Amphenol Product	Industry Standards	Signal Type: / Comment	10GBASE-XR USB 3.1 Infiniband QDR 100 FC* 10GBASE-T	OIF-CEI-11G	SAS 3.0	Infiniband FDR	PCIe G4 NVMe 16G FC*	USB 3.2	SAS 4.0	OIF-CEI-25G 25GBASE-XR Infiniband EDR OpenCAPI 25G	OIF-CEI-28G	PCIe G5 32G FC* 64G FC PAM4* OpenCAPI 32G	USB 4.0	SAS 5.0 PAM4	50GBASE-XR	OIF-CEI-56G-PAM4 128G FC PAM4*	OIF-CEI-56G-NRZ	PCIe G6 PAM4	100GBASE-XR	OIF-CEI-112G-PAM4	PCIe G7 PAM4	Interconnect Type: BtB	Mezzanine	Edge Card Socket	VXB	Backplane	Orthogonal	Cabled Backplane	IO Connector	IO Cable - Cu	IO Cable - AOC	Transceivers	OverPass	Storage
		Max Data Rate per channel:	10Gbps	11Gbps	12Gbps	14Gbps	16Gbps	20Gbps	24Gbps	25Gbps	28Gbps	32Gbps	40Gbps	48Gbps	56Gbps	58Gbps	58Gbps	64Gbps	112Gbps	116Gpbs	128Gbps													
Paladin®	N/A																						X		X	X	X					X	
Paladin® Plus	Mates w/ Paladin	Reduced Xtalk																							X	X							
Paladin® HD	N/A	High Density																							X								
ExaMAX®	N/A																								X	X	X					X	
ExaMAX+®	Mates with ExaMAX	Improved footprint																							X								
ExaMAX2®	Mates with ExaMAX	Improved interfaces																							X	X	X					X	
Elite®	N/A	Supports 2 layer routing (8-Pair)																							X								
XCede®	N/A																								X		X						
XCede® Plus																									X		X						
X2	Mates w/ XCede																								X		X						
XCede® HD	N/A	Industry leading density																							X								
XCede® HD Plus	Mates w/ XCede HD	Industry leading density																							X								
XCede® HD2																									X								
M-Series™ 56	N/A	highest data rate: 4mm stack															4mm stack						X										
M-Series™ 112	N/A	coming soon																					X										
cLGA®	N/A	compression contacts																					X										
Lynx™	N/A	narrow footprint																					X										
Lynx™ QD	N/A	narrow footprint - diff pair																				X	X										
Chameleon®	N/A	fast time to market																					X										
InfinX®	N/A	stack heights: 10-42mm									10mm stack												X										
MEG-Array® R+	N/A	4-5mm stack heights																					X										
MEG-Array®	N/A	highest data rate: 4mm stack										4mm stack											X										
micro-LinkOVER™																							X									X	
XFP	XFP	less space + cost optimized																										X		X			
CXP	CXP	12 channels																										X	X	X			
Mini-SAS HD	SAS				12G SAS3.0				24G SAS4.0																			X	X	X			
SFP+	SFP						ExpressPort				UltraPort					ExtremePort												X	X	X	X		
DSFP	SFP	backward mates w/ SFP/SFP+																										X					
QSFP+	QSFP						ExpressPort				UltraPort					ExtremePort												X	X	X	X		
QSFP DD	mates w/ QSFP+	Double density + backwards plug compatibility																	ExtremePort									X	X	X		X	
OSFP	OSFP	Optimized heat dissipative																										X	X			X	
CFP	CFP	CFP2/4/8 available																										X			X		
DensiLink®																												X				X	
M.2 Gen 5	M.2	67 contacts on 0.50mm pitch																						X									
M.2 Gen 3 and Gen 4	M.2	67 contacts on 0.50mm pitch																						X									
SAS/PCIe 5.0 (U.2 & U.3)	SFF8680, SFF8639, SFF8630	Wide range of vertical and right angle configurations																															X
SAS/PCIe 4.0 (U.2&U.3)	SFF8680, SFF8639, SFF8630	Wide range of vertical and right angle configurations																															X
Micro-TCA Card Edge Connectors	MicroTCA	170 contacts on a 0.75mm pitch																						X									X
Micro Cool Edge 0.50mm	NF1/NGSFF	vertical, right angle, orthogonal																						X									
Mini Cool Edge 0.60mm	SFF-TA-1002, Gen Z, EDSFF	right angle, mezzanine, coplanar																						X									
Slim Cool Edge	N/A	right angle, mezzanine, coplanar																						X									
Cool Edge 0.80mm	N/A	mezzanine, coplanar, midplane/backplane																						X									
Cool Edge PCIe®	PCIe	1mm pitch size																						X									
Double Density Cool Edge	N/A	0.4mm pitch size of equivalent																						X		X		X	X				
PCIe® Gen 4 and Gen 5	PCIe	Wide range of vertical and right angle configurations																						X									
Cool Stack 0.80mm	N/A	Hybrid Power and Signal																					X										
SlimSAS	T10/Serial Attached SCSI (SAS-4)																											X				X	
Mini Cool Edge IO	SFF-TA-1016, PAM4 56G, N	0.60mm pitch, vertical and right angle configurations																										X				X	
ExtremePort™ Flash	PAM4 56G, PCIe, NVMe, SF	0.60mm pitch, vertical and right angle configurations																										X				X	
ExtremePort™ Swift	PAM4 56G, NRZ 32G, PCIe,	Pitch 0.60 mm, both V/T & R/A low profile form factors																										X				X	
OCuLink	N/A																											X				X	
ExtremePort™ Z-Link	SFF-TA-1002, PAM4 56G, N	0.60mm pitch, vertical and right angle configurations																										X				X	
SlimSAS™ Low Profile Connectors - U10 Series	Intel UPI 1.0, T10, SAS 4.0, F	0.60mm pitch, 4x, 6x, 8x, 12x configurations																										X				X	
USB 4 Gen 3 Type C	USB 4 Gen 3																											X					
USB Type C Waterproof	USB	IPX4 to IPX8 rating																										X					
RJMG3XX Series	IEEE 802.3an																											X					
BergStak HS 0.80mm	SAS 4.0 and PCIe® 5.0	120 pos (40 to 140 pos upon request), Stack heights of 5mm and 12mm																					X										
BergStak HS 0.50mm	PCIe® 3.0 & 4.0 industry sta	50 positions (more pos upon request), stack height of 12mm																					X										
BergStak® Secure Connector	N/A	One-time-use and Multi-times-use solution with EMI Shielding and BMI feature																				X											
Minitek MicroSpeed	N/A	support all PCB orientation, EMI protection, 26 to 56 pos, stack heights 5mm to 20mm																				X	X										
BergStak+™ 0.80mm	PCIe® 4.0	80 and 120 pos, stack heights 5, 8, 12, 16, 20mm																					X										
BergStak® Lite 0.80mm	N/A	40 to 100 pos (20 pos increments), stack heights 5mm to 20mm (1mm increments)																				X											
BergStak®0.80mm	N/A	40 to 200 pos (20 pos increments), stack heights 5mm to 20mm (1mm increments)																				X											
BergStak® Shielded	PCIe Gen 1 to Gen3 and 10	EMI protection, 64 pos, stack height 9mm to 20mm (1mm increments)																				X											
BergStak® FX10	N/A	144 pos (more pos upon request), stack height 4.00, 4.30 and 6.00mm.																				X											
Millipacs® High Speed Right Angle Receptacle																						X				X							