

# CABLINE®-CBL

較低嵌合高度(嵌合高度 = 0.825mm) · 機械鎖扣 · 帶屏蔽 · 多點接地設計 · 0.4mm間距, 水平插拔款的極細同軸線連接器

## Product Specifications:

Mating type	Horizontal	
Board Pitch (mm)	0.4	
Wiping Length (mm)	0.44	
Mated size (mm)	Height	0.825 +/- 0.15
	Width	Formula: 6.44 + (0.4*?p)
	Depth	5.44
Pin Counts	Range	Up to 40
	Available	30, 40

## Applicable Cable Size:

Maximum O.D. (mm)	0.4
Micro-Coaxial for Signal (AWG)	45 ohm: #40 or smaller wire 50 ohm: #40 or smaller wire
Twinax (AWG)	-
Discrete (AWG)	#36 or smaller wire

## Applicable Standards (Reference Only):

USB 3.1 Gen 1 (5 Gbps) V-By-One HS 1.4 (4 Gbps)  
HDMI 1.3 (3.4 Gbps)

\*若有規格外 Pin 數需求, 請與當地負責業務窗口聯繫。

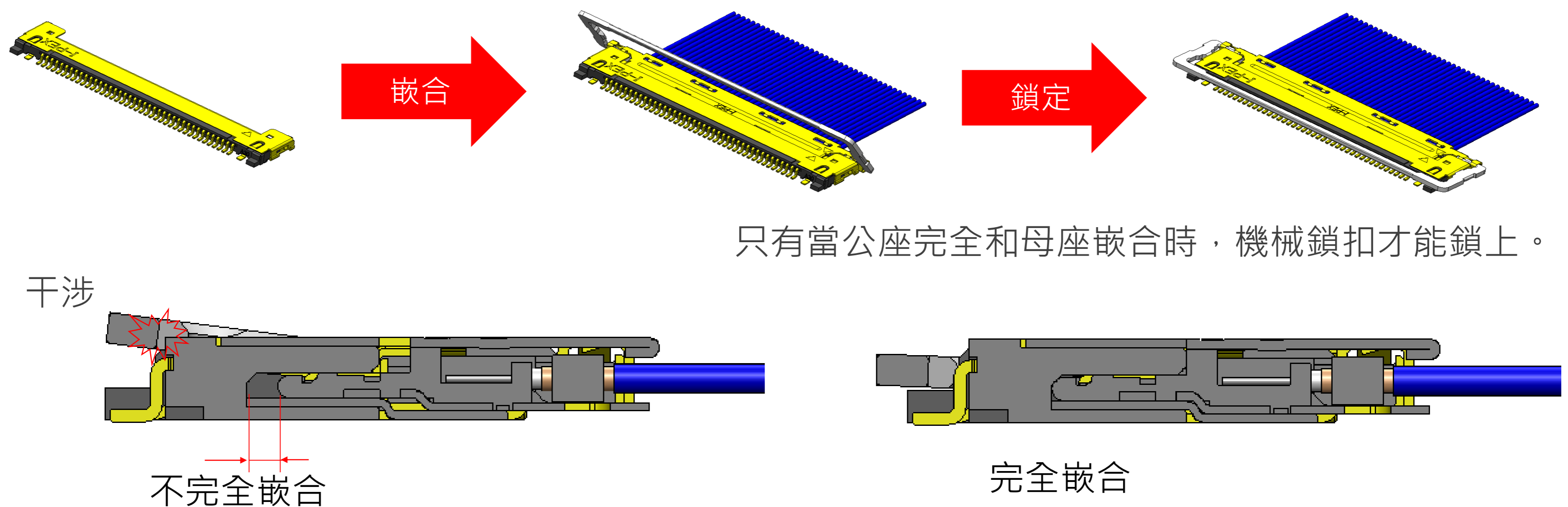
\*較低高度 0.4 mm 間距連接器 CABLINE®-CAL (組合高度: 最高0.8 mm) 也可提供。



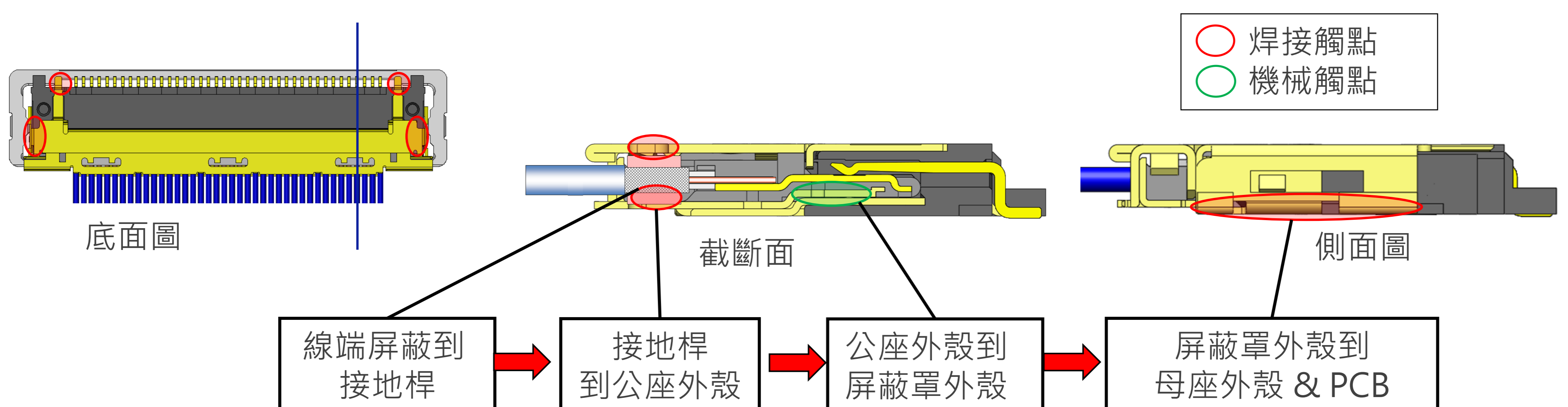
## 組合高度: 0.975mm max. 0.825mm nominal

CABLINE-CBL 40p			CABLINE-CAL 40p (低高度连接器)		
CABLINE-CBL 40p 公母座嵌合狀態尺寸 (mm)			CABLINE-CAL 40p 公母座嵌合狀態尺寸 (mm)		
宽度	深度	高度	宽度	深度	高度
22.44	5.44	0.825 (最高 0.975)	24.05	5.50	0.70 (最高 0.80)

## 機械鎖扣防止連接器不完全嵌合及脫落/未嵌合



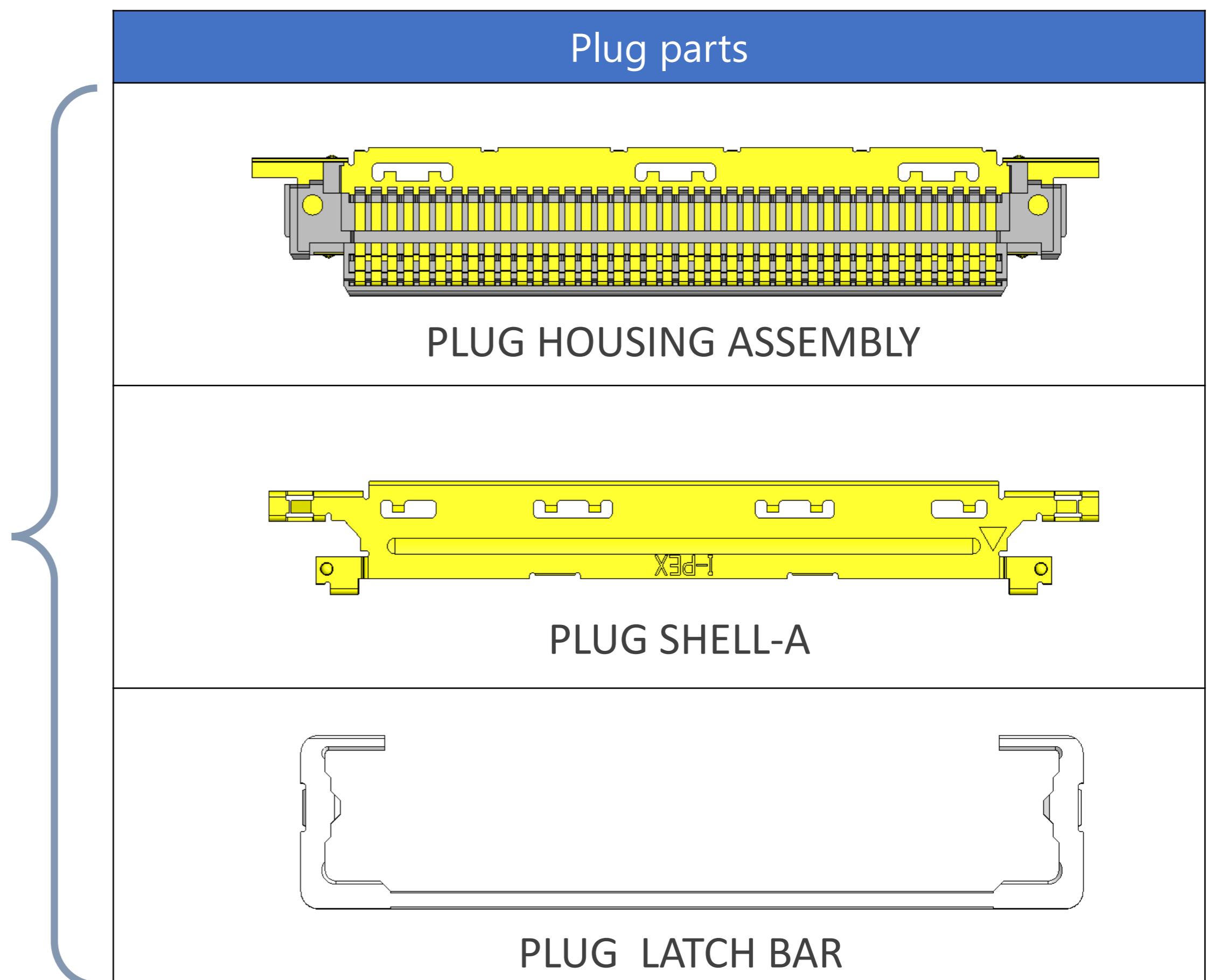
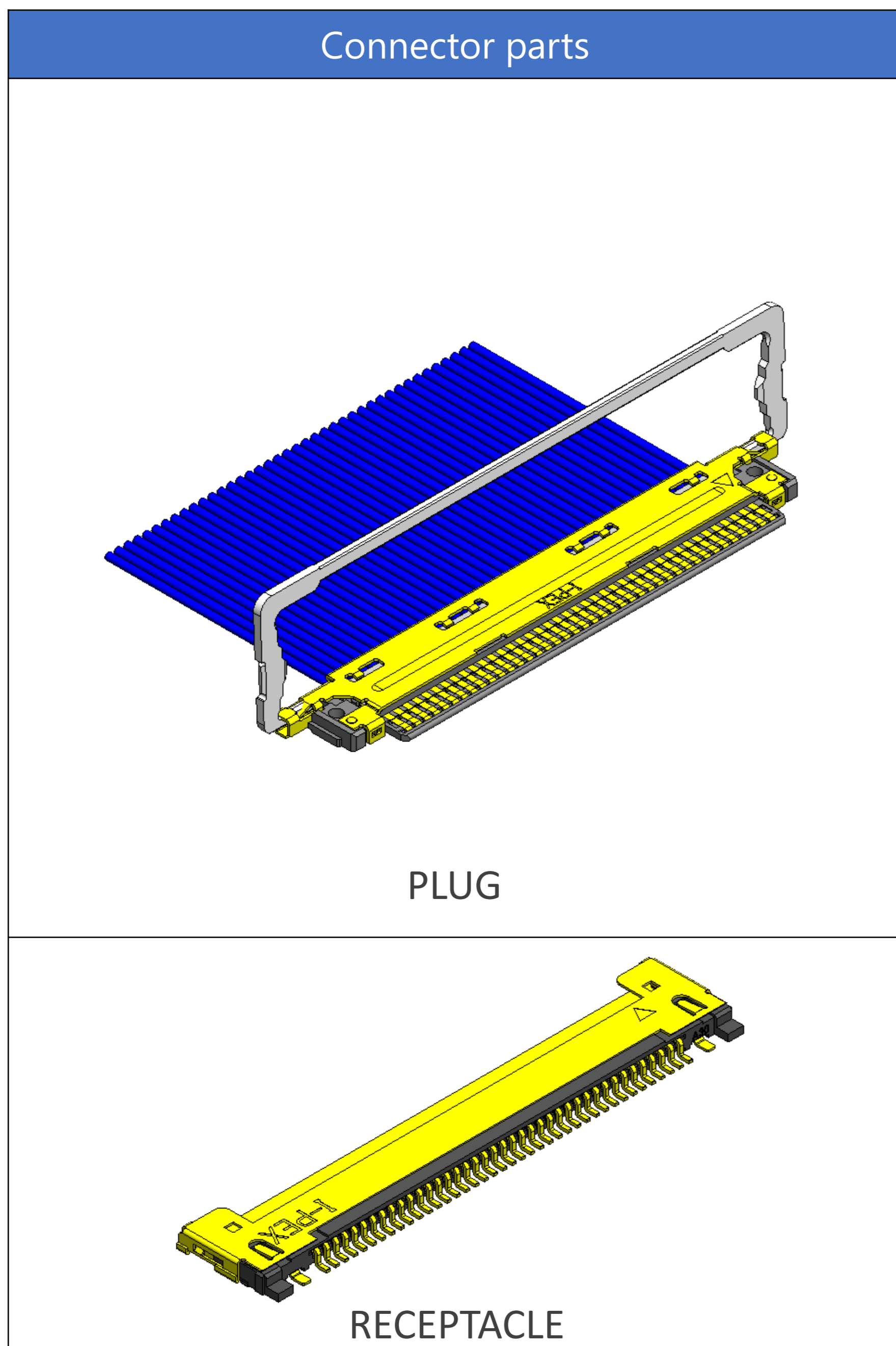
## 多點接地設計具有良好的抗EMI性能





