

10/100/1000 BASE TRANSFORMER

- Compliant with IEEE 802.3 standard.
- RoHS compliant.
- Operating temperature range :0°C to +70°C.
- Storage temperature range:0°C to +85°C.



Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(μH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max) 0.3-100MHz	HI-POT (Vrms)
	TX	RX			
AE-SC50001	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50002	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50002F	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50002P	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50002PH	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50002PHT	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50003	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50004	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50005	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50006	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50007	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50007P	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50007PH	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50008	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50008H	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50008PH	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50009	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50009P	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50009HT	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50009PHT	1CT:1CT	1CT:1CT	350	-1.1	3500/5000DC
AE-SC50010	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50010PT	1CT:1CT	1CT:1CT	350	-1.1	1500/4000DC
AE-SC50011PH	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50012P	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50013P	1CT:1CT	1CT:1CT	350	-1.1	1500

Address: Room 1720, Block A, Xinian Centre, Shennan Road, Futian District, Shenzhen, Guangdong, P.R. China

Tel : +86 (755) 86538552 Fax : +86 (755) 26653184 Post Code : 518057

Http: www.appselectronics.com E-mail: sales@appselectronics.com

AE-SC50014P	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50015P	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50016FH	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50017	1CT:1CT	1CT:1CT	350	-1.1	1500
AE-SC50017H	1CT:1CT	1CT:1CT	350	-1.1	1500

Continue

Part Number	Return Loss (dB Min)			Cross Talk (dB Min)	DCMR (dB Min)		
	1-30MHz	40MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
AE-SC50001	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50002	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50002F	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50002P	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50002PH	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50002PHT	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50003	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50004	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50005	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50006	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50007	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50007P	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50007PH	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50008	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50008H	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50008PH	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50009	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50009P	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50009HT	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50009PHT	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50010	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50010PT	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50011PH	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50012P	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50013P	-18	-14.4	-12	-30	-37	-33	-30

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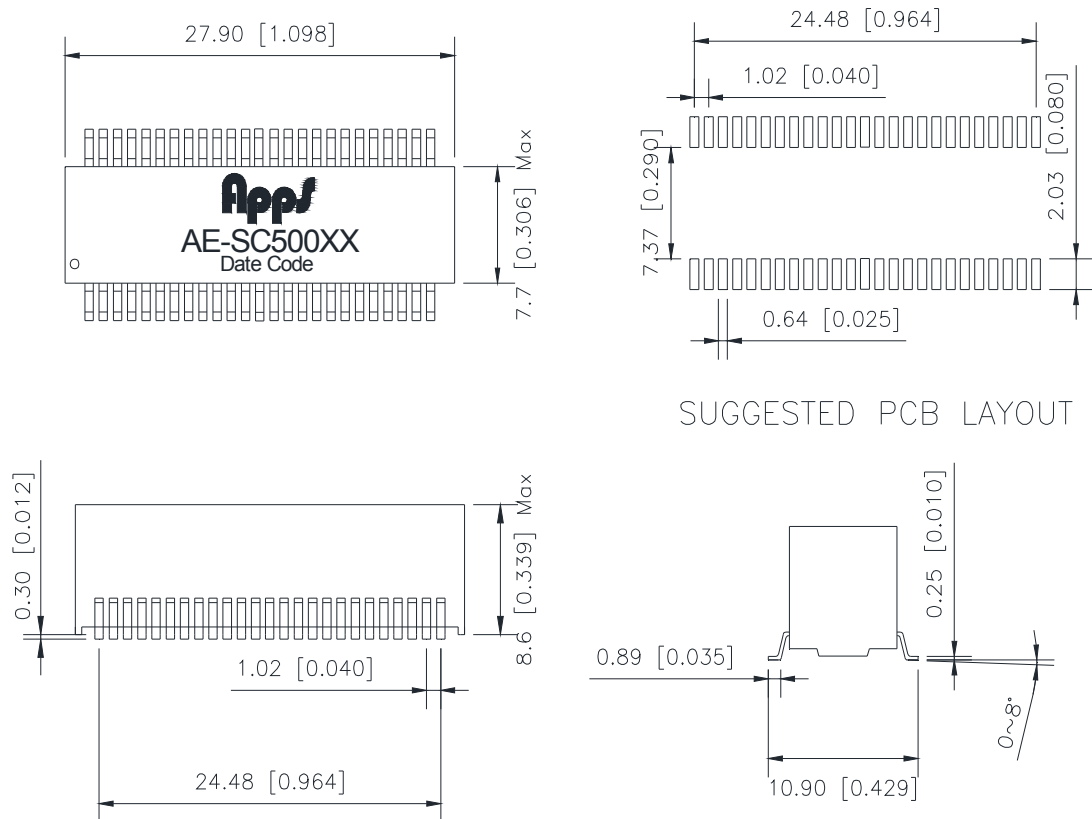
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AE-SC50014P	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50015P	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50016FH	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50017	-18	-14.4	-12	-30	-37	-33	-30
AE-SC50017H	-18	-14.4	-12	-30	-37	-33	-30

The Part Number "H": High temperature & The temperature of the wide. "P": Compliant with IEEE 802.3at standard.

