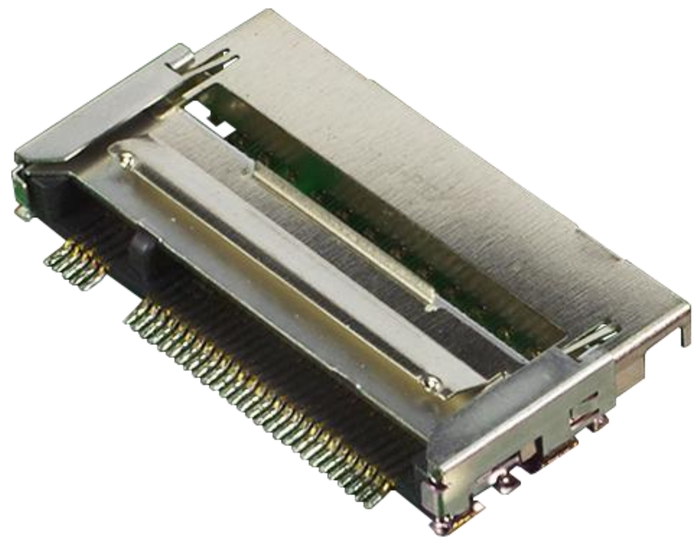
SX-M2

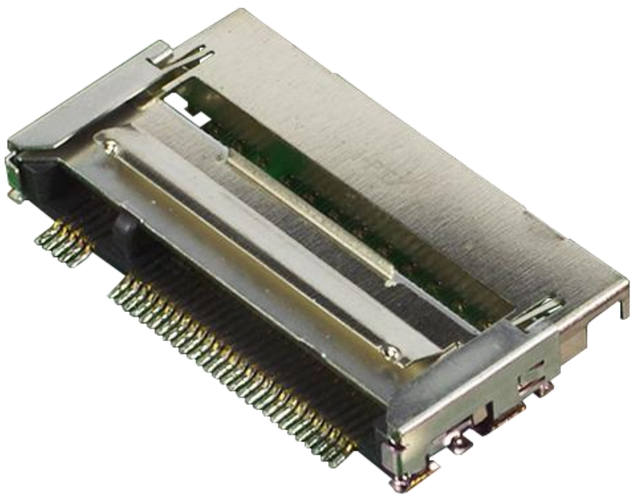
屏蔽型 M.2 連接器 (B-key) 符合 M.2 規範

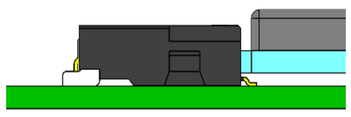
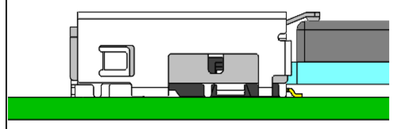
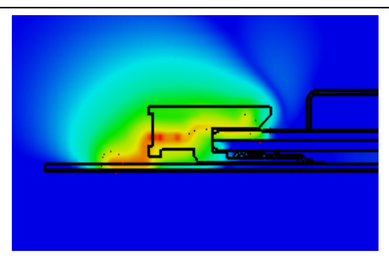
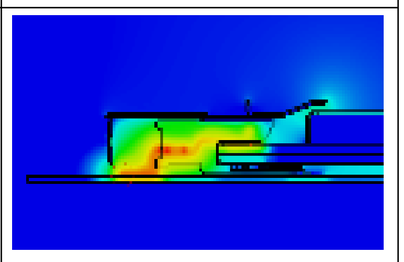


Product Specifications:

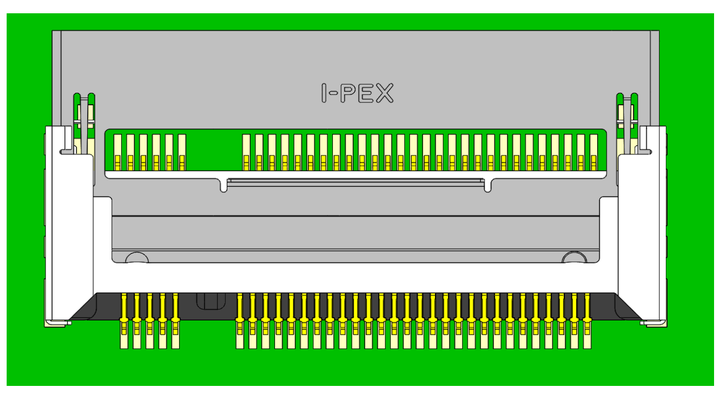
Pin Count	67 pin
Contact Pitch	0.5 mm
Current Rating	0.5 A AC/DC (per contact)
Voltage Rating	35 V AC (per contact)
Contact Resistance	55 mΩ max.
Operating Temperature	233 to 353 K (-40 to 85 ℃)