# Component Parts Details

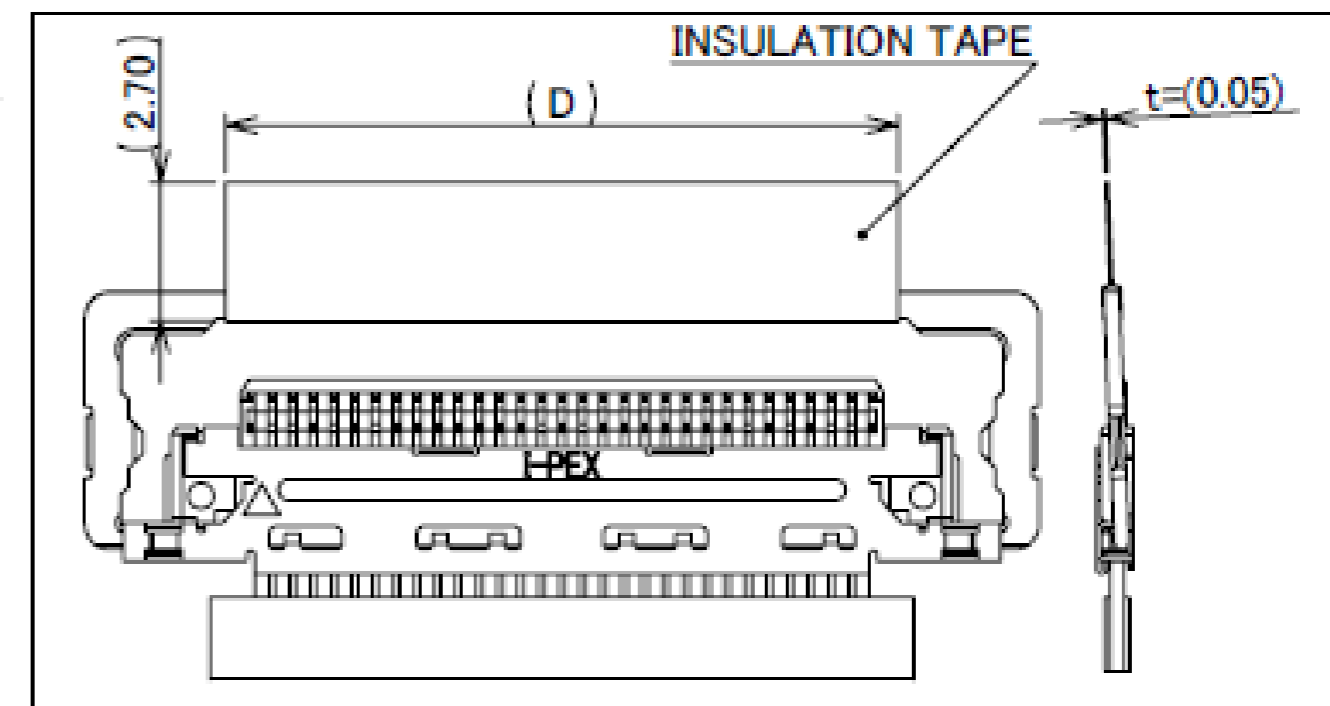
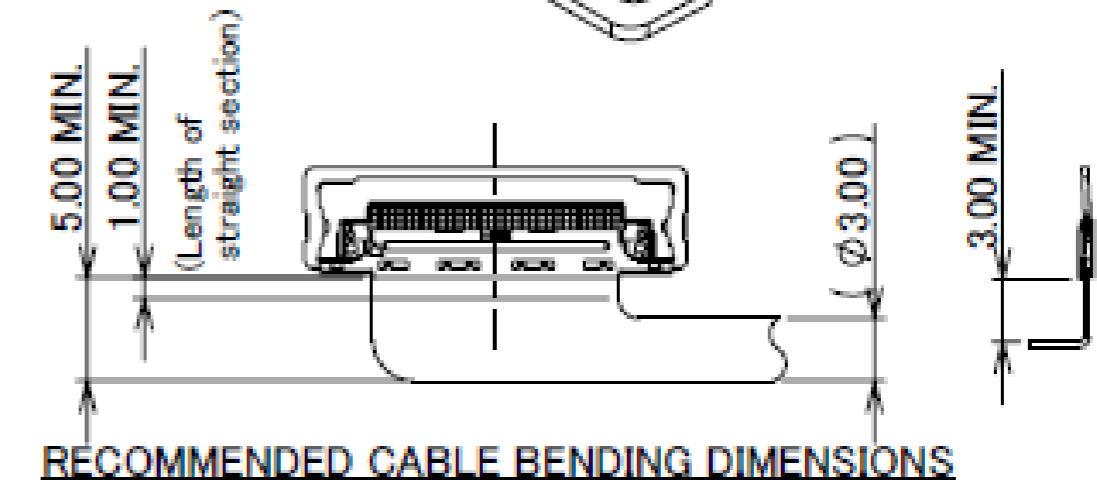
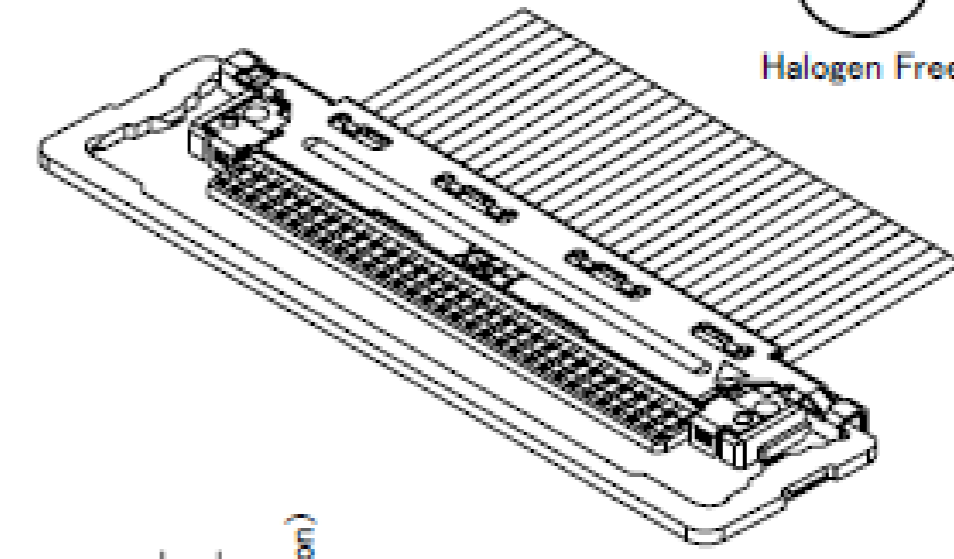
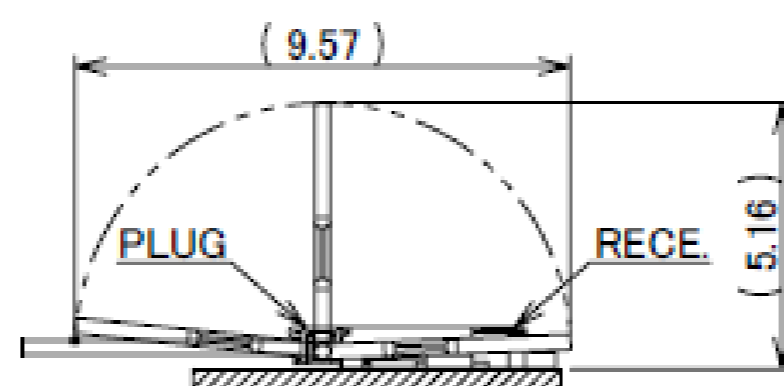
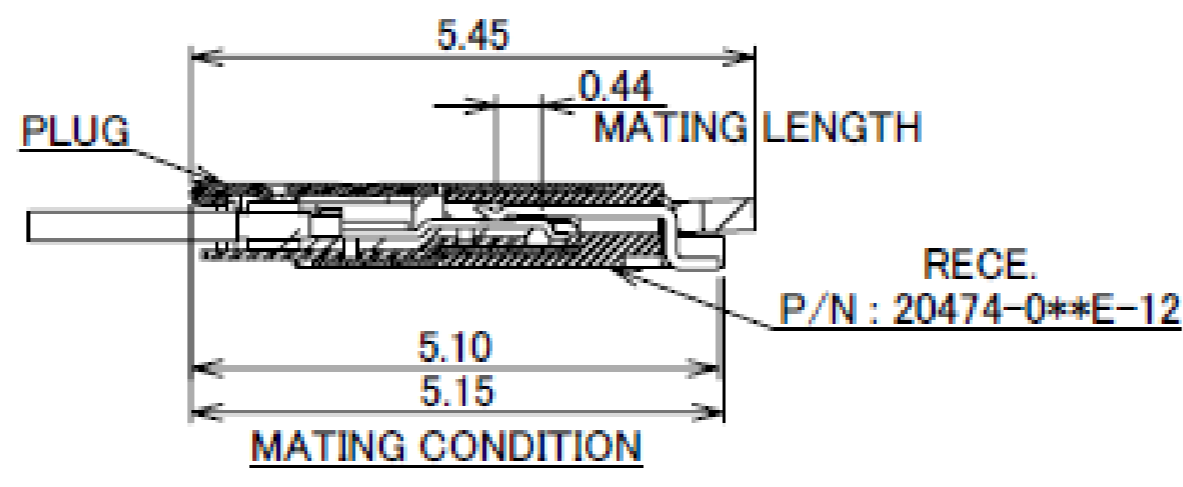
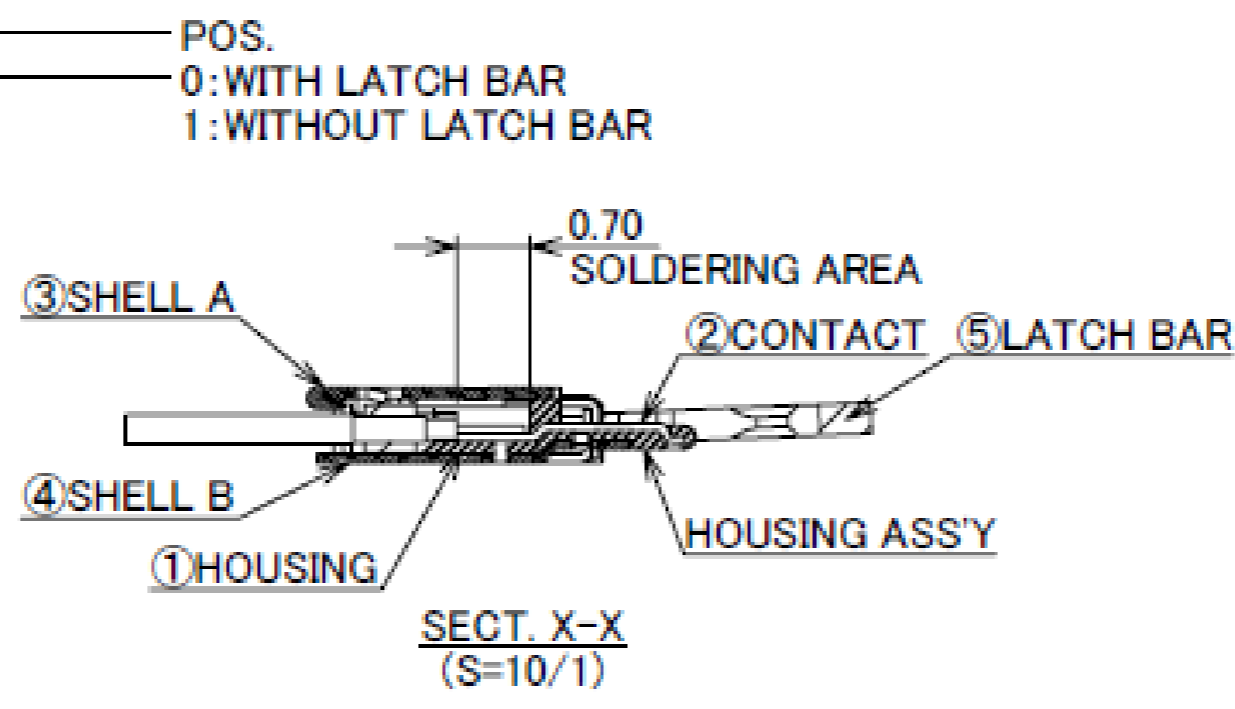
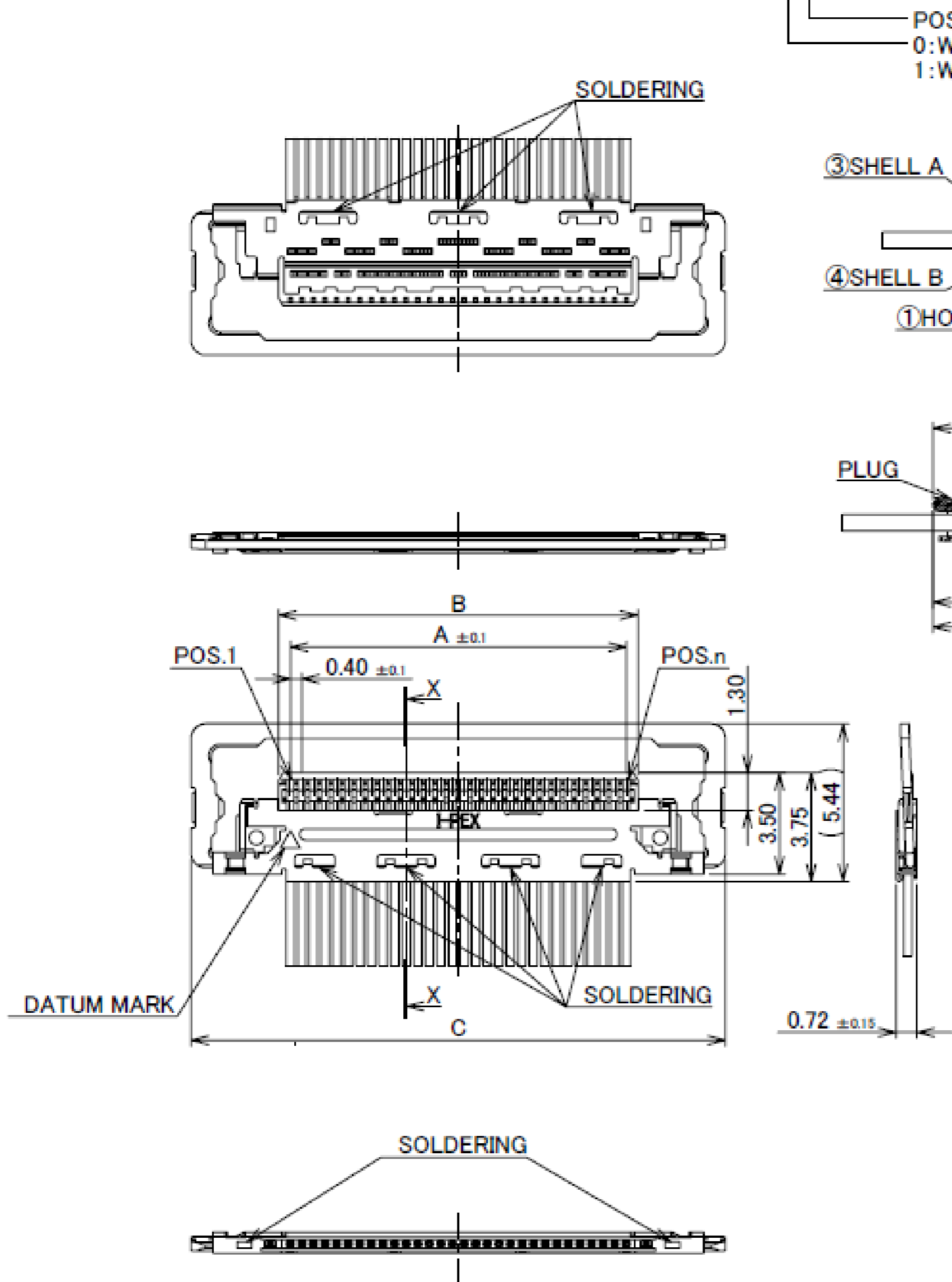
## Component Parts



# Plug for Cable Assembly

Recommended P/N		20472-0**T-10			
PART NO.	POS.	A	B	C	D
20472-030T-10	30	11.60	12.40	18.44	13.00
20472-040T-10	40	15.60	16.40	22.44	17.00

