

2.4mm RF CONNECTOR

50GHz対応RF同軸コネクタ

- ✓ 外層の厚みを増し、コンタクトピンの強度を高めた堅牢なデザイン
- ✓ 変換アダプタから基板実装のアダプタまで多彩なラインナップ



Impedance: 50 ohm

Frequency Range: Up to 50 GHz

2.4mm RF CONNECTOR CONVERSION ADAPTER PLUG TO PLUG



VSWR (DC~50GHz) : 1.2 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 4 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

2.4mm RF CONNECTOR CONVERSION ADAPTER JACK TO JACK



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2.4mm RF CONNECTOR ENDLUNCH ADAPTER FOR PCB (PLUG)



VSWR (DC~50GHz) : 1.5 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 6 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

2.4mm RF CONNECTOR ENDLUNCH ADAPTER FOR PCB (JACK)



VSWR (DC~50GHz) : 1.5 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 6 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

2.4mm RF CONNECTOR ADAPTER FOR PCB (INNER LAYER)



VSWR (DC~50GHz) : 1.5 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 4 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

2.4mm RF CONNECTOR ADAPTER FOR PCB (OUTER LAYER)



VSWR (DC~50GHz) : 1.5 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 4 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

2.4mm RF CONNECTOR TERMINATION ADAPTER (PLUG)



Return loss : -20 dB Max.

Durability : 500 cycles Min.

2.4mm RF CONNECTOR TERMINATION ADAPTER (JACK)



Return loss : -20 dB Max.

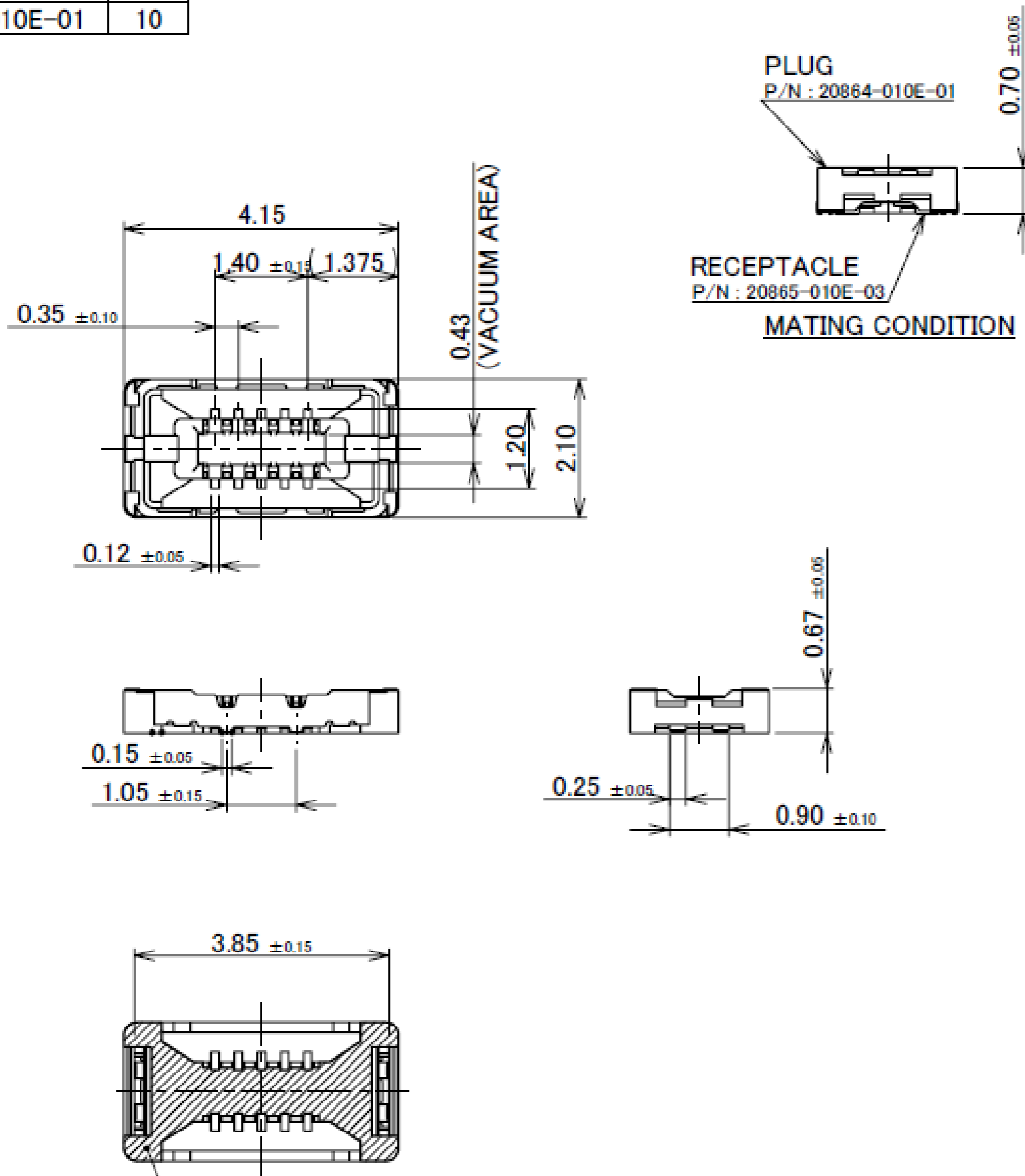
Durability : 500 cycles Min.

2.4 mm RF CONNECTOR

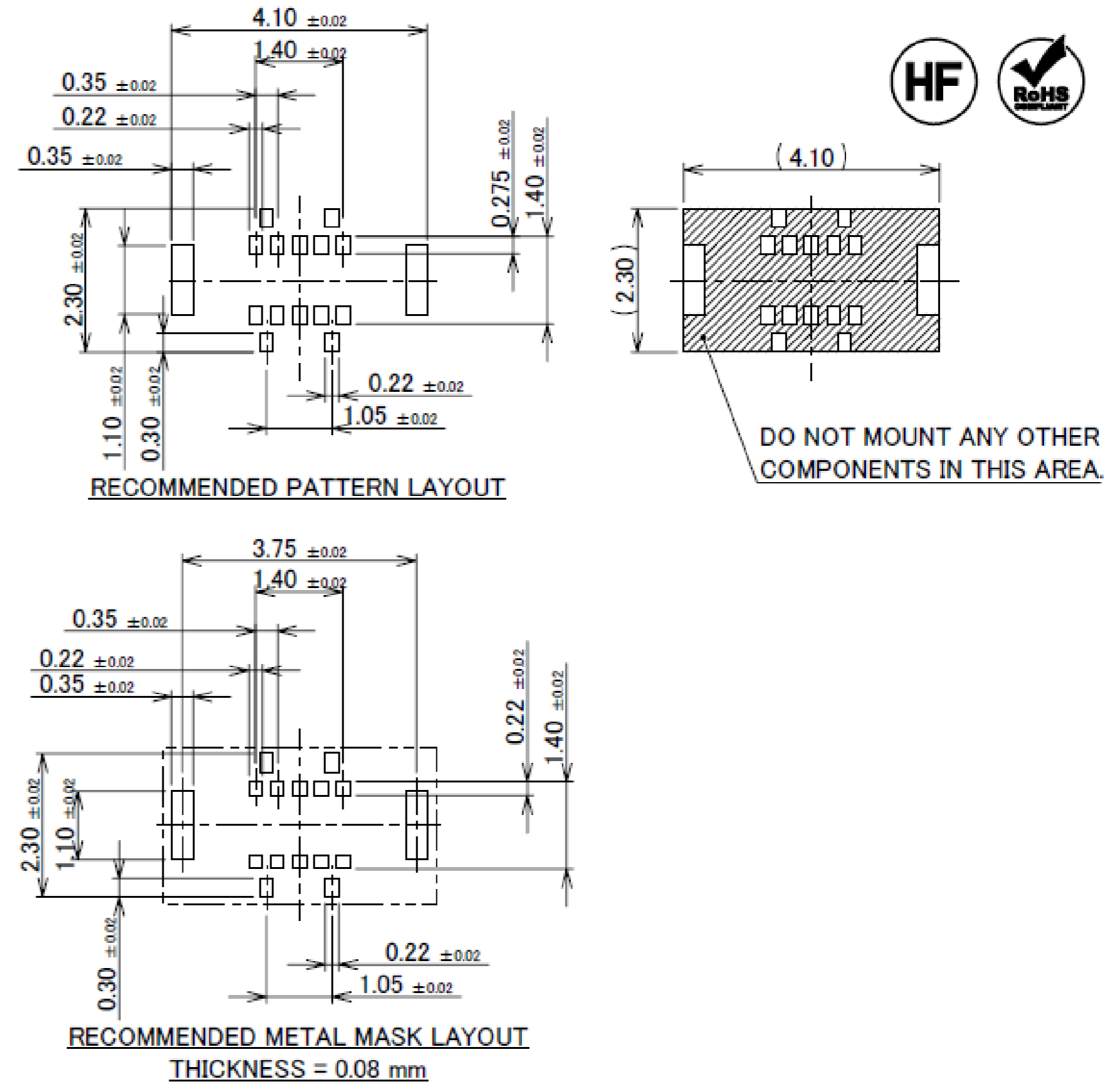
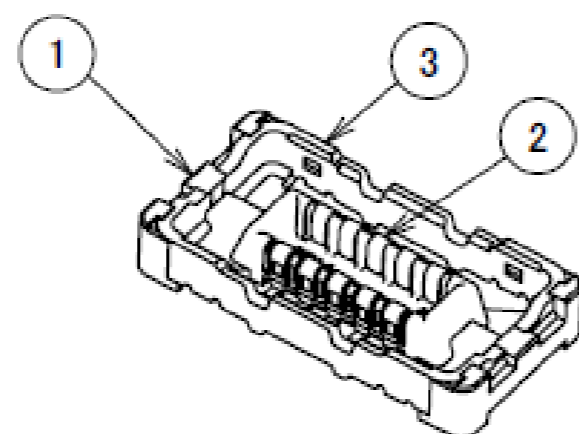
Component Parts Detail