"T": High HI-POT

Mechanicals:

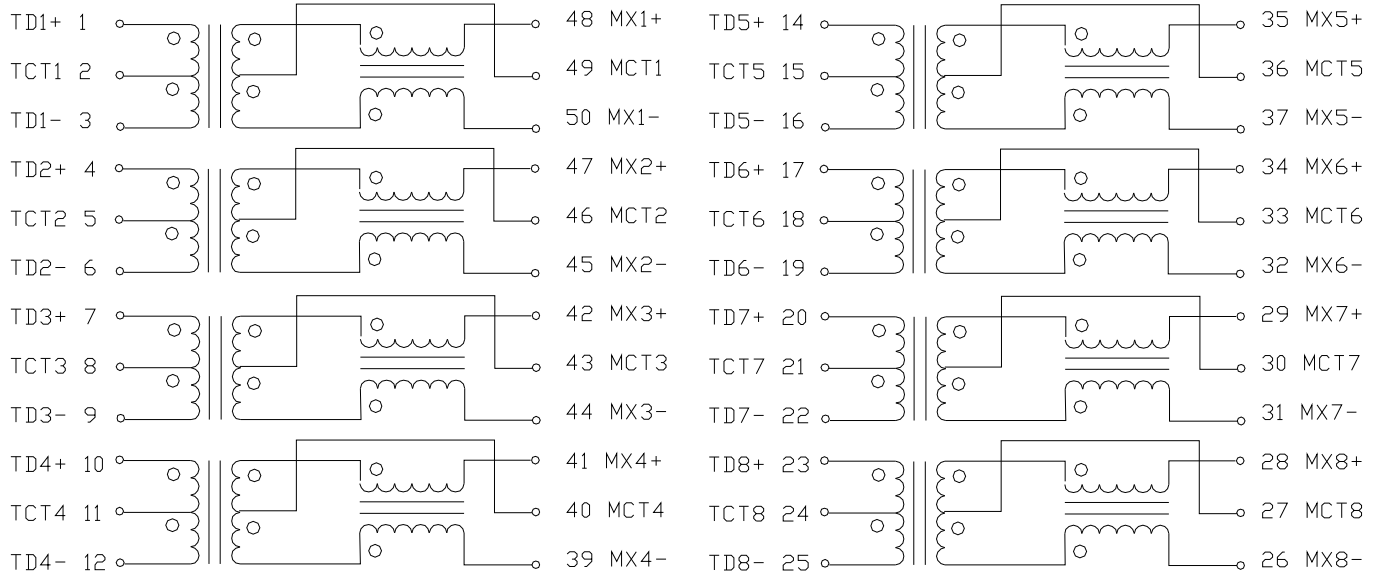


Dimension: mm[Inch]±0.25[0.010]

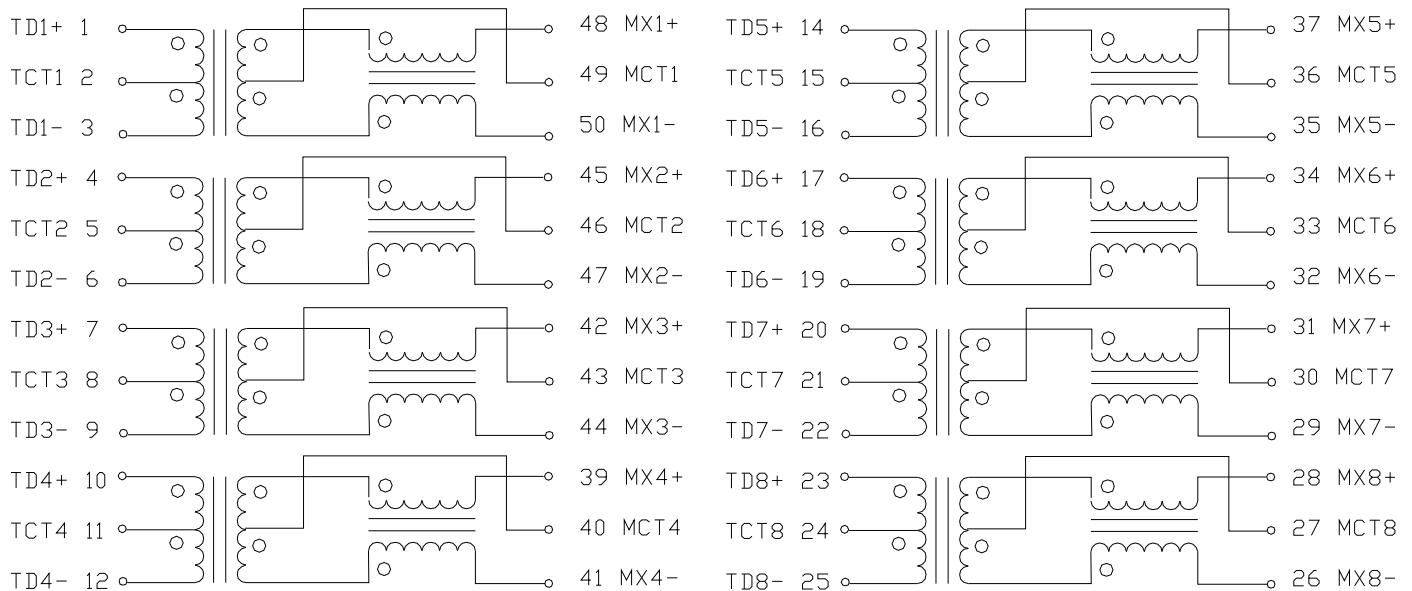
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Schematics:

