



AMC Port mapping guidance per PICMG® AMC.0 R2.0 Dec 28,2006

AMC.2 1000BASE - BX
AMC.3 SATA/SAS
Existing S-RIO Ports per AMC.4 (FAT PIPE; AMC.1 x 4 PCIe; AMC.4 x4 SRIO; AMC.2 10G Base-BX4)
Extended Fat Pipe; Disputed Ports Between AMC.4 SRIO and AMC.2 10G Base-BX4
Extended Options Scope Ports per V 1.0

Socket	Pin	Function	Definition	Mating	AMC-SMA Ultra (Schematic References)			
					9000	15001 (Extended)	15000 (Basic+)	Both
AMC Socket	1	GND	GND	First				
AMC Socket	2	+12V_AMC	PWR	First				
AMC Socket	3	AMC_PSEN	PS1#	Last	U5 - 10			H2-1
AMC Socket	4	+3v3_AMC	MP	Second				
AMC Socket	5	GA0	GA0	Second	P1 - 2			H4-2
AMC Socket	6	NC	RSVD6	Second				
AMC Socket	7	GND	GND	First				
AMC Socket	8	NC	RSVD8	Second				
AMC Socket	9	+12V_AMC	PWR	First				

AMC.2 1000BASE - BX

AMC.3 SATA/SAS

Socket	Pin	Function	Definition	Mating	AMC-SMA Ultra (Schematic References)			
					9000	15001 (Extended)	15000 (Basic+)	Both
AMC Socket	10	GND	GND	First				
AMC Socket	11	TX0+	TX0+	Third	J04 -1			P07
AMC Socket	12	TX0-	TX0-	Third	J13 -1			P11
AMC Socket	13	GND	GND	First				
AMC Socket	14	RX0+	RX0+	Third	J12 -1			P15
AMC Socket	15	RX0-	RX0-	Third	J03 -1			P19
AMC Socket	16	GND	GND	First				
AMC Socket	17	GA1	GA1	Second	P2 - 2			H4-3
AMC Socket	18	+12V_AMC	PWR	First				
AMC Socket	19	GND	GND	First				
AMC Socket	20	TX1+	TX1+	Third	J16 - 1			P08
AMC Socket	21	TX1-	TX1-	Third	J09 - 1			P12
AMC Socket	22	GND	GND	First				
AMC Socket	23	RX1+	RX1+	Third	J08 - 1			P16
AMC Socket	24	RX1-	RX1-	Third	J07 -1			P20
AMC Socket	25	GND	GND	First				
AMC Socket	26	GA2	GA2	Second	P3 - 2			H4-4
AMC Socket	27	+12V_AMC	PWR	First				
AMC Socket	28	GND	GND	First				
AMC Socket	29	TX2+	TX2+	Third	J28 - 1			P09
AMC Socket	30	TX2-	TX2-	Third	J27 - 1			P13
AMC Socket	31	GND	GND	First				
AMC Socket	32	RX2+	RX2+	Third	J26 -1			P17
AMC Socket	33	RX2-	RX2-	Third	J25 -1			P21
AMC Socket	34	GND	GND	First				
AMC Socket	35	TX3+	TX3+	Third	J36 - 1			P10
AMC Socket	36	TX3-	TX3-	Third	J35 - 1			P14
AMC Socket	37	GND	GND	First				
AMC Socket	38	RX3+	RX3+	Third	J34 - 1			P18
AMC Socket	39	RX3-	RX3-	Third	J33 - 1			P22
AMC Socket	40	GND	GND	First				
AMC Socket	41	AMC_EN	ENABLE#	Second	U2 - 4			LED3
AMC Socket	42	+12V_AMC	PWR	First				

Existing S-RIO Ports per AMC.4 (FAT PIPE; AMC.1 x 4 PCIe; AMC.4 x4 SRIO; AMC.2 10G Base-BX4)