P/N : 20472-\*\*\*T-10



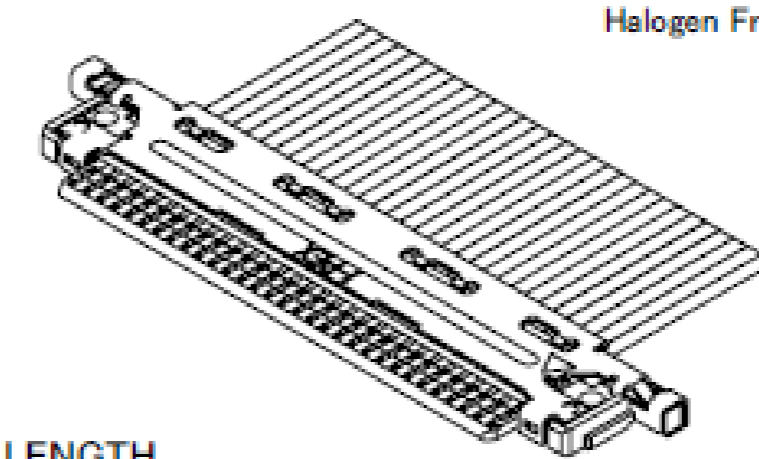
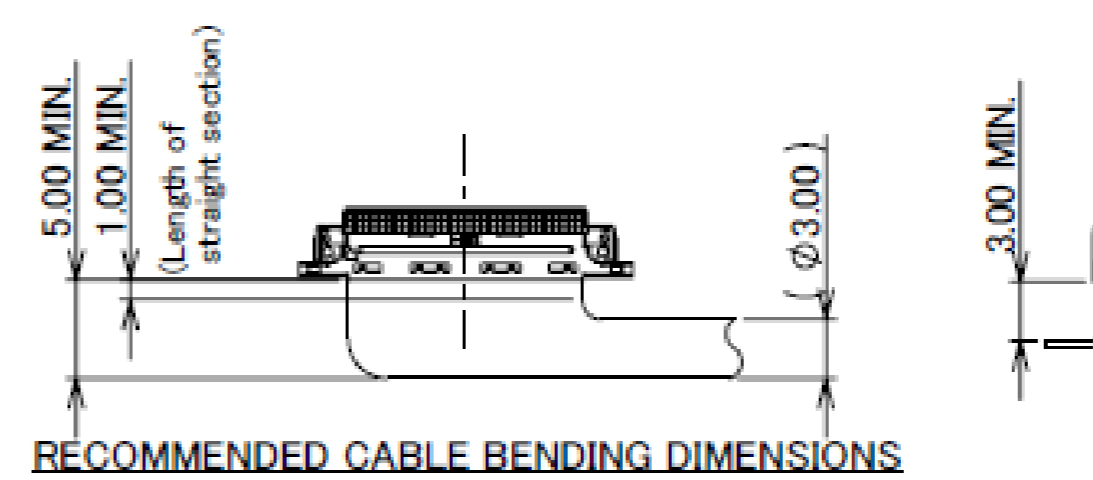
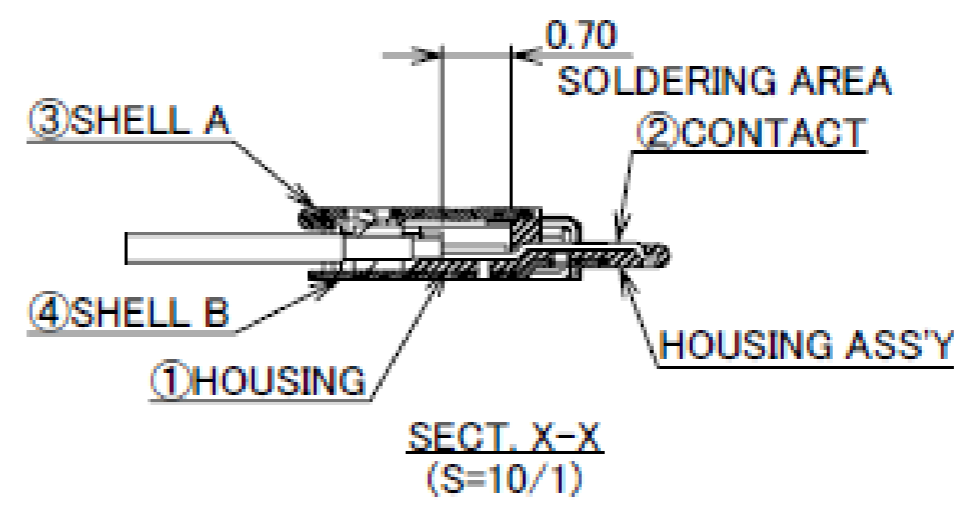
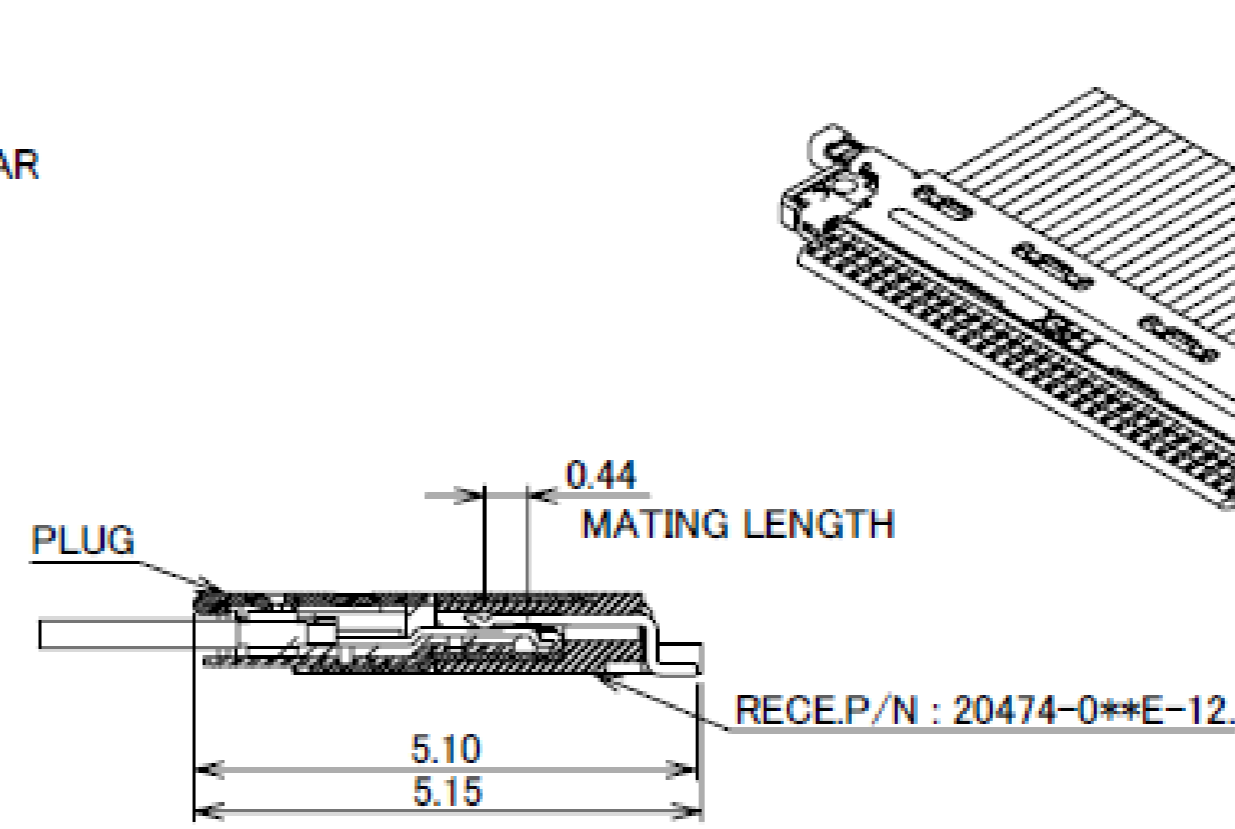
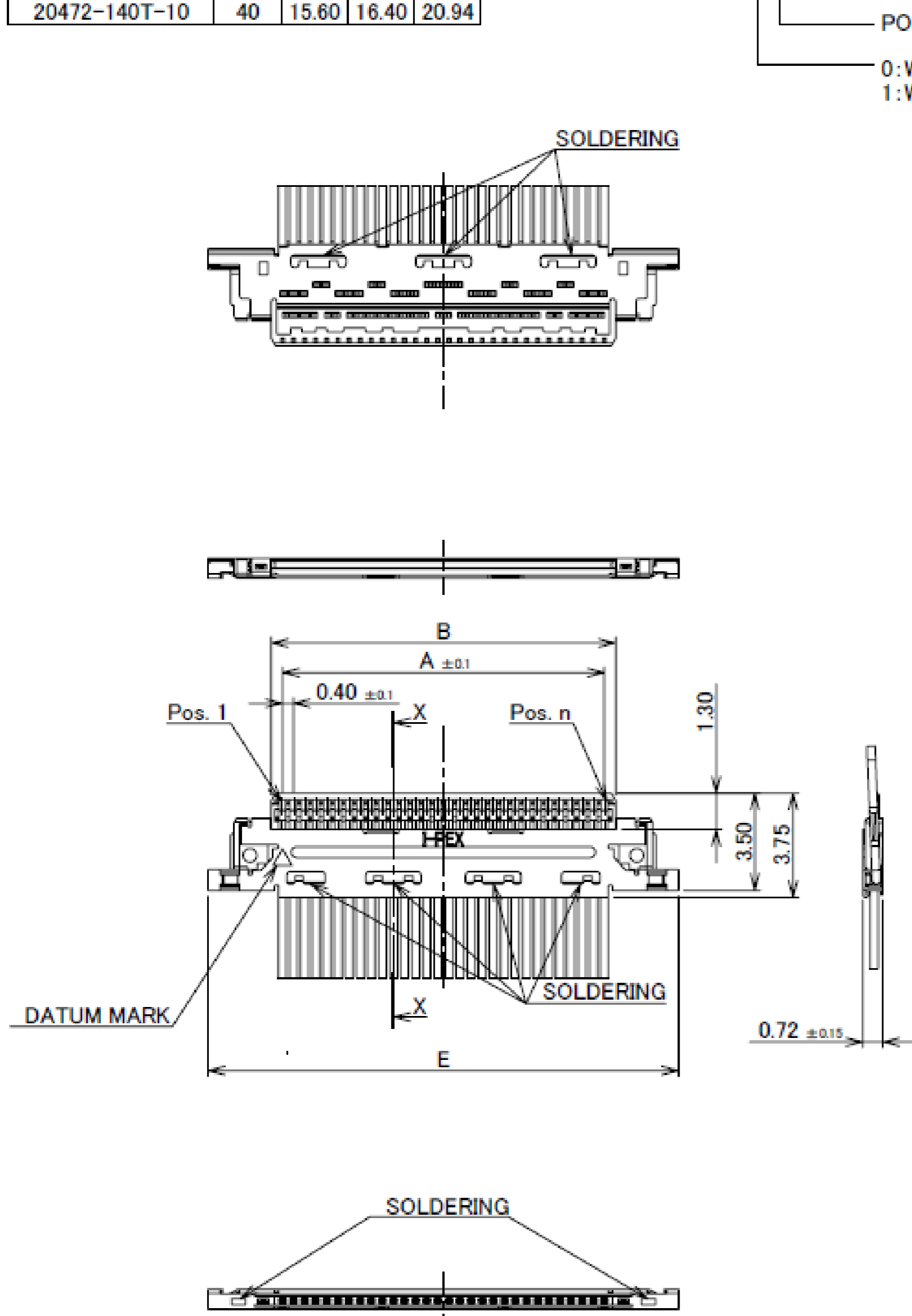
LATCH MOVEMENTS			
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
5	LATCH BAR	SUS	
4	SHELL B	PHOSPHOR BRONZE	Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
3	SHELL A	PHOSPHOR BRONZE	Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
2	CONTACT	PHOSPHOR BRONZE	Au 0.1 μm MIN. OVER Ni 1.00 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

WITH LATCH BAR

Rev.13

Recommended P/N		20472-0**T-10		
PART NO.	POS.	A	B	E
20472-130T-10	30	11.60	12.40	16.94
20472-140T-10	40	15.60	16.40	20.94

