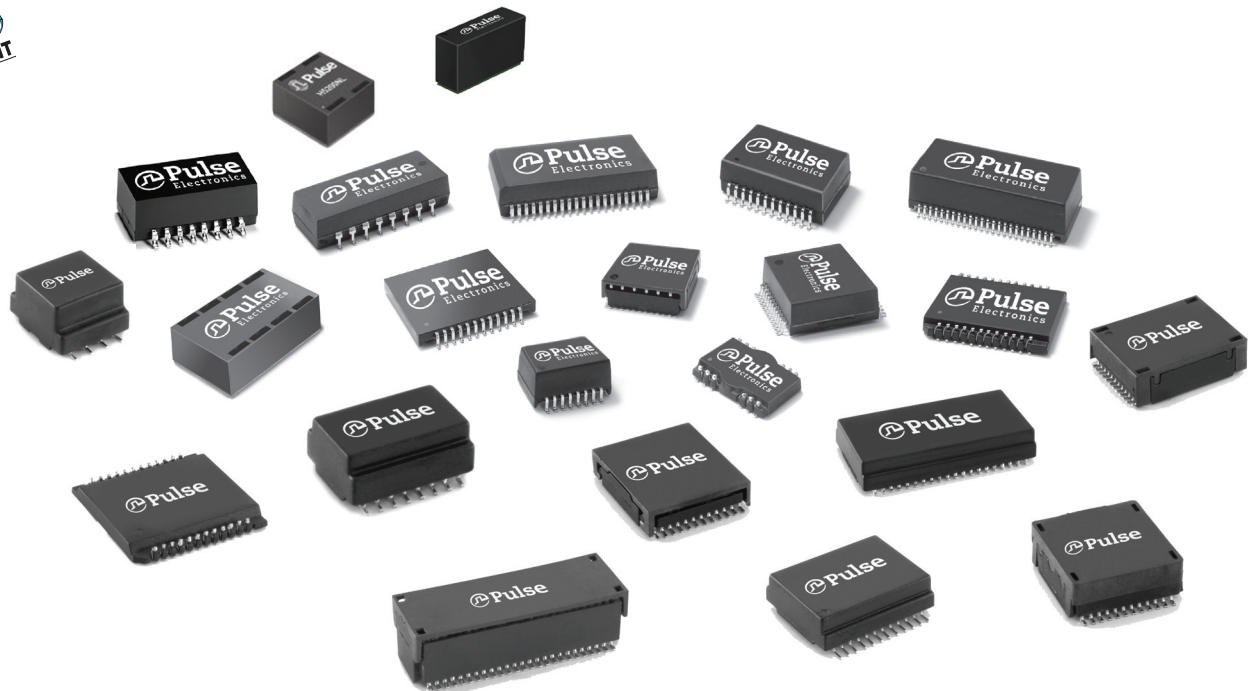


LAN DISCRETE TRANSFORMER MODULES



Pulse Discrete Transformer Modules

Pulse offers comprehensive line of discrete LAN transformer modules. Pulse Modules 100/1000/10GBASE-T are optimized for all major LAN transceivers. All modules provide electrical circuit isolation that meets IEEE 802.3, while maintaining signal integrity needed for the most demanding applications. These products are qualified at major PHY suppliers. Pulse manufactures the broadest selection of packaging options, from through hole (THT) SIL devices to the smallest available surface mount (SMT) solution at .078" (1.98 mm). Pulse offers full line of RoHS compliant products.

NOTE: This catalog section serves as an overview to the LAN discrete modules. For detailed data sheets, IC Cross Reference and a complete list of LAN discrete modules, go to the Pulse website home page at www.pulseelectronics.com/product/lan

