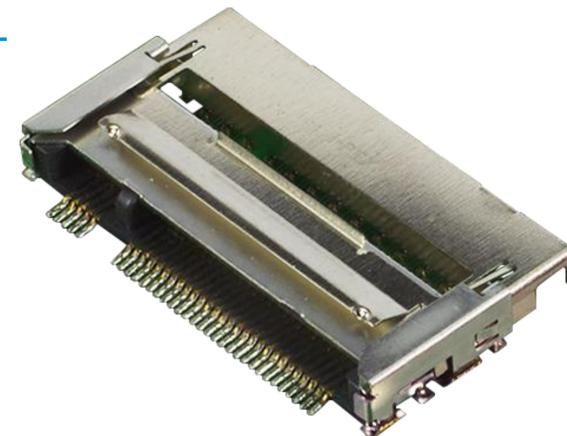


# SX-M2

シールド付き M.2コネクタ (Key B)  
M.2規格準拠

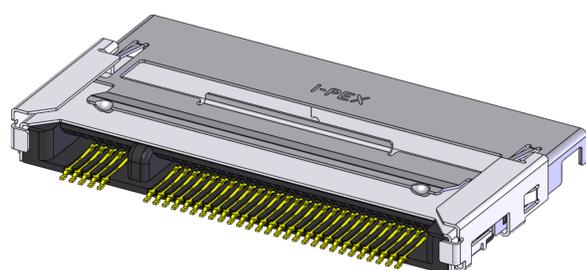
## Product Specifications:

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 358 K (-40 to 85 °C)



