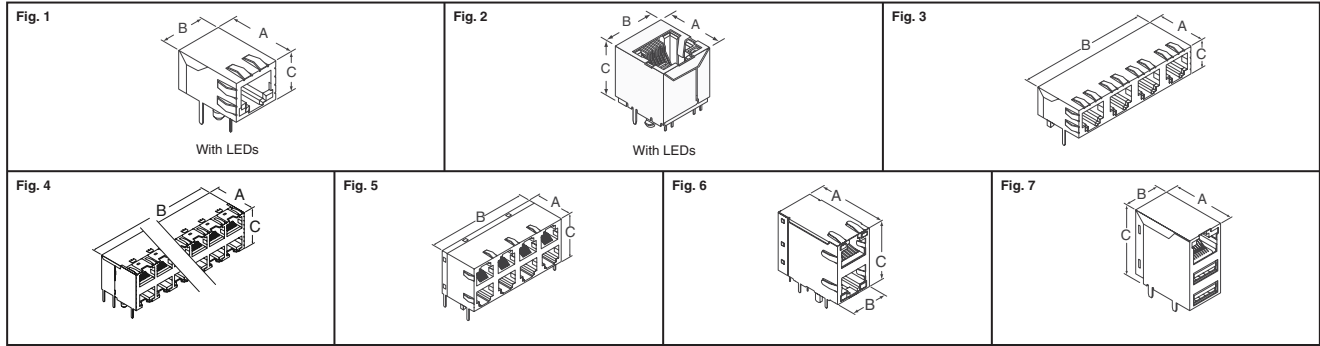


**bel** COMPONENTS FOR A CONNECTED PLANET Stewart Connector **Modular Connectors, Transformers, Plugs and Tools**

**MagJack® Integrated Connector Modules (ICM) — Ethernet, PoE (Power over Ethernet), Gigabit, USB Options**

RJ-45 connectors: Positions-Contacts per Port = 8-8



**A**

Fig.	SMD or THT(5)	No. of Rows X Ports(6)	Tab Latch Up/Down(1)	Shielding(3)	Auto MDIX	LEDs L-R(4,7)	Other Components(2)	Number of Cores(10)	Height Above PCB(8)	Dimensions - Inch (mm)			Digi-Key Part No.	Price Each			Bel/Stewart Part No.
										A	B	C		1	25	100	
<b>Common Mode Filter 10/100BASE-TX Jacks</b>																	
1	THT	1X1	Tab Down	EMI Tabs	—	—	2wCMC	2	14.07	.850 (21.59)	.635 (16.13)	.550 (13.97)	380-1115-ND†	6.56	6.15	5.64	SI-60063-F
<b>10/100BASE-TX</b>																	
1	SMD	1X1	Tab Down	EMI Tabs	No	—	2wCMC	5	12.75	.950 (24.13)	.661 (16.79)	.502 (12.75)	507-1457-1-ND‡	9.67	8.61	6.10	S811-1X1T-A4-F
	SMD	1X1	Tab Down	EMI Tabs	No	—	2wCMC	5	12.75	.950 (24.13)	.661 (16.79)	.502 (12.75)	507-1457-2-ND§	501.70/175			S811-1X1T-A4-F
	SMD	1X1	Tab Down	EMI Tabs	Yes	—	2wCMC	4	12.75	.950 (24.13)	.765 (19.43)	.502 (12.75)	507-1456-1-ND‡	8.70	7.74	5.48	S811-1X1T-06-F
	SMD	1X1	Tab Down	EMI Tabs	Yes	—	2wCMC	4	12.75	.950 (24.13)	.765 (19.43)	.502 (12.75)	507-1456-2-ND§	722.00/175			S811-1X1T-06-F
	THT Low Profile	1X1	Tab Up	EMI Tabs	Yes	G/O-Y	2wCMC	4	11.3	.950 (24.13)	.700 (17.78)	.445 (11.30)	507-1455-ND	6.30	5.91	5.42	L829-1X1T-91
	THT	1X1	Tab Up	None	Yes	G-G	2wCMC	4	14.07	.986 (25.04)	.599 (15.21)	.523 (13.28)	380-1104-ND†	3.69	3.46	3.18	SI-50196-F
	THT	1X1	Tab Up	Smooth	No	Y-G	2wCMC	5	13.97	1.000 (25.40)	.635 (16.13)	.550 (13.97)	380-1172-ND	7.66	7.19	6.59	SI-50163-F
	THT	1X1	Tab Up	EMI Tabs	No	Y-G	2wCMC	5	13.49	1.000 (25.40)	.645 (16.38)	.531 (13.49)	507-1423-ND	4.25	3.99	3.66	0817-1A1T-11-F
	THT	1X1	Tab Up	EMI Tabs	No	G/O-Y	2wCMC	5	13.49	1.030 (26.16)	.661 (16.79)	.531 (13.49)	507-1444-ND	4.36	4.09	3.75	0880-1X1T-03-F
	THT	1X1	Tab Up	EMI Tabs	Yes	—	2wCMC	4	13.49	1.005 (25.53)	.642 (16.31)	.531 (13.49)	507-1448-ND	3.95	3.70	3.40	0881-1X1T-06-F
	THT	1X1	Tab Up	EMI Tabs	Yes	G-G	2wCMC	4	13.49	1.030 (26.16)	.645 (16.38)	.531 (13.49)	507-1442-ND	4.20	3.94	3.62	0880-1G1T-06-F
	THT	1X1	Tab Up	EMI Tabs	Yes	G-G	2wCMC	4	14.07	1.000 (25.40)	.635 (16.13)	.550 (13.97)	380-1103-ND†	4.00	3.75	3.44	SI-50170-F
