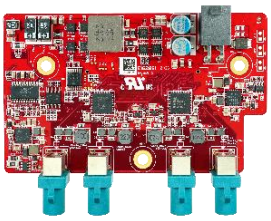
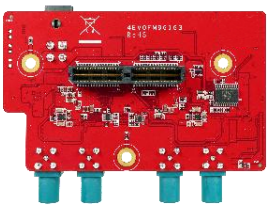




EB120-1S4F

SAMTEC 120-pin x1 to GMSL2 FAKRA Z x4 Capture Card

HIGHLIGHT FEATURES

- Camera Interface : GMSL2™ FAKRA Z x4
- Host Interface : SAMTEC 120-pin x1
- Deserializer Chipset (Onboard) : MAXIM MAX9296

SPECIFICATIONS

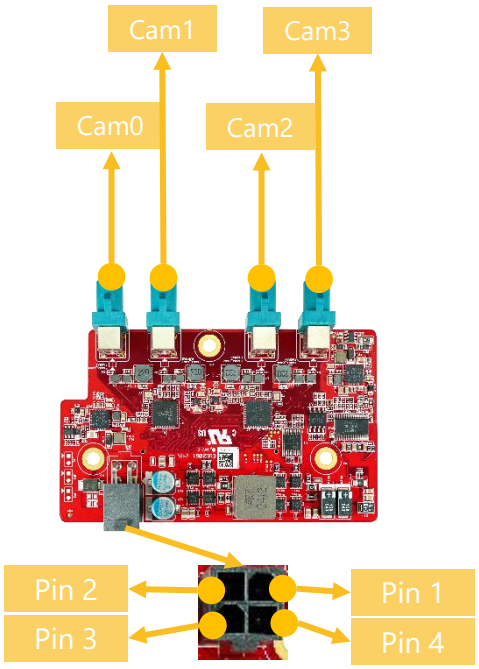
Model Name	EB120-1S4F
Module Type	SAMTEC 120-pin x1 to GMSL2 FAKRA Z x4 Capture Card
Camera I/F	GMSL2
Camera I/F Port	4
Host I/F	SAMTEC 120-pin
Host I/F Port	1
Chipset	MAXIM MAX9296
Power Source	12V DC Jack
Power Consumption (Avg.)	9.38W
Operation Temperature	-30˚C ~ 70˚C
Dimension (W x L x H/mm)	91.6 x 55.0 x 17.27 (EB120-1S4F-11) 91.6 x 55.0 x 20.07 (EB120-1S4F-12) 91.6 x 55.0 x 40.04 (EB120-1S4F-13)
Warranty	2 Years

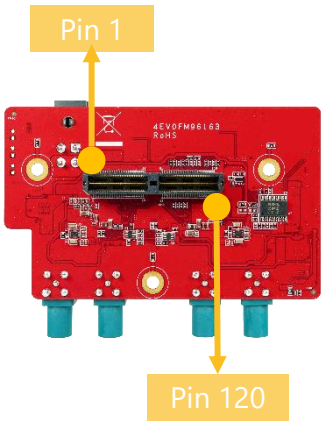
ORDER INFO.

P/N	Description
EB120-1S4F-11	SAMTEC 120-pin x1 to GMSL2 FAKRA Z x4 Capture Card 4 x Horizontal FAKRA connectors with low-profile SAMTEC connector Dimension : 91.6 x 55mm (12V DC power cable included)
EB120-1S4F-12	SAMTEC 120-pin x1 to GMSL2 FAKRA Z x4 Capture Card 4 x Vertical FAKRA connectors with low-profile SAMTEC connector Dimension : 91.6 x 55mm (12V DC power cable included)
EB120-1S4F-13	SAMTEC 120-pin x1 to GMSL2 FAKRA Z x4 Capture Card 4 x Vertical FAKRA connectors with high-profile SAMTEC connector Dimension : 91.6 x 55mm (12V DC power cable included)
7W8000000120	12V DC Power Cable
9Z9000000350	Adapter, 100 ~ 240V AC, 12V DC, 60W, DC Jack

CONNECTOR PIN ASSIGNMENT

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	NC	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
23	GND	24	GND
25	CSI2_CLK_P	26	NC
27	CSI2_CLK_N	28	NC
29	GND	30	GND
31	CSI2_D1_P	32	CSI3_D1_P
33	CSI2_D1_N	34	CSI3_D1_N
35	GND	36	GND
37	CSI4_D0_P	38	CSI6_D0_P
39	CSI4_D0_N	40	CSI6_D0_N
41	GND	42	GND
43	CSI4_CLK_P	44	CSI6_CLK_P
45	CSI4_CLK_N	46	CSI6_CLK_N
47	GND	48	GND
49	CSI4_D1_P	50	CSI6_D1_P
51	CSI4_D1_N	52	CSI6_D1_N
53	GND	54	GND
55	NC	56	NC
57	NC	58	NC
59	CSI5_D0_P	60	CSI7_D0_P
61	CSI5_D0_N	62	CSI7_D0_N
63	GND	64	GND
65	NC	66	NC
67	NC	68	NC
69	GND	70	GND
71	CSI5_D1_P	72	CSI7_D1_P
73	CSI5_D1_N	74	CSI7_D1_N
23	I2C3_CLK	76	NC
21	I2C3_DAT	78	NC
79	GND	80	GND
81	NC	82	NC
83	NC	84	NC
85	NC	86	NC
87	I2C2_CLK	88	NC
89	I2C2_DAT	90	NC