## ▶ M.2コネクタにシールドを追加しEMI対策

コネクタ周辺からのノイズ漏れを低減

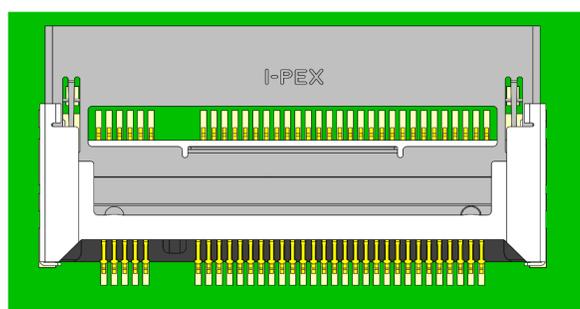


	M.2 Connector	SX-M2
解析モデル		
解析結果		

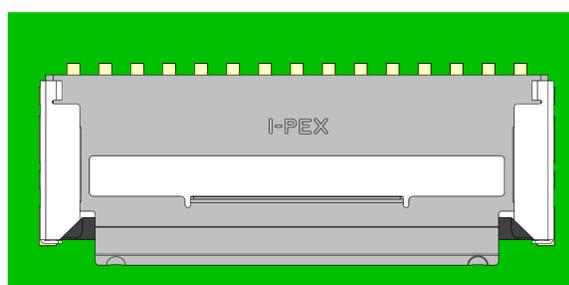
コネクタ部から漏れあり

コネクタ部から漏れなし

## ▶ コンタクト実装部分が確認可能

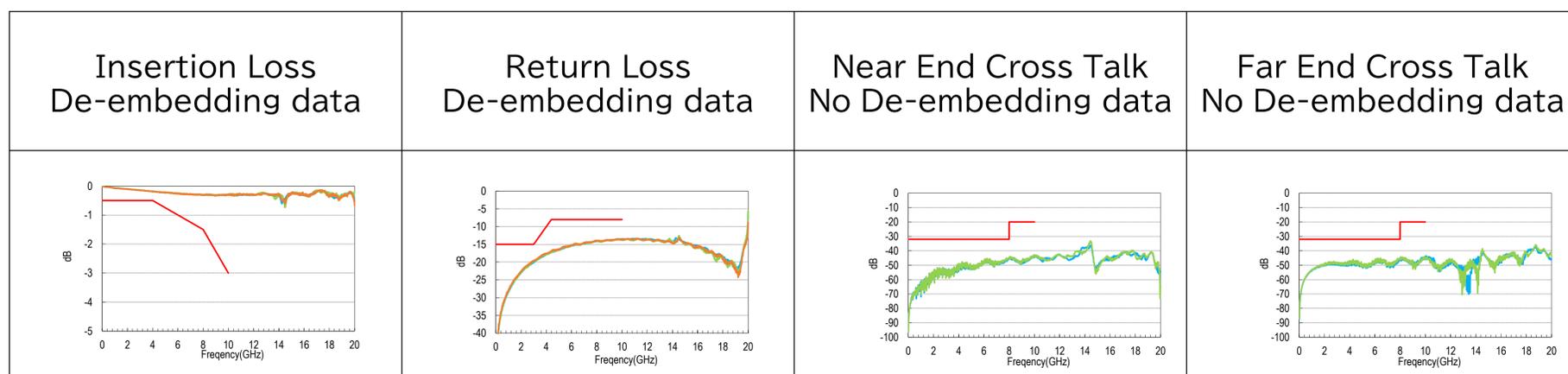


カバーOPEN時、コンタクト実装部分の確認が可能



実使用時はカバーをCLOSEすることでコンタクトが隠れEMI対策可能

## ▶ M.2規格準拠の信号品質性能

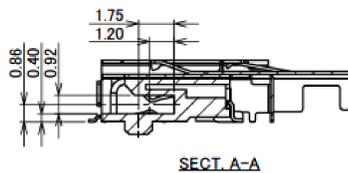
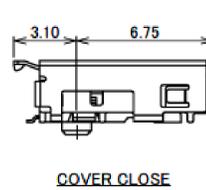
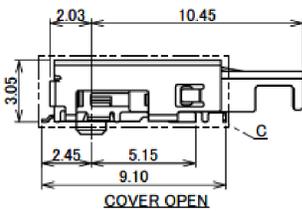
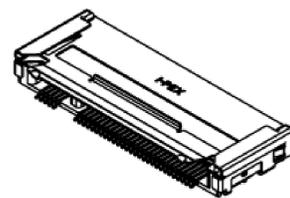
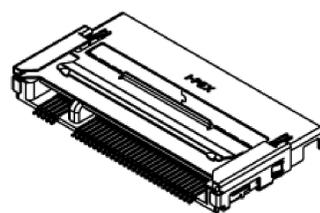
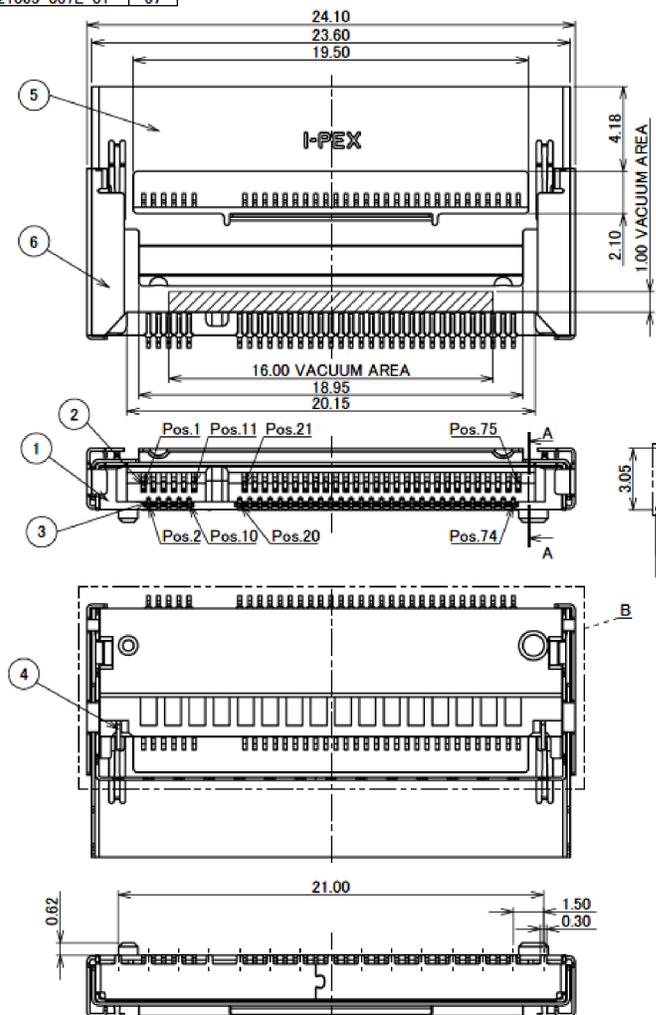


シミュレーション結果 (参考データ)

