


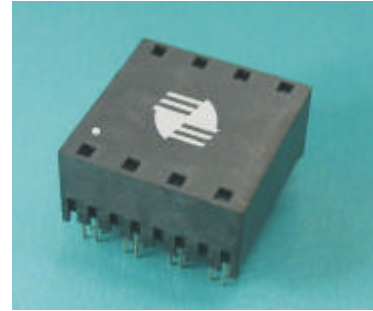


-  Compliant with IEEE802.3 standard including 350uH  
OCL with 8mA DC Bias
-  Operating temperature 0°C to +70°C
-  RoHS compliant



**ELECTRICAL SPECIFICATION @ 25°C**

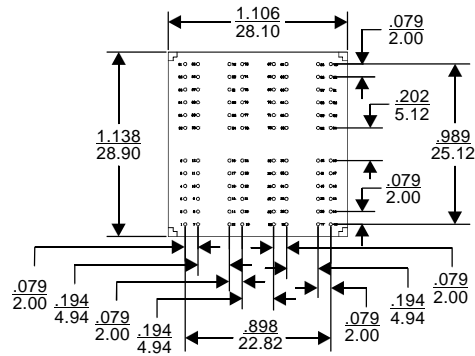
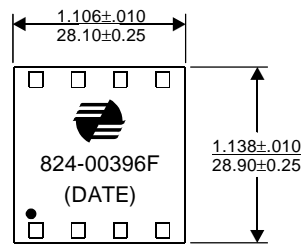
Part Number	PoE	Insertion Loss (dB Max)			Return Loss (dB Min)				CMRR (dB Min)	Crosstalk (dB Min)				Hipot (Vrms)	
		1-30MHz	100MHz	125MHz	1MHz	30MHz	60MHz	80MHz		100MHz	125MHz	1MHz	30MHz		60MHz
824-00396F	No	1.0	1.4	3.0	20	18	14.4	12	10	30	50	43	38	33	1500
		1-30MHz	100MHz	125MHz	1-30MHz	60MHz	80MHz	100MHz	1-100MHz	1-100MHz					
824-00452F	Yes	1.0	1.8	3.0	18	14.4	12	10	30	30				1500	

**ELECTRICAL SPECIFICATION @ 25°C**

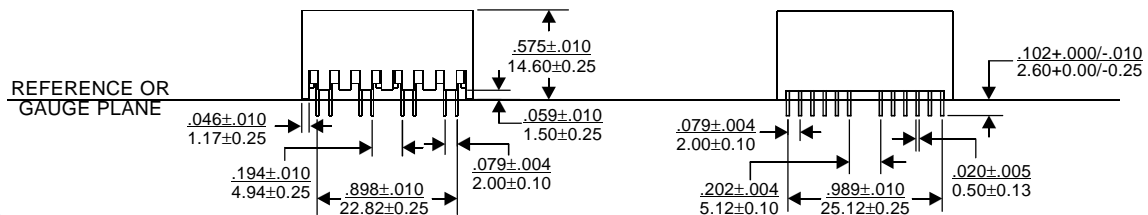
Part Number	PoE	Insertion Loss (dB Max)	Return Loss (dB Min)				DM-CMRR (dB Min)	Crosstalk (dB Min)	Hipot (Vrms)	
			1-100MHz	1-30MHz	40MHz	50MHz				60-80MHz
824-00458F	No	1.4	18	14.4	13.1	12	10	30	30	1500

