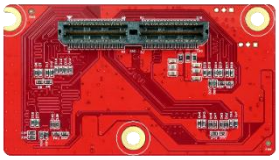


EB120-1S4M

SAMTEC 120-pin x1 to MIPI CSI-2 22-pin x4 Capture Card

HIGHLIGHT FEATURES

- Camera Interface : MIPI CSI-2 22-pin x4
- Host Interface : SAMTEC 120-pin x1

SPECIFICATIONS

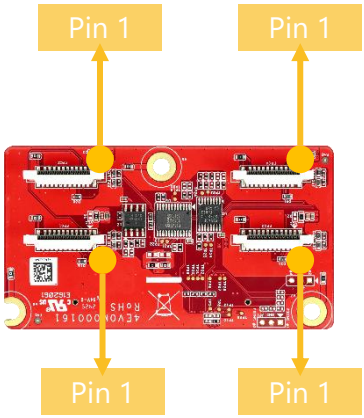
Model Name	EB120-1S4M
Module Type	SAMTEC 120-pin x1 to MIPI CSI-2 22-pin x4 Capture Card
Camera I/F	MIPI CSI-2 22-pin
Camera I/F Port	4
Host I/F	SAMTEC 120-pin
Host I/F Port	1
Chipset	N/A
Power Source	N/A
Power Consumption (Avg.)	N/A
Operation Temperature	-20˚C ~ 70˚C
Dimension (W x L x H/mm)	68.65 x 41.00 x 12.47
Warranty	2 Years

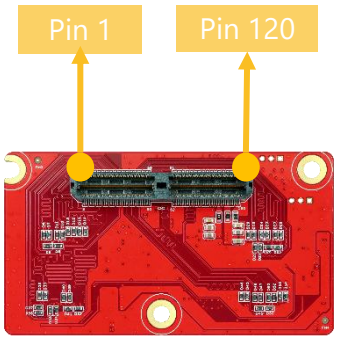
ORDER INFO.

P/N	Description
EB120-1S4M-11	SAMTEC 120-pin x1 to MIPI CSI-2 22-pin x4 Capture Card Dimension : 68.65 x 41 mm

CONNECTOR PIN ASSIGNMENT

MIPI Connector		
Pin #	Pin Name	Description
1	CAM_3V3	+3.3V
2	CAM_SDA	I2C Data (3.3V)
3	CAM_SCL	I2C Clock (3.3V)
4	GND	Ground
5	CAM_MCLK	Camera Master Clock
6	CAM_PWDN	Camera Power-down (3.3V)
7	GND	Ground
8	CAM_D3_P	CSI Data 3
9	CAM_D3_N	CSI Data 3
10	GND	Ground
11	CAM_D2_P	CSI Data 2
12	CAM_D2_N	CSI Data 2
13	GND	Ground
14	CAM_CK_P	CSI Clock
15	CAM_CK_N	CSI Clock
16	GND	Ground
17	CAM_D1_P	CSI Data 1
18	CAM_D1_N	CSI Data 1
19	GND	Ground
20	CAM_D0_P	CSI Data 0
21	CAM_D0_N	CSI Data 0
22	GND	Ground