	THT	1X1	Tab Up	EMI Tabs	Yes	G-Y	2wCMC	4	14.07	1.000 (25.40)	.635 (16.13)	.550 (13.97)	380-1102-ND†	4.00	3.75	3.44	SI-50154-F
	THT	1X1	Tab Up	EMI Tabs	Yes	Y-G	2wCMC	4	13.49	1.030 (26.16)	.642 (16.31)	.531 (13.49)	507-1441-ND	4.20	3.94	3.62	0880-1D1T-06-F
	THT	1X1	Tab Up	EMI Tabs	Yes	G/O-Y	2wCMC	4	13.49	1.030 (26.16)	.642 (16.31)	.531 (13.49)	507-1443-ND	7.61	7.14	6.55	0880-1X1T-01-F
	THT	1X1	Tab Up	EMI Tabs	Yes	G/O-Y	2wCMC	4	13.49	1.030 (26.16)	.642 (16.31)	.531 (13.49)	507-1445-ND	4.20	3.94	3.62	0880-1X1T-06-F
	THT	1X1	Tab Up	EMI Tabs	Yes	G/O-Y	2wCMC (Ext. Temp.)	4	13.49	1.030 (26.16)	.642 (16.31)	.531 (13.49)	507-1446-ND	4.33	4.06	3.73	0880-1X1T-36-F
	THT	1X1	Tab Down	EMI Tabs	Yes	—	2wCMC	4	14.07	1.030 (26.16)	.635 (16.13)	.599 (15.21)	380-1105-ND†	3.74	3.51	3.22	SI-60002-F
	THT	1X1	Tab Down	EMI Tabs	Yes	—	2wCMC	4	14.29	.850 (21.59)	.635 (16.13)	.599 (15.21)	380-1170-ND†	3.76	3.54	3.24	SI-60136-F
	THT	1X1	Tab Down	EMI Tabs	Yes	G-G	2wCMC	4	14.07	.850 (21.59)	.635 (16.13)	.599 (15.21)	380-1139-ND†	4.08	3.82	3.51	SI-60001-F
THT	1X1	Tab Down	EMI Tabs	Yes	G-G	2wCMC	4	14.07	.850 (21.59)	.635 (16.13)	.599 (15.21)	380-1141-ND†	4.20	3.94	3.62	SI-60118-F	
THT	1X1	Tab Down	EMI Tabs	Yes	G-Y	2wCMC	4	14.07	.850 (21.59)	.635 (16.13)	.599 (15.21)	380-1140-ND†	4.08	3.82	3.51	SI-60005-F	
THT	1X1	Tab Down	EMI Tabs	Yes	G-Y	2wCMC	4	14.29	.850 (21.59)	.635 (16.13)	.599 (15.21)	380-1171-ND	8.22	7.72	7.07	SI-60110-F	
THT	1X1	Tab Down	EMI Tabs	Yes	Y-G	2wCMC	4	14.07	.850 (21.59)	.635 (16.13)	.599 (15.21)	380-1106-ND†	4.08	3.82	3.51	SI-60062-F	
THT	1X1	Tab Down	EMI Tabs	Yes	G/Y-G/Y	2wCMC	4	14.07	.850 (21.59)	.635 (16.13)	.550 (13.97)	380-1117-ND†	4.08	3.82	3.51	SI-60024-F	
2	THT	1X1	Vertical Jack	Smooth	Yes	Y-G	2wCMC	4	17.02	.670 (17.02)	.640 (16.26)	.670 (17.02)	380-1108-ND†	4.10	3.85	3.53	SI-46001-F
<b>10/100BASE-TX Multiport</b>																	
3	THT	1X4	Tab Up	EMI Tabs	Yes	G/O-Y	2wCMC (Ext. Temp.)	4	13.49	1.027 (26.09)	2.292 (58.22)	.531 (13.49)	507-1447-ND	15.22	14.28	13.09	0880-1X4T-36-F
<b>10/100BASE-TX Dual Row Multiport</b>																	
4	THT	2X4	Stack Jack	EMI Tabs	Yes	G/Y-G/Y	2wCMC	4	25.5	1.120 (30.99)	2.330 (59.18)	1.004 (25.50)	507-1419-ND	29.13	27.32	25.04	0810-2H4R-28-F
	THT	2X4	Stack Jack	EMI Tabs	Yes	—	2wCMC	4	25.5	1.130 (28.70)	2.330 (59.18)	1.004 (25.50)	380-1126-ND	25.37	23.79	21.81	0811-2X4R-28-F