AE-SC50001

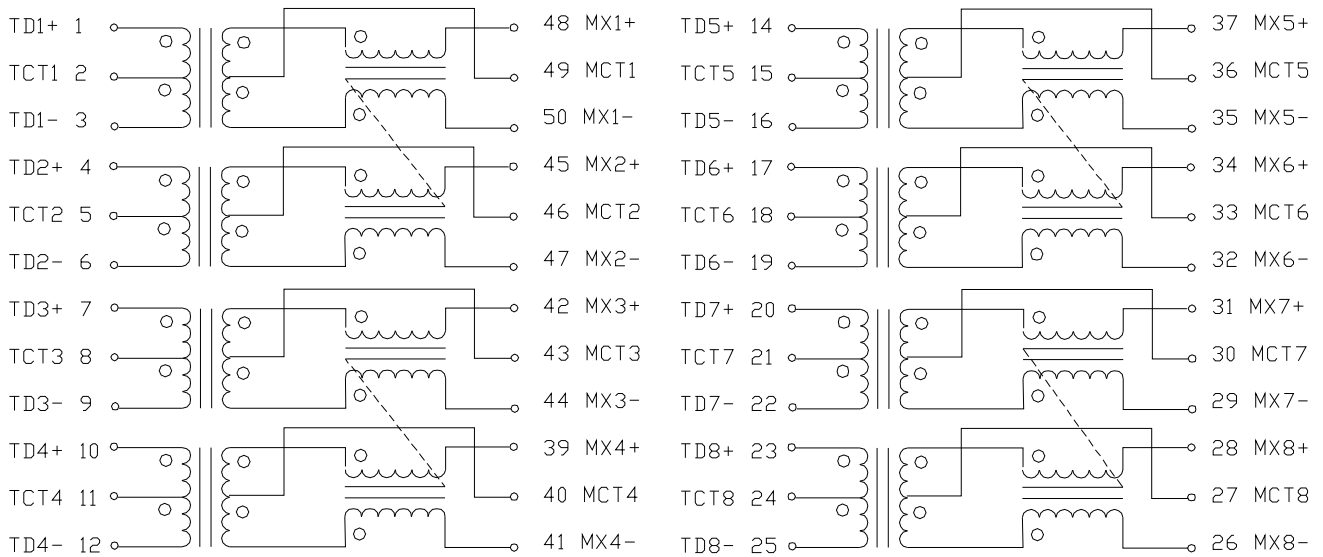


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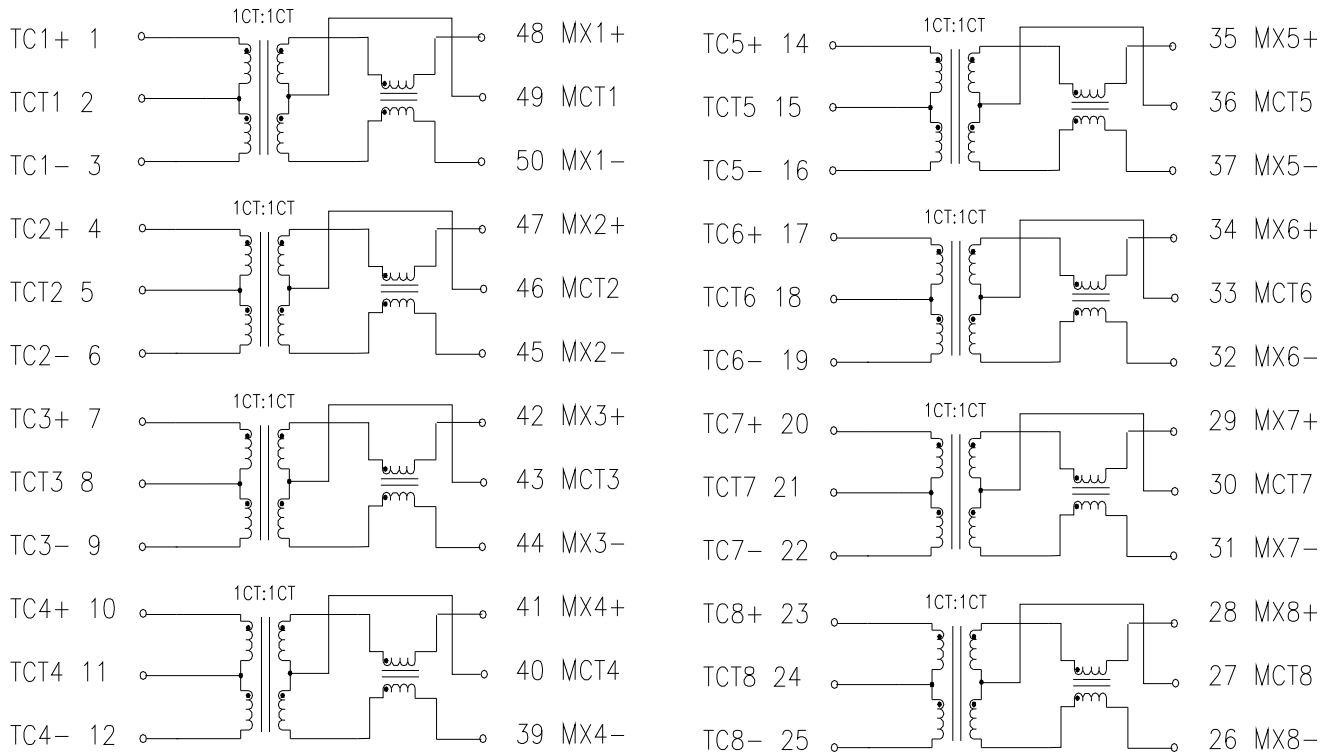


