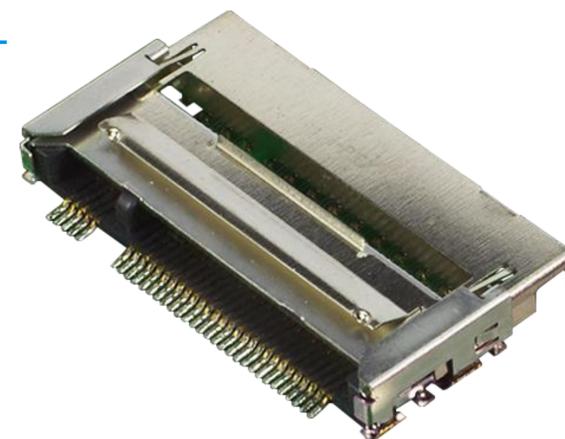


SX-M2

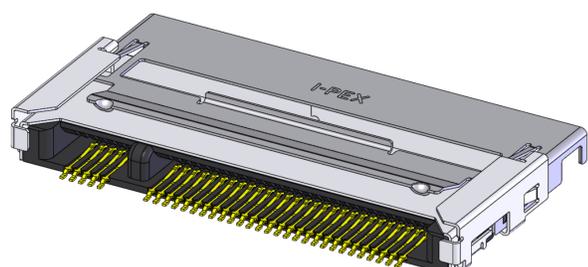
Shielded M.2 connector (Key B)
M.2 compliant



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)

▶ **Enhanced shielding structure on the M.2 connector for superior EMI suppression**