LAN DISCRETE TRANSFORMER MODULES

DISCRETE SMT TRANSFORMER MODULES									
Number of Ports	Single			Dual			Quad		
Data Rate	100Base-TX	1GBase-T	10GBase-T	100Base-TX	1GBase-T	10GBase-T	100Base-TX	1GBase-T	10GBase-T
	H0068ANL (LP)	H5004NL	H7008FNL (4C)	H1028NL	H5012FNL	Contact Pulse for availability	H1044NL	H5400NL (BGA)	Contact Pulse for availability
	HX0068ANL (LP)	HX5004NL (X)	H7018FNL (4C)	H1174FNL	HX5012FNL (X)		H1053NL	HX5400NL (X, BGA)	
	H1012NL	H5007EFNL	H7019FNL (4C)	H1200NL	H5014FNL		H1060NL	H5401NL (BGA)	
	H1081NL	H5007NL	H7028FNL (4C)	H1270FNL	HX5014FNL (X)		H1062NL	HX5401NL (X, BGA)	
	H1100FNL	H5008FNL	H7029FNL (4C)	HX1294FNL (X)	H5020FNL		H1164FNL	H6400NL (PoE+, BGA)	
	H1102FNL	HX5008FNL (X)	H7137FNL (5C)	HX1305FNL (X)	HX5020FNL (X)		H1259FNL		
	HX1148NL (X)	H5015FNL		H2009FNL (PoE)	H5089FNL		H1664FNL		
	HX1188FNL (X)	H5019FNL (LP)		H2305FNL (PoE)	H5200NL (PoE, BGA)		HX1234NL (X)		
	HX1198FNL (X)	HX5019FNL (X, LP)		HX2305FNL (X, PoE)	HX5200NL (X, PoE, BGA)		HX1259FNL (X)		
	H1112FNL	H5062FNL		H6096FNL (PoE+)	H5201NL (BGA)				
	HX1224NL (X, 4KV)	HX5062FNL (X)		HX6096FNL (X, PoE+)	HX5201NL (X, PoE)				
	H1190FNL	H5084FNL		HX6098FNL (X, PoE+)	H6080FNL (PoE)				
	H1197FNL	HX5084FNL (X)		H6600NL (PoE+, BGA)	HX6080FNL (X, PoE)				
	H1260FNL	H5120NL (LP)			H6101FNL (PoE+)				
	HX1260FNL (X)	HX5120NL (X, LP)			HX6101FNL (X, PoE+)				
	H1302FNL	H5143NL							
	HX1302FNL (X)	H5149NL							
	HX1324FNL (X)	H5578FNL							
	H2019FNL (PoE)	H5610NL (BGA)							
	HX2019FNL (X, PoE)	HX5610NL (X, BGA)							
	H2260FNL (PoE)	H6600NL (PoE+, BGA)							
	HX2260FNL (X, PoE)	H6062FNL (PoE)							
	HX2326FNL (X, PoE+)	H6096FNL (PoE+)							
		HX6096FNL (X, PoE+)							

Abbreviations: LP = Low Profile, X = Extended Temperature, PoE = Power over Ethernet, PoE+ = Power over Ethernet Plus, 4C = 4Channel, 5C = 5Channel, BGA = Bump Grid Array

LAN FILTERED CONNECTORS ICM



PulseJack® Filtered Connectors

Pulse offers a broad selection of PulseJack RJ45 filtered connectors that integrate network magnetics with combinations of RJ45. In addition to connectivity, they provide signal conditioning, signal isolation, and EMI suppression. Designed to meet IEEE 802.3 specification. These products are qualified at major PHY suppliers. The PulseJack connectors offer a complete family of single- and multi-port solutions in high-speed applications, including 100/1000/10GBASE-T, PoE, PoE+ and UPoE. Pulse offers full line of RoHS compliant products.

NOTE: This catalog section serves as an overview to the LAN PulseJack filtered connectors. For detailed data sheets, IC Cross Reference and a complete list of PulseJack filtered connectors, go to the Pulse website at www.pulseelectronics.com/product/lan