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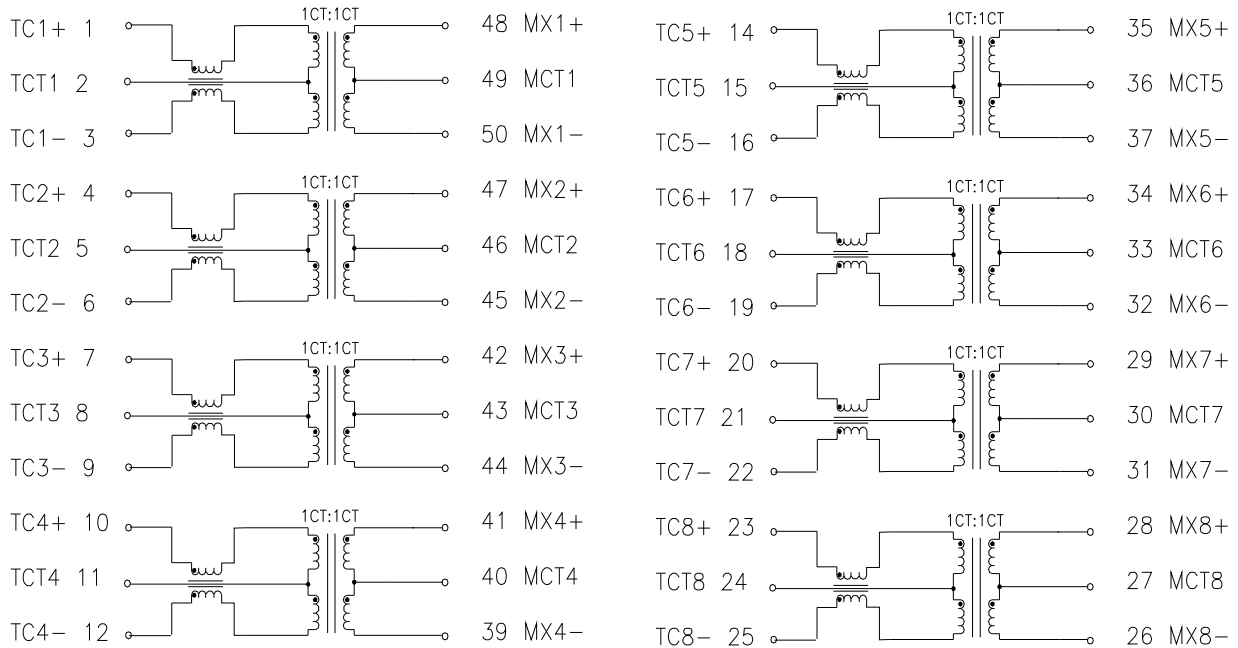


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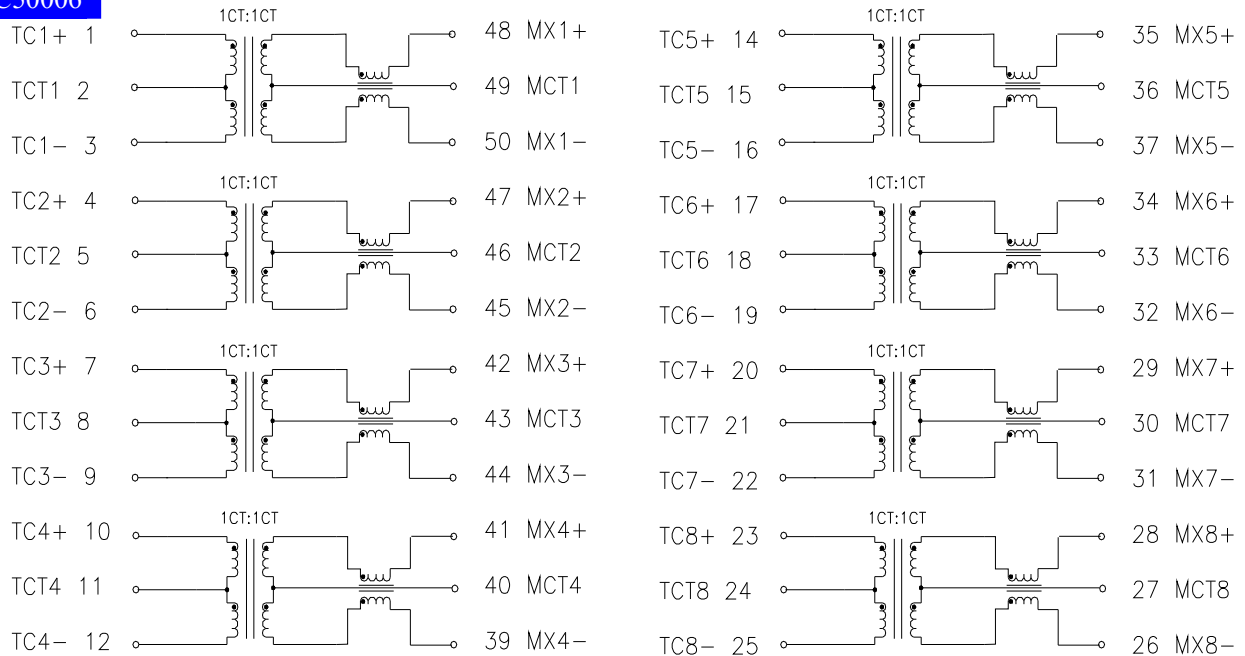