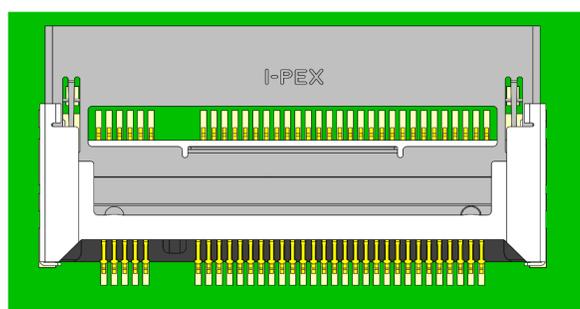
Reduce Noise Leakage Around Connector

	M.2 Connector	SX-M2
Simulation Model		
Simulation Results		

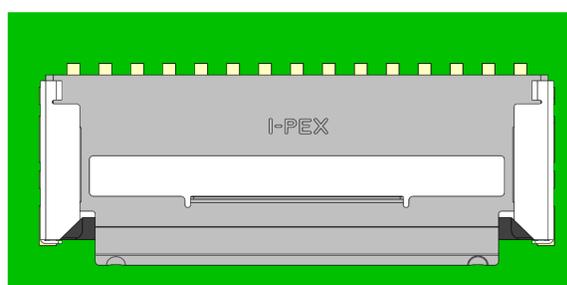
EMI leakage

No EMI leakage

▶ **The contact mounting area can be visually inspected**

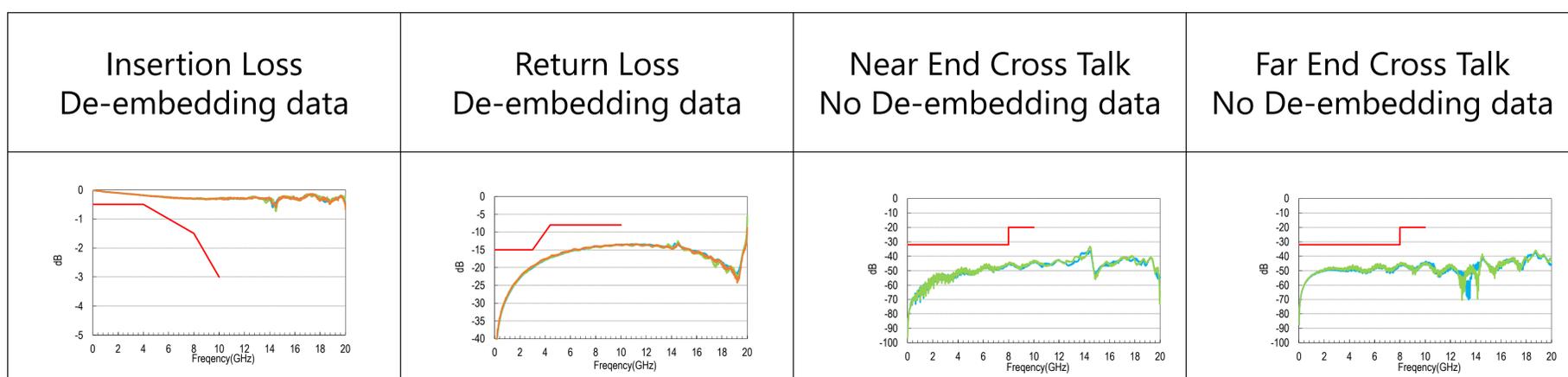


Contacts are visible for inspection when the cover is open



Closing the cover hides the contacts and provides EMI protection

▶ **M.2 compliant signal integrity performance**

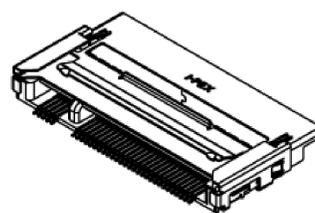
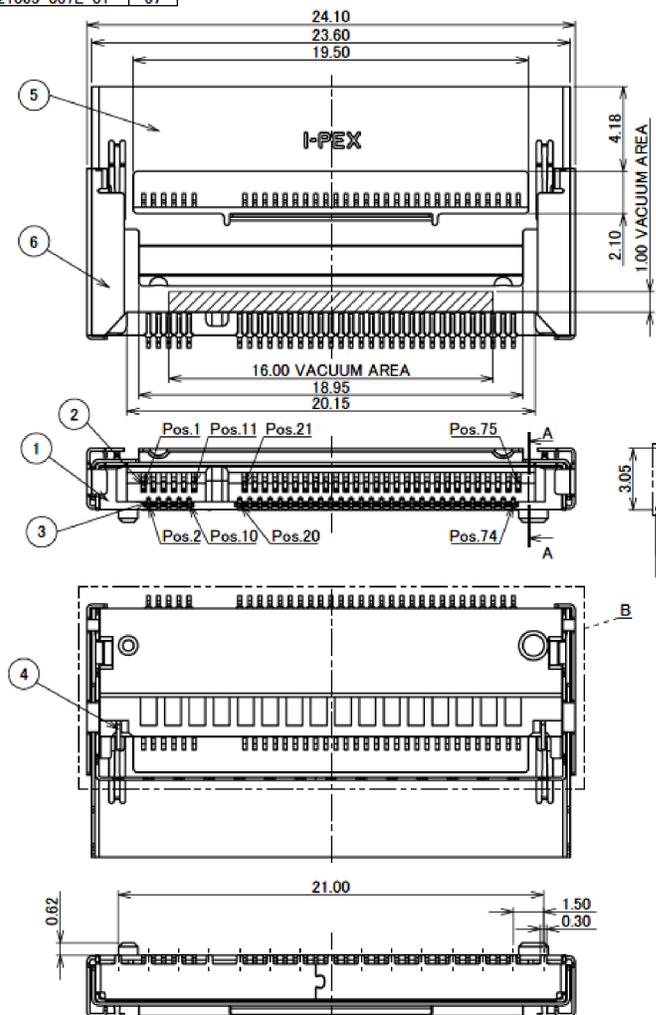


Simulation Results (Reference Data)