Plug Assembly :

Recommended P/N		20864-010E-01
PART NO.	Pos.	
20864-010E-01	10	



There is a possibility of dent shape in the bottom surface of HOUSING.

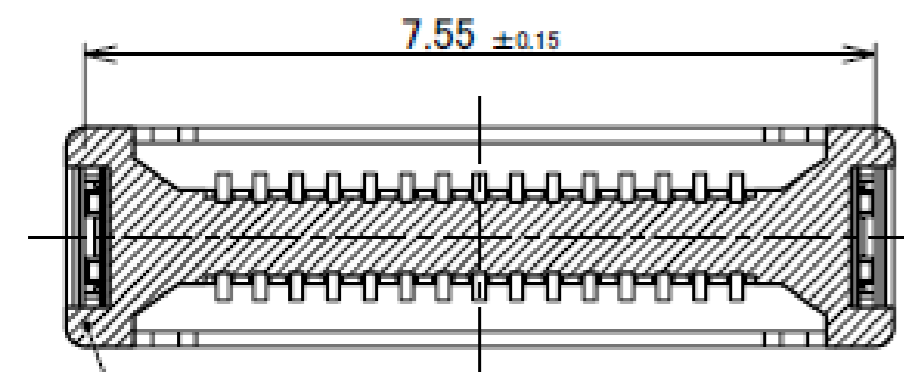
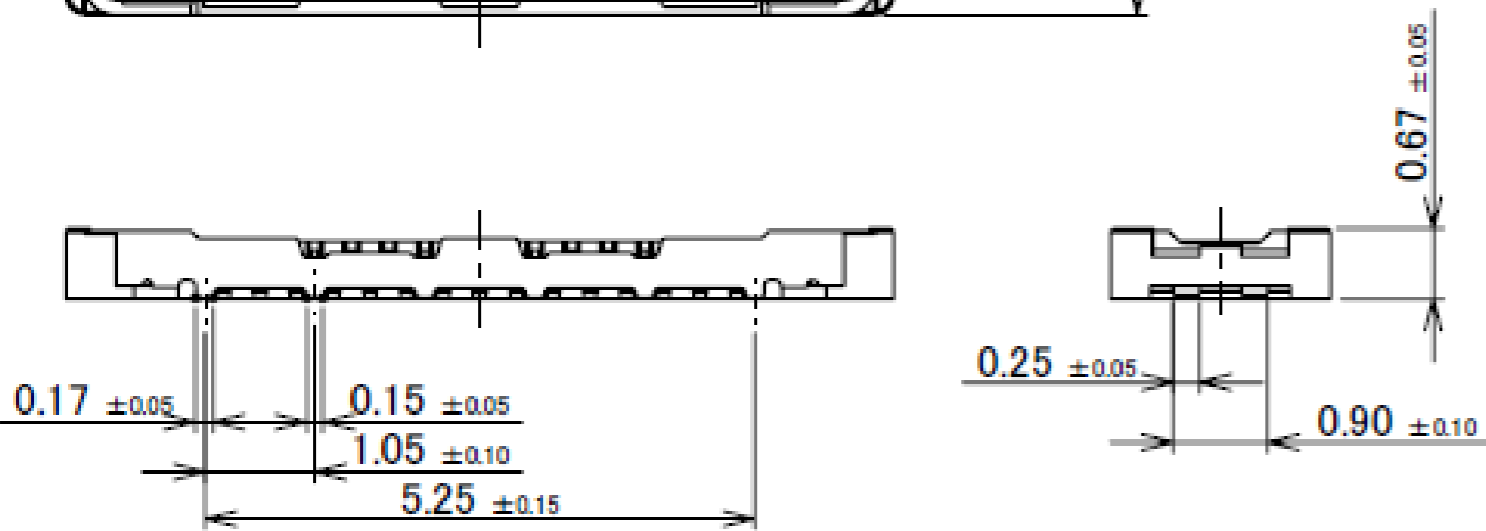
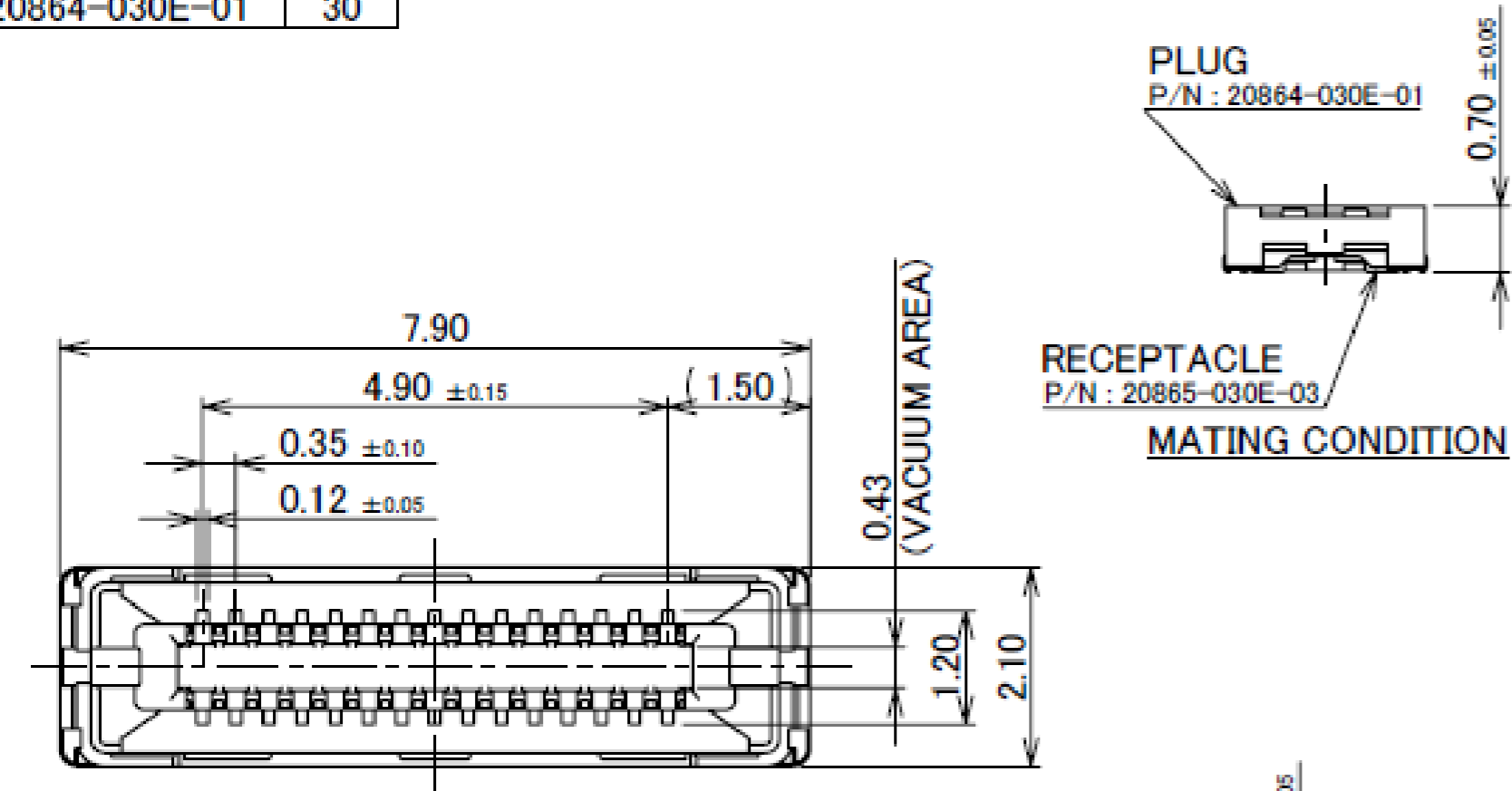


NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS
3	SHELL	COPPER ALLOY	SOLDERING PART Au 0.01 μm MIN. OVER Ni 1.27 μm MIN.
2	CONTACT	COPPER ALLOY	CONTACT PART Au 0.05 μm MIN. OVER Ni 1.27 μm MIN. SOLDERING PART Au 0.01 μm MIN. OVER Ni 1.27 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

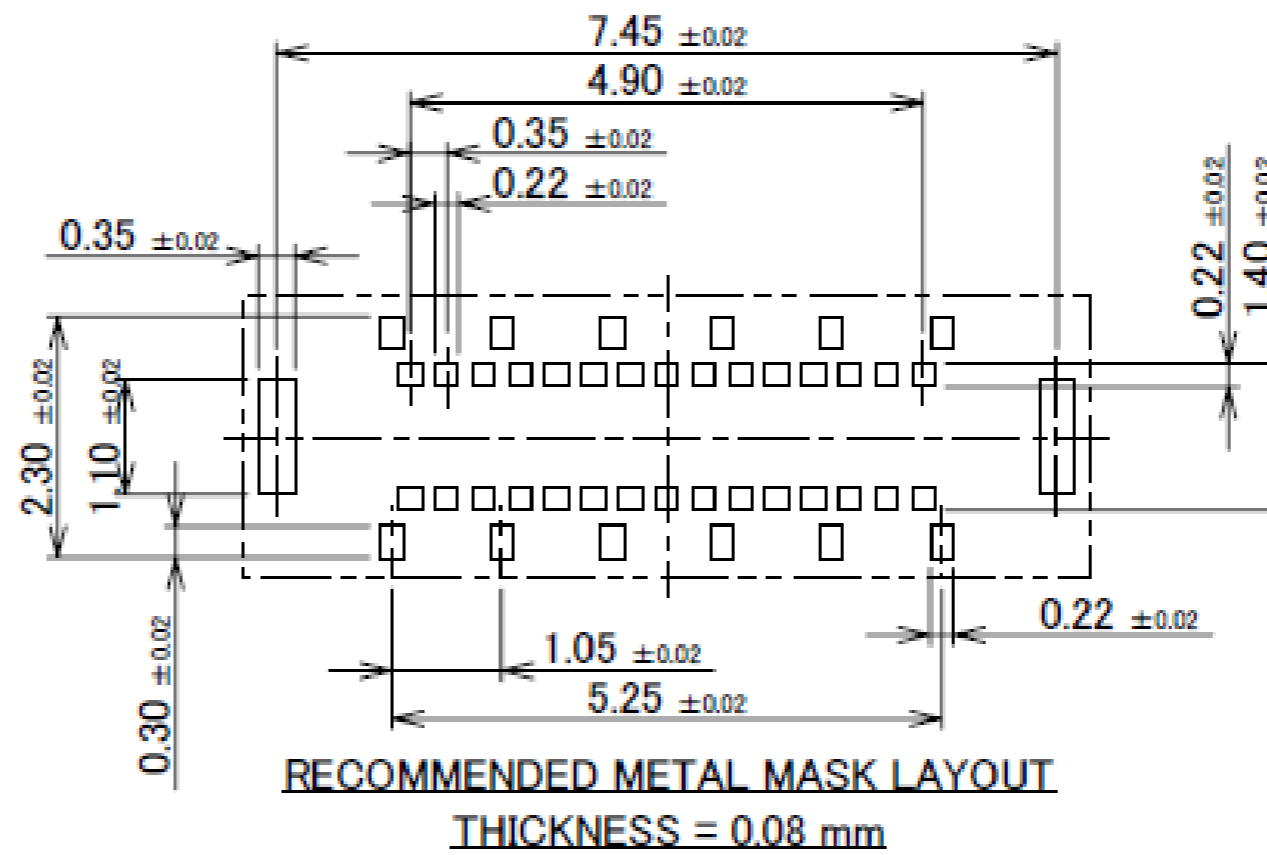
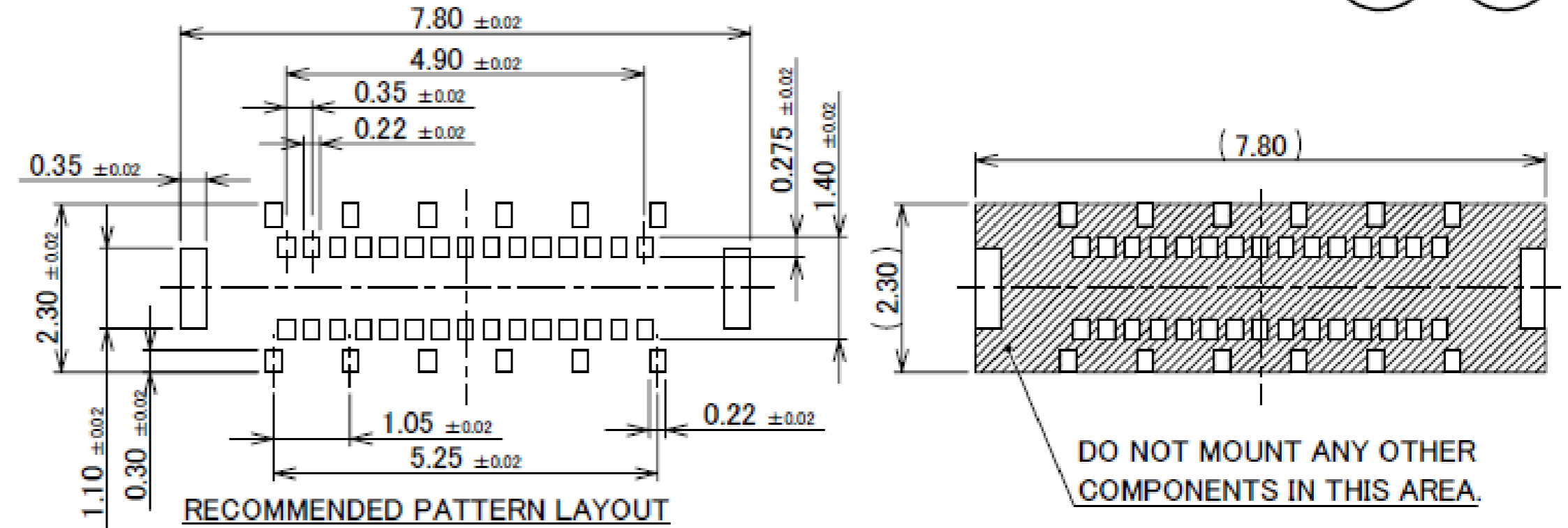
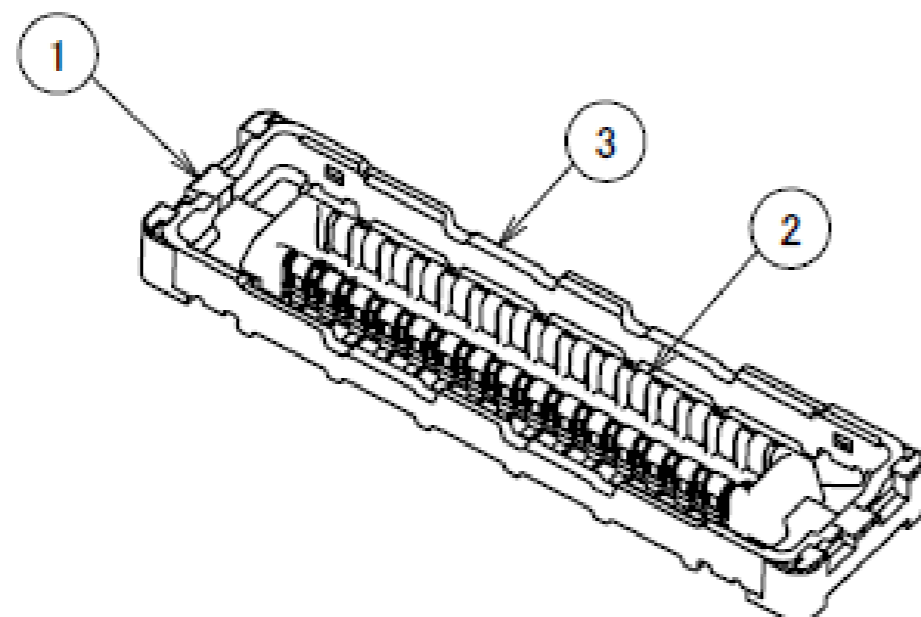
Plug Assembly :