5	THT	2X6	Stack Jack	EMI Tabs	Yes	—	2wCMC	4	25.5	1.130 (28.70)	3.430 (87.12)	1.004 (25.50)	380-1127-ND	23.78	19.75	17.25	0811-2X6R-28-F
	THT	2X8	Smooth	EMI Tabs	Yes	—	2wCMC	4	25.5	1.130 (28.70)	4.530 (115.06)	1.004 (25.50)	380-1128-ND	31.71	26.33	23.00	0811-2X8R-28-F
6	THT	2X1	Stack Jack	EMI Tabs	Yes	G-G	2wCMC	4	27.43	1.335 (33.91)	.679 (17.25)	1.080 (27.43)	380-1123-ND	6.92	6.49	5.95	0845-2G1T-H5
	THT	2X1	Stack Jack	EMI Tabs	Yes	Y-G	2wCMC	4	27.43	1.335 (33.91)	.679 (17.25)	1.080 (27.43)	380-1169-ND	6.92	6.49	5.95	0845-2D1T-H5
<b>Combo 10/100BASE-TX Dual Row 2.0 Type A Female Ports</b>																	
7	THT	1X1 w/1 USB	Tab Up	EMI Tabs	Yes	G/O-Y	2wCMC (Ext. Temp.)	4	21.08	1.155 (29.34)	.673 (17.09)	.830 (21.08)	507-1424-ND	6.87	6.44	5.91	0821-1X1T-36-F
	THT	1X1 w/2 USB	Smooth	Smooth	No	G-Y	2wCMC	5	31.42	1.090 (27.69)	.751 (19.07)	1.237 (31.42)	380-1091-ND	4.31	4.04	3.70	C893-1A1X1-EI
	THT	1X1 w/2 USB	Tab Up	EMI Tabs	No	G/O-Y	2wCMC	5	29.72	1.027 (26.09)	.673 (17.09)	1.170 (29.72)	507-1449-ND	4.51	4.23	3.88	08C2-1X1T-03
	THT	1X1 w/2 USB	Tab Up	EMI Tabs	Yes	G/O-Y	2wCMC	4	29.72	1.027 (26.09)	.673 (17.09)	1.170 (29.72)	507-1450-ND	4.59	4.31	3.95	08C2-1X1T-36
<b>Power Over Ethernet (PoE) 10/100BASE-TX</b>																	
1	THT	1X1	Tab Up	EMI Tabs	Yes	G-G/Y	2wCMC	6	13.61	1.290 (32.77)	.642 (16.31)	.536 (13.61)	507-1431-ND	5.41	5.07	4.65	0826-1L1T-57-F
	THT	1X1	Tab Up	EMI Tabs	Yes	G-G	3wCMC	4	13.97	1.000 (25.40)	.635 (16.13)	.550 (13.97)	380-1119-ND	4.95	4.64	4.26	SI-52003-F
	THT	1X1	Tab Down	EMI Tabs	Yes	—	2wCMC	6	13.61	1.200 (30.48)	.661 (16.79)	.536 (13.61)	507-1421-ND	4.82	4.52	4.15	0813-1X1T-57-F
<b>Power Over Ethernet (PoE) Gigabit 10/100/1000BASE-TX</b>																	
1	THT	1X1	Tab Up	EMI Tabs	Yes	G/O-Y	3wCMC	8	13.61	1.300 (33.02)	.661 (16.79)	.536 (13.61)	507-1433-ND	12.99	12.18	11.17	0826-1X1T-80-F
<b>Gigabit 10/100/1000BASE-TX</b>																	
1	THT(9) Mid Plane	1X1	Tab Down	EMI Tabs	Yes	G-G	3wCMC	8	9.55	1.026 (26.06)	.650 (16.52)	.448 (11.38)	380-1111-ND	11.51	10.79	9.89	L834-1G1T-S7
	THT Low Profile	1X1	Tab Up	EMI Tabs	Yes	G/O-Y	2wCMC	12	12.42	1.300 (33.02)	.642 (16.31)	.489 (12.42)	507-1451-ND	6.69	6.28	5.75	L826-1X1T-23-F
	THT Low Profile	1X1	Tab Up	EMI Tabs	Yes	G/O-Y	3wCMC	8	11.3	.950 (24.13)	.700 (17.78)	.445 (11.30)	380-1110-ND	5.59	5.24	4.81	L829-1J1T-43