▶ M.2 連接器採用強化型屏蔽結構，可有效抑制 EMI

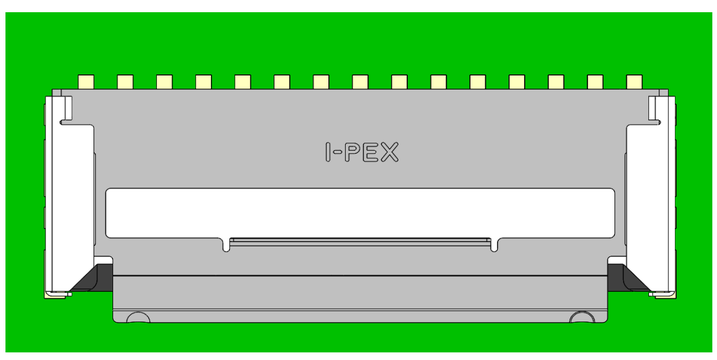


	M.2 連接器	**SX-M2**
模擬模型		
模擬結果		
	EMI 洩漏	屏蔽蓋可減少 EMI洩漏

▶ 可對接點安裝區域進行目視檢查

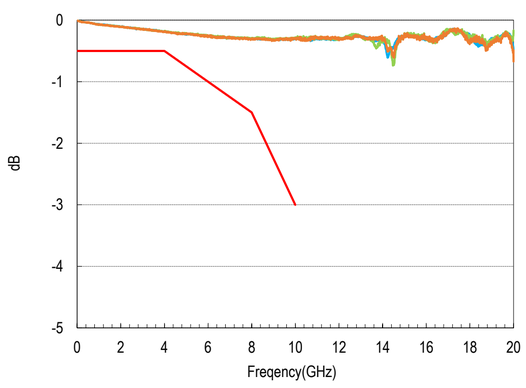
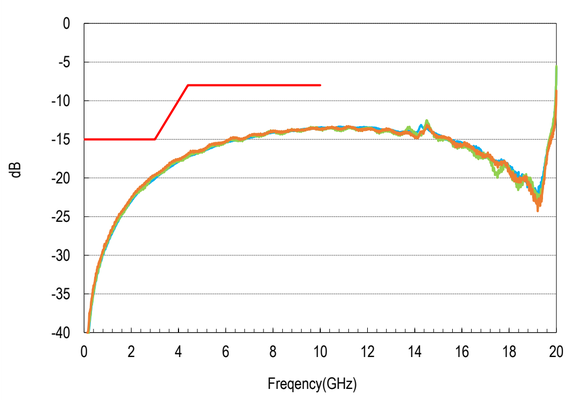
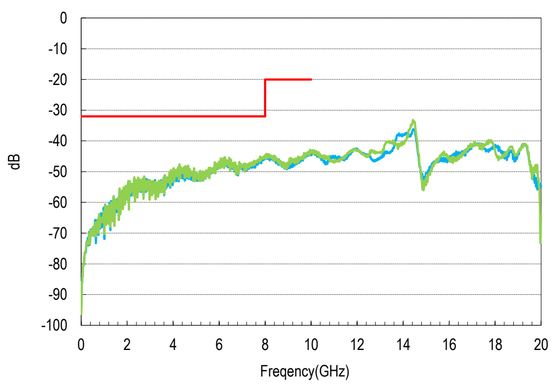
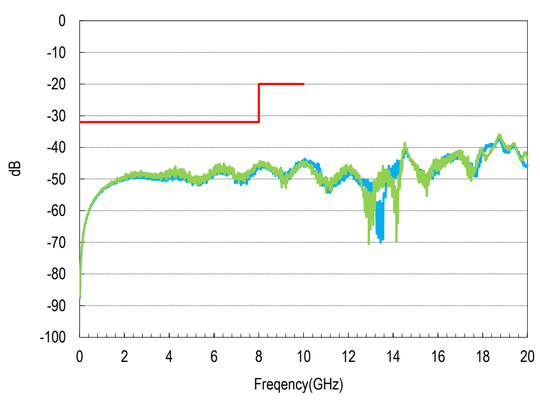


打開蓋子時，可看到接點並進行檢查



關閉蓋子後，接點被遮蔽，
並提供 EMI 防護

▶ 符合 M.2 規範的訊號完整性性能

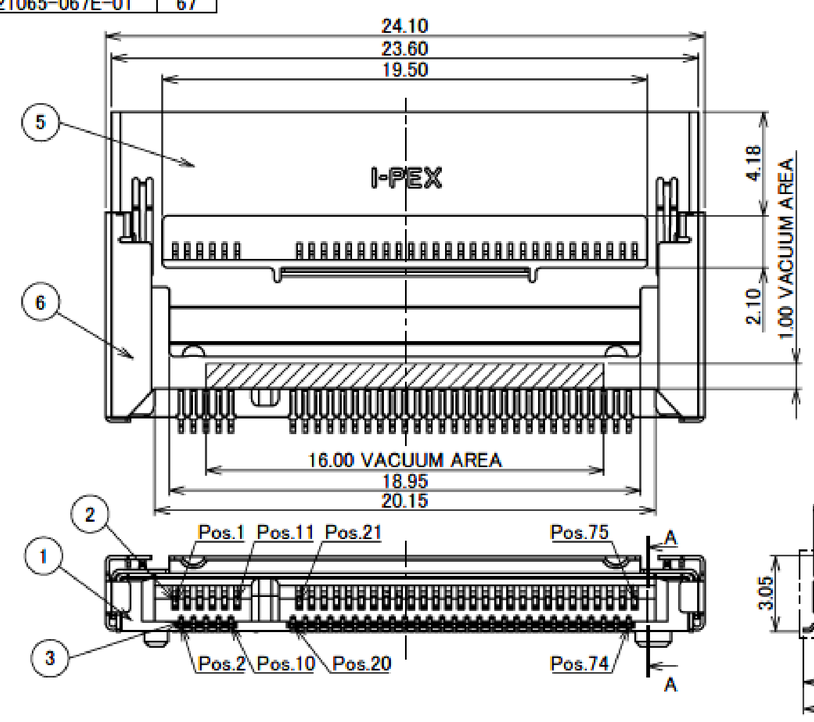
Insertion Loss De-embedding data	Return Loss De-embedding data	Near End Cross Talk No De-embedding data	Far End Cross Talk No De-embedding data
			

