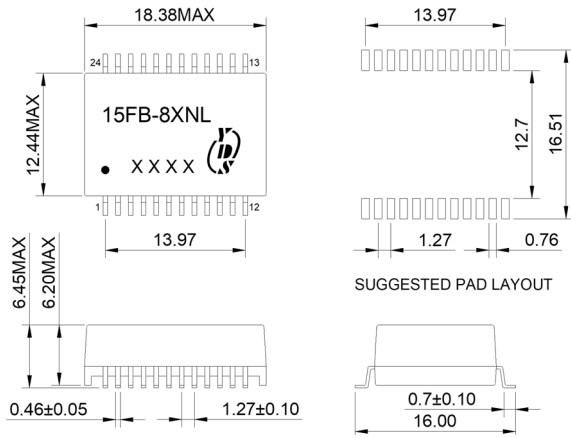
Electrical Specifications@25°C-Operating Temperature 0°C to 70°C

Part Number	Ports	Insertion Loss (dB max)	Return Loss (dB MIN @100Ω)				Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN) @60Hz	POE Current
			1-100 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz		
15FB-40NL	4	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-30	1500	350mA
15FB-83NL	1	-1.2	-18	-14	-13	-12	-	-	-	-41	-37	-33	1500	750mA
15FB-41NL	2	-1.2	-16	-14	-13	-12	-43	-37	-30	-35	-30	-25	1500	600mA
15FB-73NL	2	-1.0	-18	-14.4	-13.1	-12	-43	-37	-33	-45	-40	-35	1800	350mA
15FB-62NL	1	-1.2	-14	-	-12	-10	-	-	-	-	-	-30	1500	1.5A
15FB-30NL	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-45	-40	-35	1500	600mA
15FB-52NL	-	-1.0	-16	-13.5	-11.6	-10	-	-	-	-	-	-30	1500	720mA
15FB-10NL	1	-1.2	-16	-14	-13	-12	-43	-37	-33	-43	-37	-31	1500	350mA
15FB-21NL	2	-1.0	-18	-18	-16	-12	-43	-37	-30	-43	-37	-33	1500	600mA