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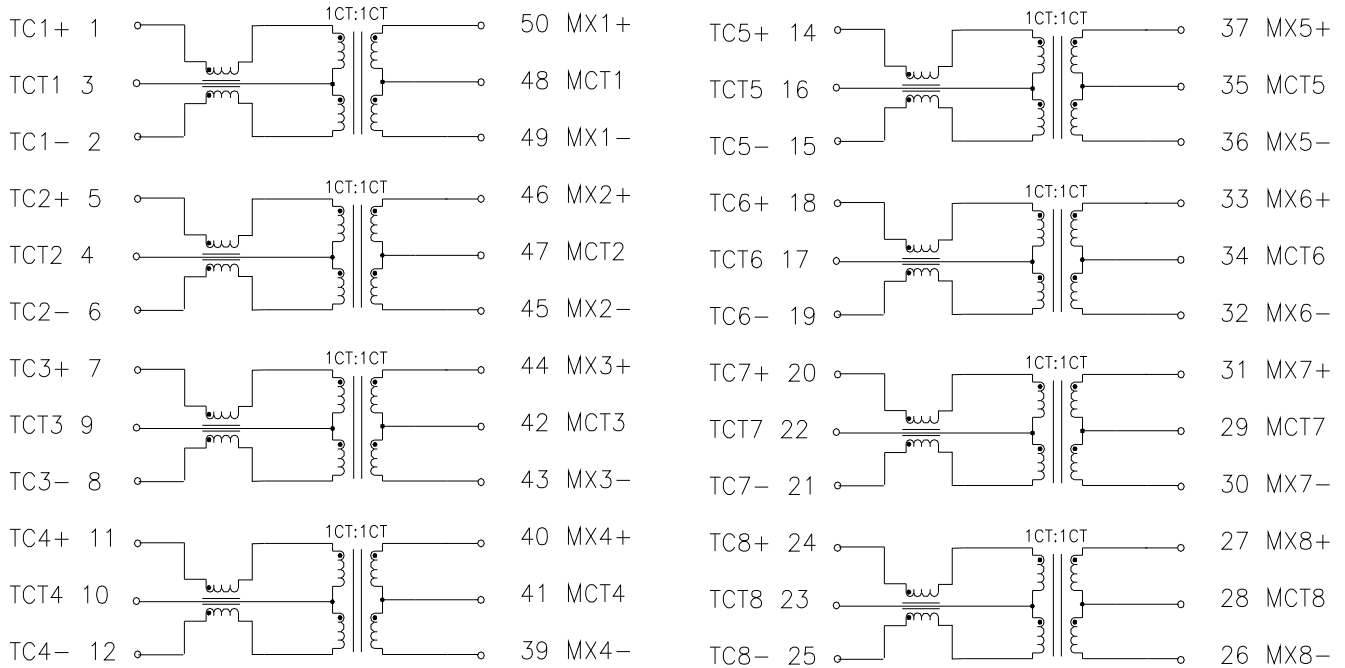


