CARD SOCKETS

www.Sofng.com

Operation:沉板式(沉深 2.0mm)D+S 结构 & 3.1Type-C 连接器(24PIN)

HF Halogen Free | LEAD FREE | RoHS Compliant

ITEM NO.:MC-313C-20 (Consumer Electronics)

(L10.3×W9.15×H 3.65 & DUL SMT LOW PCB TYPE)

3.1 Type-C CONNECTORS

Technical parameter

外焊沉板 DIP+SMT

侧向導入 LATERAL

精密部品 NICETY

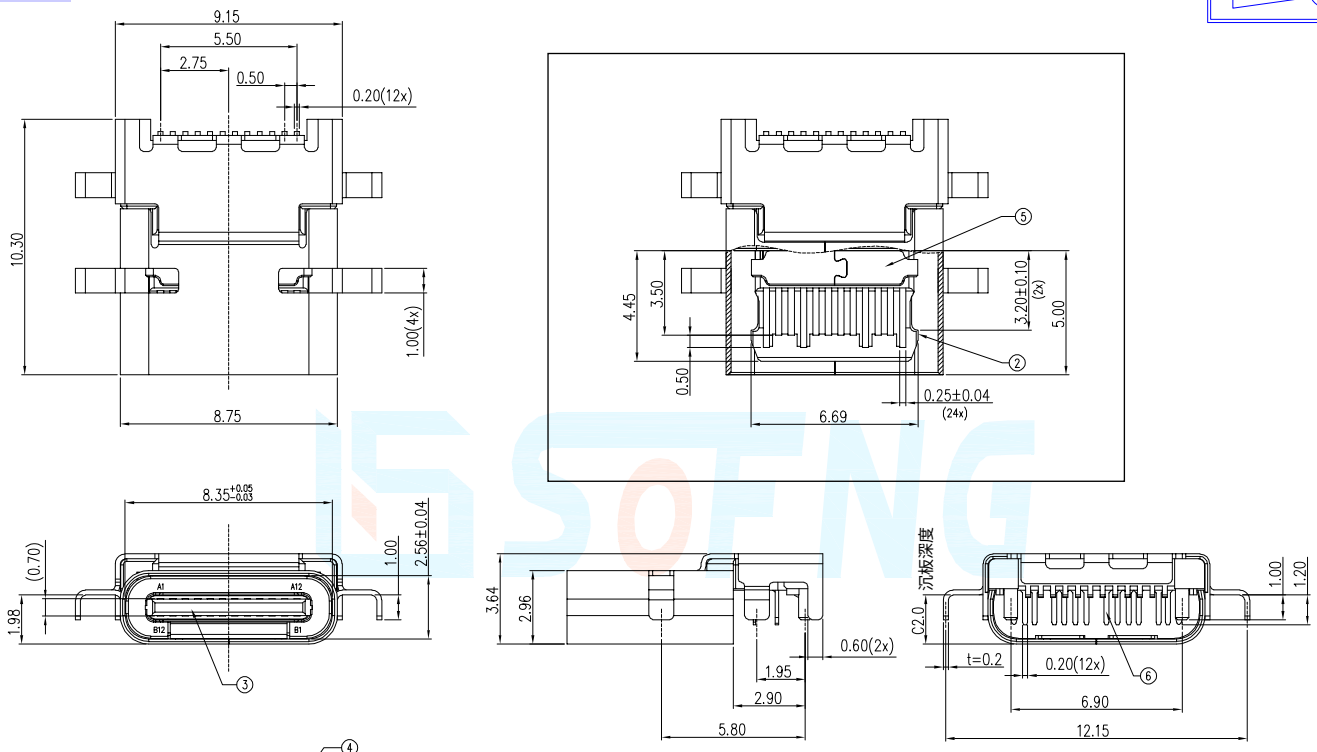
可靠 STABILIZE

環保材质 RoHS

PROJECT \ LEVEL		A[better product]	B[average product]
Electrical Properties	Contact Rating	5A, 24V DC	
	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
Durable Performance	There No Load	6,500 Cycles	5,500 Cycles
	Rated Load	5,500 Cycles	4,500 Cycles
Storage Temp		25℃/50℃RH (Operating temperature: -35℃～+75℃)	

