



## IC Selection Guide for 10Base-T Isolation Transformer Modules

Talema manufactures a broad range of Isolation Transformer Modules for 10Base-T, 100Base-T, 1000Base-T, AUI and ATM applications. Many of the modules include a common mode choke for noise attenuation matched to the specified transceiver and are designed for extended temperature range (-40°C to +85°C) applications. All parts are fully RoHS compliant and manufactured in an ISO-14001:2004 certified Talema factory.



IC Manufacturer	IC Part Number	Turns Ratio		Talema Part Number				
		Transmit	Receive	Miniature Single Port 12.8x9.6x6.0	Standard Single Port 20.0x12.7x5.8	Quad Port 28.0 x 16.0 x 5.8 CMC Tx/Rx	Quad Port 28.0 x 16.0 x 5.8 CMC Tx only	Quad Port 28.0 x 16.0 x 5.8 No CM Choke
AMD	AM79C984 AM79C985 AM79C988 AM79C989	1ct:1ct	1 : 1			TMQ-100A1/E1K1/N1-J TMQ-140A1-J	TMQ-100G1/J1/M1/P1-J TMQ-140G1-J	TMQ-100B1/F1/L1/O1-J TMQ-140B1-J
		1ct:1ct	1ct:1ct	TMM-100A1-J TMCM-100A1-J TMCM-200A1-J	TMS-100A1-J TMCS-100A1-J TMCS-200A1-J			
Cirrus Logic (Crystal)	CS8900A-CQ/IQ, CS8904-CM5 CS8920	1ct:1.414ct	1:1			TMQ-140A2/C2/E2-J	TMQ-140G2/H2/J2-J	TMQ-140B2/D2/F2-J
		1ct:1.414ct	1ct:1ct	TMCM-200A2-J TMCM-140A2-J TMM-140A2-J	TMCS-200A2-J TMCS-140A2-J TMS-140A2-J			
	CS8900A-CQ3/IQ3 CS8904-CM3	1ct:2.5ct	1:1	TMM-200A4-J TMCM-200A4-J	TMS-200A4-J TMCS-200A4-J	TMQ-200K4-J		
Fujitsu	MB86951 MB86961 MB86964 MB86965B	1ct:1.414ct	1ct:1ct	TMCM-200A2-J TMCM-110B2-J TMM-140A2-J	TMCS-200A2-J TMCS-110B2-J TMS140A2-J			
Intel (Level One)	LXT901, LXT901A LXT907, 914, 915 LXT916, 917, 944	1ct:1.414ct	1ct:1ct	TMCM-200A2-J TMCM-110B2-J TMM-140A2-J	TMCS-200A2-J TMCS-110B2-J TMS140A2-J			
	LXT905 LXT908	1:2 (2x)	1:1 (2x)					
		1ct:2ct	1ct:1ct	TMCM-140A3-J TMCM-120A3-J	TMCS-140-A3-J TMCS-120A3-J			
	LXT901, 901A, 907 LXT914, 915, 916 LXT917, 918, 944	1ct:1.414ct	1:1			TMQ-140A2/C2/E2-J	TMQ-140G2/H2/J2-J	TMQ-140B2/D2/F2-J
		1:1 (4x)					TMM-140B1-J	
		1:1.414 (4x)						TMM-140B2-J
µLinear	ML2652, ML2653 ML4652, ML4658	2ct:1ct	1ct:1ct	TMCM-140A6-J TMM-100A6-J	TMCS-140A6-J TMS-100A6-J			
	ML2652	2ct:1ct	1:1			TMQ-150A6/E6/K6-J		TMQ-B6/F6/L6-J
National Semi- conductor	DP83953 DP83907 DP83924A	1ct:2ct	1:1			TMQ-200A3/E3/K3-J	TMQ-200G3/J3/M3-J	TMQ-200B3/F3/L3-J
		1:2 (2x)	1:1 (2x)					
		1ct:2ct	1ct:1ct	TMCM-140A3-J TMCM-120A3-J TMCM-200A5-J	TMCS-140A3-J TMCS-120A3-J TMCS-200A5-J			
Realtek	RTL8301 80C24	1ct:1ct	1:1			TMQ-100A1/E1K1/N1-J TMQ-140A1-J	TMQ-100G1/J1/M1/P1-J TMQ-140G1-J	TMQ-100B1/F1/L1/O1-J TMQ-140B1-J
		2ct:1ct	1ct:1ct	TMCM-140A6-J TMM-100A6-J	TMCS-140A6-J TMS-100A6-J			
SEEQ	80C24, 80C25	2ct:1ct	1:1			TMQ-150A6/E6/K6-J		TMQ-B6/F6/L6-J
Texas Instruments	TNETE100A	1ct:1.414ct	1ct:1ct	TMCM-200A2-J TMCM-110B2-J TMM-140A2-J TMCM-140A2-J	TMCS-200A2-J TMCS-110B2-J TMS-140A2-J TMCS-140A2-J			
		1ct:1.414ct	1:1			TMQ-140A2/C2/E2-J	TMQ-140G2/H2/J2-J	TMQ-140B2/D2/F2-J
	TNETE2004	1ct:1.414ct	1ct:1ct	TMCM-200A2-J TMCM-110B2-J TMM-140A2-J	TMCS-200A2-J TMCS-110B2-J TMS140A2-J			
	TNETE2008	1ct:1ct	1:1	TMM-100A1-J TMCM-100A1-J TMCM-200A1-J	TMS-100A1-J TMCS-100A1-J TMCS-200A1-J	TMQ-100A1/E1K1/N1-J TMQ-140A1-J	TMQ-100G1/J1/M1/P1-J TMQ-140G1-J	TMQ-100B1/F1/L1/O1-J TMQ-140B1-J