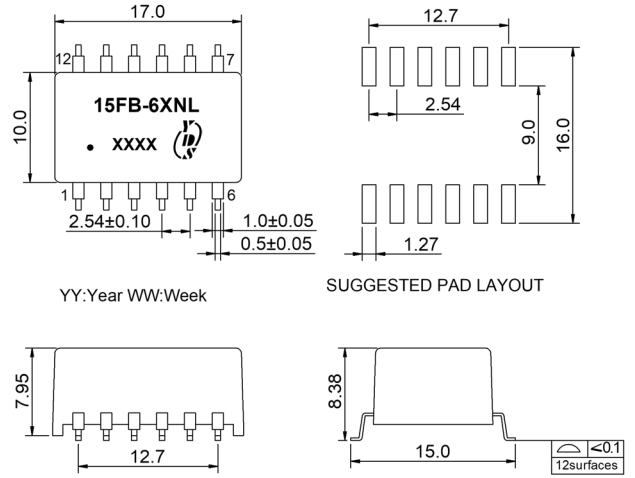


Mechanicals

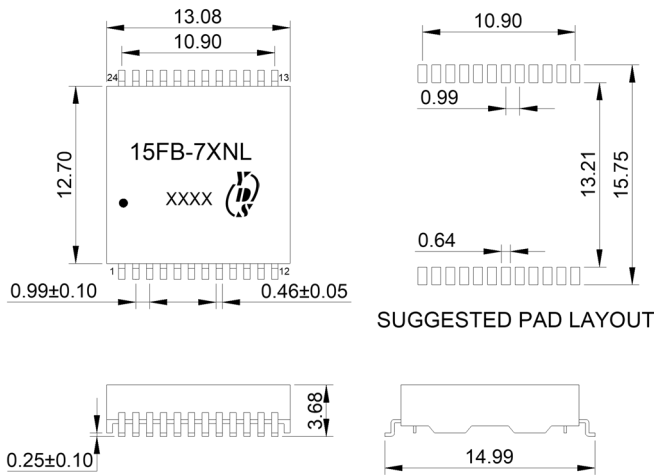
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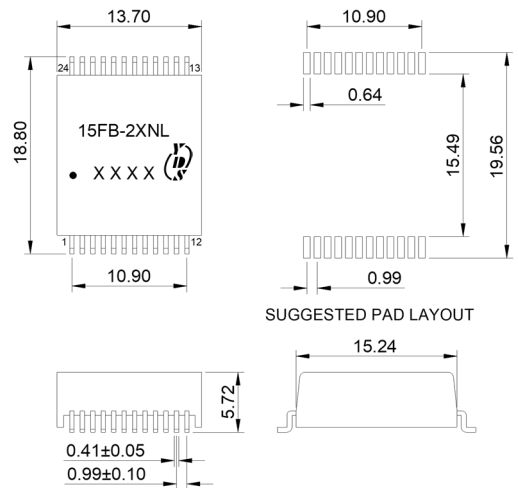
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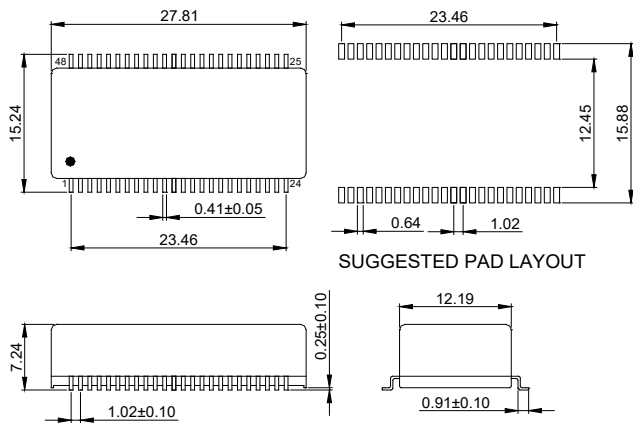
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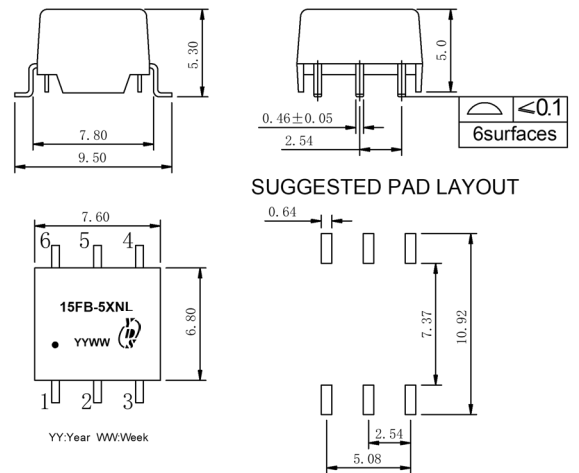
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15FB-4X

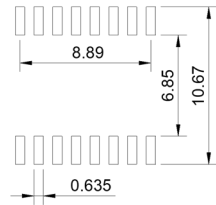
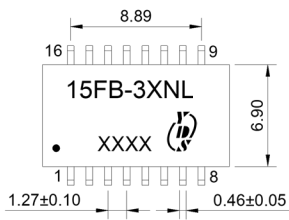


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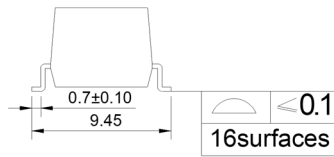
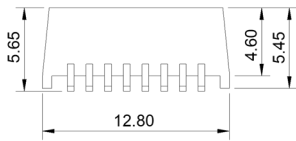


Mechanicals

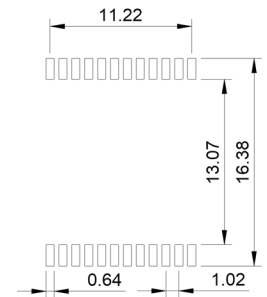
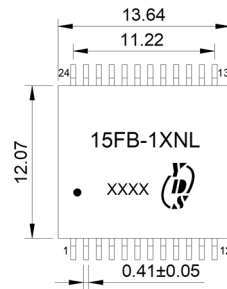
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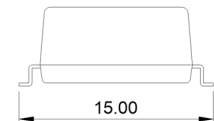
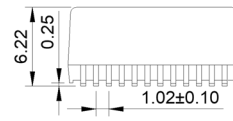
SUGGESTED PAD LAYOUT