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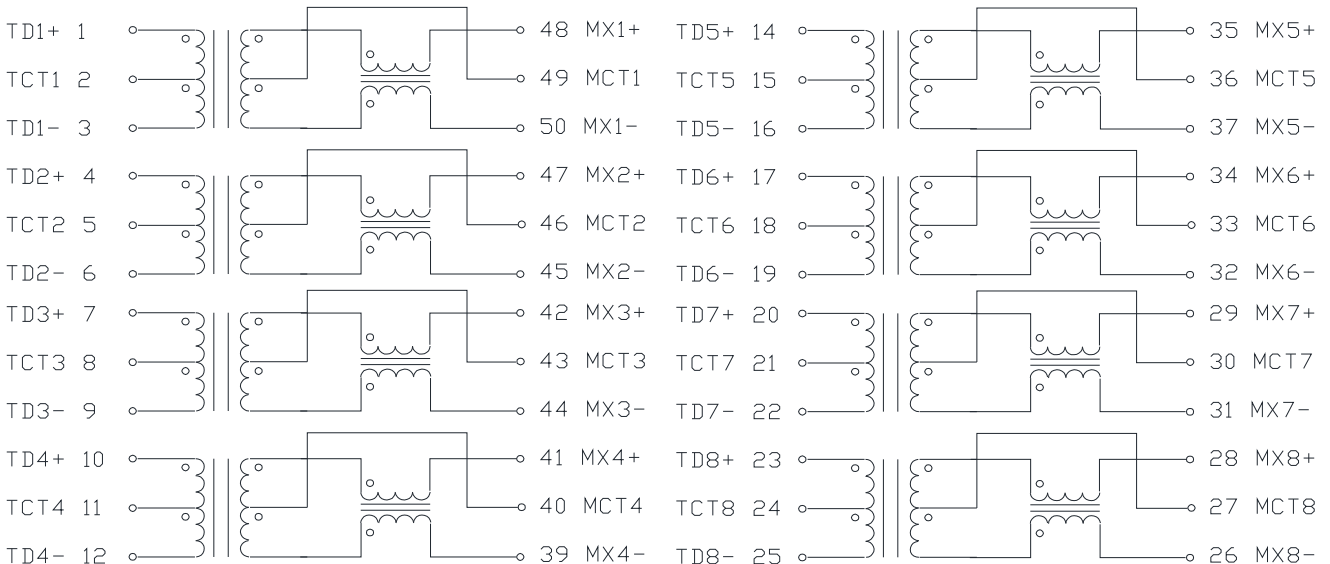


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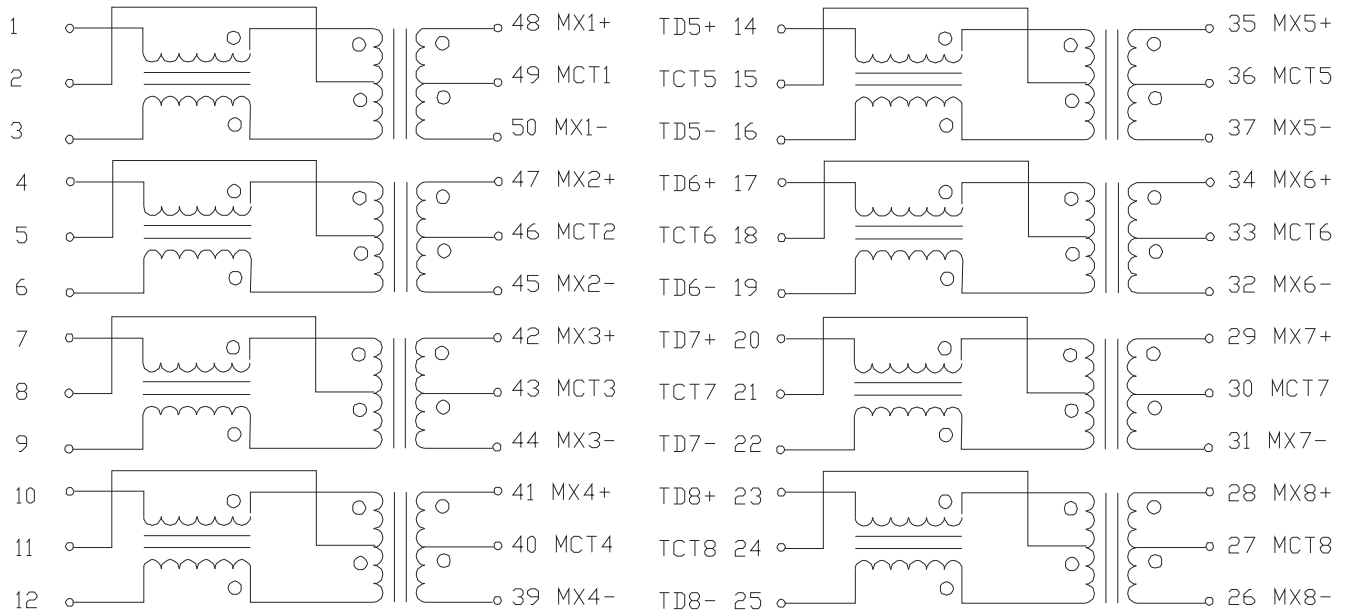


