

### 10/100/1000 BASE-T APPLICATIONS

EEMPL Part No.	Turns Ratio <sup>2</sup>	Configuration <sup>1</sup>	Package		Data Sheet
			Style <sup>3</sup>	L / W / H (in) Max.	
<b>1000 Base-T, Single Port</b>					
824-M0053	1CT:1CT	T,C	SOIC, 24 Pin	.700 / .610 / .235	EH102
824-M0060	1CT:1	T,C,A	SOIC, 24 Pin	.700 / .610 / .235	EH102
824-M0330	1CT:1CT	C,T	SOIC, 24 Pin	.700 / .610 / .235	EH102
824-00092	1CT:1	T,C,A	SOIC, 24 Pin	.530 / .750 / .250	EH104
824-00093	1CT:1CT	T,C	SOIC, 24 Pin	.530 / .750 / .250	EH104
824-M0160*	1CT:1CT	T,C	SOIC, 24 Pin	.700 / .610 / .235	EH102
824-M0328*	1CT:1	T,C,A	SOIC, 24 Pin	.700 / .610 / .300	EH102
824-M0332*	1CT:1CT	C,T	SOIC, 24 Pin	.700 / .610 / .235	EH102
824-00166*	1CT:1CT	T,C	SOIC, 24 Pin	.530 / .750 / .250	EH104
<b>1000 Base-T, Dual Port</b>					
824-M0167	1CT:1	T,C,A	SOIC, 48 Pin	1.100 / .610 / .275	EH105
824-M0168	1CT:1CT	T,C	SOIC, 48 Pin	1.100 / .610 / .275	EH105
824-M0329	1CT:1CT	C,T	SOIC, 48 Pin	1.100 / .610 / .275	EH105
824-00182	1CT:1CT	T,C	SOIC, 50 Pin	1.100 / .430 / .340	EH108
824-M0265*	1CT:1CT	T,C	SOIC, 48 Pin	1.100 / .610 / .275	EH105
824-M0331*	1CT:1CT	C,T	SOIC, 48 Pin	1.100 / .610 / .275	EH105
824-00264*	1CT:1CT	T,C	SOIC, 50 Pin	1.100 / .430 / .340	EH108

#### Notes:

1. T = Transformer, C = Common Mode Choke, A = Auto-Transformer.
  2. This indicates the turns ratio of the transformer (Chip side to Cable side).
  3. SOIC = Small Outline SMT package with pin pitch  $\leq .050$ ".
- \* Operating temperature: -40°C to +85°C.

### POWER OVER ETHERNET (POE) APPLICATIONS

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	TX	TX	RX	Style <sup>3</sup>	L / W / H (in) Max.	
1000 Base-T, Single Port						
824-M0327	1CT:1CT	C,T	C,T	SOIC, 24 Pin	.700 / .610 / .235	EH401
1000 Base-T, Dual Port						
824-M0326	1CT:1CT	C,T	C,T	SOIC, 48 Pin	1.100 / .610 / .275	EH402
10/100 Base-T, Half Port						
824-00178	1CT:1CT	T		SOIC, 6 Pin	.300 / .400 / .250	EH309
10/100 Base-T, Single Port						
824-M0145	1CT:1CT	T,C	T,C	SOIC, 16 Pin	.500 / .380 / .245	EH304
824-M0286	1CT:1CT	T	T	SOIC, 16 Pin	.500 / .380 / .245	EH304
824-00232*	1CT:1CT	T,C	T,C	SOIC, 16 Pin	.500 / .375 / .245	EH308
824-00247*	1CT:1CT	T	T	SOIC, 16 Pin	.500 / .375 / .245	EH308
10/100 Base-T, Dual Port						
824-M0146	1CT:1CT	T,C	T,C	SOIC, 24 Pin	.700 / .610 / .235	EH302
824-00100	1CT:1	T,C,A	C,T	SOIC, 24 Pin	.530 / .750 / .250	EH301
824-00101	1CT:1CT	T,C	T,C	SOIC, 24 Pin	.542 / .610 / .250	EH303
824-00103	1CT:1	T,C,A	T	SOIC, 24 Pin	.542 / .610 / .250	EH303
824-00122	1CT:1	T,C,A	T,C,A	SOIC, 24 Pin	.530 / .750 / .250	EH301
824-00208	1CT:1CT	T,C	T,C	SOIC, 24 Pin	.530 / .750 / .250	EH301
824-M0206*	1CT:1CT	T,C	T,C	SOIC, 24 Pin	.700 / .610 / .235	EH302
824-00209*	1CT:1CT	T,C	T,C	SOIC, 24 Pin	.530 / .750 / .250	EH301
10/100 Base-T, Quad Port						
824-00186	1CT:1	T,C,A	C,T	SOIC, 48 Pin	1.100 / .635 / .275	EH305
824-00283	1CT:1CT	T,C	T,C	SOIC, 48 Pin	1.100 / .635 / .275	EH305

