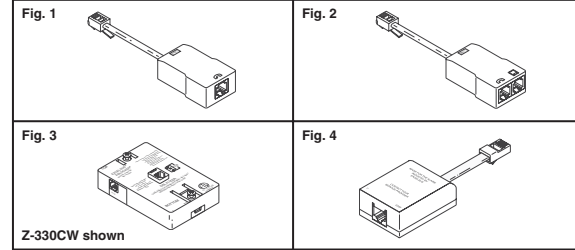


Fig.	Positions-Contacts	Dimensions – Inch (mm)			Digi-Key Part No.	Price Each			FCI Part No.	
		A	B	C		1	25	100		
Horizontal Jack – PC Board Mount										
1	4-4	0.810 (20.57)	0.540 (13.72)	0.590 (14.99)	609-1050-ND	1.61	.71	.61	68897-001LF	
	4-4	0.709 (18.00)	0.441 (11.20)	0.453 (11.50)	609-1054-ND	1.28	.69	.60	87180-044LF	
	4-4	0.480 (12.20)	0.485 (12.32)	0.725 (18.41)	609-3785-ND	.70	.36	.29	66010-004LF	
	6-2	0.709 (18.00)	0.520 (13.20)	0.453 (11.50)	609-1055-ND	.85	.38	.31	87180-062LF	
	6-4	0.709 (18.00)	0.520 (13.20)	0.453 (11.50)	609-1056-ND	1.28	.69	.60	87180-064LF	
	6-4	0.811 (20.60)	0.619 (15.72)	0.591 (15.00)	609-1060-ND	.94	.48	.41	88400-064LF	
	6-4	0.480 (12.20)	0.485 (12.32)	0.725 (18.41)	609-3784-ND	.79	.40	.33	66011-007LF	
	6-6	0.480 (12.20)	0.485 (12.32)	0.725 (18.41)	609-3691-ND	.88	.43	.37	66011-006LF	
	6-6	0.709 (18.00)	0.520 (13.20)	0.453 (11.50)	609-1057-ND	1.36	.76	.65	87180-066LF	
	6-6	0.811 (20.60)	0.619 (15.72)	0.591 (15.00)	609-1061-ND	1.07	.56	.47	88400-066LF	
2	8-8	0.698 (17.74)	0.602 (15.30)	0.500 (12.70)	609-1046-ND	.70	.34	.28	54602-908LF	
	8-8	0.709 (18.00)	0.600 (15.24)	0.453 (11.50)	609-1058-ND	1.47	.82	.71	87180-088LF	
	8-8	0.723 (18.36)	0.614 (15.60)	0.460 (11.68)	609-1069-ND	4.21	2.62	2.37	72231-088LF	
	10-10	0.698 (17.74)	0.602 (15.30)	0.500 (12.70)	609-1047-ND	.78	.39	.32	54602-910LF	
2	6-6	0.809 (20.57)	0.620 (15.75)	0.590 (14.99)	609-3632-ND	1.35	.76	.65	68898-001LF	
Vertical Jack – PC Board Mount										
3	4-4	0.625 (15.87)	0.540 (13.72)	0.615 (15.62)	609-1051-ND	1.28	.69	.60	69253-001LF	
	4-4	0.625 (15.87)	0.540 (13.72)	0.615 (15.62)	609-1067-ND	.63	.32	.26	61835-0441LF	
	6-4	0.625 (15.87)	0.620 (15.75)	0.615 (15.62)	609-3633-ND	1.27	.71	.61	69254-002LF	
	6-6	0.625 (15.87)	0.620 (15.75)	0.615 (15.62)	609-1052-ND	1.39	.77	.66	69254-001LF	
	6-6	0.625 (15.87)	0.620 (15.75)	0.615 (15.62)	609-1063-ND	1.36	.76	.65	90512-001LF	
	8-8	0.625 (15.87)	0.700 (17.78)	0.615 (15.62)	609-1053-ND	1.59	.84	.72	69255-001LF	
	8-8	0.625 (15.87)	0.700 (17.78)	0.615 (15.62)	609-1065-ND	1.83	1.05	.91	90598-001LF	
	8-8	0.665 (16.90)	0.626 (15.90)	0.620 (15.82)	609-1072-ND	2.07	1.12	.96	94152-088LF	
	Vertical Jack – SMD									
	4	4-4	0.594 (15.09)	0.570 (14.47)	0.641 (16.28)	609-1070-1-ND†	1.60	.89	.75	87543-4111LF
4-4		0.594 (15.09)	0.570 (14.47)	0.641 (16.28)	609-1070-2-ND‡	266.56/350			87543-4111LF	
6-4		0.615 (15.62)	0.520 (13.21)	0.625 (15.87)	609-1064-ND	.73	.38	.31	90512-003LF	
6-6		0.594 (15.09)	0.651 (16.53)	0.641 (16.28)	609-1071-1-ND†	1.85	1.02	.86	87545-4111LF	
6-6		0.594 (15.09)	0.651 (16.53)	0.641 (16.28)	609-1071-2-ND‡	1118.32/1,400			87545-4111LF	
8-8		0.594 (15.09)	0.731 (18.57)	0.641 (16.28)	609-1059-1-ND†	1.55	.91	.79	87547-4111LF	
8-8		0.594 (15.09)	0.731 (18.57)	0.641 (16.28)	609-1059-2-ND‡	292.48/350			87547-4111LF	