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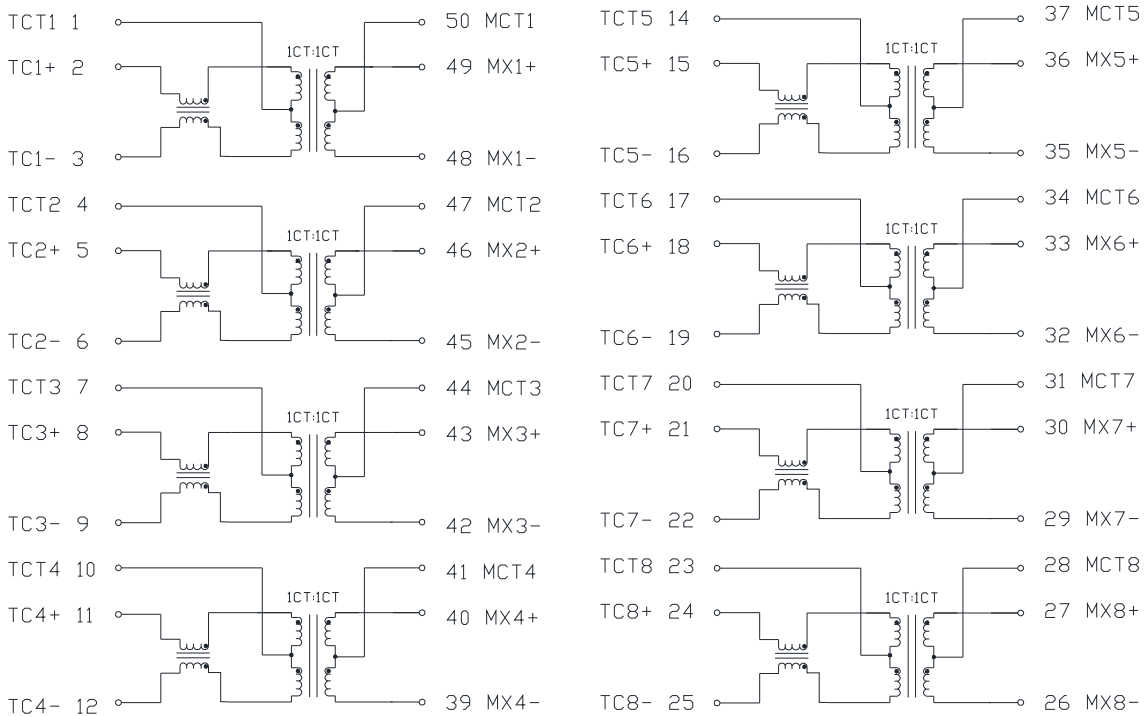


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AE-SC50009














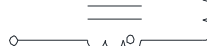












AE-SC50010







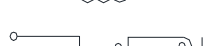
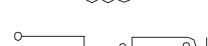


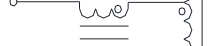

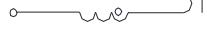









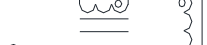



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AE-SC50011

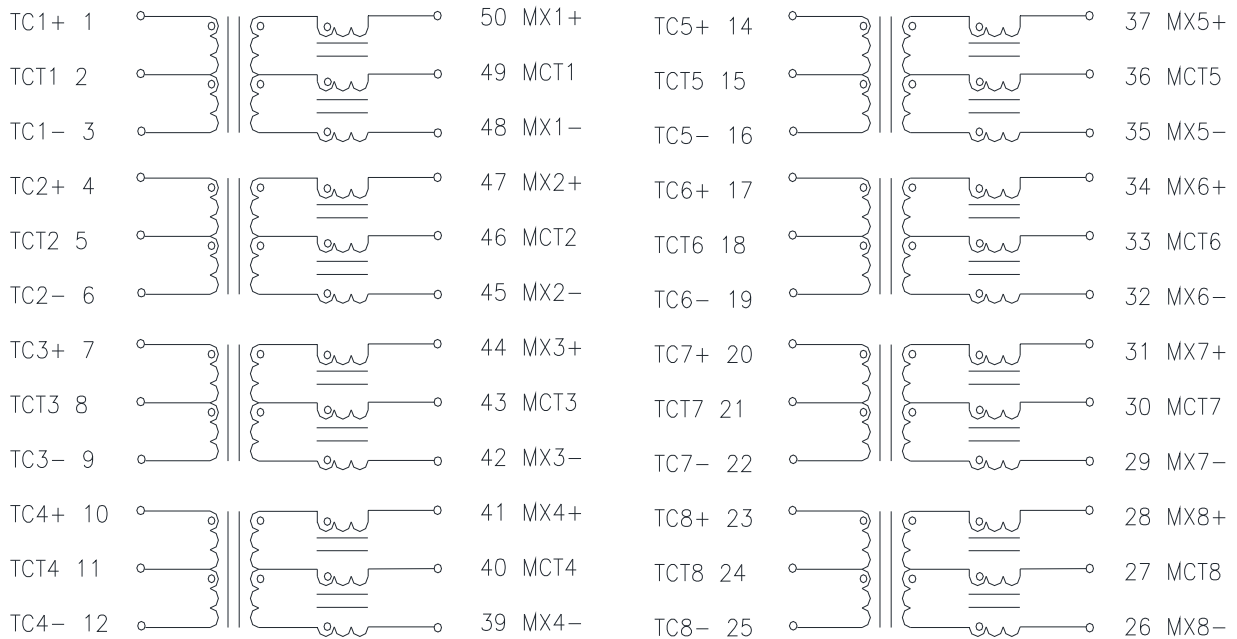
TD1+ 1		48 MX1+	TD5+ 14		37 MX5+
TCT1 2		49 MCT1	TCT5 15		36 MCT5
TD1- 3		50 MX1-	TD5- 16		35 MX5-
TD2+ 4		45 MX2+	TD6+ 17		34 MX6+
TCT2 5		46 MCT2	TCT6 18		33 MCT6
TD2- 6		47 MX2-	TD6- 19		32 MX6-
TD3+ 7		42 MX3+	TD7+ 20		31 MX7+
TCT3 8		43 MCT3	TCT7 21		30 MCT7
TD3- 9		44 MX3-	TD7- 22		29 MX7-
TD4+ 10		39 MX4+	TD8+ 23		28 MX8+
TCT4 11		40 MCT4	TCT8 24		27 MCT8
TD4- 12		41 MX4-	TD8- 25		26 MX8-