P/N : 20472-\*\*\*T-10

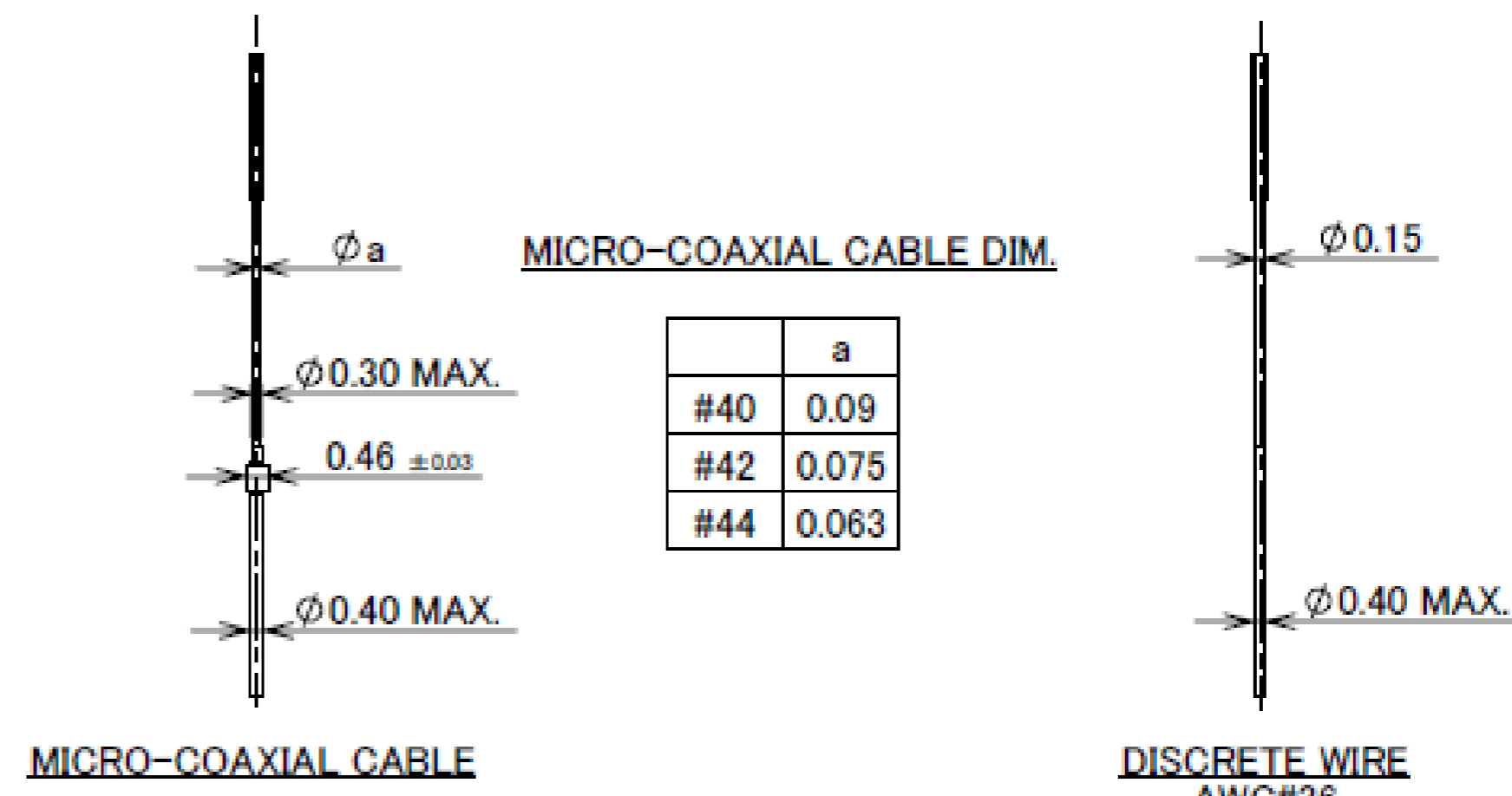
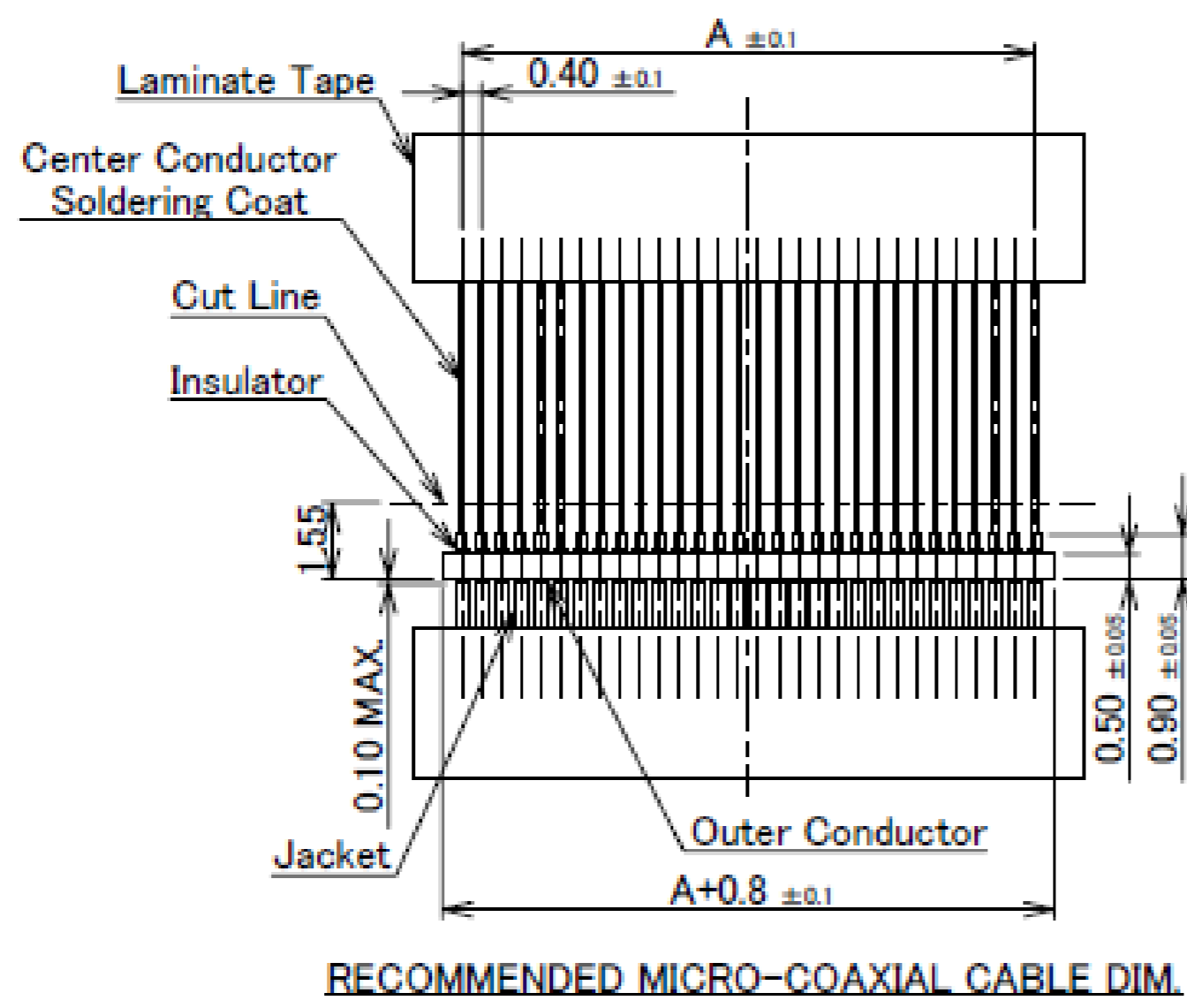