Recommended P/N 20864-030E-01

PART NO.	Pos.
20864-030E-01	30

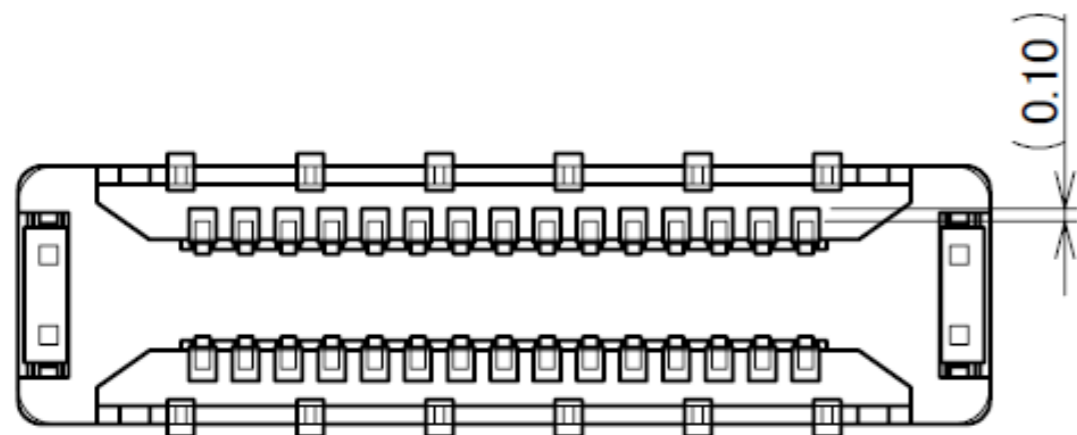


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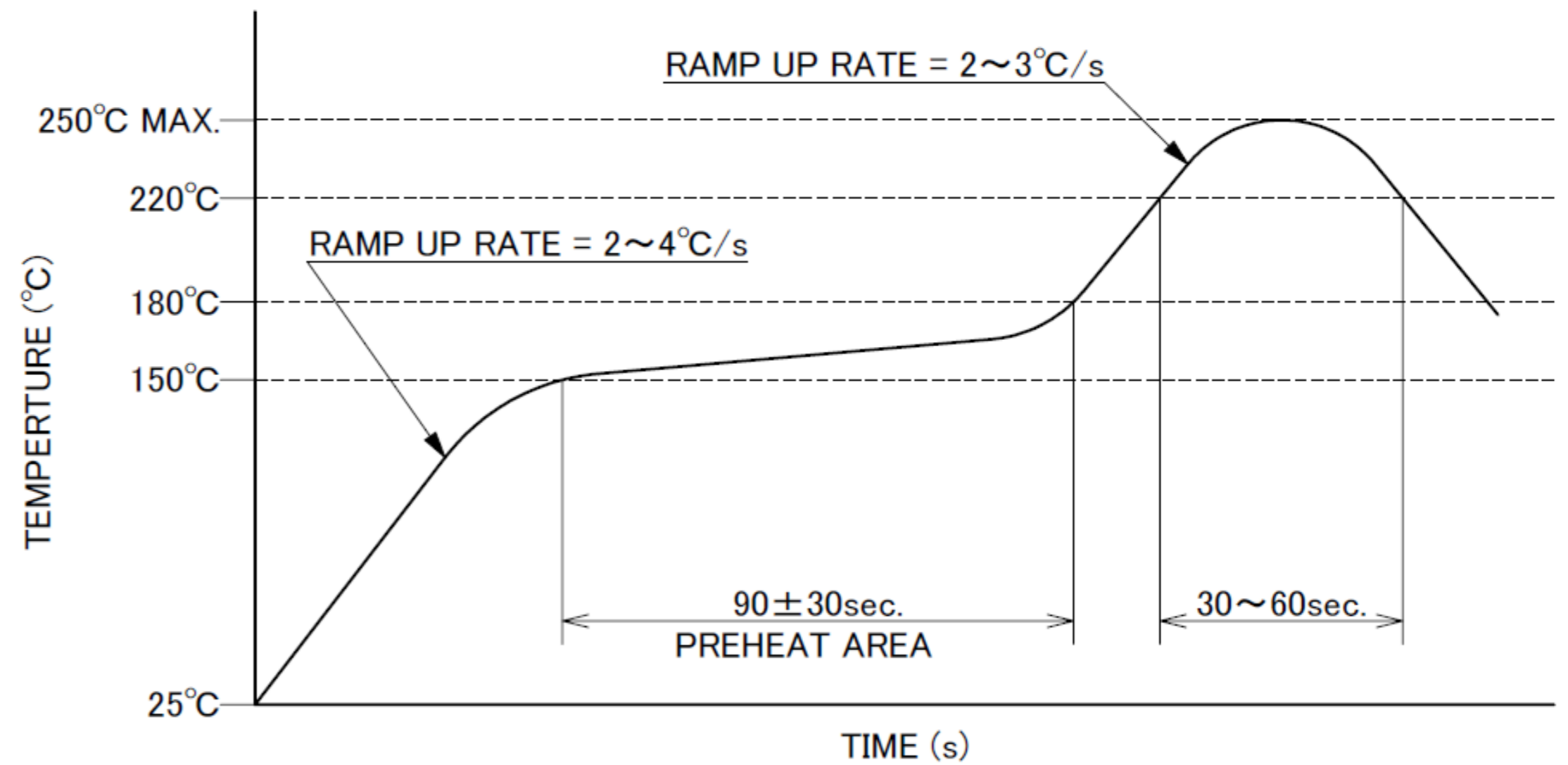


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1	HOUSING	LCP	UL94V-0, BLACK

Plug Assembly :



