

Design Navigator – Board Signal Interconnects												
Centerline		0.6 mm / 0.024"	1 mm / 0.039"	1.27 mm / 0.050"			2 mm / 0.079"	2.54 mm / 0.100"				3.96 mm / 0.156"
Product Family		Micro-Stack	Small Centerline	System 50 [1.27 mm x 2.54 mm]	50/50 Grid	Micro-MaTch	AMPMODU 2 mm	MOD II, MOD IV (Board)	MOD IV, MOD V (Wire)	MTE	MT	MOD I
Circuits		80	4 - 100	4 - 50 (SR) 8 - 100 (DR)	10 - 100 (10 pos increments)	4 - 20 (a few to 24)	2 - 25 (SR) 4 - 80 (DR)	1 - 100 (SR) 2 - 80 (DR)	1 - 36 (SR) 2 - 72 (DR)	2 - 25	6 - 64	2 - 25
# of Rows		2	2	1, 2	2	2 (staggered)	1, 2	1, 2, 3	1, 2	1 (2 rows possible with coupling shroud)	2	1
Max Current Rating (A)		0.5	1.0	3.6	3.9	1.5	2.0	3.0	4.3	3.0	3.0	5.0
Operating Temperature Range (°C)		-55 to +85	-55 to +125	-65 to +105	-65 to +105	-40 to +105	-40 to +125 (Gold Plating) -40 to +105 (Tin Plating)	-65 to +125	-65 to +105	-65 to +105	-65 to +105	-65 to +105 (Gold Plating) -65 to +60 (Tin Plating)
Application	Board-to-Board	●	●	●	●	●	●	●	—	—	—	●
	Wire-to-Board	—	—	●	●	●	●	—	●	●	●	●
	Wire-to-Wire	—	—	—	—	—	—	—	—	●	—	—
Wire Termination	Crimp	—	—	—	—	28 - 20	30 - 24	—	32 - 20	32 - 20	32 - 20	26 - 17
	IDC	—	—	30 - 32	28 - 20	28	30 - 24	—	—	30 - 22	30 - 20	—
IDC Type		—	—	FFC & ZIF Ribbon cable (DR)	Ribbon cable	Ribbon cable	Discrete Wire	—	—	Discrete wire	Discrete wire	—
Latching Option		—	—	Positive latch	Positive latch	Audible latch	Detent latch	—	Detent latches Locking clip	Positive latch	Positive latch	Locking clip
PCB Mount Orientation	Vertical	●	●	●	●	●	●	●	—	●	●	●
	Right Angle	—	—	●	●	●	●	●	—	●	●	●
Board Termination	TH	—	—	●	●	●	●	●	—	●	—	●
	SMT	●	●	● DR only	●	●	●	●	—	●	—	—
	Press Fit	—	—	—	—	—	—	●	—	—	—	—
Plating		12μ" Gold	30μ" Gold Gold flash	30μ" Gold Gold flash	30μ" Gold	Tin	30μ" Gold 15μ" Gold Gold flash Tin	30μ" Gold 15μ" Gold Tin	50μ" Gold 30μ" Gold 15μ" Gold Tin	30μ" Gold 15μ" Gold Tin	30μ" Gold	30μ" Gold 15μ" Gold Tin
Stack Height (mm)		16.75 - 30.0	4.6	11.43 - 13.08	6.35 - 9.91	On-Board: 5.8 - 8.2 In-Board: 4.2 - 5.2 (1.6 mm PCB)	Standard: 6.0 - 6.6 Stacked: 16.5 - 31.1	MOD II: 9.02 - 12.29 MOD IV: 10.92 - 14.20	—	—	—	10.46 - 11.13
Shunts		—	—	—	—	—	●	●	—	—	—	●