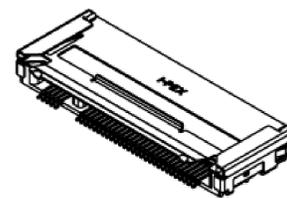
Component Parts Details

SX-M2

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



COVER OPEN
SHIPPING STATUS



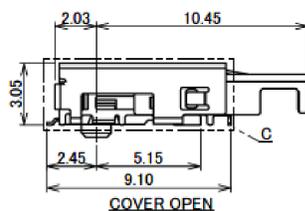
COVER CLOSE
READY TO INSERT CARD



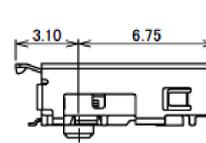
Halogen Free



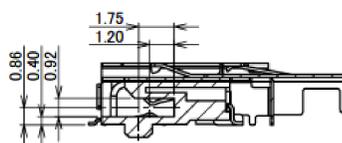
RoHS Compliant



COVER OPEN



COVER CLOSE



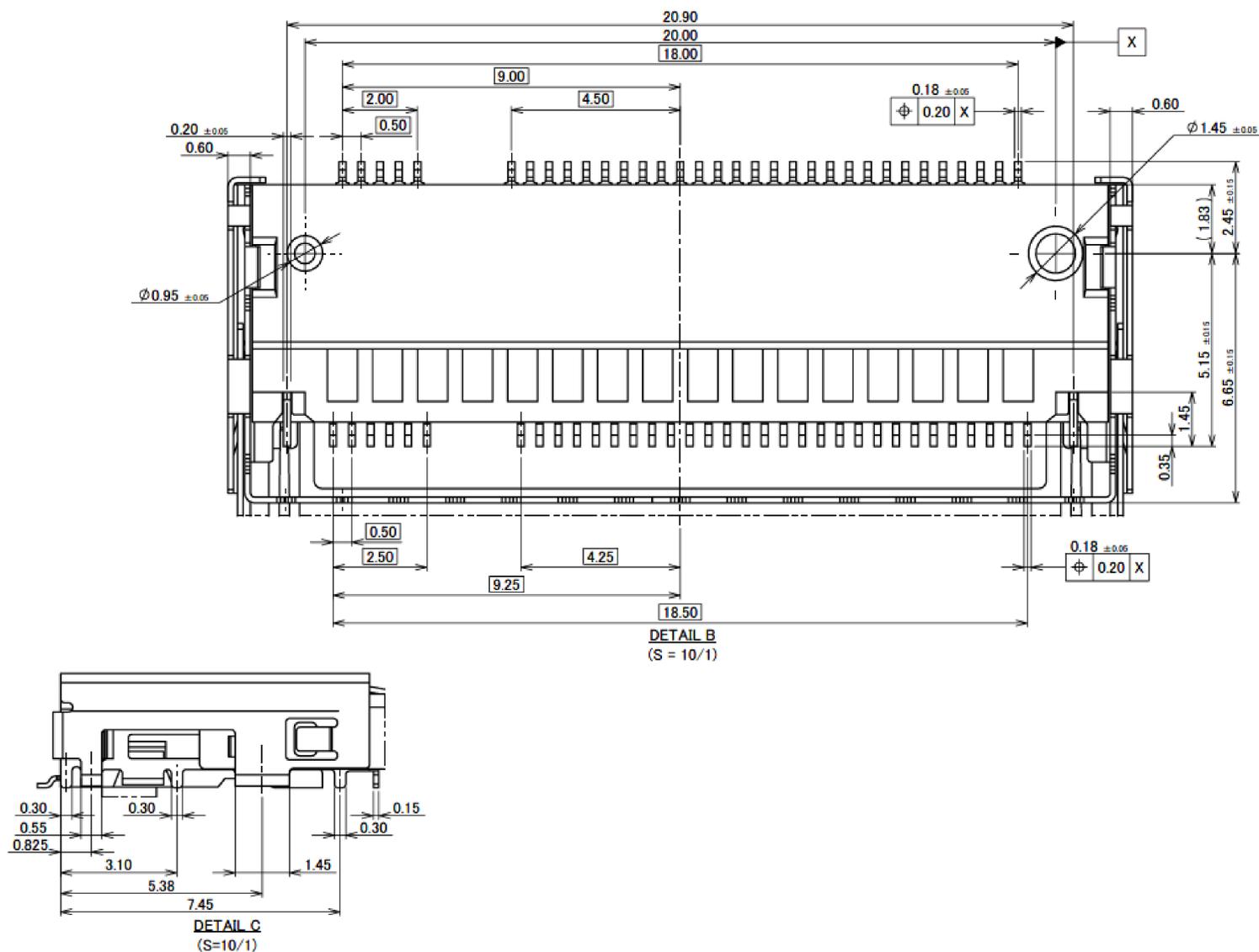
SECT. A-A

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

SX-M2

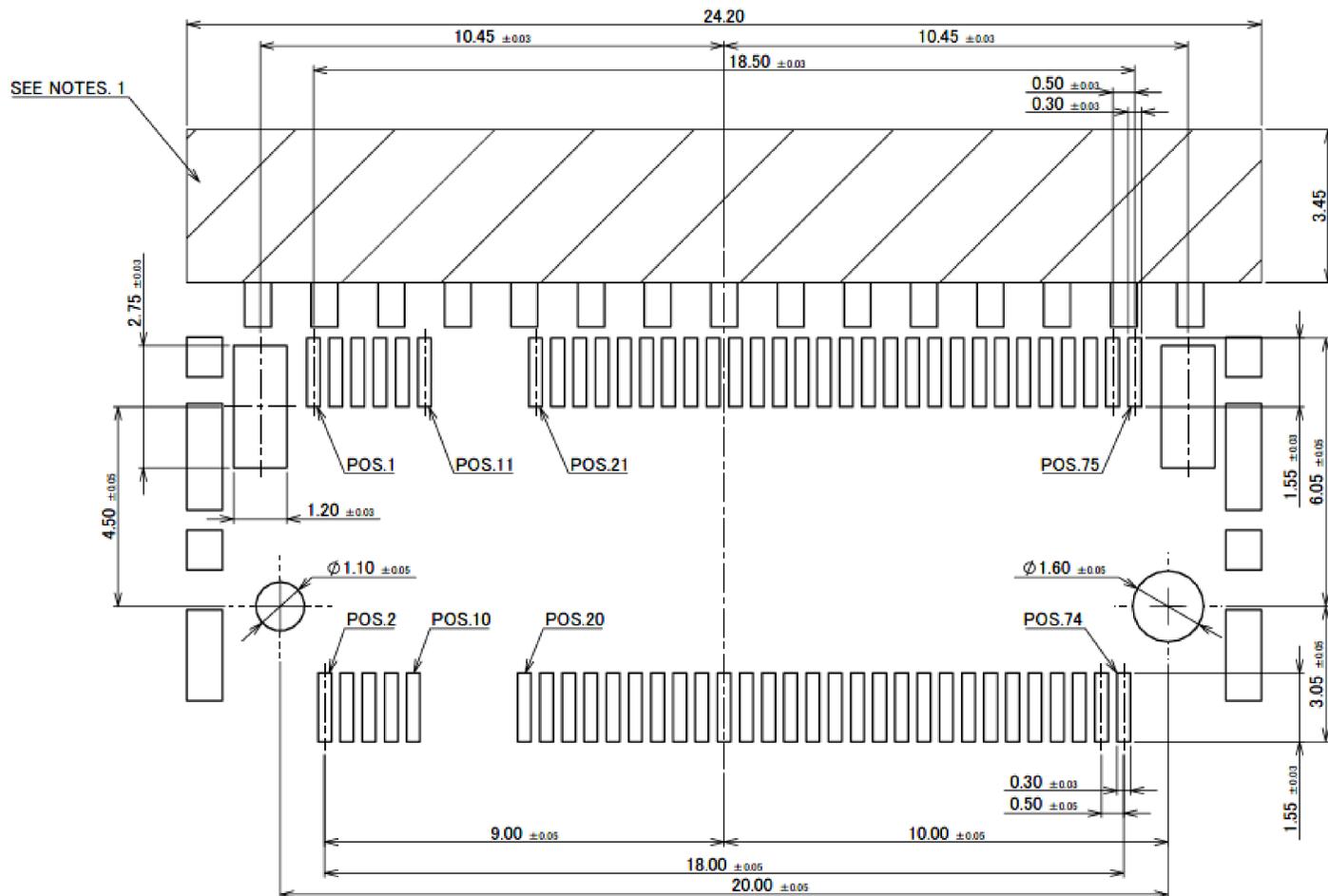
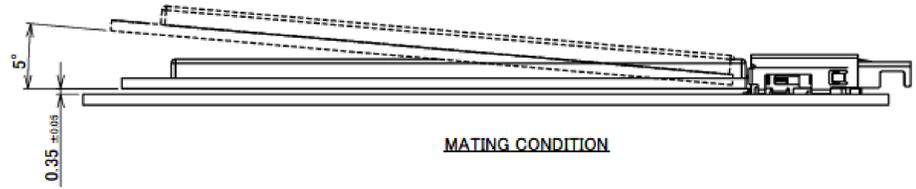
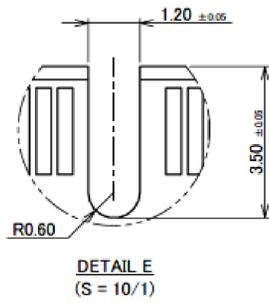
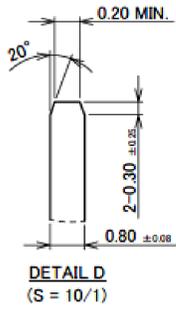
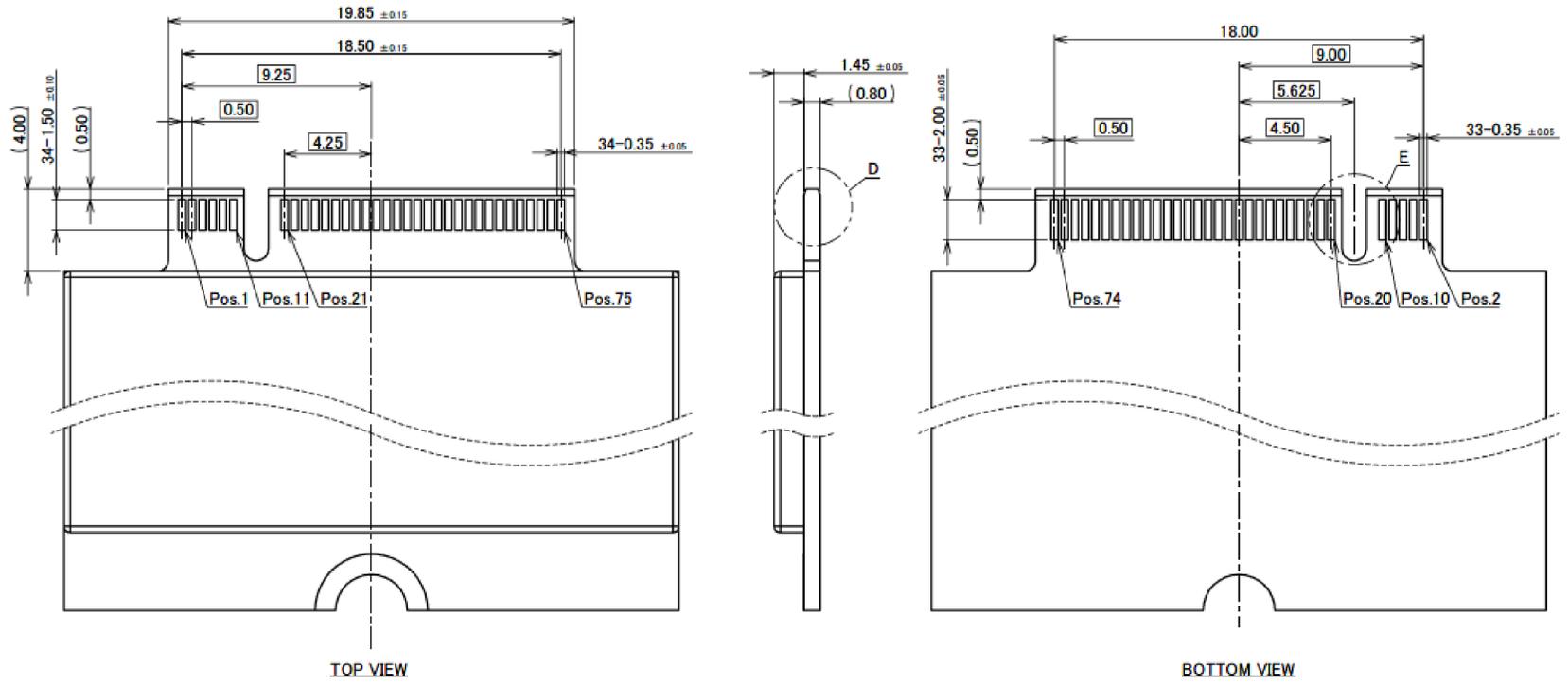
ITEMS	SPECIFICATION
RATED VOLTAGE	35V AC (PER CONTACT PIN)
RATED CURRENT	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	233 TO 353K (-40°C TO +80°C)
OPERATING HUMIDITY	95% MAX.
CONTACT RESISTANCE	INITIAL : 55mohm MAX. / AFTER TEST : \triangle 20mohm MAX.
INSULATION RESISTANCE	500Mohm MIN.
DIELECTRIC 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