‡ Shielded † Cut Tape ‡ Tape and Reel

DSL (CPE) Filters



These customer premises equipment (CPE) filters are designed to expedite the service delivery and improve the performance of digital subscriber line (DSL) and home phoneline network (HPN) services over plain old telephone service (POTS). Its filter design electronically isolates the high-speed DSL and HPN data streams from the voice-band POTS to provide premium voice quality and optimal DSL and HPN data rates. Compliant and listed with FCC, UL, CE, and CSA.

Fig.	Description	Digi-Key Part No.	Price Each			Pulse Part No.
			1	25	50	
1	Single Line DSL Filter - Ivory	553-1183-ND◆	2.15	1.27	1.14	Z-230PJ
2	Single Line DSL Filter - White	553-1426-ND◆	2.45	1.51	1.42	Z-300TJ
	Dual Line DSL Filter - White	553-1187-ND◆	4.11	2.67	2.52	Z-D250P2J
	ANSI Dual Line DSL Filter - White	553-1495-ND◆	5.60	2.62	2.21	Z-330P2J
3	ANSI Single Line DSL Filter - Ivory	553-1185-ND◆	3.26	1.93	1.74	Z-330P2J
	ANSI Single Line DSL Filter Wall-Mount - Ivory	553-1186-ND	4.97	3.07	2.87	Z-330CW
4	Dual Line DSL Filter Wall-Mount - Ivory	553-1496-ND◆	9.60	5.47	4.82	Z-D250CWA
	Alarm Panel Single Line DSL Filter - Black	553-1497-ND◆	16.01	10.82	10.22	Z-A431P31X-A
4	Alarm Panel Single Line DSL Filter - White	553-1505-ND◆	22.82	15.14	14.30	Z-A431P31X

† Extra DSL convenience jack on side of wall mount plate ◆ RoHS Compliant

PULSEJACK™ Integrated Connector Modules Ethernet, PoE (Power over Ethernet), Gigabit, USB Options

Pulse offers a broad selection of filtered connectors. Each Pulsejack platform is designed to house a range of magnetic configurations and other internal components (common mode termination) with four 75Ω resistors and HV Cap, chip-side pin outs, shield options, USB ports and LED options.

- Features:**
- Meets or exceeds IEEE 802.3 and ANSI X3.263
 - 1500 Vrms isolation
 - Self-contained termination saves PCB space
 - Patented InterLock Base construction for high reliability

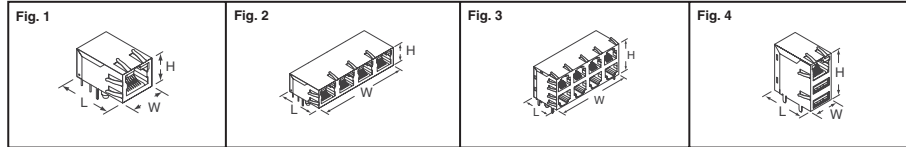


Figure Note: General representation of part, see specifications for exact number of ports.