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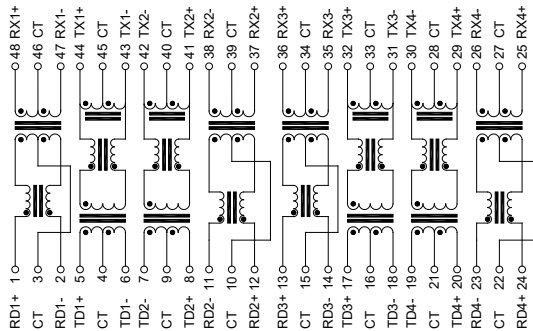


SUGGESTED PAD LAYOUT

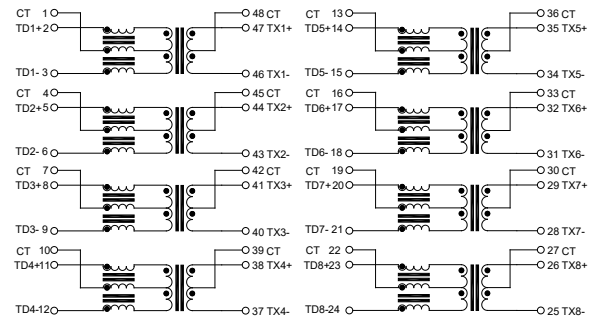


Schematics

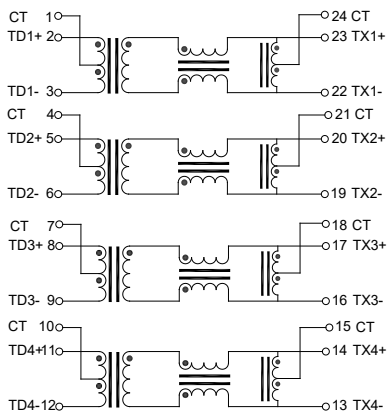
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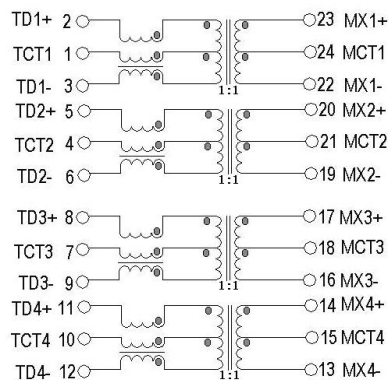
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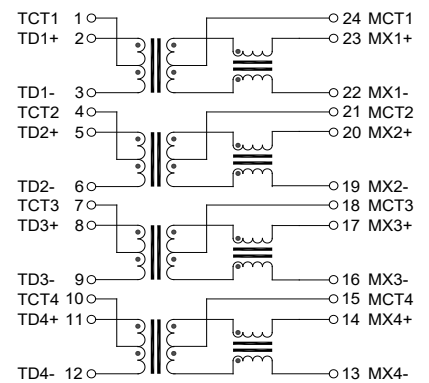
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15FB-83

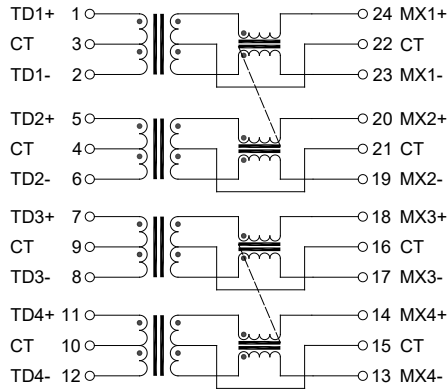


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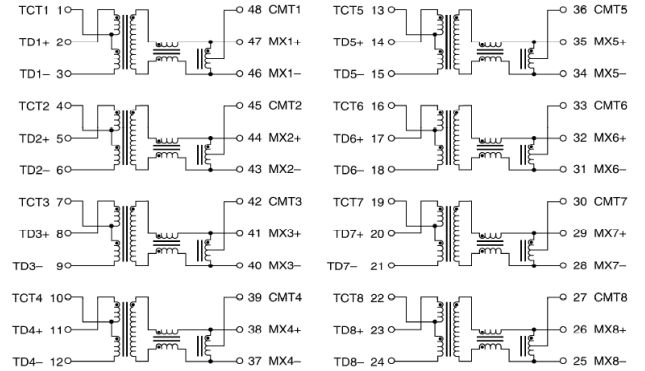