LAN FILTERED CONNECTORS ICM

RJ45 Filtered Connectors							
Number of Ports	1x1						
Locking Taps (Up/Down)	Up			Down			
PCB Mounting Type	SMT	THT		SMT	THT		
Data Rate	100Base-TX	100Base-TX	1GBase-T	100Base-TX	100Base-TX	1GBase-T	10GBase-T
Part Numbers	J3011G21DNL (LED, BST, EMI)	J0G-0007NL (LED, BST, EMI)	J0G-0001NL (LED, BST, EMI)	J0C-0003NL	JKM-0008NL (LED, BST, EMI)	JKM-0001NL (LED, BST, EMI)	JTH-0020NL (LED, BST, EMI)
	J3026G01DNL (LED, BST,)	JXR1-0001NL (EMI)*	J0G-0003NL (LED, BST)	J0C-0004NL (EMI)	JKM-0009NL (LED, BST)	JKM-0003NL (BST, EMI)	JTH-0024NL (LED, BST, EMI)
	J3026G21DNL (LED, BST, EMI)	JXR1-0005NL*	J0G-0009NL (LED, BST, EMI)	J0C-0005NL(BST)	JKM-0010NL (BST, EMI)	JKM-0004NL (LED, BST, EMI)	JT4-1108HL (5C, LED, BST, EMI)
	JX30-0005DNL (LED, BST, EMI)	JXR1-0011NL (LED, EMI)*	JKO-0114NL (LED, EMI)	J0C-0006NL (BST,EMI)	JKM-0011NL (BST)	JKM-0015NL (LED, BST, EMI)	JT4-1109HL (5C, LED, BST, EMI)
		JXR1-0015NL (LED)*	JKO-0116NL (LED, EMI)	JV006121NL (EMI)	JXRO-0001NL (BST, EMI)*	JKM-0004NL (X, LED, BST, EMI)	JT4-1120HL (4C, LED, BST, EMI)
		J1006F01PNL (LED)	JKO-0117NL (BST, EMI)	JV01121NL (BST,EMI)	JXRO-0005NL (BST)*	JKM-0013NL (X, LED, BST, EMI)	JT3-1101NL (5C, LED, BST, EMI)
		J1006F21NL (EMI)	JKO-0133NL (BST, EMI, PoE)	JV026121NL (BST,EMI)	JXRO-0011NL (LED, BST, EMI)*	JT4-1121HL (LED, BST, EMI)	
		J1011F01PNL (LED)	JKO-0136NL (LED, BST, EMI)		JXRO-0015NL (LED, BST)*		
		J1011F21PNL (LED, EMI)	JKO-0145NL (LED, BST, EMI, PoE)		J00-0014NL (BST)		
		J1012F01CNL (LED)	JKO-0161NL (BST, EMI, PoE)		J00-0045NL (LED, BST)		
		J1012F21CNL (LED, EMI)	JKO-0177NL (LED, BST, EMI, PoE+)		J00-0061NL (BST, EMI)		
		J1012F21KNL (LED, EMI)	JKO-0187NL (LED, BST, EMI,)		J00-0065NL (LED, BST, EMI)		
		J1012F21RNL (LED, EMI)	JKO-0193NL (LED, BST, EMI, PoE)		J00-0213NL (LED, BST, EMI)		
		J1026F01NL (LED)	JXKO-0136NL (LED, BST, EMI)		JX0011D21BNL (X, LED, BST, EMI)		
		J1026F01PNL (LED, EMI)	JXKO-0190NL (LED, BST, EMI, PoE+)		JX0011D21NL (X, BST, EMI)		
		J1026F21CNL (LED, EMI)			JX0026D21BNL (LED, BST, EMI)		
		JKO-0120NL (LED, EMI)			JX0026D21NL (X, BST, EMI)		
		JKO-0125NL (LED, EMI, PoE)					
		JKO-0144NL (LED, EMI, PoE)					
		JKO-0144BNL (EMI, PoE)					

Abbreviations: LED = Light-Emitting Diode, BST = Bob Smith Termination, EMI = Electromagnetic Interference, X = Extended Temperature, PoE = Power over Ethernet, PoE+ = Power over Ethernet Plus, LP = Light-Pipe, 4C = 4Channel, 5C = 5Channel