WITHOUT LATCH BAR

Rev.13

# Plug for Cable Assembly

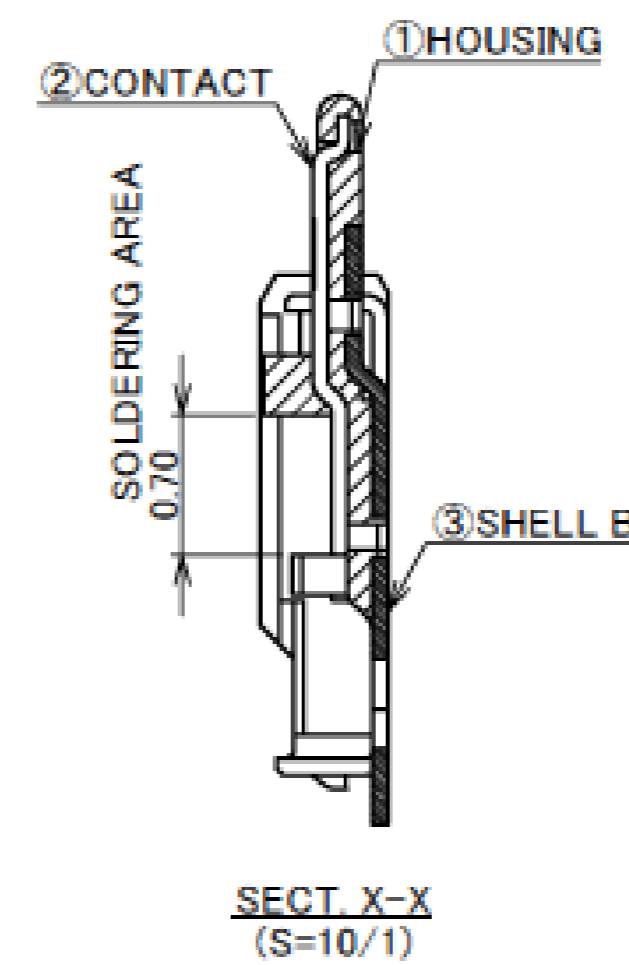
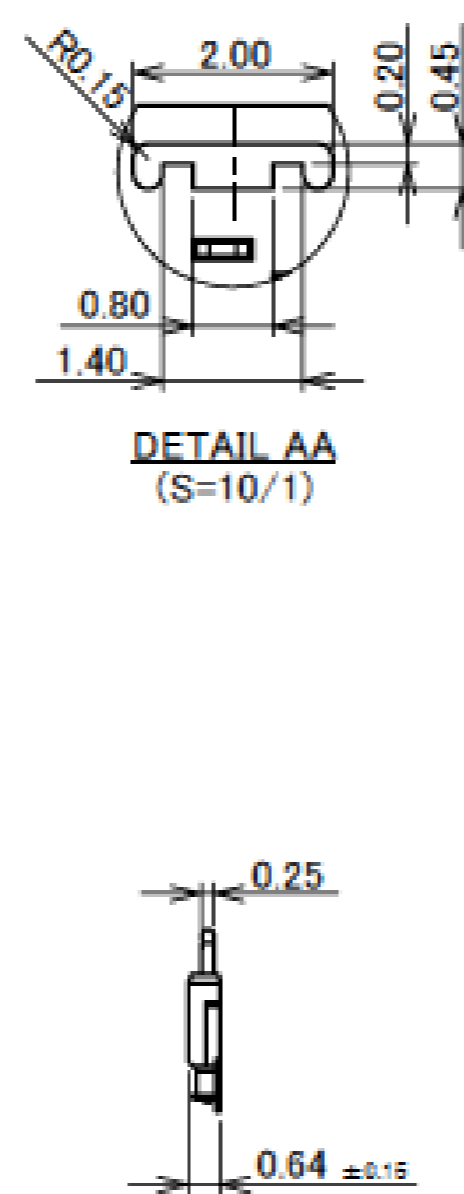
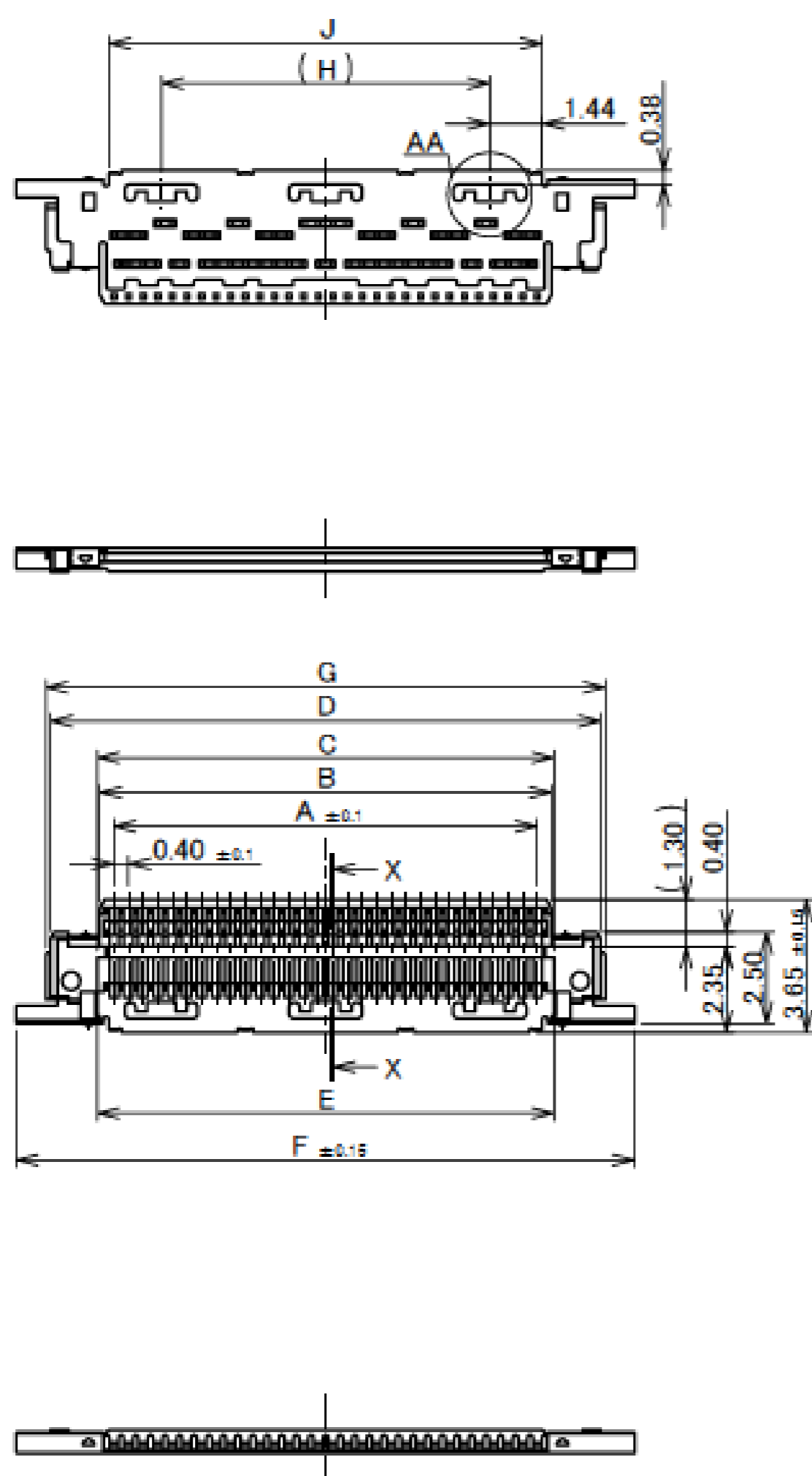
PART NO.	POS.	A
20472-#30T-10	30	11.60
20472-#40T-10	40	15.60



Rev.13

# Plug Housing Assembly

Recommended P/N		20473-0**T-10									
PART NO.	POS.	A	B	C	D	E	F	G	H	J	
20473-030T-10	30	11.60	12.40	12.65	15.08	12.65	16.94	15.34	9.00	11.88	
20473-040T-10	40	15.60	16.40	16.65	19.08	16.65	20.94	19.34	13.00	15.88	



NOTES  
 1. THIS PART IS ASSEMBLED WITH SHELL A(P/N 2618-0\*\*1)  
 AND LATCH BAR(P/N 2619-\*\*\*0) AFTER SOLDERED THE CABLE,  
 AND IT BECOMES P/N 20472-0\*\*T-10

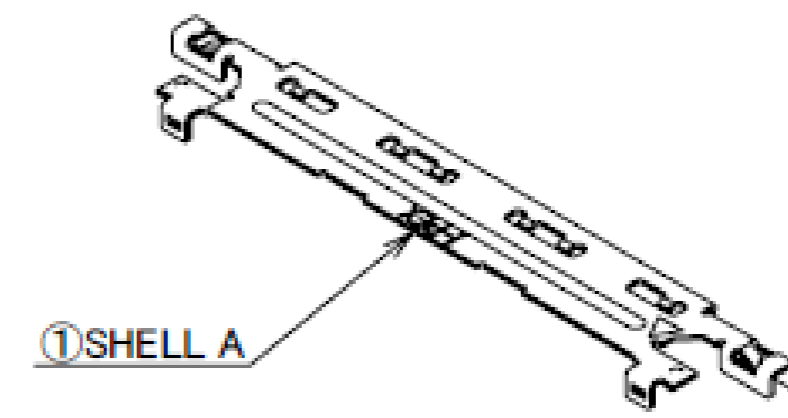
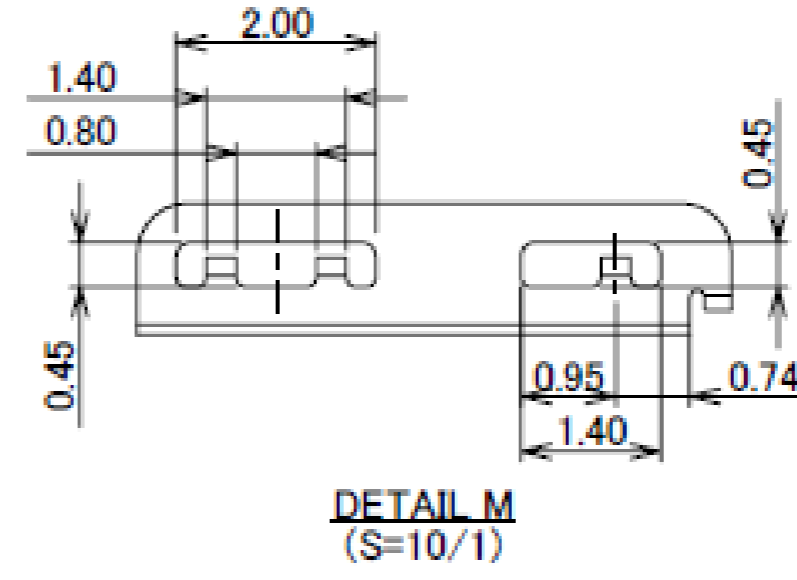
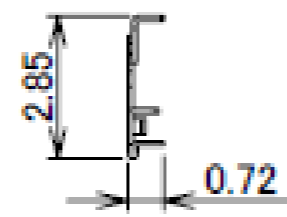
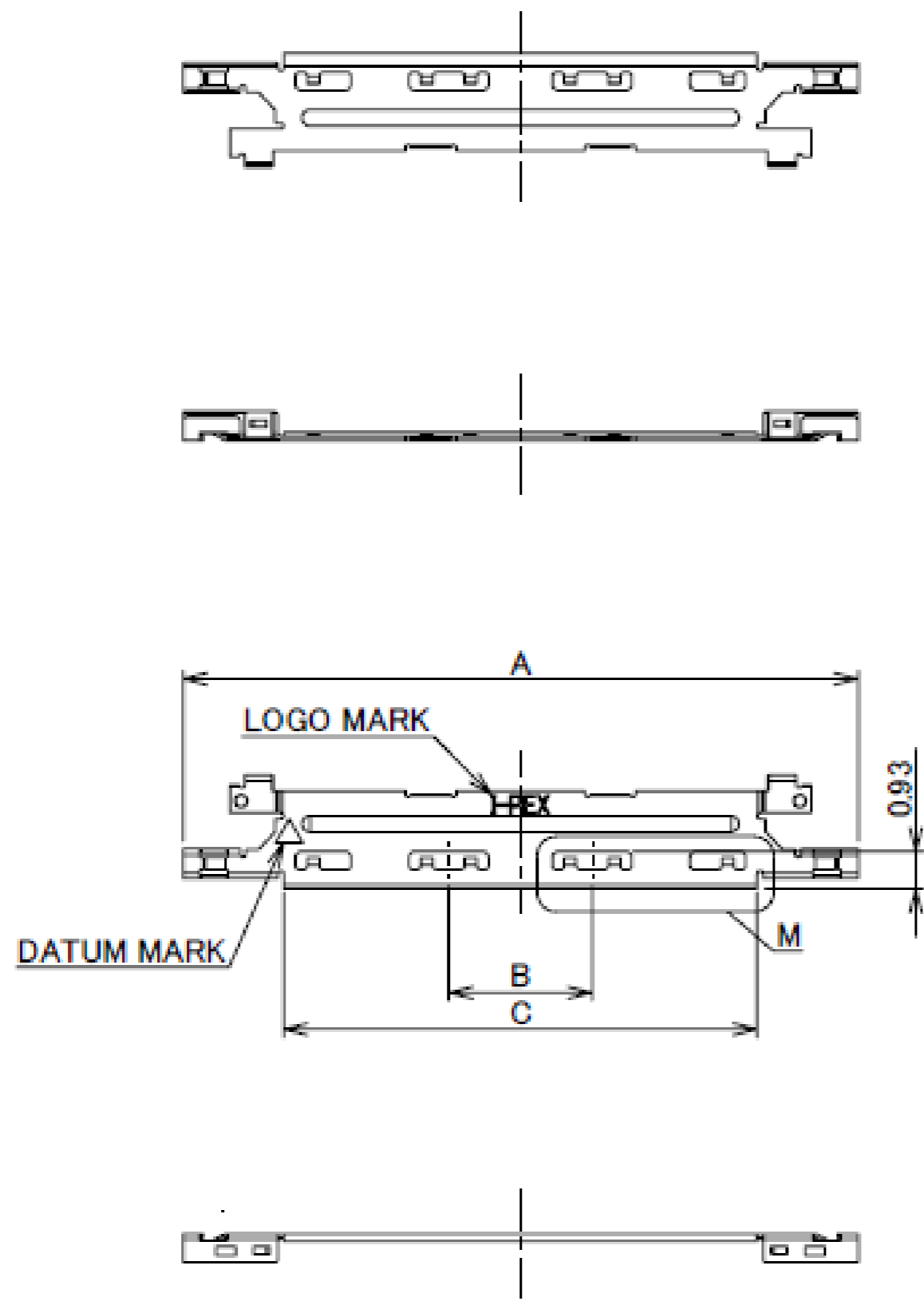
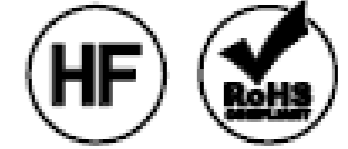
NO.	DISCRIPTION	MATERIAL	FINISH . REMARKS
3	SHELL B	PHOSPHOR BRONZE	Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
2	CONTACT	PHOSPHOR BRONZE	Au 0.1 μm MIN. OVER Ni 1.00 μm MIN.
1	HOUSING	LCP	UL94V-0. BLACK

Rev.6

# Plug Shell-A

Recommended P/N		2618-0**1		
PART NO.	POS.	A	B	C
2618-0301	30	16.94	3.60	11.88
2618-0401	40	20.94	5.60	15.88

P/N:2618-0\*\*1  
POS.



