

Operation: 24PIN-SMT 板上立贴式/一体加强型 防水结构 & 3.1 Type-C 连接器

RoHS Compliant



LTEM NO.:MC-318FF

(L11.85mm×W6.1mm×H8.8mm CONNECTORS)

Technical parameter

PROJECT	LEVEL	A[better product]	B[average product]
Electrical Properties	Contact Rating	3.0A, 100V AC	
	Initial Contact Resistance	30mΩ max.	50mΩ max.
	Insulation Resistance	100MΩ min.500V DC	Skey/PD: 100MΩ min.300V DC
	Withstand Voltage	500V AC for 1 minute	350 V AC for 1 minut
	There No Load	10,000 Cycles	8,000 Cycles
Durable Performance	Rated Load	8,500 Cycles	6,500 Cycles
	Storage temp.	-35℃~+75℃(Operating Temp:)	

表面贴装 SMT

正向導入 DOWN

精密部品 NICETY

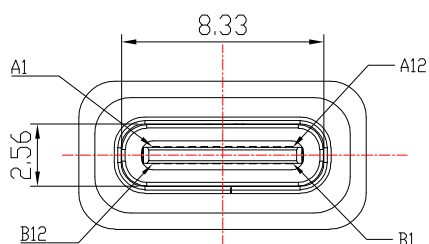
可靠 STABILIZE

適合環保 RoHS

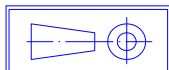
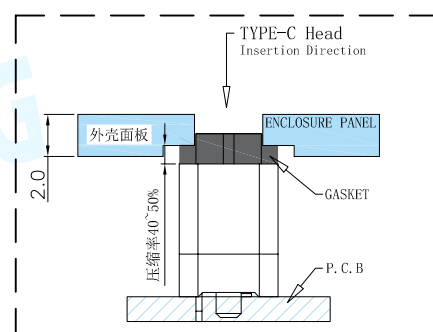
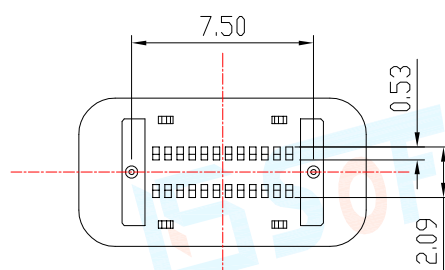
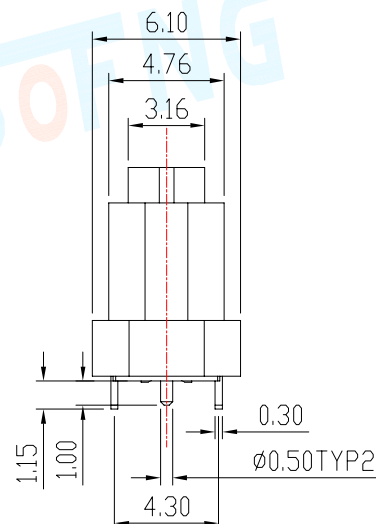
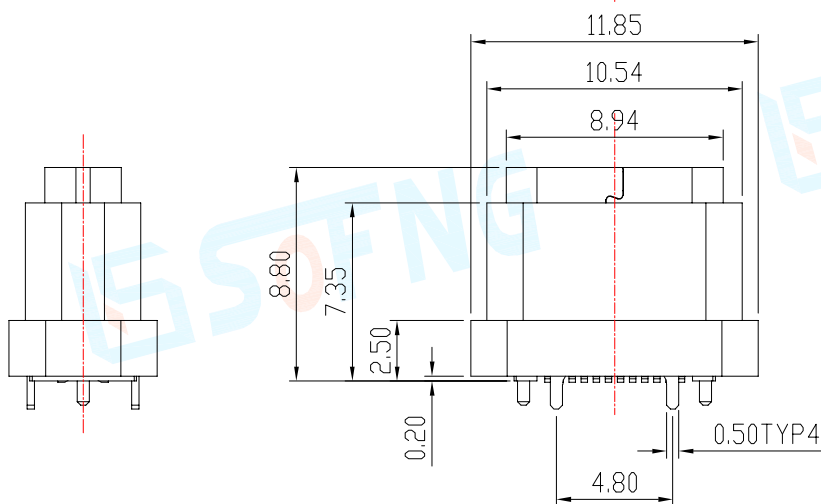
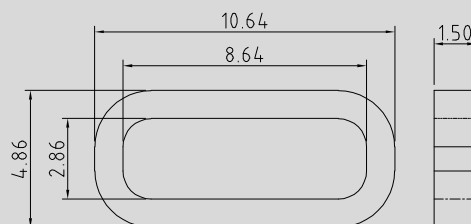
Unit:mm