Socket	Pin	Function	Definition	Mating	AMC-SMA Ultra (Schematic References)			
					9000	15001 (Extended)	15000 (Basic+)	Both
AMC Socket	43	GND	GND	First				
AMC Socket	44	TX4+	TX4+	Third	J44 -1		P23	
AMC Socket	45	TX4-	TX4-	Third	J43 -1		P27	
AMC Socket	46	GND	GND	First				
AMC Socket	47	RX4+	RX4+	Third	J42 -1		P31	
AMC Socket	48	RX4-	RX4-	Third	J41 -1		P34	
AMC Socket	49	GND	GND	First				
AMC Socket	50	TX5+	TX5+	Third	J52 -1		P24	
AMC Socket	51	TX5-	TX5-	Third	J51 -1		P28	
AMC Socket	52	GND	GND	First				
AMC Socket	53	RX5+	RX5+	Third	J50 -1		P32	
AMC Socket	54	RX5-	RX5-	Third	J49 -1		P36	
AMC Socket	55	GND	GND	First				
AMC Socket	56	SCL	SCL_L	Second	P6 - 1			H3-3
AMC Socket	57	+12V_AMC	PWR	First				
AMC Socket	58	GND	GND	First				
AMC Socket	59	TX6+	TX6+	Third	J64 -1		P25	
AMC Socket	60	TX6-	TX6-	Third	J63 -1		P29	
AMC Socket	61	GND	GND	First				
AMC Socket	62	RX6+	RX6+	Third	J62 -1		P33	
AMC Socket	63	RX6-	RX6-	Third	J61 -1		P37	
AMC Socket	64	GND	GND	First				
AMC Socket	65	TX7+	TX7+	Third	J72 -1		P26	
AMC Socket	66	TX7-	TX7-	Third	J71 -1		P30	
AMC Socket	67	GND	GND	First				
AMC Socket	68	RX7+	RX7+	Third	J70 -1		P34	
AMC Socket	69	RX7-	RX7-	Third	J69 -1		P38	
AMC Socket	70	GND	GND	First				
AMC Socket	71	SDA	SDA_L	Second	P6 - 2			H3-2
AMC Socket	72	+12V_AMC	PWR	First				
AMC Socket	73	GND	GND	First				
AMC Socket	74	TCLKA+	TCLKA+	Third	J80 -1			P01
AMC Socket	75	TCLKA-	TCLKA-	Third	J79 - 1			P04
AMC Socket	76	GND	GND	First				
AMC Socket	77	TCLKB+	TCLKB+	Third	J78 - 1			P02
AMC Socket	78	TCLKB-	TCLKB-	Third	J77 - 1			P05
AMC Socket	79	GND	GND	First				
AMC Socket	80	FCLKA+	FCLKA+	Third	J86 - 1			P03
AMC Socket	81	FCLKA-	FCLKA-	Third	J85 -1			P06
AMC Socket	82	GND	GND	First				
AMC Socket	83	GND	PS0#	Last				
AMC Socket	84	+12V_AMC	PWR	First				
AMC Socket	85	GND	GND	First				

Extended Fat Pipe; Disputed Ports Between AMC.4 SRIO and AMC.2 10G Base-BX4

Socket	Pin	Function	Definition	Mating	AMC-SMA Ultra (Schematic References)			
					9000	15001 (Extended)	15000 (Basic+)	Both
AMC Socket	86	GND	GND	First				
AMC Socket	87	RX8-	RX8-	Third	J90		P51	
AMC Socket	88	RX8+	RX8+	Third	J89		P47	
AMC Socket	89	GND	GND	First				
AMC Socket	90	TX8-	TX8-	Third	J88		P43	
AMC Socket	91	TX8+	TX8+	Third	J87		P39	
AMC Socket	92	GND	GND	First				
AMC Socket	93	RX9-	RX9-	Third	J84		P52	
AMC Socket	94	RX9+	RX9+	Third	J83		P48	
AMC Socket	95	GND	GND	First				
AMC Socket	96	TX9-	TX9-	Third	J82		P44	
AMC Socket	97	TX9+	TX9+	Third	J81		P40	
AMC Socket	98	GND	GND	First				
AMC Socket	99	RX10-	RX10-	Third	J76		P53	
AMC Socket	100	RX10+	RX10+	Third	J75		P49	
AMC Socket	101	GND	GND	First				
AMC Socket	102	TX10-	TX10-	Third	J74		P45	
AMC Socket	103	TX10+	TX10+	Third	J73		P41	
AMC Socket	104	GND	GND	First				
AMC Socket	105	RX11-	RX11-	Third	J68		P54	
AMC Socket	106	RX11+	RX11+	Third	J67		P50	
AMC Socket	107	GND	GND	First				
AMC Socket	108	TX11-	TX11-	Third	J66		P46	
AMC Socket	109	TX11+	TX11+	Third	J65		P42	
AMC Socket	110	GND	GND	First				
AMC Socket	111	RX12-	RX12-	Third	J60	P38		
AMC Socket	112	RX12+	RX12+	Third	J59	P34		
AMC Socket	113	GND	GND	First				
AMC Socket	114	TX12-	TX12-	Third	J58	P30		
AMC Socket	115	TX12+	TX12+	Third	J57	P26		
AMC Socket	116	GND	GND	First				
AMC Socket	117	RX13-	RX13-	Third	J56	P37		
AMC Socket	118	RX13+	RX13+	Third	J55	P33		
AMC Socket	119	GND	GND	First				
AMC Socket	120	TX13-	TX13-	Third	J54	P29		
AMC Socket	121	TX13+	TX13+	Third	J53	P25		
AMC Socket	122	GND	GND	First				
AMC Socket	123	RX14-	RX14-	Third	J48	P36		
AMC Socket	124	RX14+	RX14+	Third	J47	P32		
AMC Socket	125	GND	GND	First				
AMC Socket	126	TX14-	TX14-	Third	J46	P28		
AMC Socket	127	TX14+	TX14+	Third	J45	P24		
AMC Socket	128	GND	GND	First				
AMC Socket	129	RX15-	RX15-	Third	J40	P35		
AMC Socket	130	RX15+	RX15+	Third	J39	P31		
AMC Socket	131	GND	GND	First				
AMC Socket	132	TX15-	TX15-	Third	J38	P27		
AMC Socket	133	TX15+	TX15+	Third	J37	P23		