# Component Parts Details

## SX-M2

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

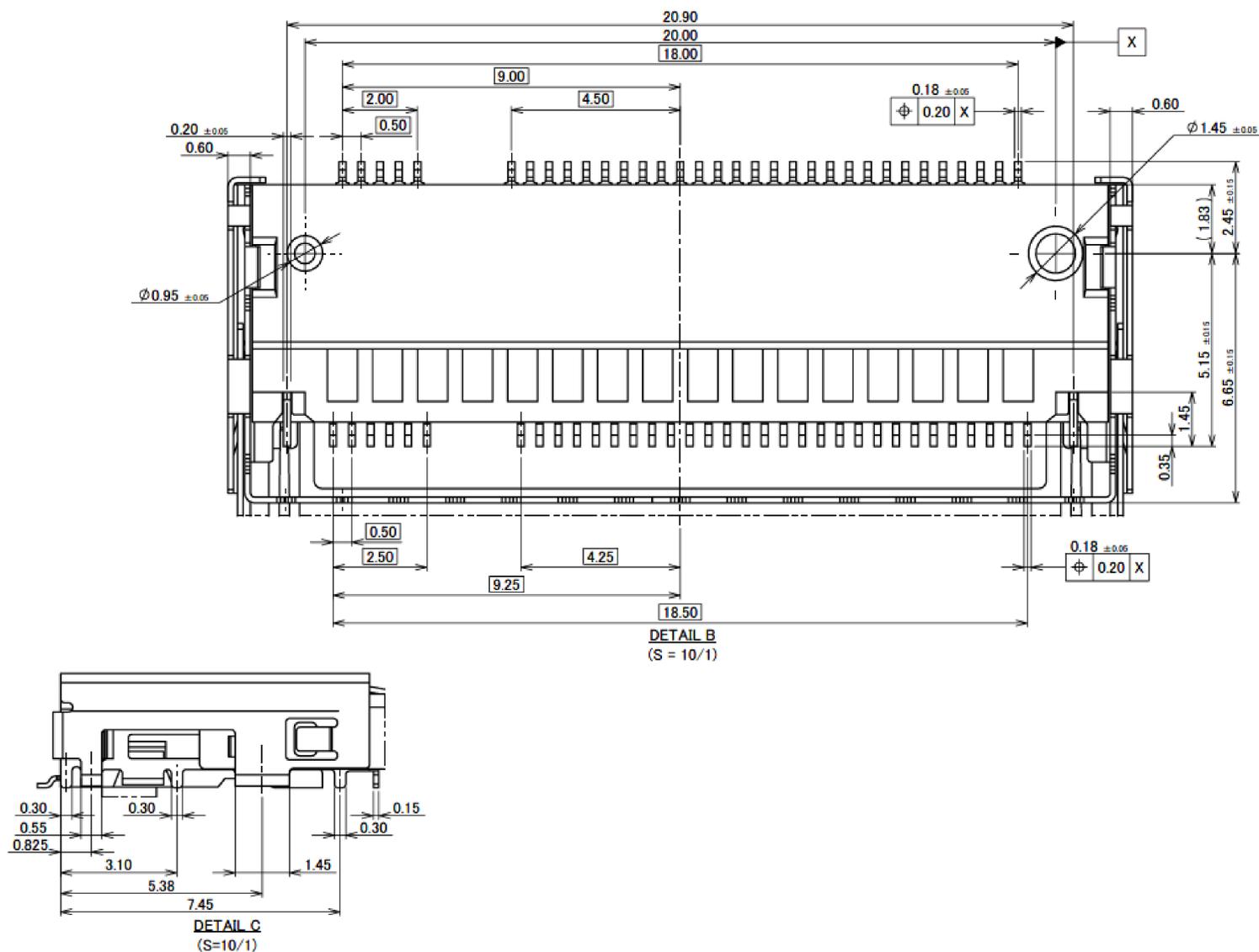


NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
6	SHIELD SHELL	SUS	Matt Sn 1.00 $\mu$ m MIN. OVER Ni 1.27 $\mu$ m MIN. (NO POLISH)
5	SLIDE COVER	SUS	-
4	HOLD DOWN	SUS	Matt Sn 1.52 $\mu$ m MIN. OVER Ni 1.27 $\mu$ m MIN. (NO POLISH)
3	LOWER CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.254 $\mu$ m MIN. SOLDERING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