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



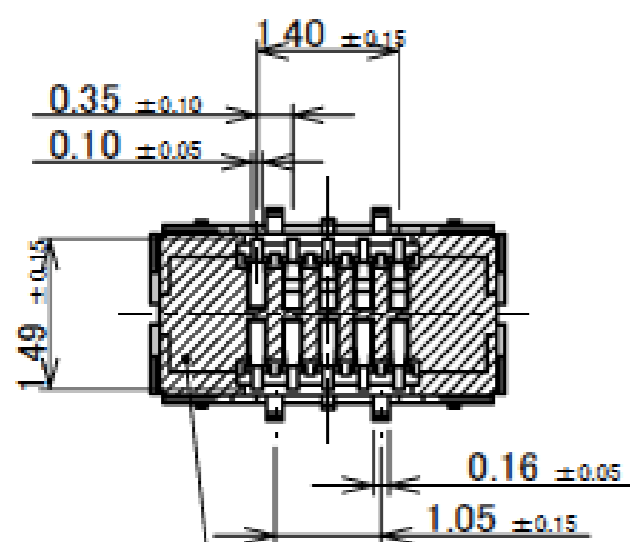
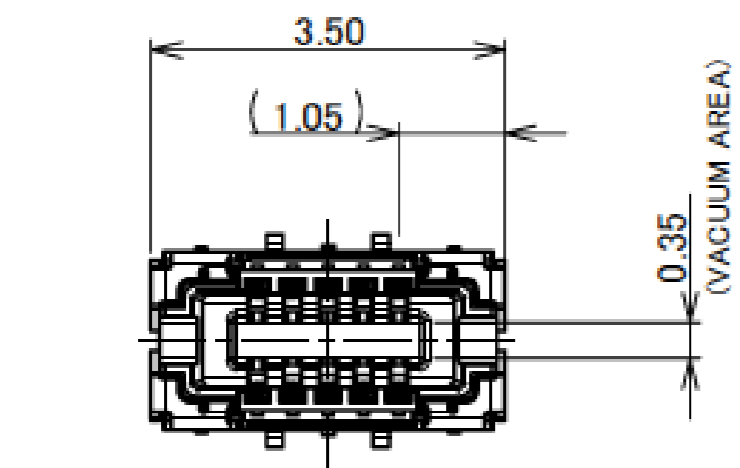
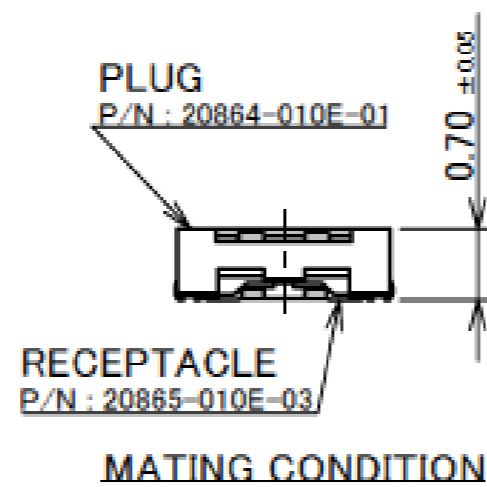
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

Plug Assembly :

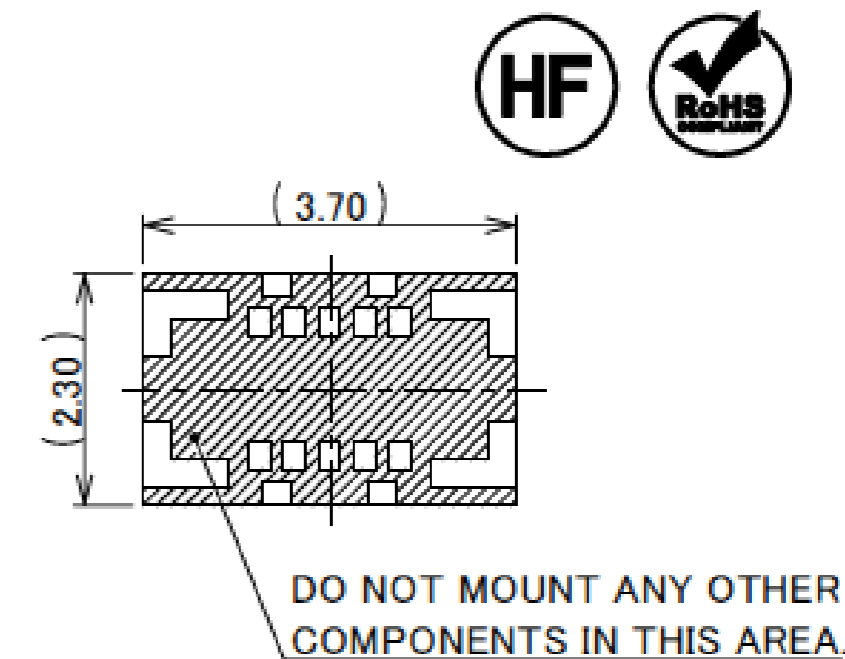
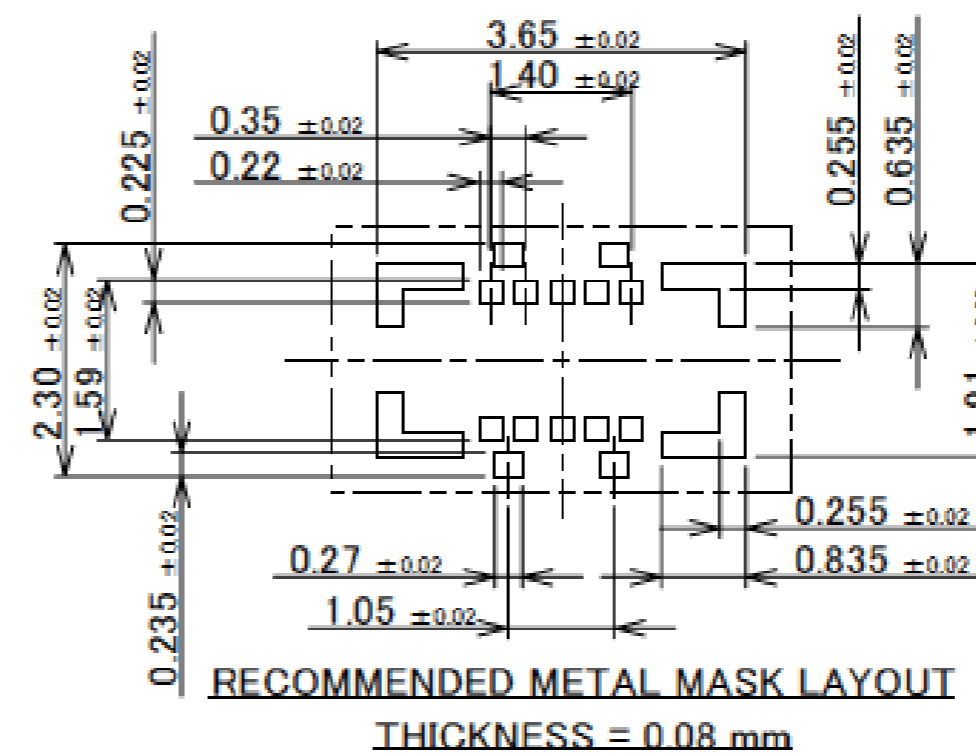
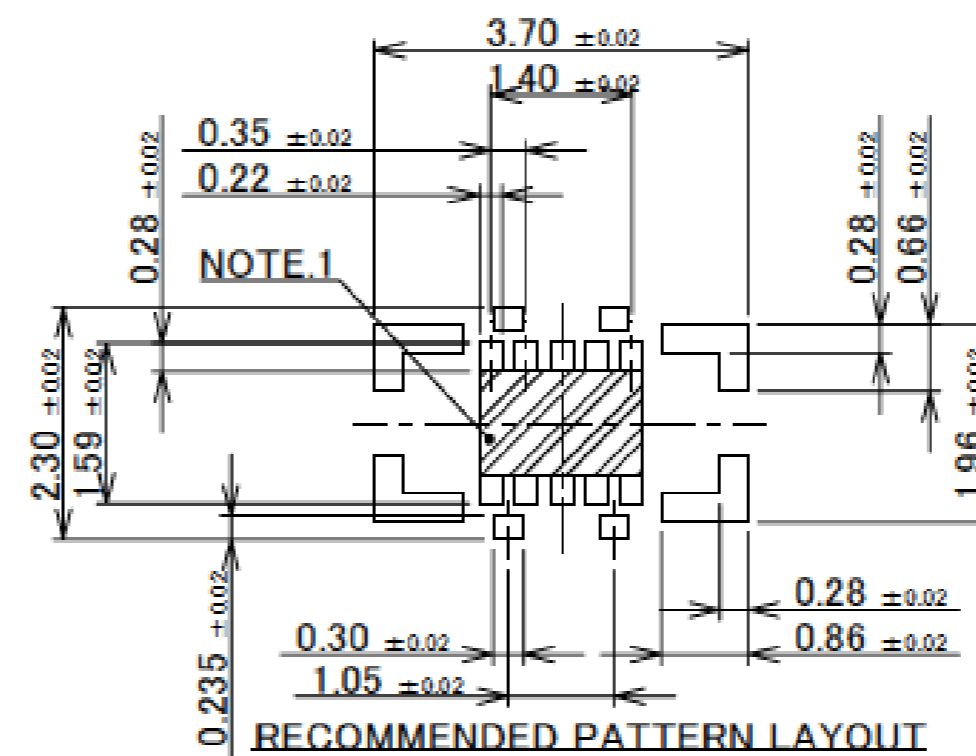
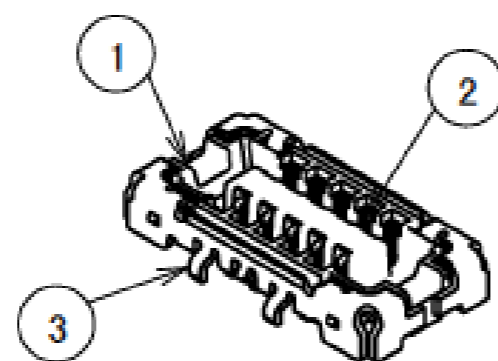
ITEMS	SPECIFICATION
RATING VOLTAGE	60V AC(r.m.s) / DC (PER A CONTACT)
RATING AMPERAGE (FOR SIGNAL CONTACT)	10P:1.0 A MAX. AC/DC x PIN COUNTS = 10.0 A (TOTAL) 12P AND OVER : 12.0 A AC/DC (TATAL)
OPERARING TEMPERATURE	233~358K(-40°C~85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENDING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 40mohm MAX. / AFTER TEST : \triangle 40mohm MAX.
CONTACT RESISTANCE (FOR GROUND)	INITIAL : 20mohm MAX. / AFTER TEST : \triangle 20mohm MAX.
INSULATION RESISTAMCE	INITIAL : 1,000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	10 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	INITIAL 2.0N/Pin MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	10 CYCLES 0.15N/Pin MIN.
COPLANARITY	0.08 MAX
PRODUCT SPECIFICATION	PRS-2607
TEST REPORT	TR-19055
PACKING STANDARD	PST-18022
INSTRUCTION MANUAL	HIM-18019
APPEARANCE CRITERIA No.	QLS-A***