**MECHANICAL DIMENSIONS**

824-00396F



Recommended Pad Layout



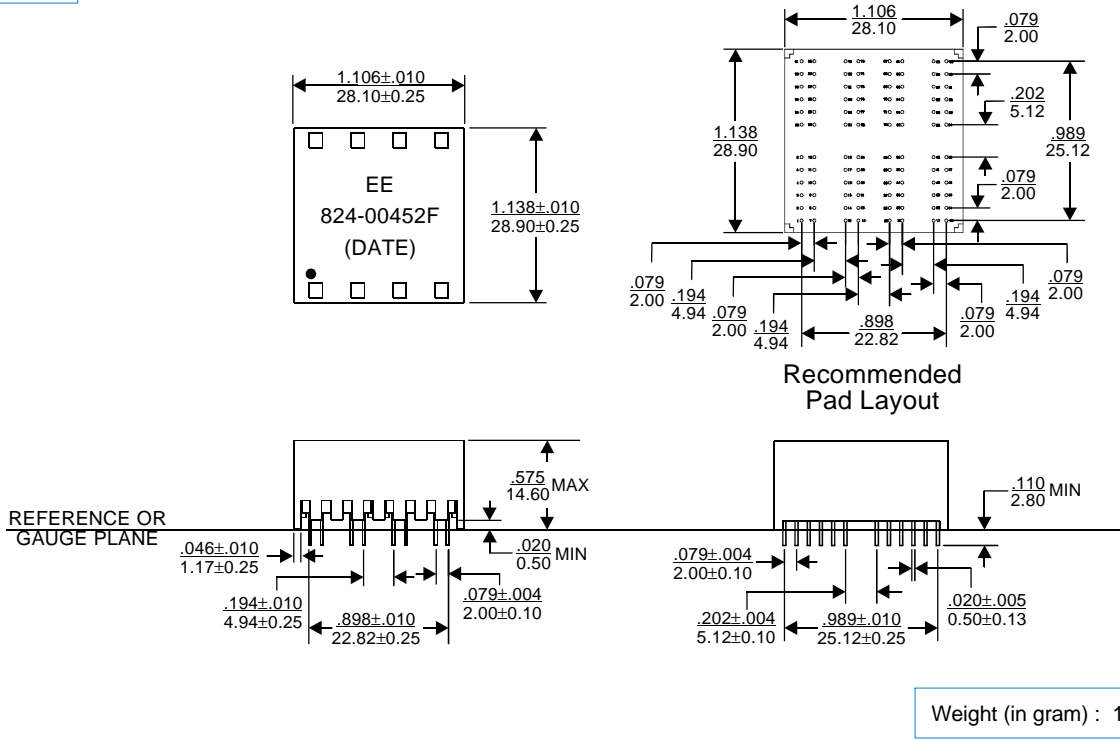
**Notes:**

1. Dimensions are specified in inches with higher precedence in mm.
2. "(DATE)" includes at least the manufacturing date code (in YYWW format) plus two character country code.

Weight (in gram) : 12.8 typ.