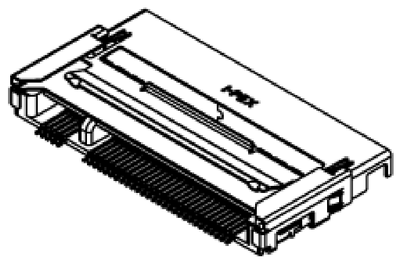
（Simulation Results）

Component Parts Details

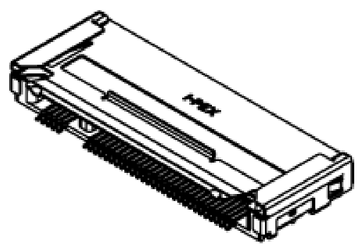
SX-M2

RECOMMENDED PART No.	21065-067E-01
PART NO.	Pos.
21065-067E-01	67

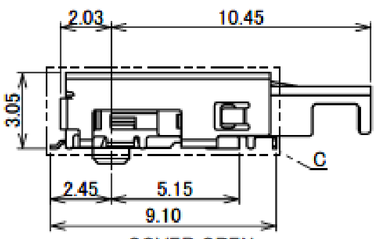


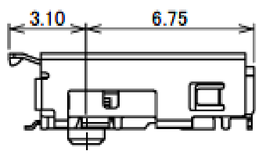


COVER OPEN
SHIPPING STATUS

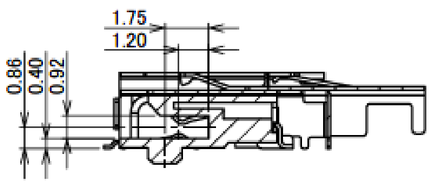


COVER CLOSE
READY TO INSERT CARD





COVER CLOSE



SECT. A-A

COVER OPEN

NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
6	SHIELD SHELL	SUS	Matt Sn 1.00 μm MIN. OVER Ni 1.27 μm MIN. (NO POLISH)
5	SLIDE COVER	SUS	-
4	HOLD DOWN	SUS	Matt Sn 1.52 μm MIN. OVER Ni 1.27 μm MIN. (NO POLISH)
3	LOWER CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.254 μm MIN. SOLDERING AREA : Au FLASH OTHER : Ni 1.27 μm MIN.
2	UPPER CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.254 μm MIN. SOLDERING AREA : Au FLASH OTHER : Ni 1.27 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