† Note: Pins without electrical connections may be omitted. ‡ Cut Tape § Tape and Reel

- KEY (1) Tab Down = thumb lock facing down to PCB; Tab Up = thumb lock facing away from PCB
- (2) CMC (Common Mode Choke) with HV Cap within the connector; no extra PCB real estate required. 2wCMC = 2 wire Common Mode Choke, 3wCMC = 3 wire Common Mode Choke
- (3) EMI Tabs = On the outside face of the shield for connecting to a front panel
- (4) LEDs require external 5V source and 250Ω external resistors (\*R = 250Ω internal resistor built-in)
- (5) Package Mounting: THT = Through Hole, SMD = Surface Mount
- (6) Note: For example, 1X4 = 1 row/4 ports per row or a 2X4 = 2 rows/4 ports per row

- (7) LEDs: "—" = No LED; L-R = Left LED Color-Right LED Color : G = Green, Y = Yellow; Bicolor : G/O = Green/Orange, Y/G = Yellow/Green, G/Y = Green/Yellow
- (8) Height of connector above PCB, does NOT include shielding tabs
- (9) Ultra Low Profile, PCB cut out required
- (10) 4 Cores = 2 Transformers + 2 CMC's; 5 cores = 2 Transformers + 2 CMC's + Autotransformer; 6 cores = 2 Transformers + 2 CMC's + 2 Autotransformers; 8 Cores = 4 Transformers + 4 CMC's; 12 Cores = 4 Transformers + 4 CMC's + 4 Autotransformers
- (11) VOIP = Voice Over Internet Protocol

(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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