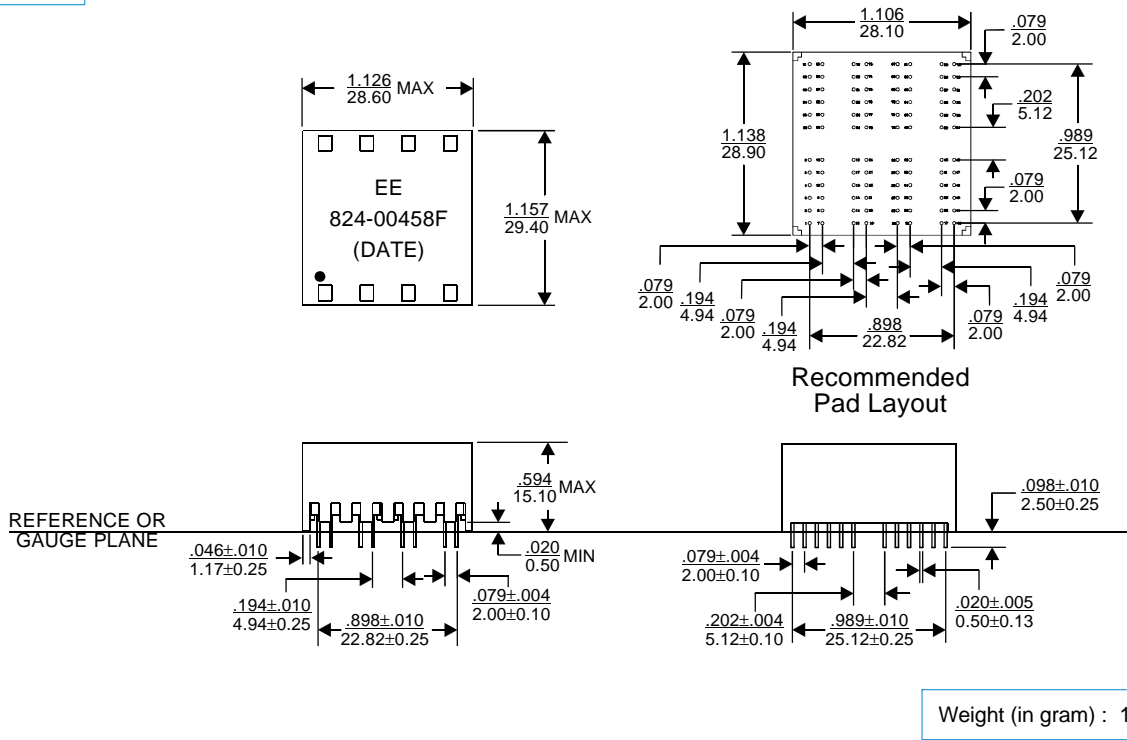
MECHANICAL DIMENSIONS

824-00452F



MECHANICAL DIMENSIONS

824-00458F



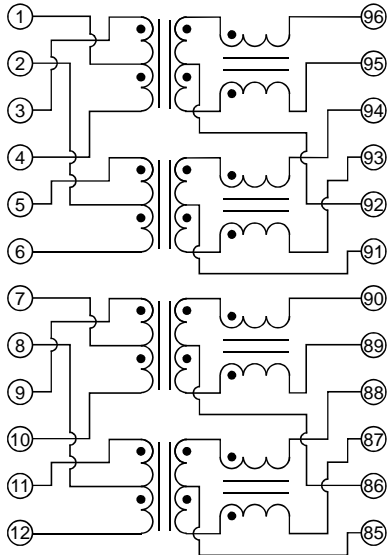


SCHEMATICS

824-00396F

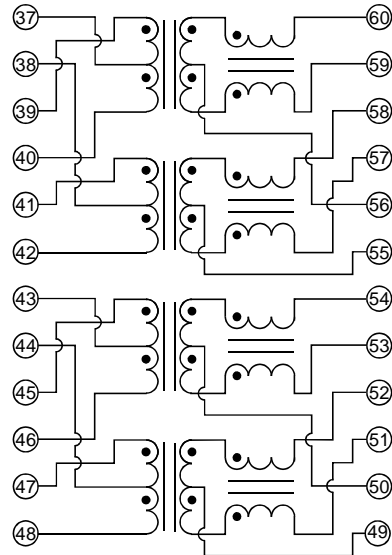
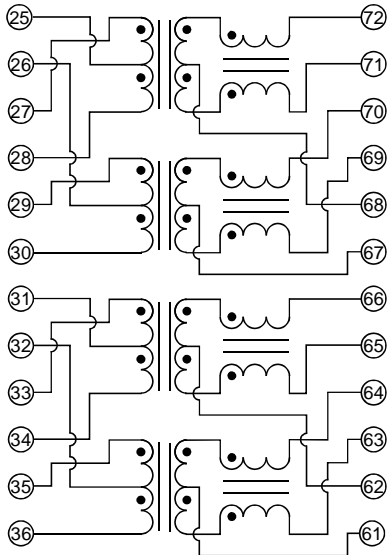
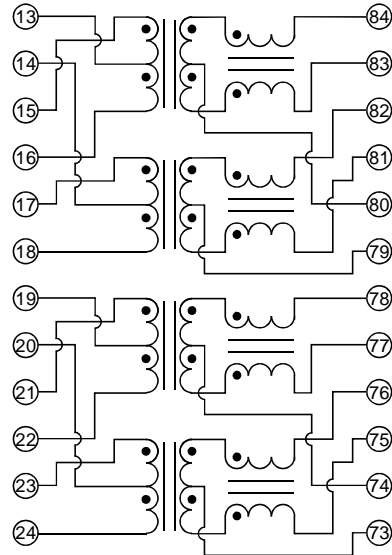
PHY Side  
(Primary)