Receptacle Assembly :

Recommended P/N		20865-010E-03
PART NO.	Pos.	
20865-010E-03	10	



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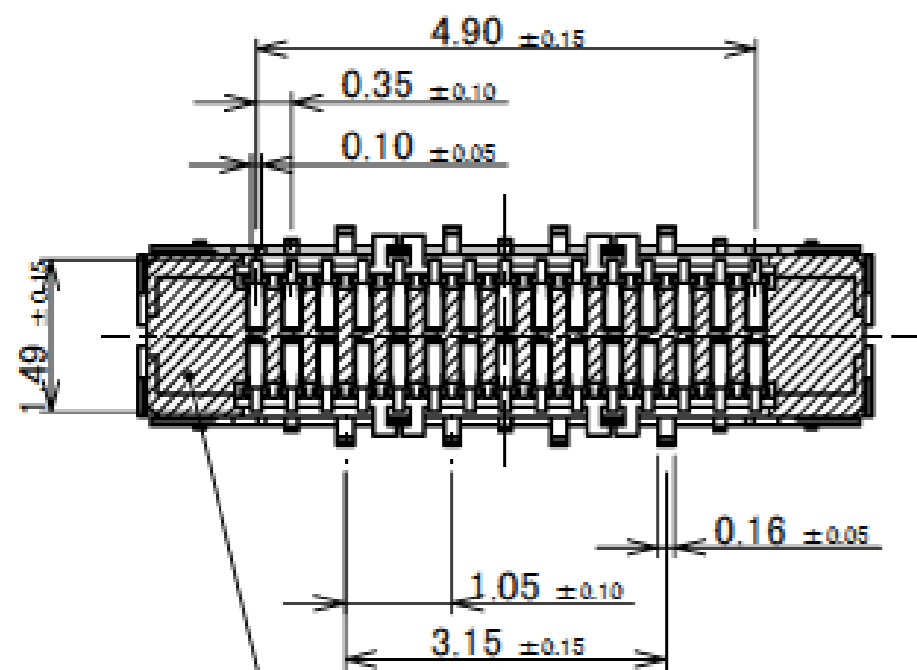
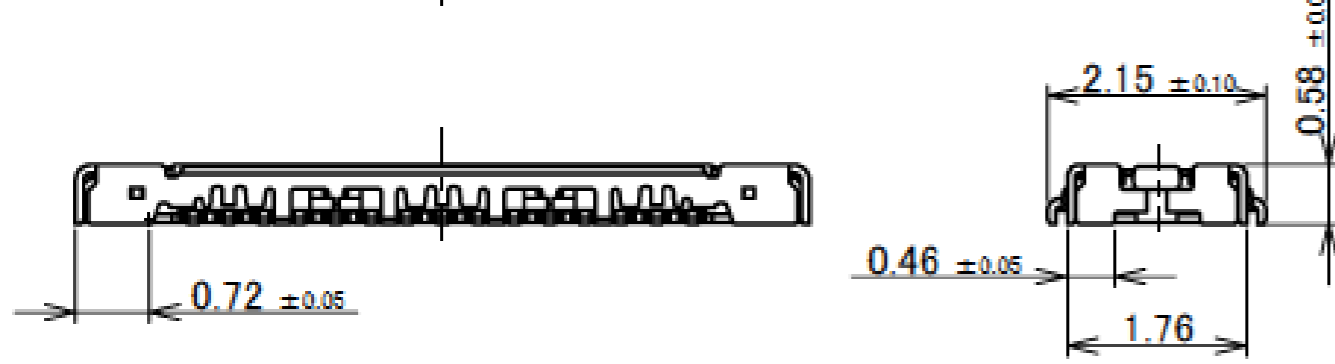
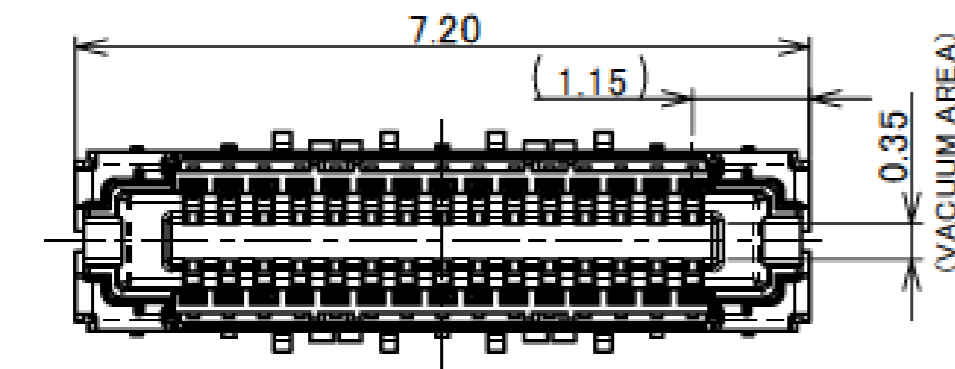
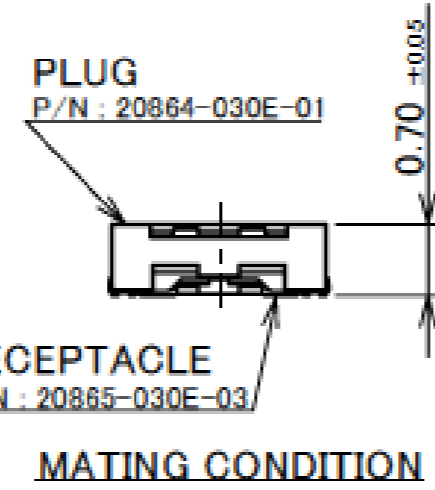
NOTES.