Extended Options Scope Ports per V 1.0

Socket	Pin	Function	Definition	Mating	AMC-SMA Ultra (Schematic References)			
					9000	15001 (Extended)	15000 (Basic+)	Both
AMC Socket	134	GND	GND	First				
AMC Socket	135	RX16-	RX16-	Third	J32			
AMC Socket	136	RX16+	RX16+	Third	J31			
AMC Socket	137	GND	GND	First				
AMC Socket	138	TX16-	TX16-	Port	J30			
AMC Socket	139	TX16+	TX16+	Third	J29			
AMC Socket	140	GND	GND	First				
AMC Socket	141	RX17-	RX17-	Port	J24	P51		
AMC Socket	142	RX17+	RX17+	Third	J23	P47		
AMC Socket	143	GND	GND	First				
AMC Socket	144	TX17-	TX17-	Third	J22	P43		
AMC Socket	145	TX17+	TX17+	Third	J21	P39		
AMC Socket	146	GND	GND	First				
AMC Socket	147	RX18-	RX18-	Third	J20	P52		
AMC Socket	148	RX18+	RX18+	Third	J19	P48		
AMC Socket	149	GND	GND	First				
AMC Socket	150	TX18-	TX18-	Third	J18	P44		
AMC Socket	151	TX18+	TX18+	Third	J17	P40		
AMC Socket	152	GND	GND	First				
AMC Socket	153	RX19-	RX19-	Third	J06	P53		
AMC Socket	154	RX19+	RX19+	Third	J15	P49		
AMC Socket	155	GND	GND	First				
AMC Socket	156	TX19-	TX19-	Third	J14	P45		
AMC Socket	157	TX19+	TX19+	Third	J05	P41		
AMC Socket	158	GND	GND	First				
AMC Socket	159	RX20-	RX20-	Third	J02	P54		
AMC Socket	160	RX20+	RX20+	Third	J01	P50		
AMC Socket	161	GND	GND	First				
AMC Socket	162	TX20-	TX20-	Third	J11	P46		
AMC Socket	163	TX20+	TX20+	Third	J10	P42		
AMC Socket	164	GND	GND	First				
AMC Socket	165	TCK	TCK	Second	P5 - 6			H6-6
AMC Socket	166	TMS	TMS	Second	P5 - 5			H6-5
AMC Socket	167	TRST#	TRST#	Second	P5 - 4			H6-4
AMC Socket	168	TDO	TDO	Second	P5 - 3			H6-3
AMC Socket	169	TDI	TDI	Second	P5 - 2			H6-2
AMC Socket	170	GND	GND	First				
AMC Socket	M1	NC	M1					
AMC Socket	M2	NC	M2					
AMC Socket	M3	NC	M3					
AMC Socket	M4	NC	M4					
AMC Socket	M5	NC	M5					
AMC Socket	M6	NC	M6					
AMC Socket	M7	NC	M7					
AMC Socket	M8	NC	M8					