Line Side  
(Secondary)



PHY Side  
(Primary)

Line Side  
(Secondary)



PHY Side  
(Primary)

Line Side  
(Secondary)

PHY Side  
(Primary)

Line Side  
(Secondary)

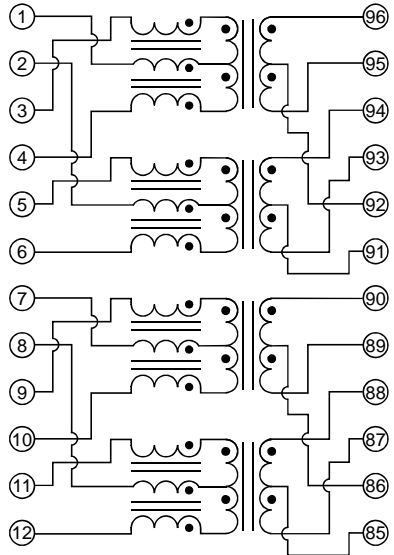


SCHEMATICS

824-00452F

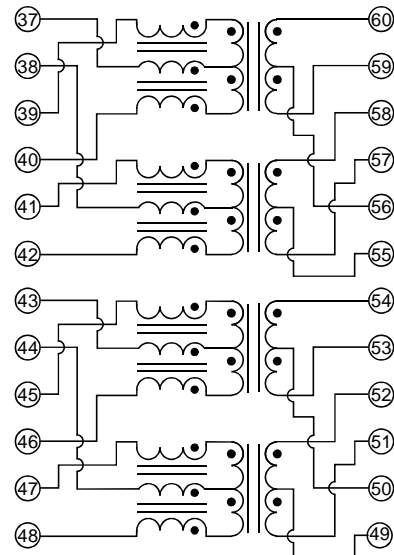
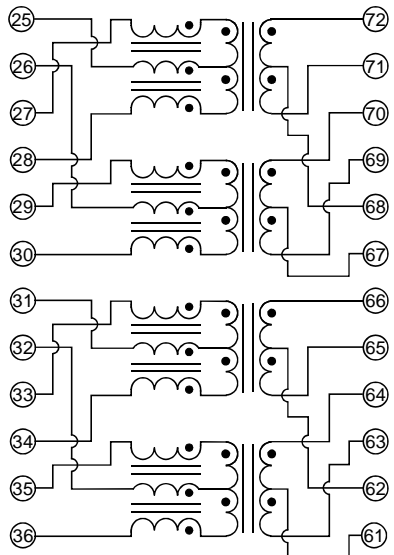
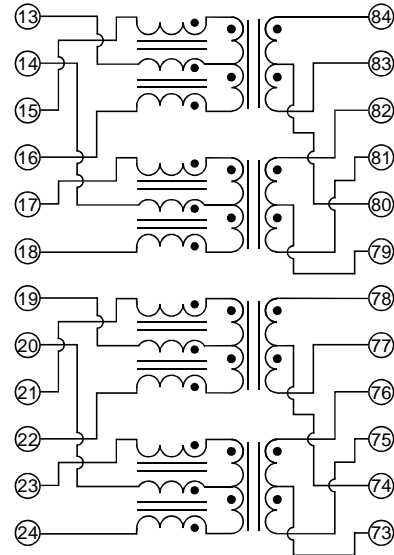
PHY Side  
(Primary)

Line Side  
(Secondary)



PHY Side  
(Primary)

Line Side  
(Secondary)



PHY Side  
(Primary)

Line Side  
(Secondary)