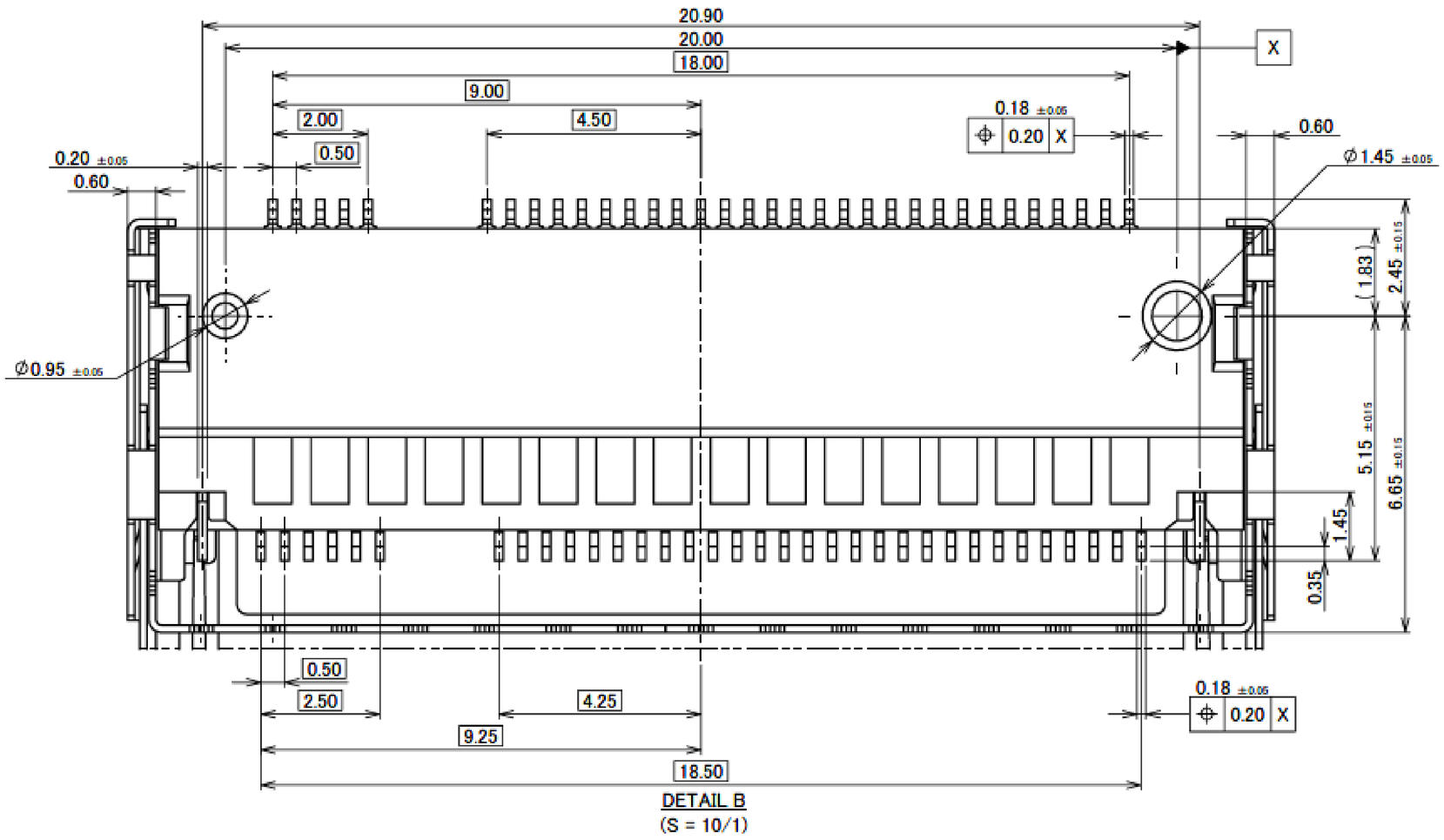
Halogen Free RoHS Compliant

Rev.0

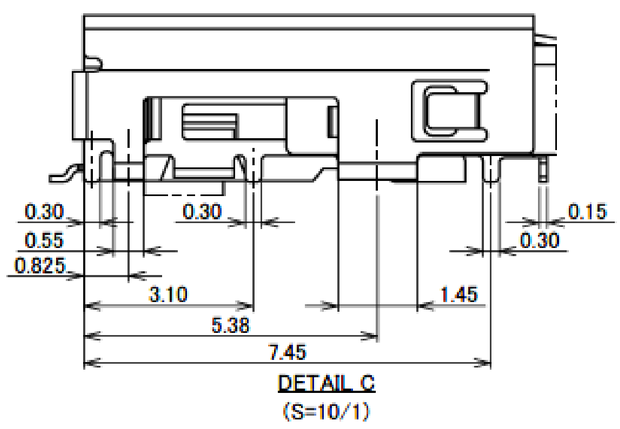
SX-M2

ITEMS	SPECIFICATION
RATED VOLTAGE	35V AC (PER CONTACT PIN)
RATED CURRENT	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	233 TO 353K (−40℃ TO +80℃)
OPERATING HUMIDITY	95% MAX.
CONTACT RESISTANCE	INITIAL : 55mohm MAX. / AFTER TEST : ⊿20mohm MAX.
INSULATION RESISTANCE	500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC 300V 1min
DURABILITY	60 CYCLES
MATING FORCE	25N MAX.
UNMATING FORCE	25N MAX.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2951
TEST REPORT	TR-25032
PACKING STANDARD	PST-25022
INSTRUCTION MANUAL	HIM-26004
APPEARANCE CRITERIA No.	QLS-A***