Schematics

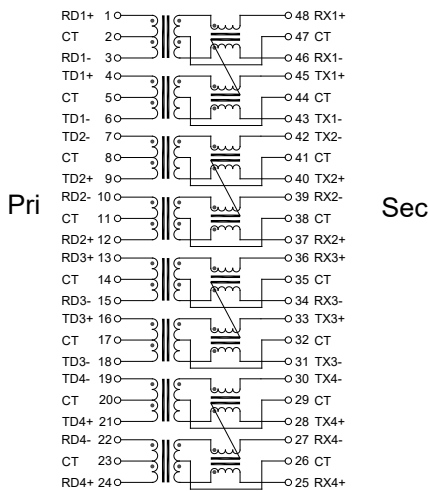
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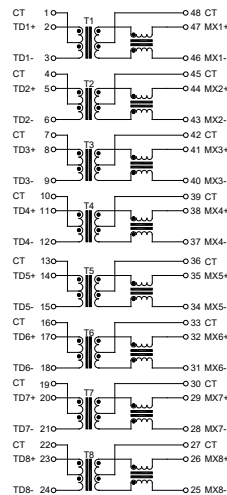
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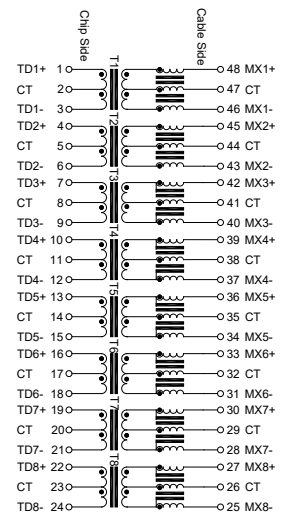
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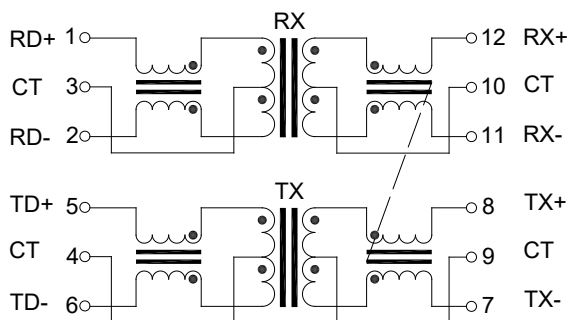
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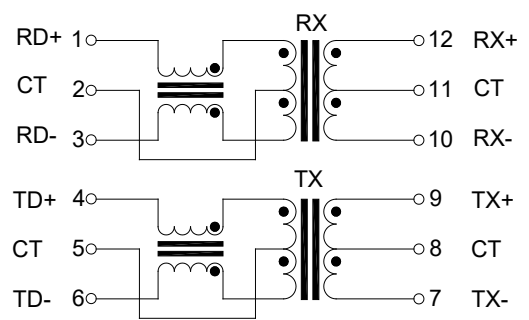
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15FB-60

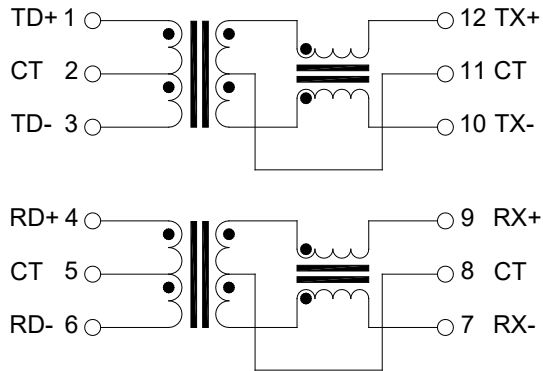


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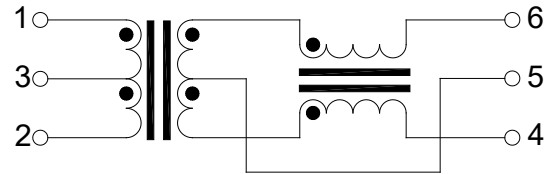