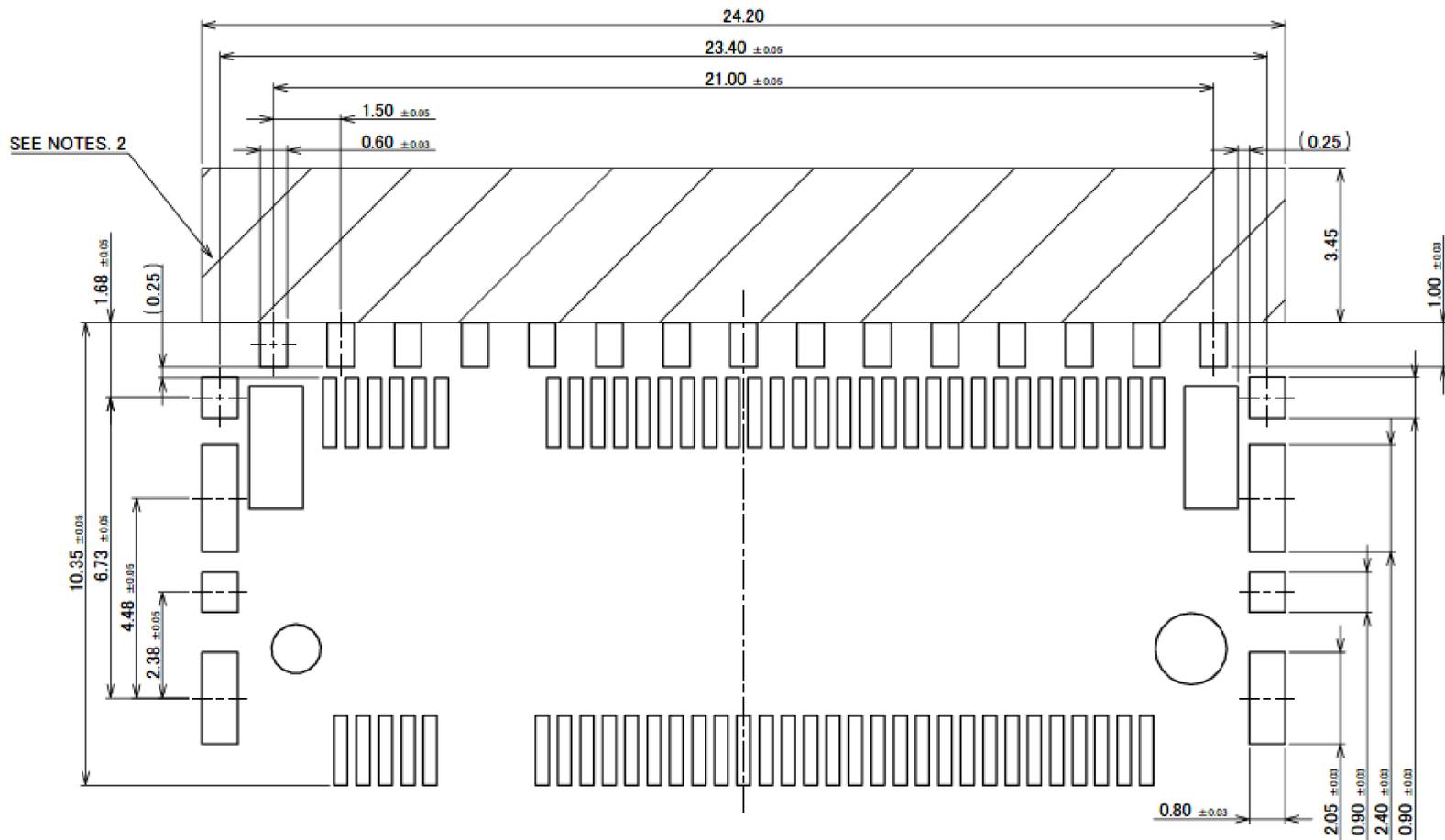


RECOMMENDED PCB & METAL MASK LAYOUT
(CONTACT AND HOLD DOWN)
METAL MASK THICKNESS : t=0.10 mm

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

Rev.0

SX-M2

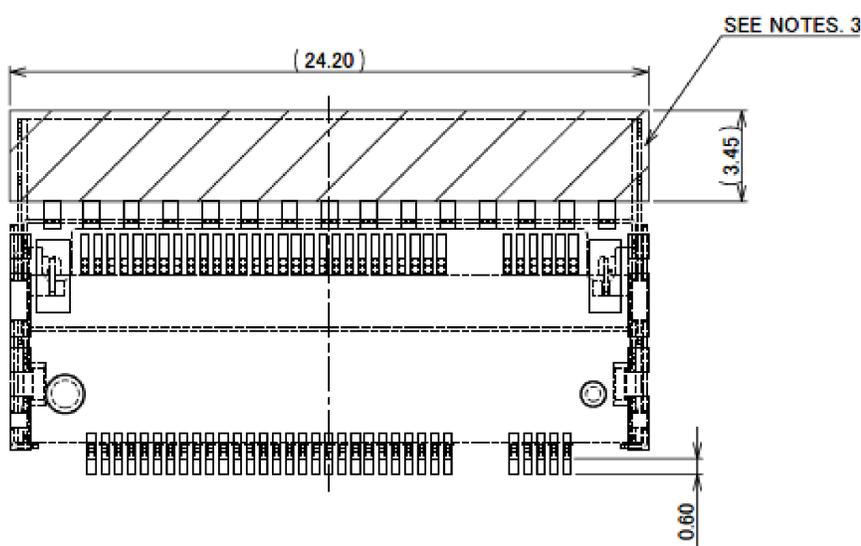


RECOMMENDED PCB & METAL MASK LAYOUT
(SHIELD SHELL)
METAL MASK THICKNESS : t=0.10 mm

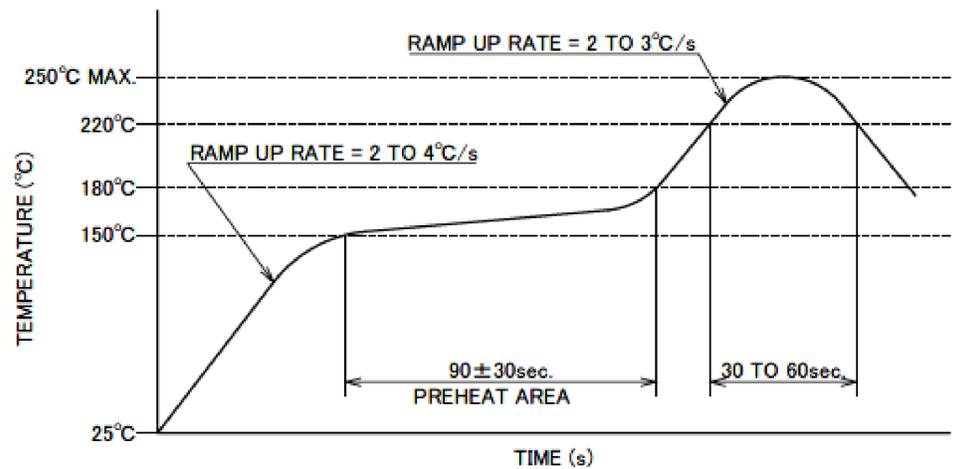
NOTES.

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



CABLINA® series

Micro-Coaxial/Twinaxial Connectors



Wire-to-Board Connectors/Terminals

AP series



ISH® series



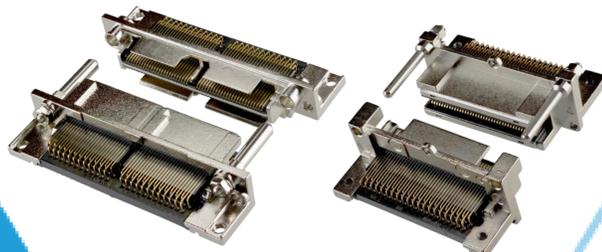
NOVASTACK® series



Board-to-Board Connectors



I/O Connectors



MINIDOCK™ series

MINIFLEX® series EVAFLEX® series



FPC/FFC Connectors



Inquiry



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