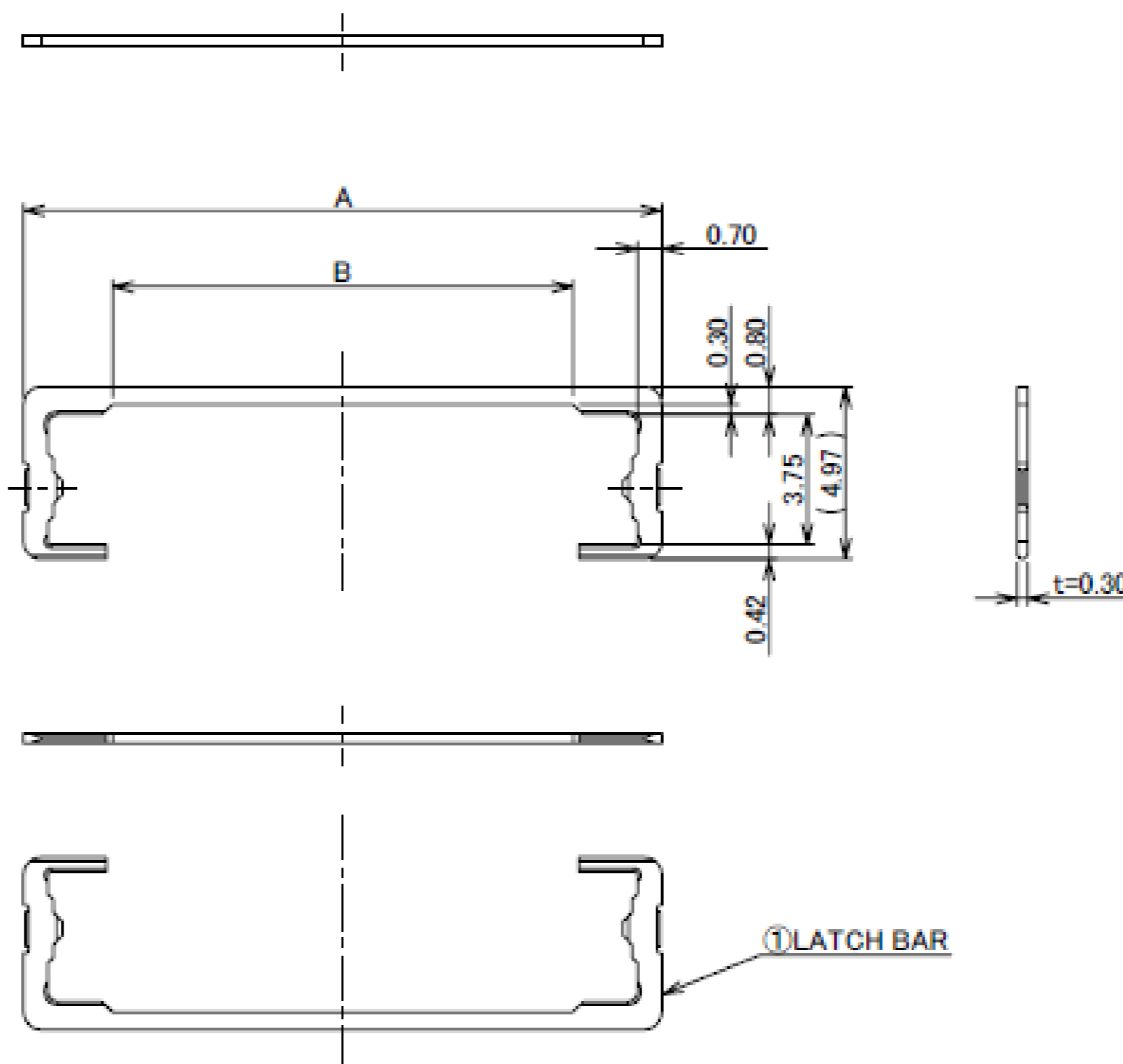
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
1	SHELL A	PHOSPHOR BRONZE	Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.

Rev.5

# Plug Latch Bar

Recommended P/N		2619-0**0	
PART NO.	POS.	A	B
2619-0300	30	18.44	13.00
2619-0400	40	22.44	17.00

2619-0\*\*0  
POS.