Rev.0



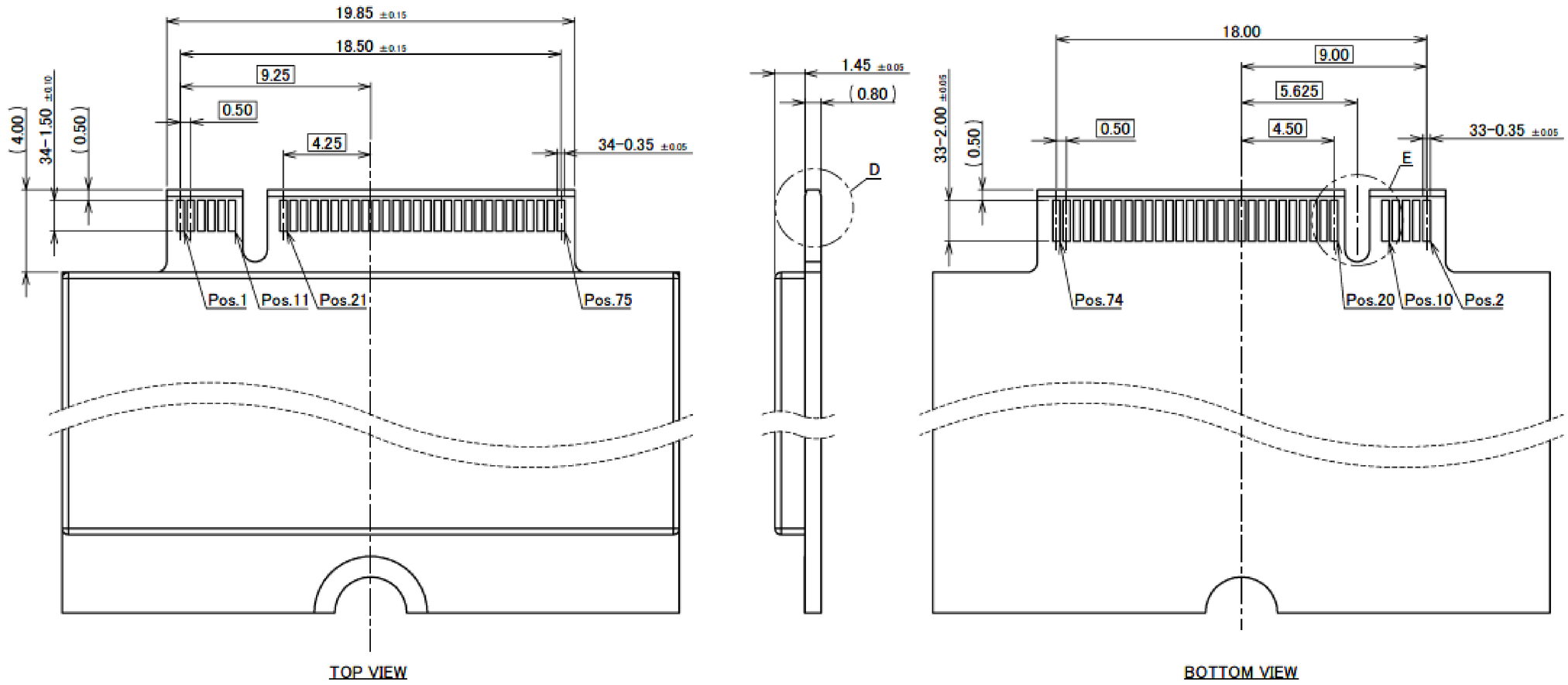
DETAIL B
(S = 10/1)



DETAIL C
(S=10/1)

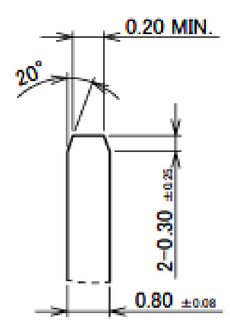
Rev.0

SX-M2



TOP VIEW

BOTTOM VIEW



DETAIL D