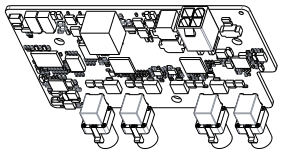
Power Connector	
Pin #	**Pin Name**
1	Ground
2	Ground
3	DC 12V
4	DC 12V

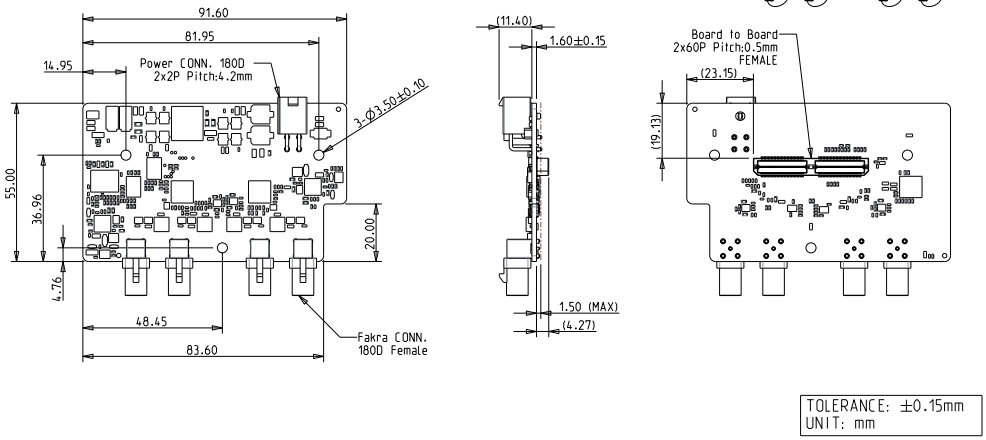
CONNECTOR PIN ASSIGNMENT

Pin #	Pin Name	Pin #	Pin Name
91	NC	92	NC
93	NC	94	NC
95	NC	96	NC
97	NC	98	NC
99	GND	100	GND
101	NC	102	NC
103	NC	104	NC
105	NC	106	NC
107	NC	108	NC
109	NC	110	NC
111	NC	112	NC
113	NC	114	NC
115	GND	116	GND
117	NC	118	NC
119	NC	120	NC

MECHANICAL DRAWING

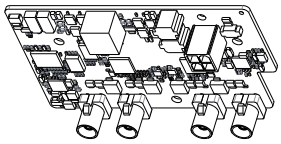
EB120-1S4F-11

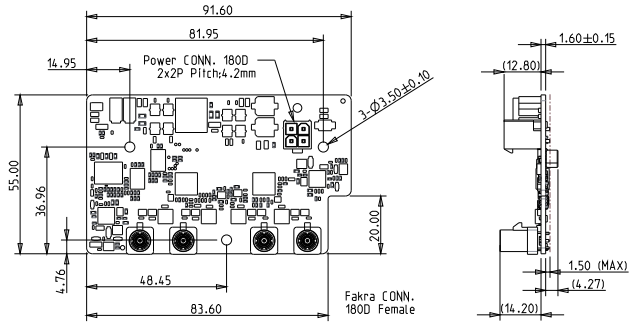




MECHANICAL DRAWING

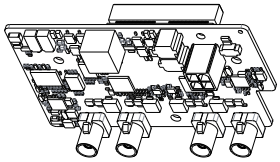
EB120-1S4F-12

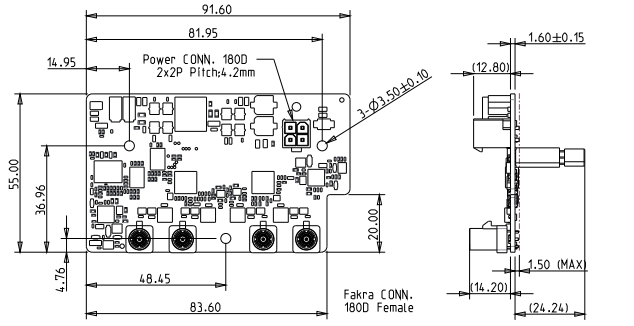




TOLERANCE: ±0.15mm
UNIT: mm

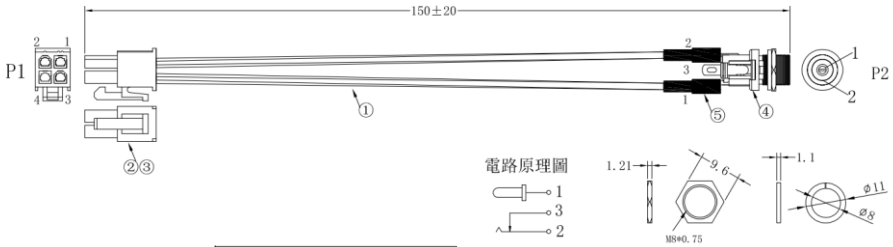
EB120-1S4F-13





TOLERANCE: ±0.15mm
UNIT: mm

CABLE APPEARANCE



WIRING DIAGRAM

P1	COLOR	P2
1	BLACK	2
2	BLACK	
3	YELLOW	1
4	YELLOW	

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