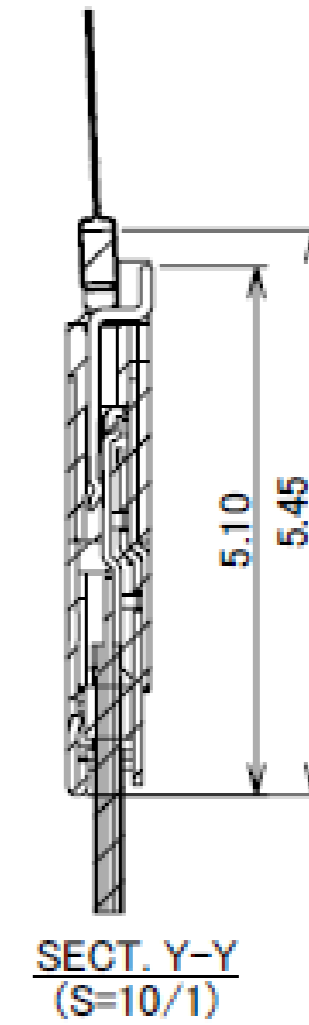
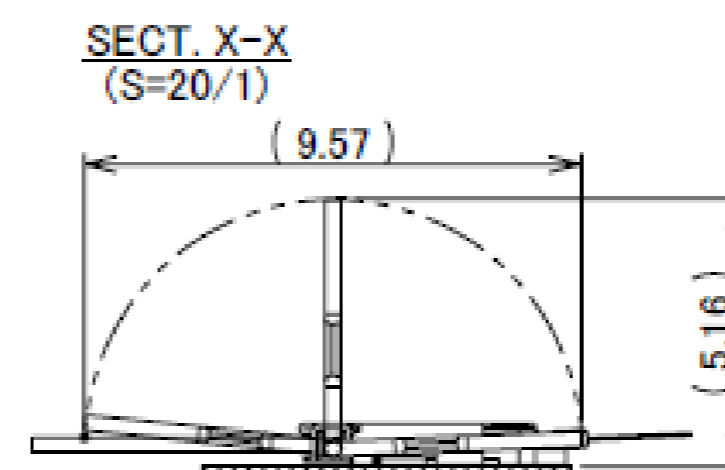
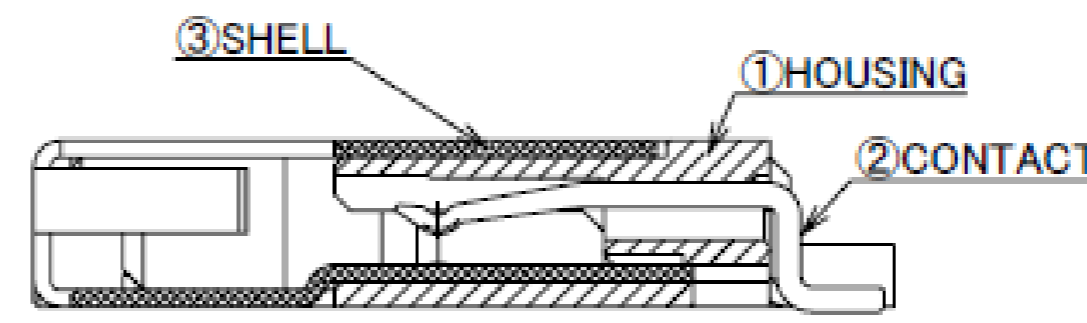
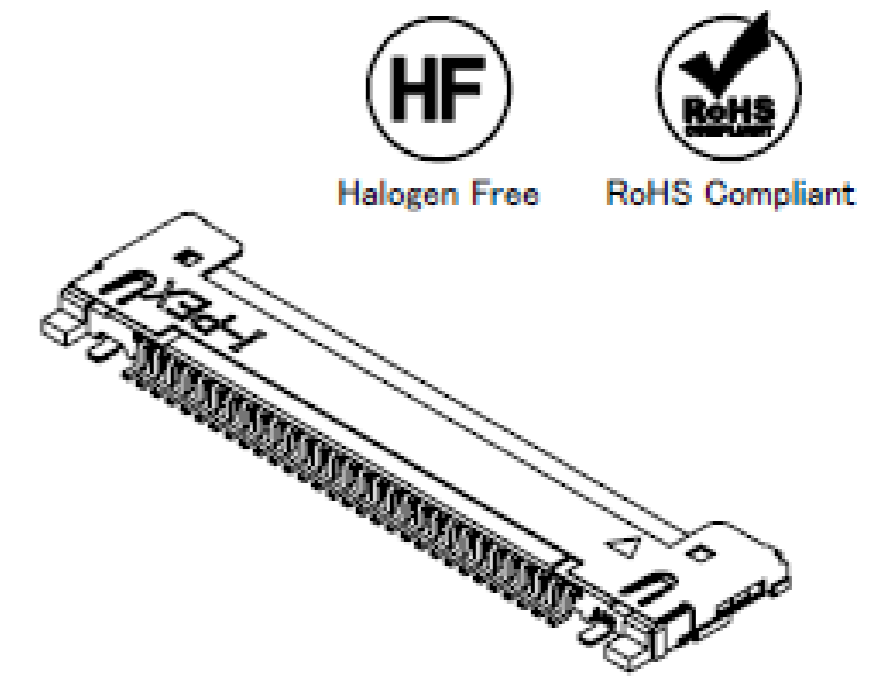
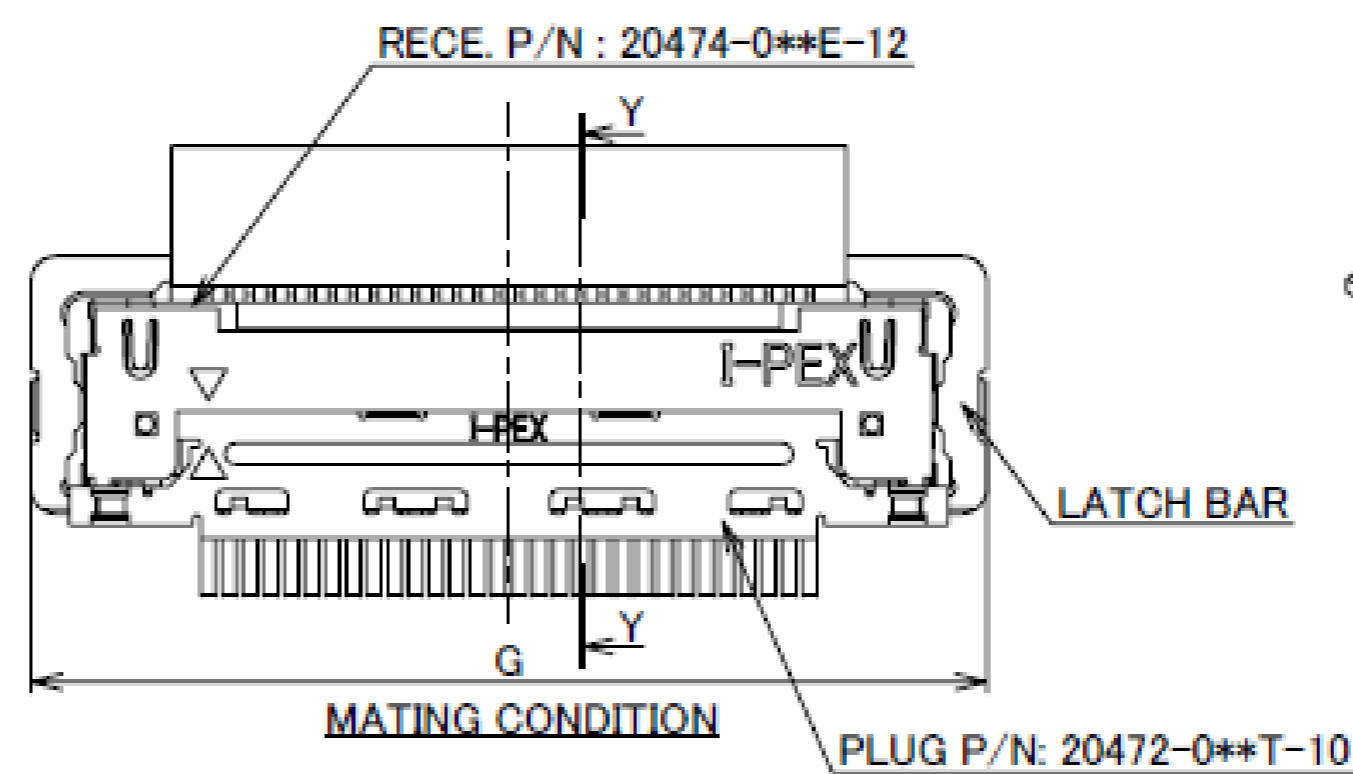