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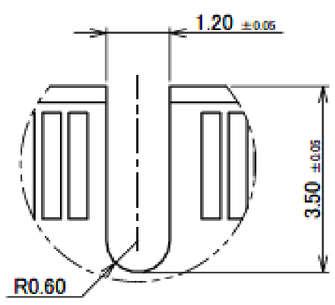
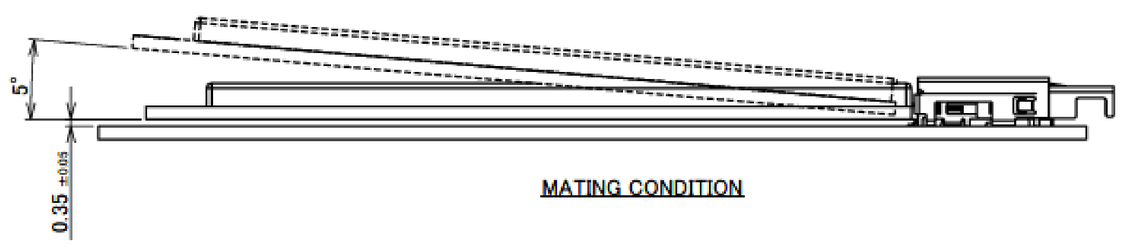
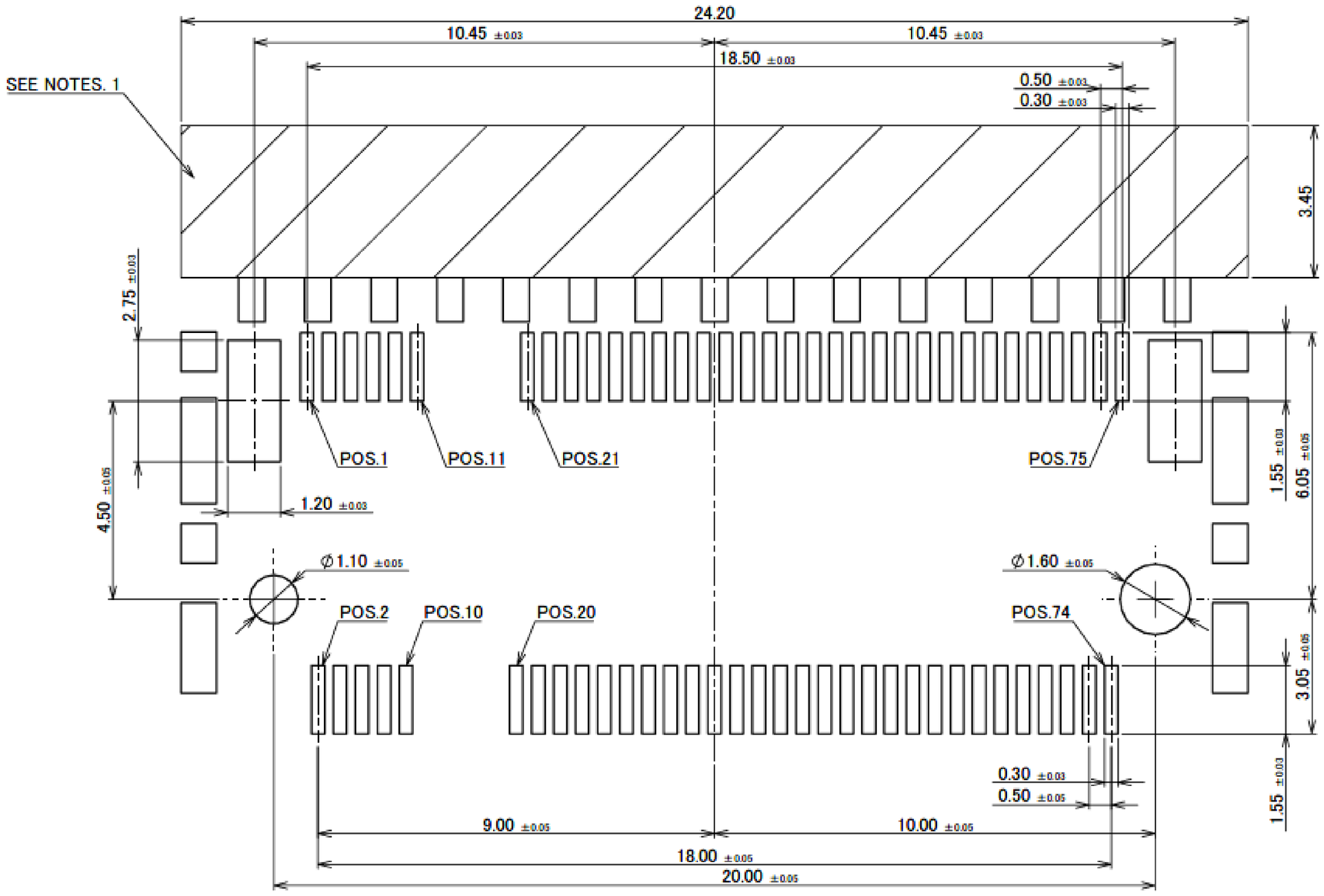