AE-SC50012/AE-SC50015

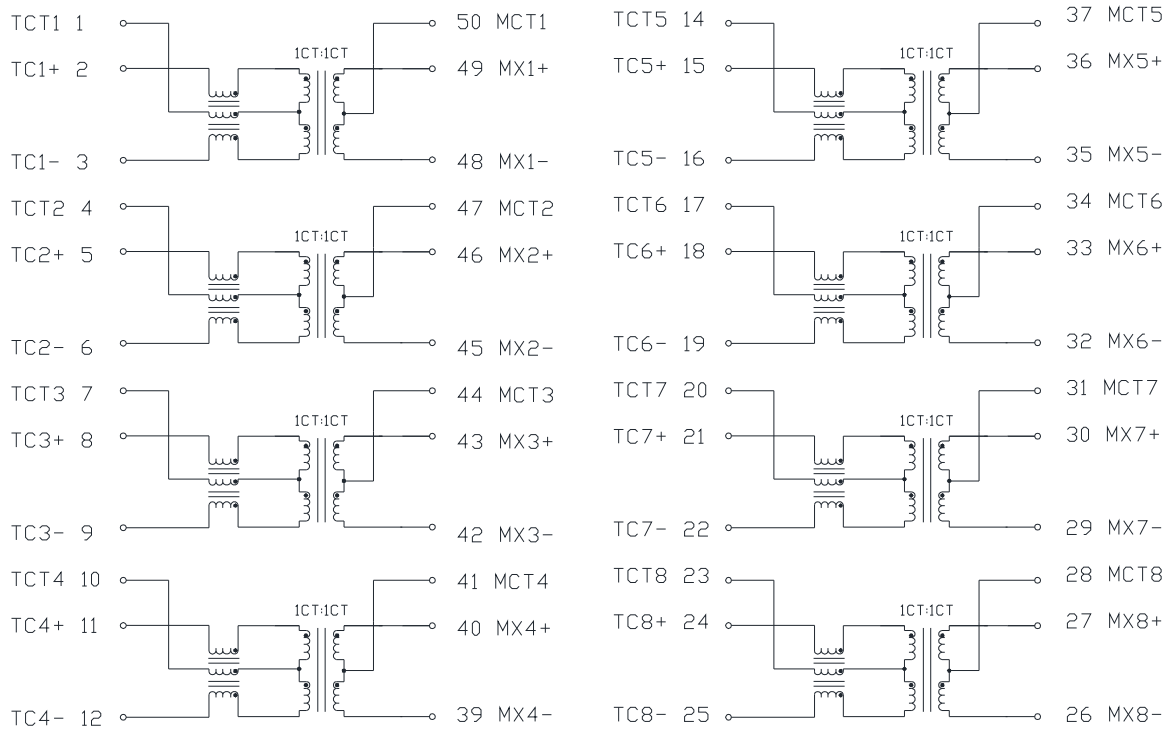
TC1+ 1		50 MX1+	TC5+ 14		37 MX5+
TCT1 2		49 MCT1	TCT5 15		36 MCT5
TC1- 3		48 MX1-	TC5- 16		35 MX5-
TC2+ 4		47 MX2+	TC6+ 17		34 MX6+
TCT2 5		46 MCT2	TCT6 18		33 MCT6
TC2- 6		45 MX2-	TC6- 19		32 MX6-
TC3+ 7		44 MX3+	TC7+ 20		31 MX7+
TCT3 8		43 MCT3	TCT7 21		30 MCT7
TC3- 9		42 MX3-	TC7- 22		29 MX7-
TC4+ 10		41 MX4+	TC8+ 23		28 MX8+
TCT4 11		40 MCT4	TCT8 24		27 MCT8
TC4- 12		39 MX4-	TC8- 25		26 MX8-

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AE-SC50013P



AE-SC50014



10/100/1000BASE TRANSFORMER

AE-SC50017

TC1+ 1		48 MX1+	TC5+ 14		37 MX5+
TCT1 2		49 MCT1	TCT5 15		36 MCT5
TC1- 3		50 MX1-	TC5- 16		35 MX5-
TC2+ 4		45 MX2+	TC6+ 17		34 MX6+
TCT2 5		46 MCT2	TCT6 18		33 MCT6
TC2- 6		47 MX2-	TC6- 19		32 MX6-
TC3+ 7		42 MX3+	TC7+ 20		31 MX7+
TCT3 8		43 MCT3	TCT7 21		30 MCT7
TC3- 9		44 MX3-	TC7- 22		29 MX7-
TC4+ 10		39 MX4+	TC8+ 23		28 MX8+
TCT4 11		40 MCT4	TCT8 24		27 MCT8
TC4- 12		41 MX4-	TC8- 25		26 MX8-

Specification	Packing Manner	Q'ty per Tube/Reel	Q'ty/Inner box	Q'ty/Carton
AE-SC500XX	TUBE	16	/	3328
	REEL	350	700	1400