Fig.	Number of Rows X Ports (7)	Tab Latch Up/Down (1)	Shield EMI Tabs (5)	Auto MDIX	LEDs L-R (6,8)	Other (4) Components	Comm. (15) Pins per Port (PCB Side)	Total (16) PCB Pins per Port	Configuration (2)		Turns Ratio (3)		Package L x W x H (mm)	Digi-Key Part No.	Price Each			Pulse Part No.
									TX	RX	TX	RX			1	10	100	
10BASE-TX (17)																		
1	1X1	Down	No	Yes	None	CMT	6	8	T.C	T.C	1CT:2.5	1CT:1	21.59 x 16.26 x 13.84	553-1480-ND	3.32	2.75	2.06	J00-0062NL
	1X1	Down	No	Yes	G-Y	CMT	6	12	T.C	T.C	1CT:2.5	1CT:1	21.59 x 16.26 x 13.84	553-1481-ND	3.56	2.95	2.21	J00-0063NL
	1X1	Down	Yes	Yes	G-Y	CMT	6	12	T.C	T.C	1CT:2.5	1CT:1	21.59 x 16.26 x 13.84	553-1478-ND	3.76	3.12	2.34	J00-0051NL
10/100BASE-TX																		
1	1X1	Up	Yes	Yes	G-Y	CMT (12)	7	12	T.C	T.C	1CT:1	1CT:1	25.40 x 16.10 x 13.61	553-1491-ND	5.89	4.99	3.86	J3011621DNL
	1X1	Down	No	Yes	None	CMT (12)	7	8	T.C	T.C	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1484-ND	5.31	4.50	3.48	J0011D01NL
	1X1	Down	No	Yes	None	CMT (12)	8	12	T.C	C.T	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1487-ND	5.29	4.39	3.29	J0026D01NL
	1X1	Down	No	Yes	G-Y	CMT (12)	7	12	T.C	T.C	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1483-ND	5.48	4.64	3.59	J0011D01BNL
	1X1	Down	No	Yes	G-Y	CMT (12)	8	12	T.C	C.T	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1486-ND	5.62	4.76	3.68	J0026D01BNL
	1X1	Down	No	Yes	G-Y	CMT (12)	8	12	T.C	C.T	1CT:2.5	1CT:1	21.59 x 16.26 x 13.84	553-1490-ND	5.48	4.64	3.59	J0073D01BNL
	1X1	Down	Yes	No	G-Y	CMT (13)	8	12	T.C.S	C.T	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1349-ND	5.62	4.76	3.68	J0026D21BNL
	1X1	Down	Yes	Yes	None	— (13)	6	8	T.C	T.C	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1482-ND	3.48	2.89	2.17	J00-0064NL
	1X1	Down	Yes	Yes	None	CMT (12)	6	8	T.C	T.C	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1479-ND	3.76	3.12	2.34	J00-0061NL
	1X1	Down	Yes	Yes	None	CMT (13)	7	8	T.C	T.C	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1347-ND	5.16	4.27	3.20	J0011D21NL
	1X1	Down	Yes	Yes	None	CMT (12)	8	12	T.C	C.T	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1489-ND	5.29	4.39	3.29	J0026D21NL
	1X1	Down	Yes	Yes	G-G	CMT	7	12	T.C	T.C	1CT:1.414	1CT:1	21.59 x 16.26 x 13.84	553-1348-ND	5.48	4.64	3.59	J0018D21ENL
	1X1	Down	Yes	Yes	G-G	CMT (12)	8	12	T.C	C.T	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1488-ND	5.62	4.76	3.68	J0026D21ENL
	1X1	Down	Yes	Yes	G-Y	CMT (12)	7	12	T.C	T.C	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1485-ND	5.48	4.64	3.59	J0011D21BNL
	1X1	Down	Yes	Yes	G-Y	CMT (12)	7	12	T.C	T.C	1CT:1	1CT:1	21.59 x 16.26 x 13.84	553-1345-ND	3.97	3.29	2.47	J00-0065NL

KEY (1) Tab Down = thumb lock facing down to PCB; Tab Up = thumb lock facing away from PCB (2) Magnetics = Chip (PHY) to Cable (Media) side; T = Transformer, C = Common Mode Choke, S = Shunt Inductor (3) Turns Ratio = Chip (PHY) to Cable (Media) side (4) CMT (Common Mode Transformer) with HV Cap within the connector, no extra PCB real estate required (5) EMI Tabs = On the outside face of the shield for connecting to a front panel (6) LEDs require external 5V source and 250Ω external resistors (7) Note: For example, 1X4 = 1 row/4 columns or a 2X4 = 2 rows/4 columns (8) LEDs: L-R = Left - Right; G = green, Y = yellow, — = none; Bicolor: G/O = Green/Orange, Y/G = Yellow/Green, G/A = Green/Amber, G/Y = Green/Yellow (9) Includes ESD overvoltage protection diodes (10) Provides typically 2kV voltage isolation and are compliant to IEEE 802.3af PoE standard (11) Includes Gigabit compatible magnetics (12) Built-In BST Circuit = Capacitor resistor termination circuit (13) Different electrical connection (See data sheet for more information) (14) PoE = Power over Ethernet compatible product, compliant to IEEE 802.3af standard, providing minimum 1.5kV isolation (15) Number of PCB connections required for RJ-45 connector communication to PHY/IC Chip (16) Total number of PCB pins for PCB layout, which include LED option (17) IEEE802.3i (10Base-T) standard does not require these parts to achieve 350uH minimum OCL Inductance with 8mA bias current.

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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