1. FOOT PRINT PATTERN PROHIBITION AREA :
SOLDER RESIST MUST BE APPLIED TO THIS HATCHED AREA
IF SURFACE TRACES ARE ROUNDED.

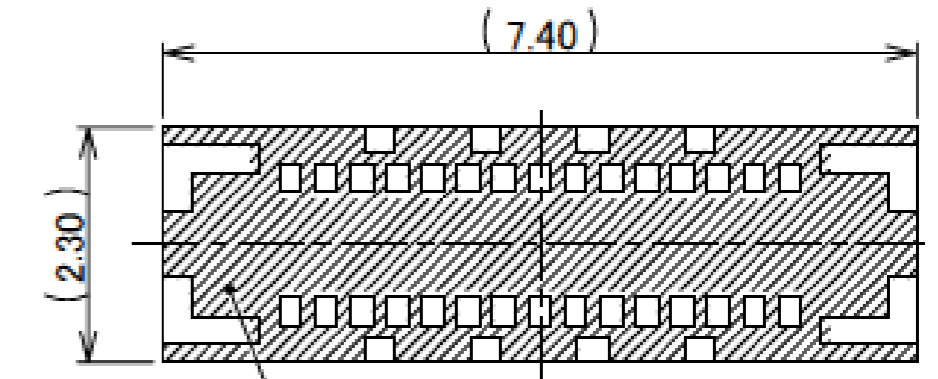
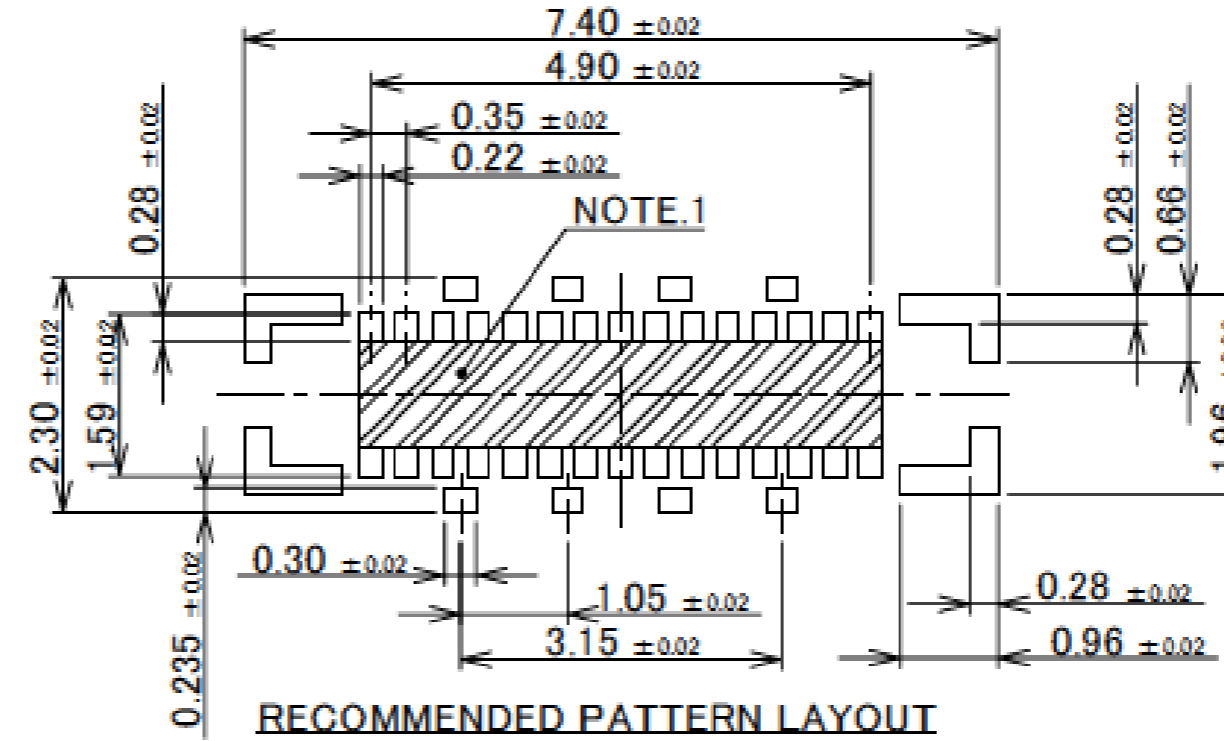
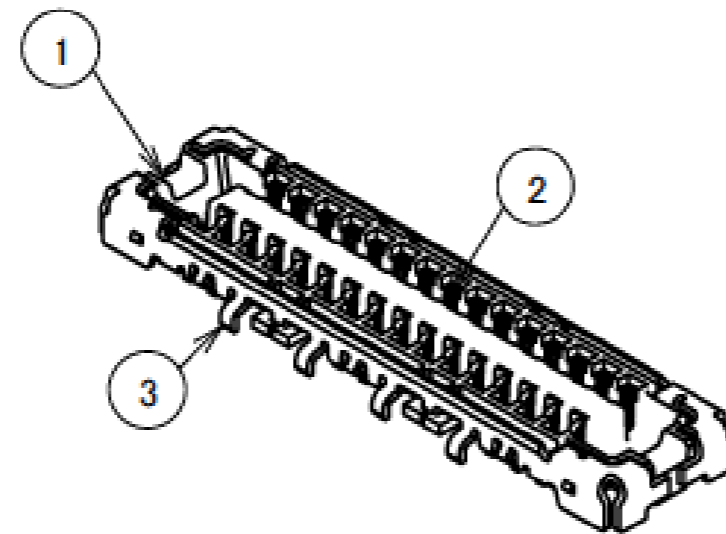
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1	HOUSING	LCP	UL94V-0 BLACK