MC-318FF - XX

产品型号

主体高度
88=8.8mm
93=9.3mm
10=10.0mm
105=10.5mm防水圈为1.0mm直径的圆形硅胶圈, 挤压力
1.0mm挤压到0.4mm ~ 0.5mm, 防水效果好

CIRCUIT DIAGRAM



Operating Force

Inward

5.0~12.0N. (1N.=100gram-force)

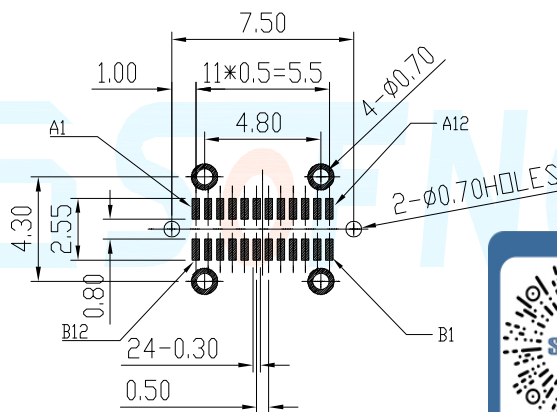
Exiting

5.0~12.0N. (1N.=100gram-force)

Solder-ability (Max.)

IR Reflow:255°C, 5sec.

Manual:350°C, 3sec.

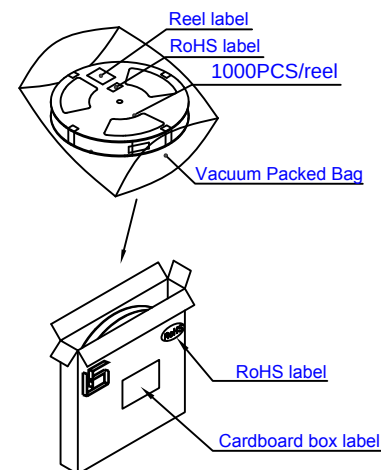


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Pin Definition

PIN	Signal NAME	Description	PIN	Signal NAME	Description
A 1	GND	Ground return	B12	GND	Ground return
A 2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of second SuperSpeed RX differential pair
A 3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of second SuperSpeed RX differential pair
A 4	V BUS	Bus Power	B 9	V BUS	Bus Power
A 5	CC1	Configuration Channel	B 8	SBU2	Sideband Use (SBU)
A 6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B 7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A 7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B 6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A 8	SBU1	Sideband Use (SBU)	B 5	CC2	Configuration Channel
A 9	V BUS	Bus Power	B 4	V BUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B 3	SSTXn2	Negative half of first SuperSpeed TX differential pair2
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B 2	SSTXp2	Positive half of first SuperSpeed TX differential pair2
A12	GND	Ground return	B 1	GND	Ground return

DECIMALS	ANGLES
.X :±0.25	X.° :±1.5°
.XX :±0.15	X.X° :±1.0°
.XXX :±0.10	.XXX° :±0.5°



Material declaration

No.	NAME	MATERIAL	DESCRIPTION
① A	TERMINAL 接触端子	COPPER ALLOY 【G/F】	2.0 μm Ni PLATED OVERALL 0.25 μm Au PLATED CONTACT AREA GOLD FLASH ON SOLDER AREA
② B	HOUSING 基座	THERMOPLASTIC	UL 94V-0, COLOR: BLACK;
③ C	SHIELDING PLATE 屏蔽壳	STAINLESS STEEL	【G/F】0.25 μm Ni PLATED OVERALL;
④ D	SHELL 外壳	STAINLESS STEEL	【G/F】0.25 μm Ni PLATED OVERALL;
⑤ E	GND RING 接地件	STAINLESS STEEL	STAINLESS STEEL;
⑥ F	GLUE WATER 低温胶水	-	EPOXY[Black]

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