DETAIL E
(S = 10/1)



MATING CONDITION

Rev.0

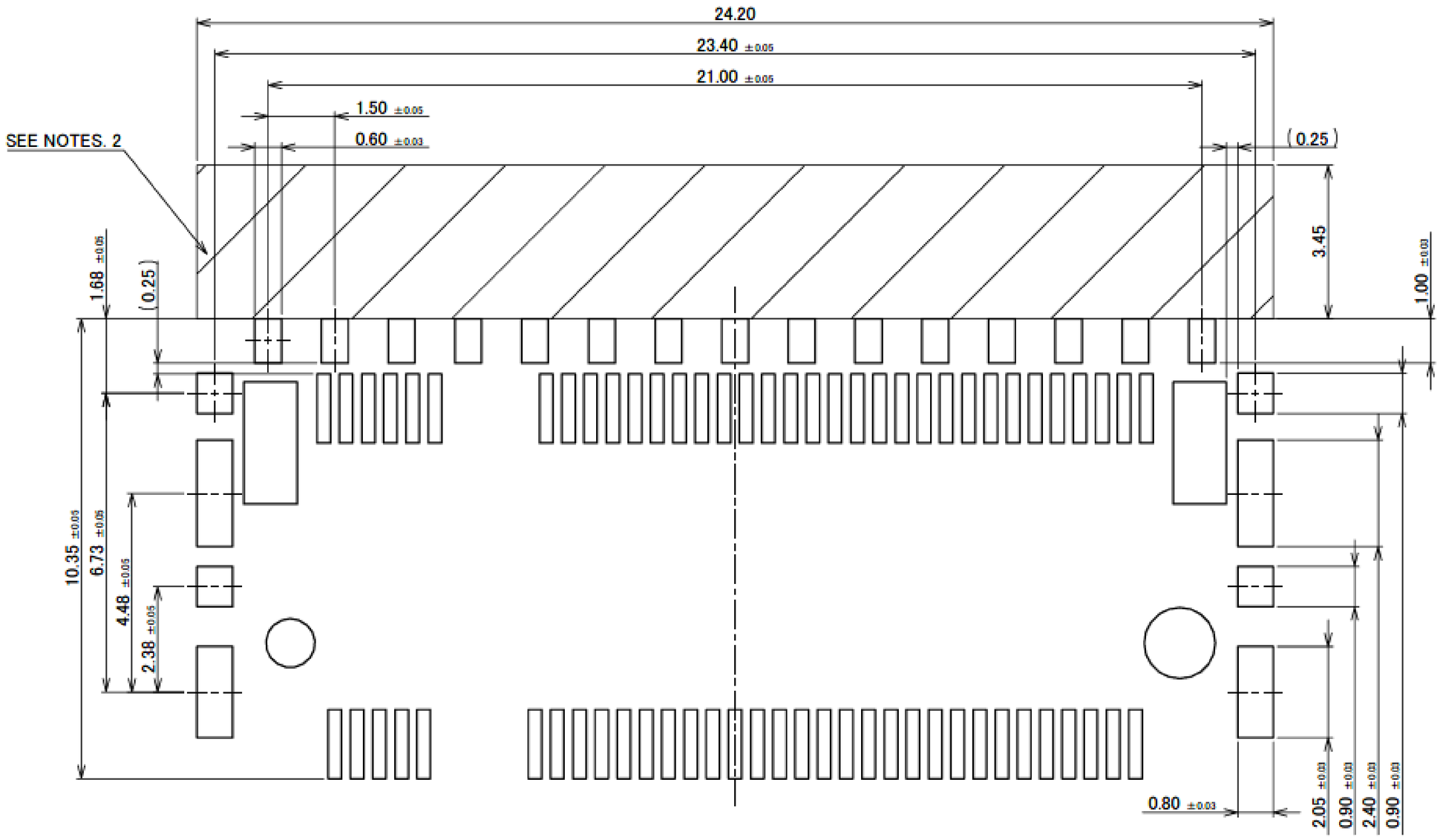


RECOMMENDED PCB & METAL MASK LAYOUT
(CONTACT AND HOLD DOWN)
METAL MASK THICKNESS : t=0.10 mm

NOTES.
1. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA

Rev.0

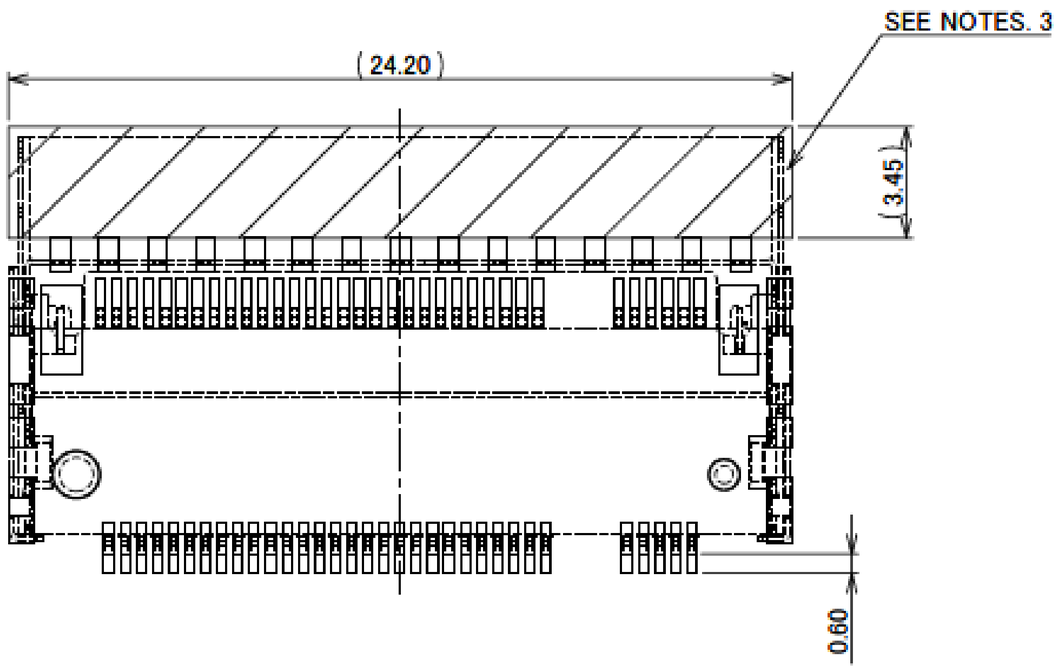
SX-M2



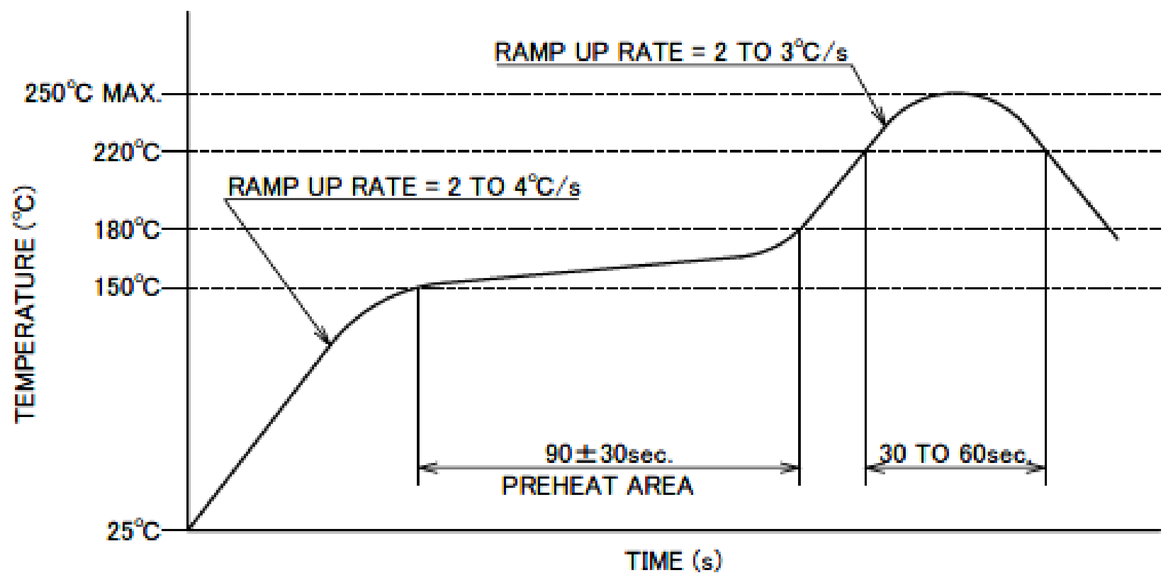
RECOMMENDED PCB & METAL MASK LAYOUT
(SHIELD SHELL)
METAL MASK THICKNESS : t=0.10 mm