* Pin-in-Past Capable

LAN FILTERED CONNECTORS ICM

RJ45 Filtered Connectors						
Number of Ports	1xN (2, 4, 6, 8)					
Locking Taps (Up/Down)	Up			Down		
PCB Mounting Type	THT			THT		
Data Rate	100Base-TX	1GBase-T	10GBase-T	100Base-TX	1GBase-T	10GBase-T
Part Numbers	JIN-0011NL (1x4, PoE, BST, EMI)	JIN-0003NL (1x4, PoE+, LED, BST, EMI)	Contact Pulse for availability	J8064D628ANL (1x2, LED, BST, EMI)	JON-0011NL (1x4, LED, EMI)	Contact Pulse for availability
	JIN-0012NL (1x4, EMI)	JIN-0004NL (1x4, PoE+, BST, EMI)		JX80-0019NL (1x2, LED, BST, EMI)	JON-0012NL (1x4, LED, PoE, EMI)	
	JIN-0013NL (1x4, LED, BST, EMI)	JIN-0005NL (1x4, PoE+, BST, EMI)		J8064D648ANL (1x4, LED, BST, EMI)	JON-0015NL (1x4, LED, PoE+, EMI)	
	JGO-0031NL (1x2, PoE, LED, BST, EMI)	JIN-0006NL (1x4, BST, EMI)		JX80-0022NL (1x4, X LED, BST, EMI)		
	JGO-0032NL (1x4, PoE, LED, BST, EMI)	JIN-0007NL (1x4, PoE, BST, EMI)		J8064D668ANL (1x6, X, LED, BST, EMI)		
		JIN-0008NL (1x4, PoE, LED, BST, EMI)		JX8064D668ANL (1x6, X, LED, BST, EMI)		
		JGL-0001NL (1x2, LED, BST, EMI)		J8064D688ANL (1x8, LED, BST, EMI)		
		JGL-0004NL (1x2, LED, BST, EMI)		JX8064D688ANL (1x8, X, LED, BST, EMI)		
		JGO-0023NL (1x2, LED, EMI)		J8064E62NL (1x2, BST, EMI)		
		JGO-0024NL (1x2, LED, EMI)		J8064E64NL (1x4, BST, EMI)		
		JGO-0025NL (1x4, LED, EMI)		J8064E66NL (1x6, BST, EMI)		
		JGO-0026NL (1x4, LED, EMI)		J8064E68NL (1x8, BST, EMI)		
		JGO-0027NL (1x6, LED, EMI)				
		JGO-0028NL (1x8, LED, EMI)				
		JGO-0035NL (1x4, LED, BST, EMI)				
		JGO-0098NL (1x4, LED, BST, EMI)				

LAN FILTERED CONNECTORS ICM

RJ45 Filtered Connectors					
Number of Ports	2xN (1, 2, 4, 6, 8)				
Locking Taps (Up/Down)	Up			Down	
PCB Mounting Type	THT			PF	
Data Rate	100Base-TX	1GBase-T	10GBase-T	1GBase-T	10GBase-T
Part Numbers	J20-0013NL (2x2, LED)	JCO-1011NL (2x1, LED)	JT5-2270NL (2x2, 4c, LP)	Contact Pulse for availability	JT5-2210NL (2x2, 4c, LP)
	J20-0114NL (2x4, LED)	JCO-1015NL (2x1)	JT5-2470NL (2x4, 4c, LP)		JT5-2410NL (2x4, 4c, LP)
	J20-0115NL (2x6, LED)	JCO-0351NL (2x2, LED)	JT5-2670NL (2x6, 4c, LP)		JT5-2610CNL (2x6, 4c, LP)
	J20-0116NL (2x8, LED)	JCO-0131NL (2x4)	JT5-2870NL (2x8, 4c, LP)		JT5-2810NL (2x8, 4c, LP)
	JX20-0114NL (2x4, X, LED)	JCO-0132NL (2x6)	JT5-2853NL (2x8, 5c, LP)		JT5-2801NL (2x8, 5c, LP)
	JX20-0115NL (2x6, X, LED)	JCO-0133NL (2x8)			
	JX20-0116NL (2x8, X, LED)	JOB-0364NL (2x4, PoE)			
		JOB-0366NL (2x4, PoE)			
		JOB-0368NL (2x4, PoE)			
		JOB-0384NL (2x4, PoE+)			
		JOB-0386NL (2x6, PoE+)			
		JOB-0388NL (2x8, PoE+)			