Page1

Unit:mm

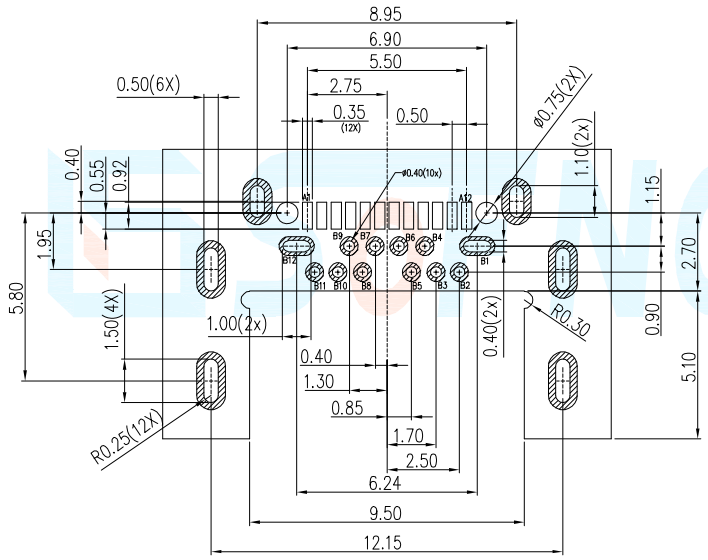


Material declaration			
No	**NAME**	**MATERIAL**	**REMARKS**
①	TERMINAL HOUSING 基座	HIGH TEMPERATURE PLASTIC	BLACK/NATURE/GREEN
②	SPRING 弹片	STAINLESS【G/F】t=0.10	0.25 μ m Ni PLATED OVERALL;
③	IRON HOUSING 胶芯	HIGH TEMPERATURE PLASTIC	UL 94V-0,COLOR:BLACK;
④	SHELL 外壳	STAINLESS【G/F】t=0.30	Ni PLATED
⑤	DUST COVER 防护盖	HIGH TEMPERATURE PLASTIC	UL 94V-0,COLOR:BLACK;
⑥	CONTACT 接触端子	COPPER ALLOY【G/F】t=0.15	C5191R-H (1u" MIN)

CIRCUIT BOARD SIZE

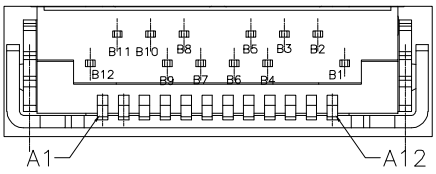
(Vertical view)

Operating Force	Inward	8.0～20.0N. (1N.=100gram-force)	**Solder-ability (Max.)**	
	Exiting	8.0～20.0N. (1N.=100gram-force)	IR Reflow:255℃, 5sec.	Manual:350℃, 3sec.



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

PIN ASSIGNMENTS



PIN	Signal NAME	Description	PIN	Signal NAME	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of firs SuperSpeed TX differential pair	B11	SSRXp1	Positive half of second SuperSpeed RX differential pair
A3	SSTXn1	Negatice half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of second SuperSpeed RX differential pair
A4	V BUS	Bus Power	B9	V BUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use(SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuration Channel
A9	V BUS	Bus Power	B4	V BUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negatice half of first SuperSpeed TX differential pair2
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of firs SuperSpeed TX differential pair2
A12	GND	Ground return	B1	GND	Ground return

注記 NOTICE

1. 碩方公司擁有最終解釋權; The SOFNG company reserves the right of final interpretation;
2. 文件禁止外洩、轉載; Leaked and reproduced prohibited;
3. 未經授權修改無效。Modify is invalid.