NOTES.
2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA

Rev.0



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

NOTES.
3. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA

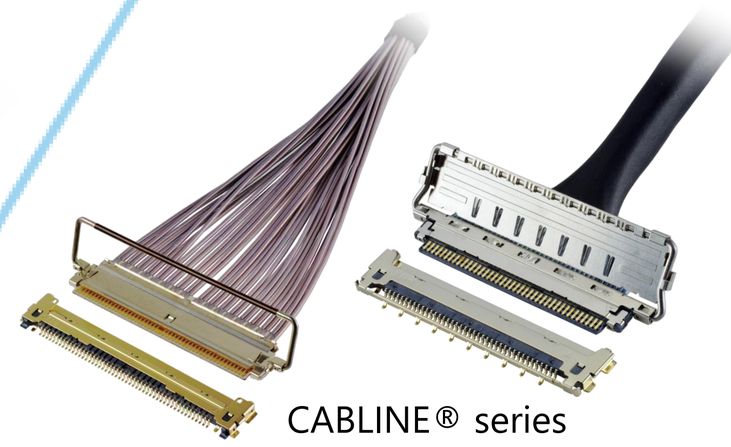
Rev.0

Custom Connectors Available

RF Connectors

MHF® series

Micro-Coaxial/Twinaxial Connectors



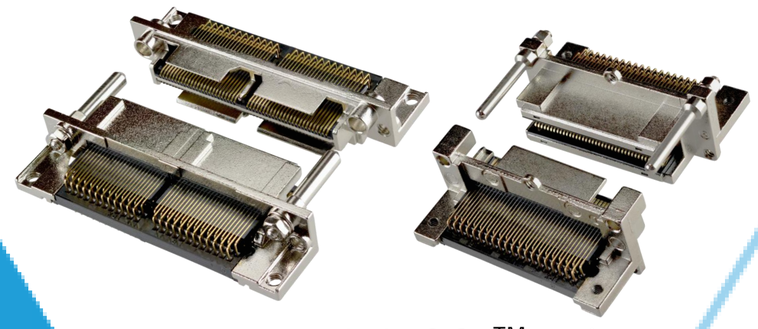
CABLINE® series

Wire-to-Board Connectors/ Terminals

AP series

ISH® series

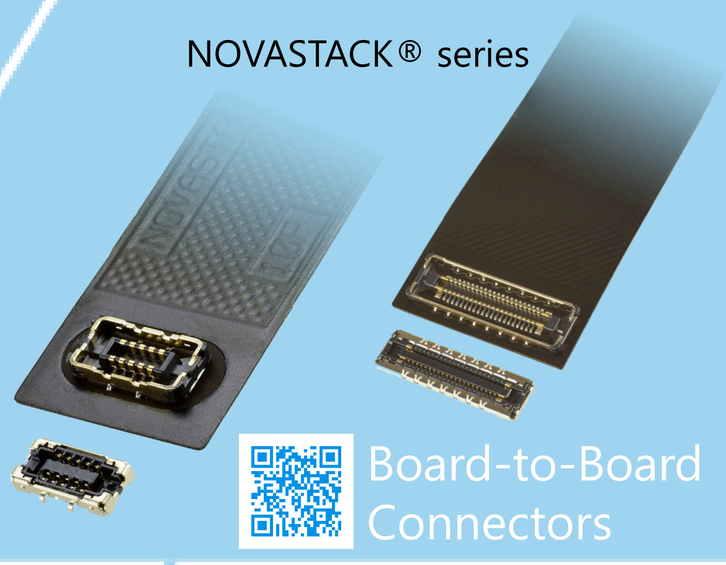
I/O Connectors



MINIDOCK™ series

Board-to-Board Connectors

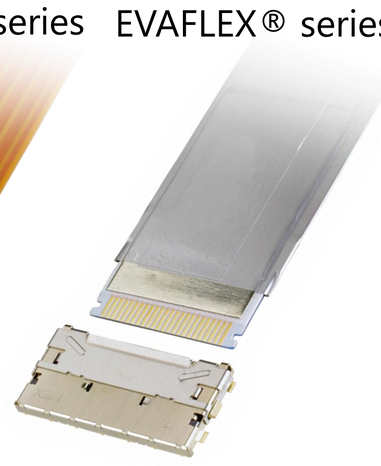
NOVASTACK® series



FPC/FFC Connectors

MINIFLEX® series

EVAFLEX® series



Inquiry

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