# SX-M2

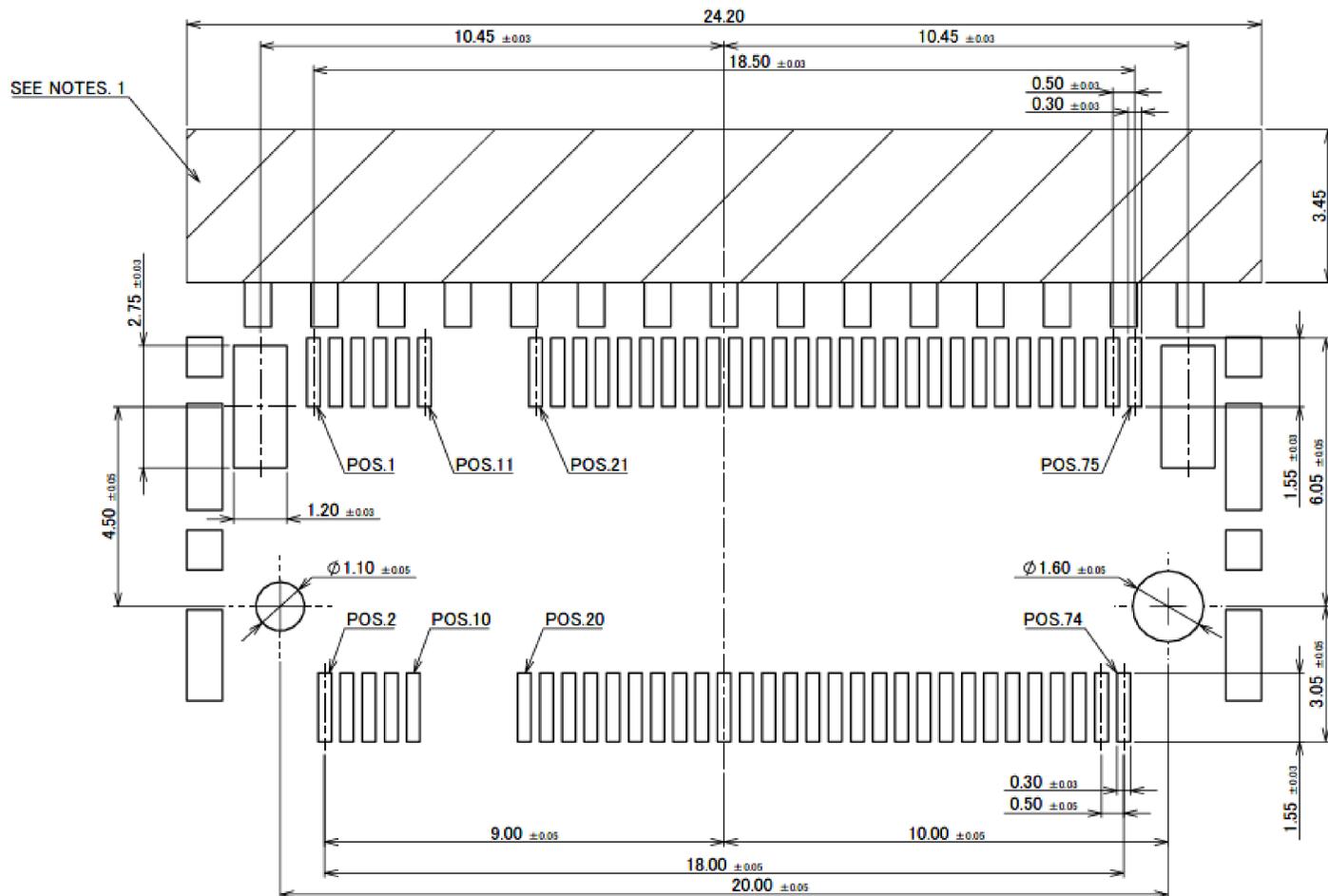
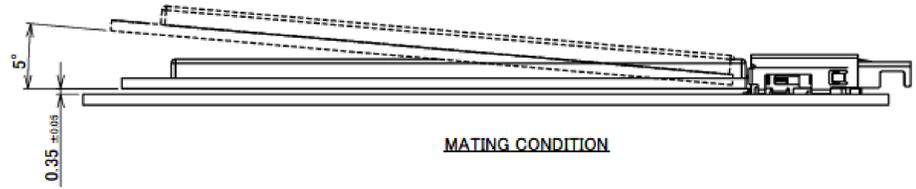
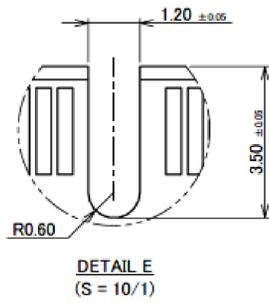
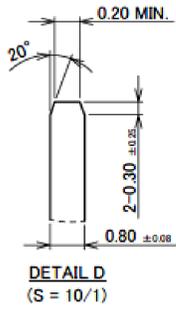
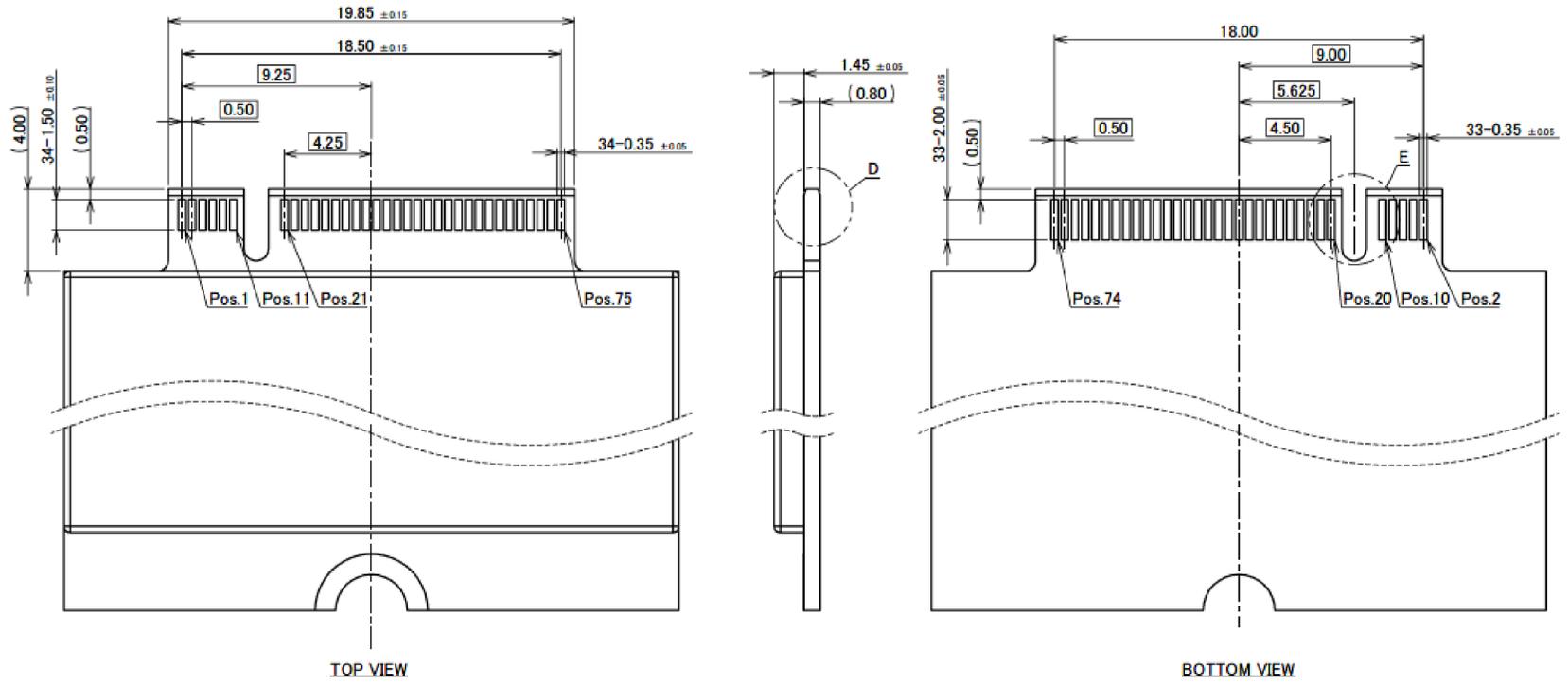
ITEMS	SPECIFICATION
RATED VOLTAGE	35V AC (PER CONTACT PIN)
RATED CURRENT	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	23 TO 353K (-40°C TO +80°C)
OPERATING HUMIDITY	95% MAX.
CONTACT RESISTANCE	INITIAL : 55mohm MAX. / AFTER TEST : $\triangle$ 20mohm MAX.
INSULATION RESISTANCE	500Mohm MIN.
DIELECTRIC 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