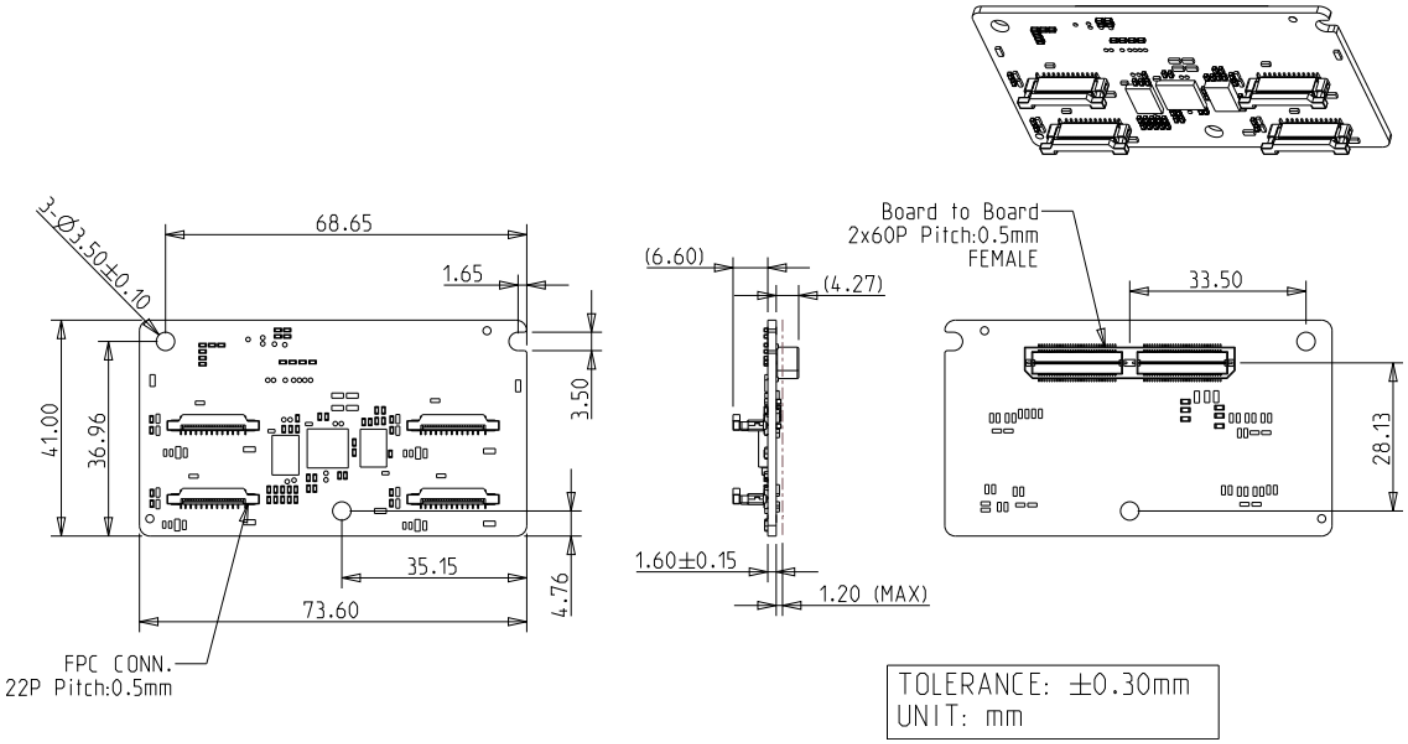
Pin #	Pin Name	Pin #	Pin Name
1	CSI0_D0_P	2	CSI1_D0_P
3	CSI0_D0_N	4	CSI1_D0_N
5	GND	6	GND
7	CSI0_CLK_P	8	NC
9	CSI0_CLK_N	10	NC
11	GND	12	GND
13	CSI0_D1_P	14	CSI1_D1_P
15	CSI0_D1_N	16	CSI1_D1_N
17	GND	18	GND
19	CSI2_D0_P	20	CSI3_D0_P
21	CSI2_D0_N	22	CSI3_D0_N

CONNECTOR PIN ASSIGNMENT

Pin #	Pin Name
23	GND
25	CSI2_CLK_P
27	CSI2_CLK_N
29	GND
31	CSI2_D1_P
33	CSI2_D1_N
35	GND
37	CSI4_D0_P
39	CSI4_D0_N
41	GND
43	CSI4_CLK_P
45	CSI4_CLK_N
47	GND
49	CSI4_D1_P
51	CSI4_D1_N
53	GND
55	NC
57	NC
59	CSI5_D0_P
61	CSI5_D0_N
63	GND
65	NC
67	NC
69	GND
71	CSI5_D1_P
73	CSI5_D1_N
23	I2C3_CLK
21	I2C3_DAT
79	GND
81	NC
83	NC
85	NC
87	I2C2_CLK
89	I2C2_DAT
91	NC
93	NC
95	RESET#
97	NC
99	GND
101	NC
103	NC
105	NC
107	NC
109	NC
111	NC
113	NC
115	GND
117	NC
119	NC

Pin #	Pin Name
24	GND
26	NC
28	NC
30	GND
32	CSI3_D1_P
34	CSI3_D1_N
36	GND
38	CSI6_D0_P
40	CSI6_D0_N
42	GND
44	CSI6_CLK_P
46	CSI6_CLK_N
48	GND
50	CSI6_D1_P
52	CSI6_D1_N
54	GND
56	NC
58	NC
60	CSI7_D0_P
62	CSI7_D0_N
64	GND
66	NC
68	NC
70	GND
72	CSI7_D1_P
74	CSI7_D1_N
76	NC
78	NC
80	GND
82	NC
84	NC
86	NC
88	MCLK03
90	NC
90	NC
92	NC
94	MCLK04
96	NC
98	NC
100	GND
102	VDD_1.8V
104	NC
106	NC
108	GND
110	VDD_3.3V
112	NC
114	NC
116	GND
118	GND
120	VDD_3.3V

MECHANICAL DRAWING



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