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	TX	TX	RX	Style <sup>3</sup>	L / W / H (in) Max.	
<b>100 Base-T, Single Port</b>						
824-M0023	1CT:1	T,C,A	C,T	SMT, 16 Pin	1.000 / .510 / .235	EH021
824-M0052	1CT:1	T,C,A	C,T	SMT, 12 Pin	.593 / .590 / .202	EH022
824-M0069	1CT:1CT	T,C	T,C	SOIC, 16 Pin	.500 / .380 / .245	EH012
824-M0070	1CT:1CT	T,C	C,T	SMT, 16 Pin	1.000 / .510 / .235	EH021
824-M0074	2CT:1	T,C	T,C	SMT, 16 Pin	1.000 / .510 / .235	EH023
824-M0081	2CT:1CT	T,C	T,C	SMT, 16 Pin	1.000 / .510 / .235	EH023
824-M0085	2CT:1CT	T,C	T,C	SOIC, 16 Pin	.500 / .380 / .245	EH012
824-M0117	1:1	C,T,C	C,T,C	SOIC, 16 Pin	.505 / .610 / .235	EH015
824-M0144	1.41CT:1CT	T,C	T,C	SMT, 16 Pin	1.000 / .510 / .235	EH020
824-M0155	1CT:1CT	C,T	T,C	SOIC, 16 Pin	.500 / .380 / .245	EH012
824-00115	1CT:1	T,C,A	C,T	PCMCIA, 12 Pin	.480 / .460 / .085	EH204
824-00119	1CT:1CT	T,C	C,T	PCMCIA, 16 Pin	.510 / .380 / .078	EH203
824-00153	1CT:1CT	T,C	C,T	PCMCIA, 12 Pin	.480 / .460 / .085	EH204
824-M0118*	1CT:1CT	C,T	C,T	SOIC, 16 Pin	.500 / .380 / .245	EH012
824-M0125*	1CT:1	T,C,A	C,T	SMT, 16 Pin	1.000 / .510 / .235	EH021
824-M0142*	1CT:1CT	T,C	T,C	SMT, 16 Pin	1.000 / .510 / .235	EH021
824-M0143*	1CT:1CT	T,C	T,C	SOIC, 16 Pin	.500 / .380 / .245	EH012
<b>100 Base-T, Dual Port</b>						
824-M0020	1CT:1	T,C,A	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH018
824-M0169	1CT:1CT	T,C	T,C	SOIC, 40 Pin	1.100 / .635 / .225	EH018

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  2. This indicates the turns ratio of the transformer (Chip side to Cable side).
  3. SMT = Surface Mount Package with pin pitch > .050".  
 SOIC = Small Outline SMT package with pin pitch ≤ .050".  
 PCMCIA = Low profile SMT package for PCMCIA applications.
- \* Operating temperature: -40°C to +85°C.



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100 Base-T, Quad Port						
824-M0002	2CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH017
824-M0012	1CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0016	2CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH017
824-M0017	1CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0061	1CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0076	1CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0077	1CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0079	1CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0082	1.41CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH017
824-M0116	1CT:1CT	T,C	T,C	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0124	1:1	C,T,C	C,T,C	SOIC, 40 Pin	1.100 / .635 / .275	EH009
824-M0133*	1CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0170*	1CT:1CT	T,C	C,T	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0171*	1CT:1CT	T,C	T,C	SOIC, 40 Pin	1.100 / .635 / .225	EH019
824-M0187*	1:1	C,T,C	C,T,C	SOIC, 40 Pin	1.100 / .635 / .275	EH009
100 Base-T, 5-Port						
824-M0163	1CT:1	T,C,A	C,T	SOIC, 60 Pin	1.265 / .862 / .309	EH025
100 Base-T, Hex Port						
824-M0161	1CT:1CT	T,C	C,T	SOIC, 60 Pin	1.265 / .862 / .309	EH026
824-M0162	1CT:1CT	T,C	T,C	SOIC, 60 Pin	1.265 / .862 / .309	EH026

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