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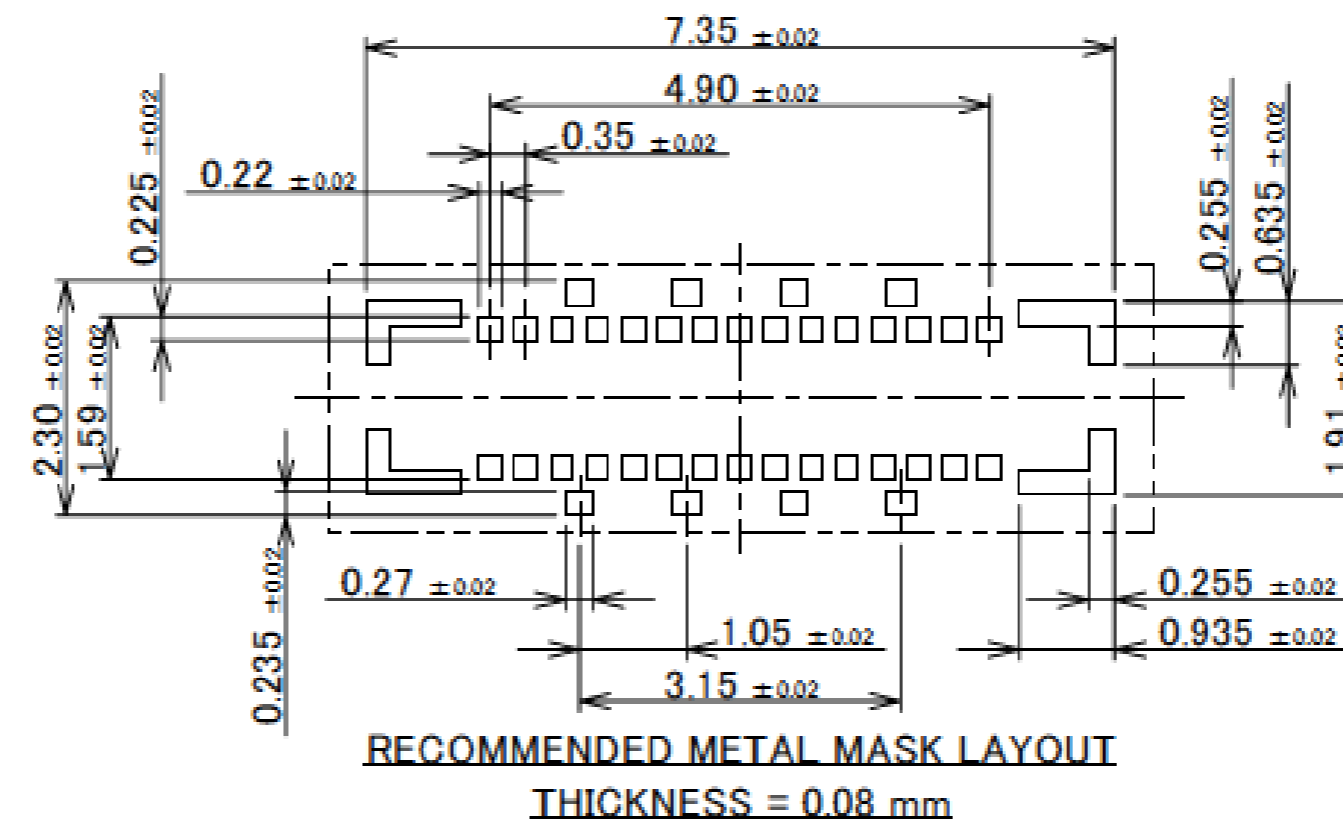
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PART NO.	Pos.	
20865-030E-03	30	



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DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA.

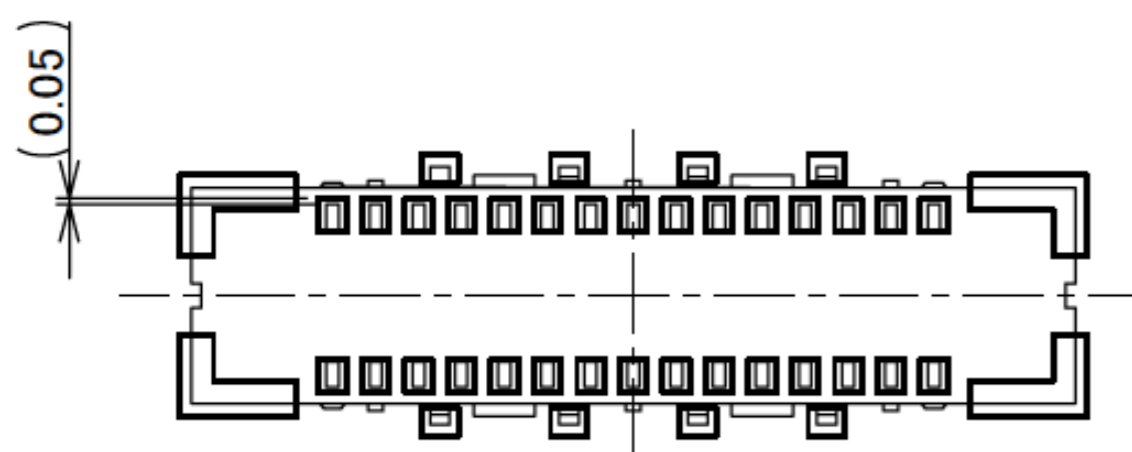


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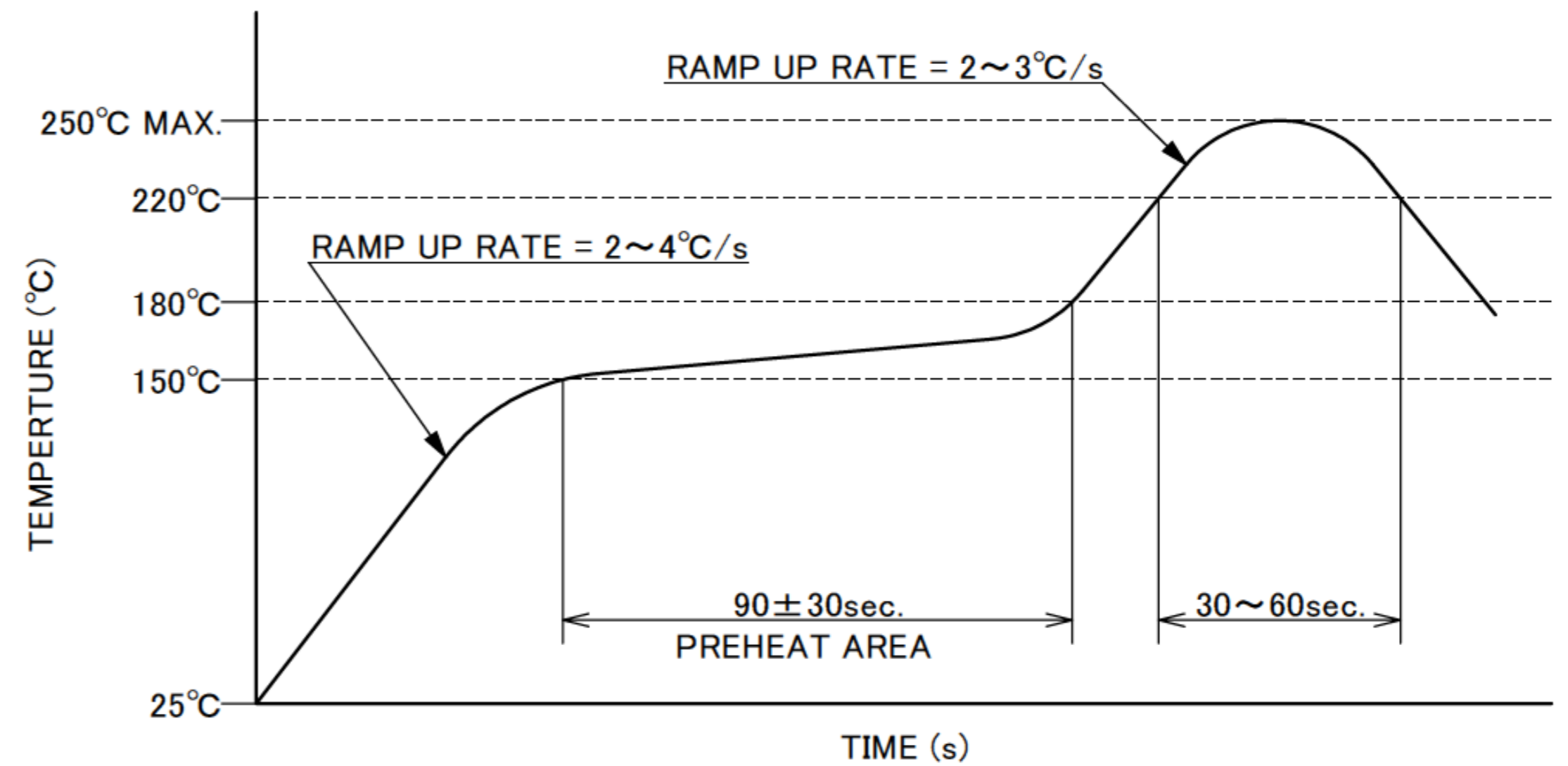
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CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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COPLANARITY	0.08 MAX.
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Contact your sales representative for more detailed information. [i-pex.com]