Schematics

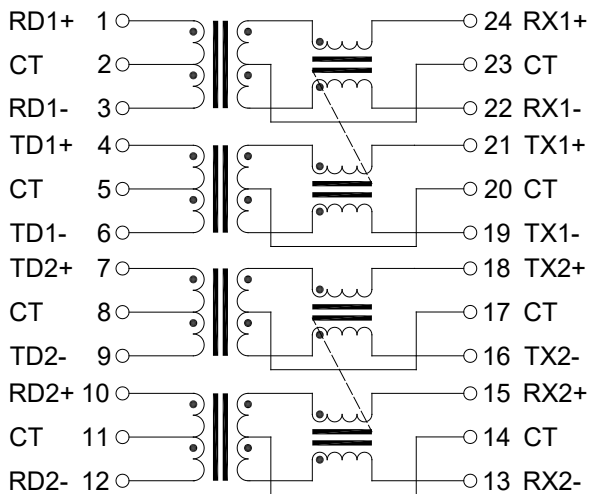
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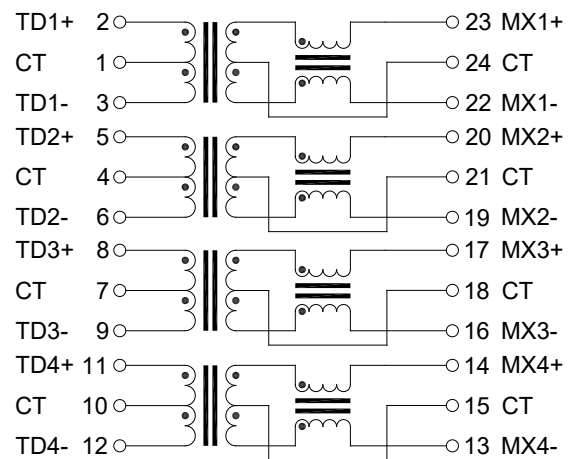
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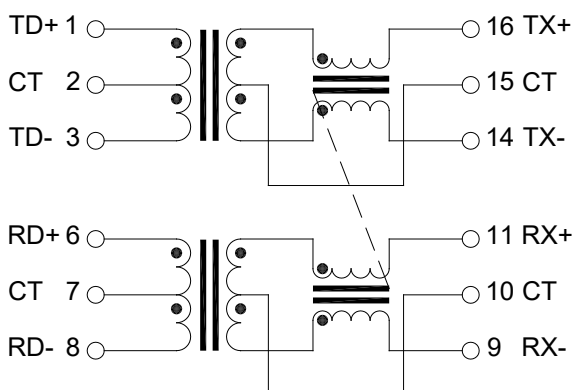
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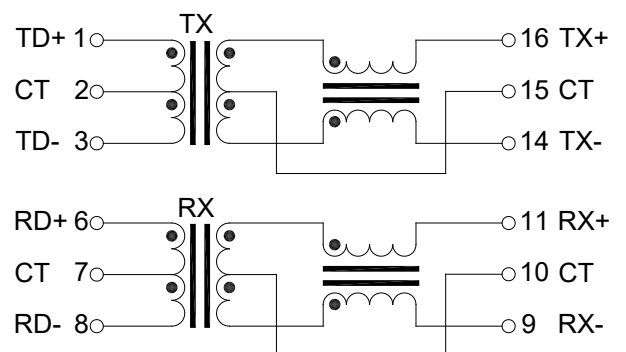
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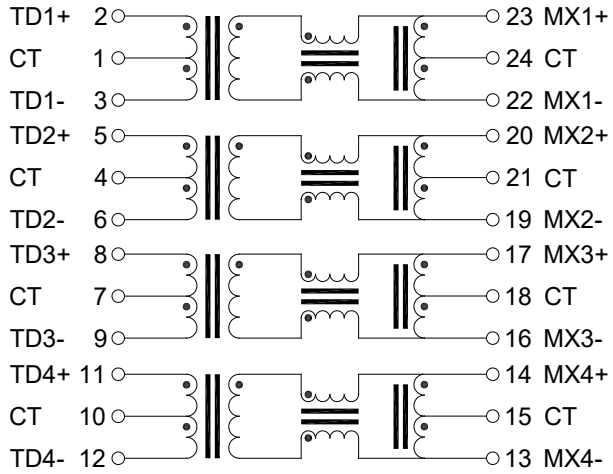


15FB-36



Schematics

15FB-72



15FB-73

