JAGUAR JSM
JTAG SWITCH MODULE

MicroBlade Jaguar JTAG Switch Module (JSM) accelerates the development, manufacturing, and operation of a MicroTCA system. Using a JTAG interface to communicate with AdvancedMC (AMC) modules, system designers can test the modules and interfaces, manufacturing engineers can program appropriate applications before deployment, and field operators can perform remote software upgrade with minimal downtime. Non-hot swappable Jaguar JSM provides a front-panel USB port for additional diagnostic capability.

Features at a glance:

- Two form factors: Jaguar Mini (2HP) and Jaguar Compact (3HP)
- Non hot swappable
- Support up to 20 devices
- GUI interface to select target device
- 4 – 12MB storage for test vectors or users' firmware
- Front panel USB port
- Flexible operations: via backplane mounted JTAG connector, front panel 10-pin JTAG connector, or MCH per MicroTCA R1.0 specification

MicroBlade™
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OPTIONS

Form Factor

> MINI - Non-hot-swappable 2HP

> COMPACT - Non hot-swappable 3HP (available 4Q 2008)

Operation Options

> S Faceplate 10-pin JTAG Connector, USB Download, and via MCH

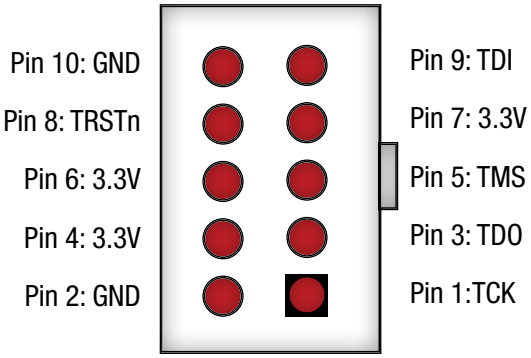
> B Backplane 10-pin JTAG Connector, USB Download, and via MCH

SPECIFICATIONS

> Power Consumption less than 65mA at 3.3V

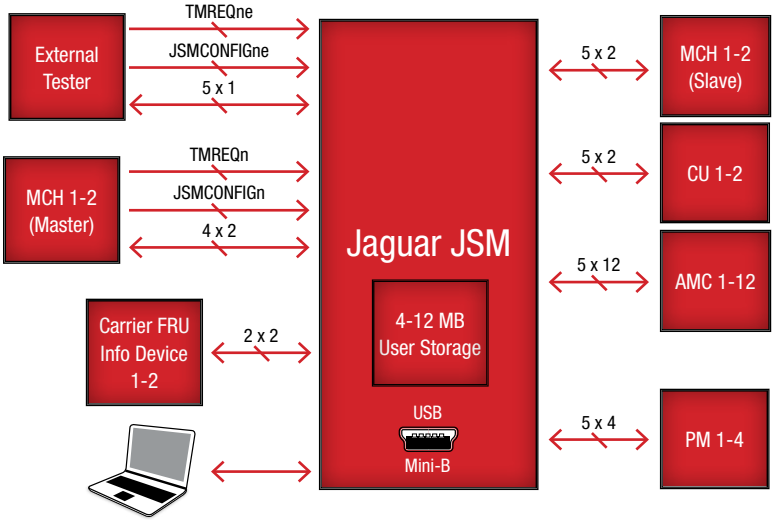
> MINI (2HP) Form Factor: 181.5mm (L) x 73.5mm (W) x 10.6mm (T)

> Faceplate 10-pin JTAG Connector Pin Assignment:



COMPLIANCE

> PICMG Micro TCA.0 R1.0



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PIN ASSIGNMENT

PIN #	SIGNAL NAME	SIGNAL NAME	PIN #
85	GND	PS1n	86
84	CUTCK2	JSMCONFIGne	87
83	CUTRSTn2	CUTMS2	88
82	CUTDI2	CUTDO2	89
81	GND	GND	90
80	PMTCK4	PMTMS4	91
79	PMTRSTn4	PMTDO4	92
78	PMTDI4	PMTCK3	93
77	PMTMS3	PMTRSTn3	94
76	PMTDO3	PMTDI3	95
75	GND	GND	96
74	TCK2	TMREQn2	97
73	TRSTn2_JSMCONFIGn2	TMS2	98
72	TDI2	TDO2	99
71	GND	GND	100
70	STCK12	STMS12	101
69	STRSTn12	STDO12	102
68	STDI12	STCK11	103
67	STMS11	STRSTn11	104
66	STDO11	STDI11	105
65	GND	GND	106
64	STCK10	STMS10	107
63	STRSTn10	STDO10	108
62	STDI10	STCK9	109
61	STMS9	STRSTn9	110
60	STDO9	STDI9	111
59	GND	GND	112
58	STCK8	STMS8	113
57	STRSTn8	STDO8	114
56	STDI8	STCK7	115
55	STMS7	STRSTn7	116
54	STDO7	STDI7	117
53	GND	GND	118
52	TCKe	TDOe	119
51	TRSTne	TMSe	120
50	TDIe	TMREQne	121
49	GND	GND	122
48	GA2	JSM_PWR	123
47	GA1	GA0	124
46	GND	GND	125
45	IPMB0_SDA_B	IPMB0_SDA_A	126
44	IPMB0_SCL_B	IPMB0_SCL_A	127
43	GND	GND	128
42			129
41	KEY		130
40			131
39	GND	GND	132
38	SPARE	SPARE	133
37	SPARE	SPARE	134
36	GND	GND	135
35	I2C_SCL2	I2C_SCL1	136
34	I2C_SDA2	I2C_SDA1	137
33	GND	GND	138
32	STCK6	STMS6	139
31	STRSTn6	STDO6	140
30	STDI6	STCK5	141
29	STMS5	STRSTn5	142
28	STDO5	STDI5	143
27	GND	GND	144
26	STCK4	STMS4	145
25	STRSTn4	STDO4	146
24	STDI4	STCK3	147
23	STMS3	STRSTn3	148
22	STDO3	STDI3	149
21	GND	GND	150
20	STCK2	STMS2	151
19	STRSTn2	STDO2	152
18	STDI2	STCK1	153
17	STMS1	STRSTn1	154
16	STDO1	STDI1	155
15	GND	GND	156
14	TCK1	TMS1	157
13	TRSTn1_JSMCONFIGn1	TDO1	158
12	TDI1	TMREQn1	159
11	GND	GND	160
10	PMTCK2	PMTMS2	161
9	PMTRSTn2	PMTDO2	162
8	PMTDI2	PMTCK1	163
7	PMTMS1	PMTRSTn1	164
6	PMTDO1	PMTDI1	165
5	GND	GND	166
4	CUTMS1	CUTCK1	167
3	CUTDO1	CUTRSTn1	168
2	SPARE	CUTDI1	169
1	PSOn	GND	170