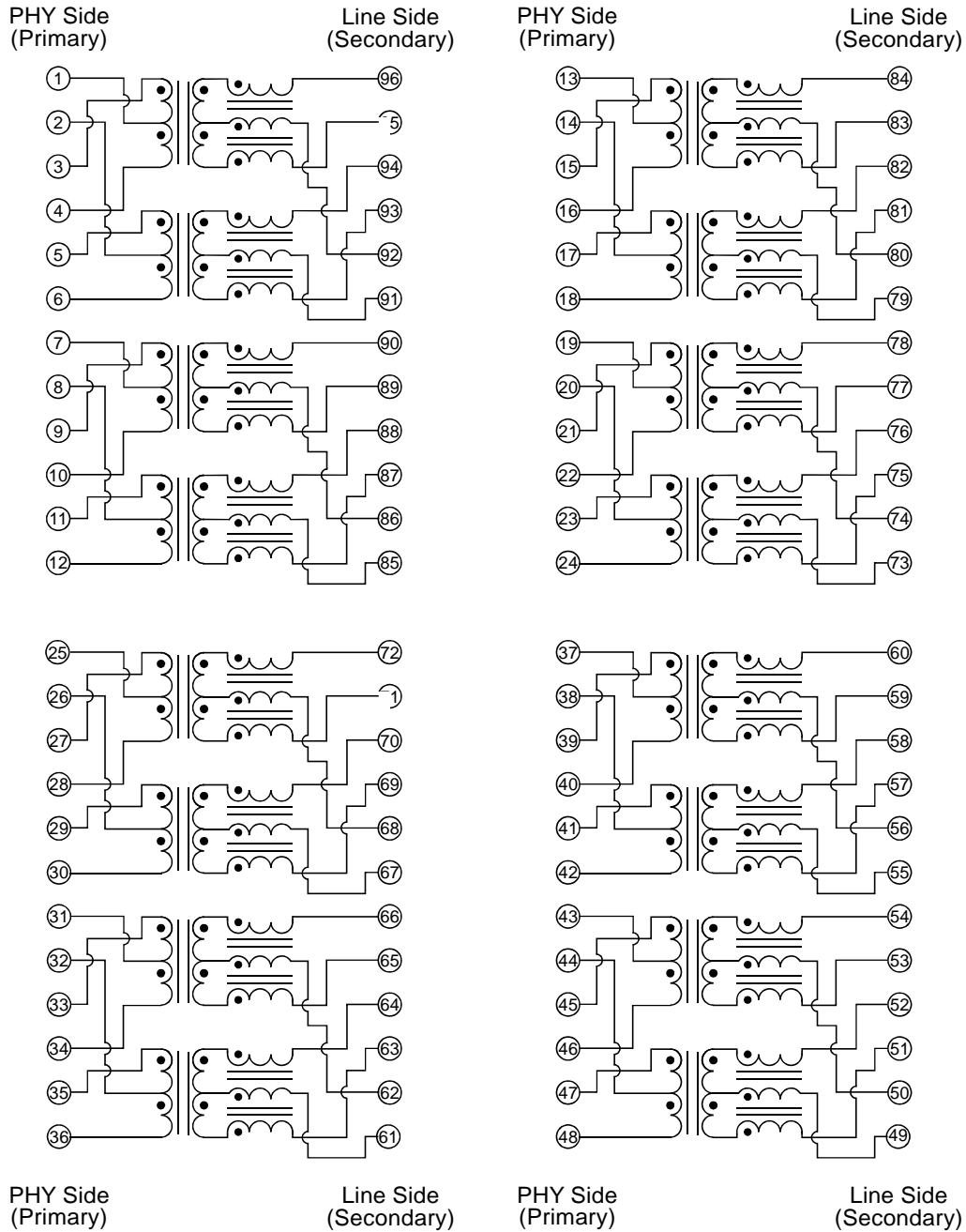
PHY Side  
(Primary)

Line Side  
(Secondary)



**SCHEMATICS**

824-00458F



FOR MORE INFORMATION, PLEASE CONTACT

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