Rev.0

# SX-M2

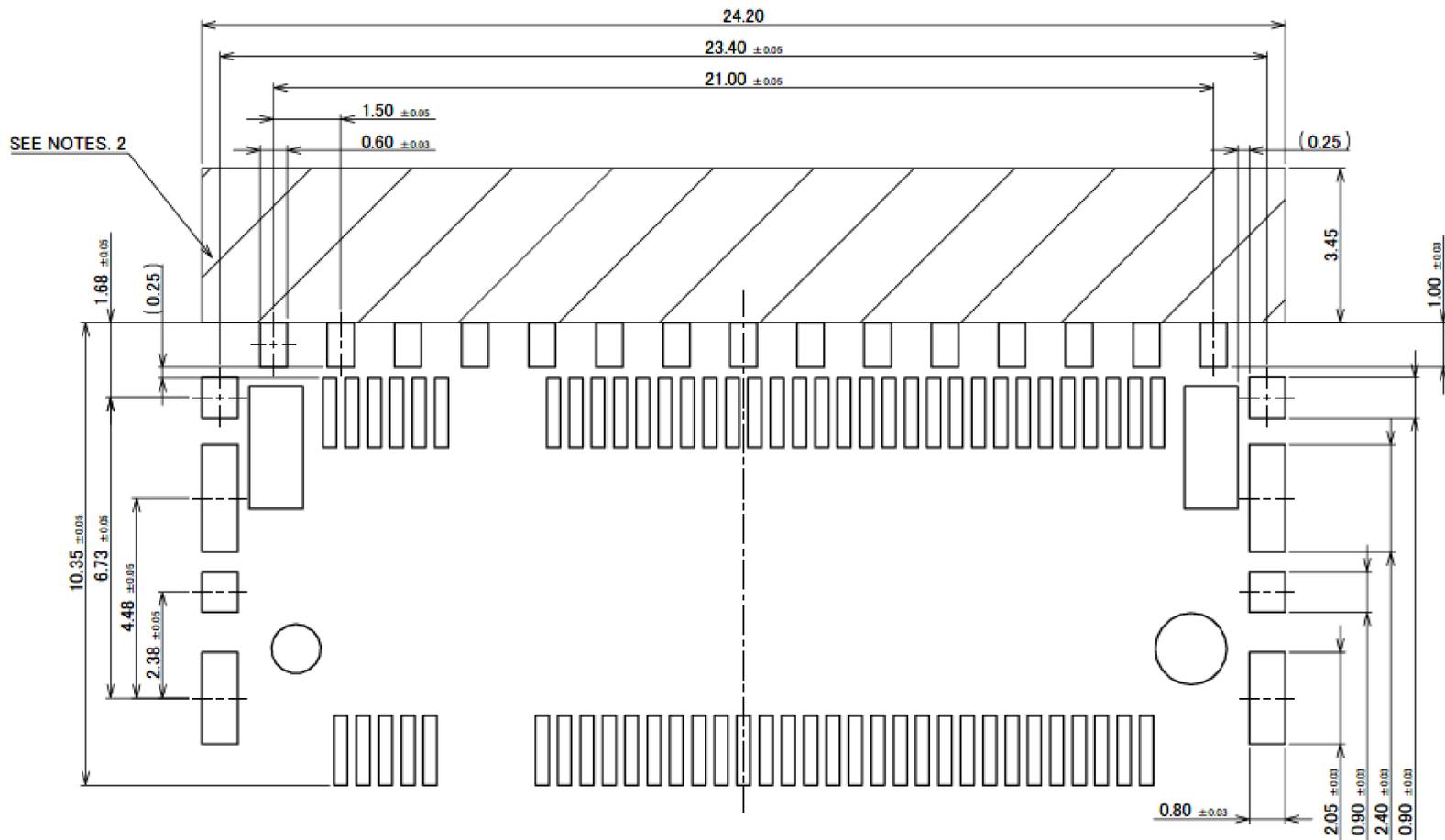


**RECOMMENDED PCB & METAL MASK LAYOUT**  
(CONTACT AND HOLD DOWN)  
METAL MASK THICKNESS : t=0.10 mm

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

Rev.0

# SX-M2

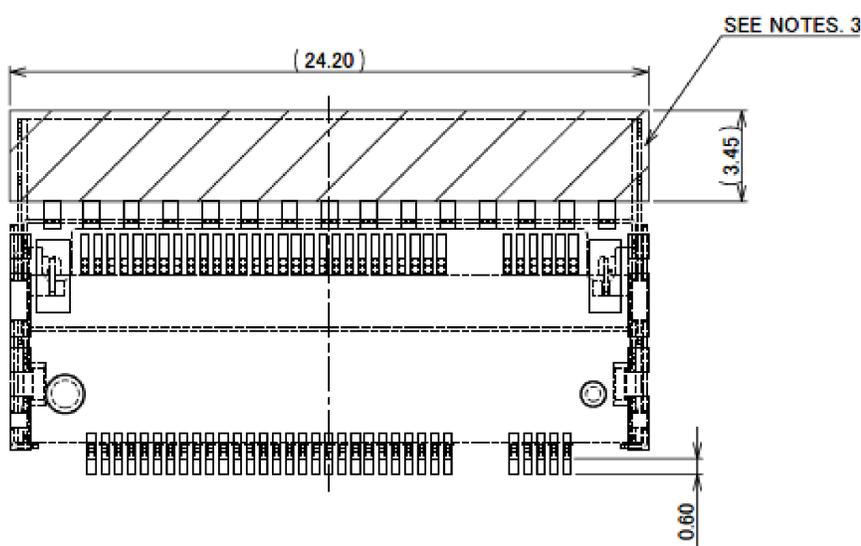


RECOMMENDED PCB & METAL MASK LAYOUT  
(SHIELD SHELL)  
METAL MASK THICKNESS : t=0.10 mm

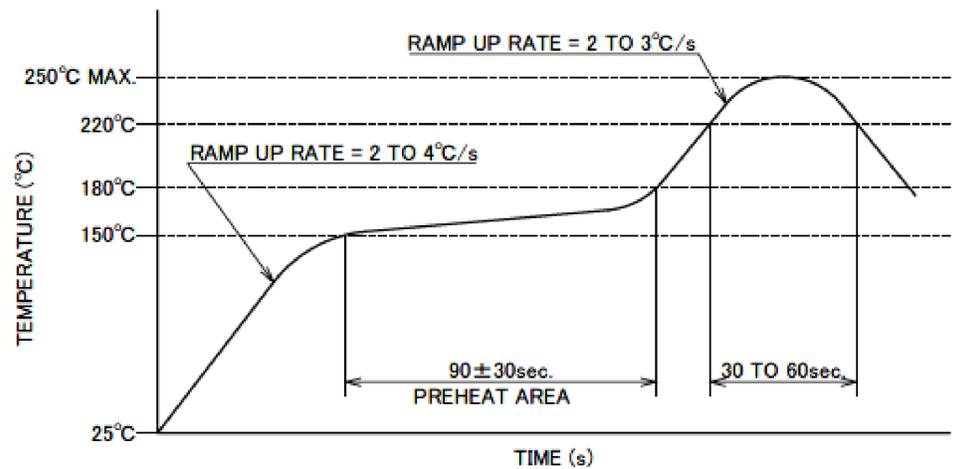
NOTES.

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



CABLINE® series

## Micro-Coaxial/Twinaxial Connectors



## Wire-to-Board Connectors/Terminals

AP series

ISH® series



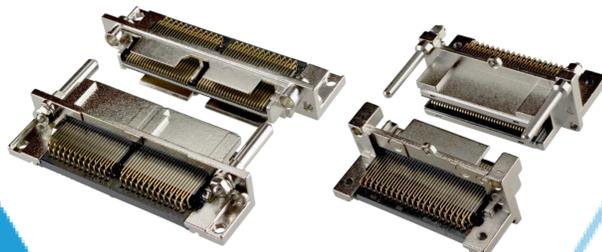
NOVASTACK® series



## Board-to-Board Connectors



## I/O Connectors



MINIDOCK™ series

MINIFLEX® series EVAFLEX® series



## FPC/FFC Connectors



Inquiry



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