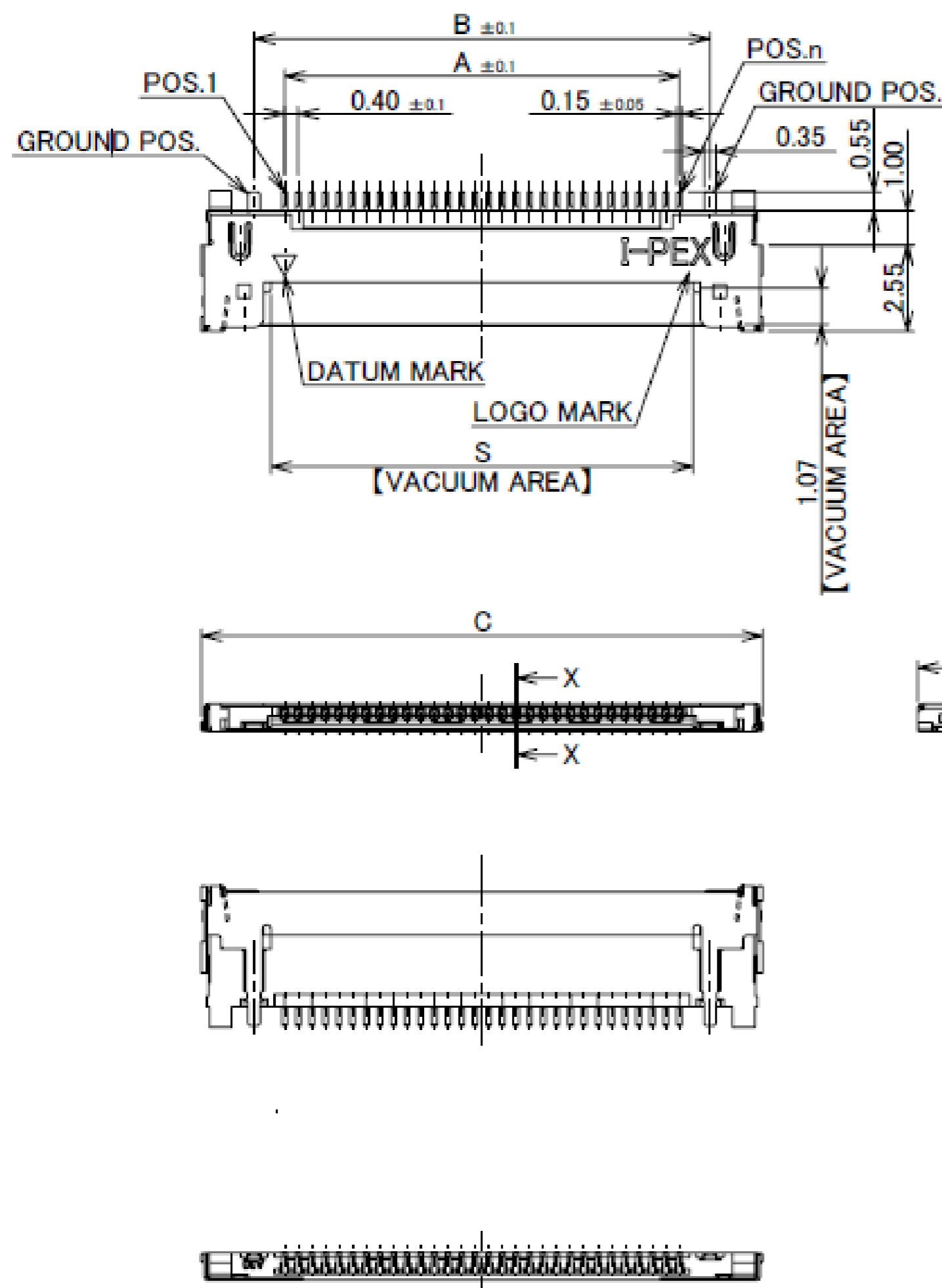


NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
1	LATCH BAR	SUS	-

Rev.7

# Receptacle Assembly

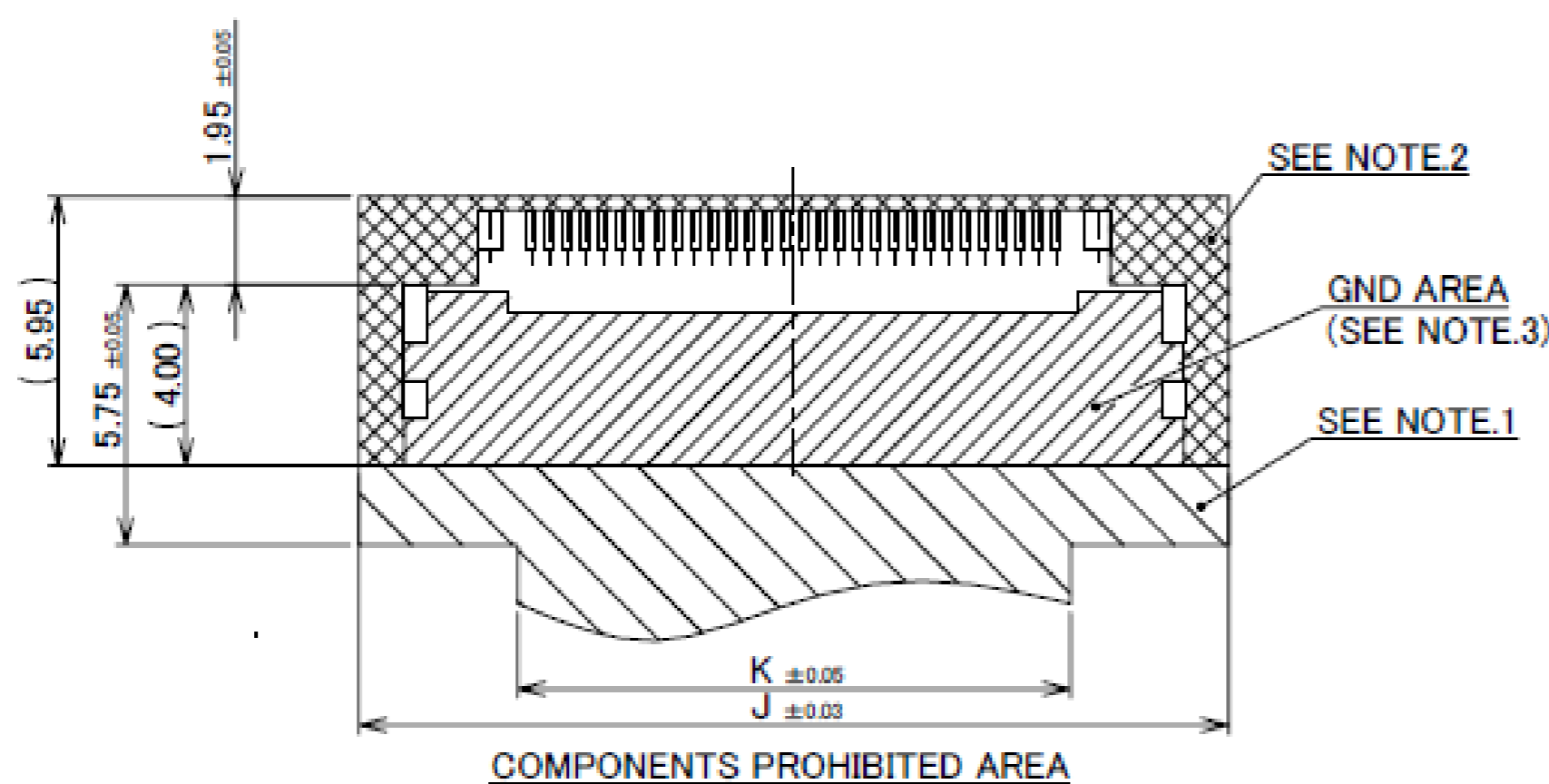
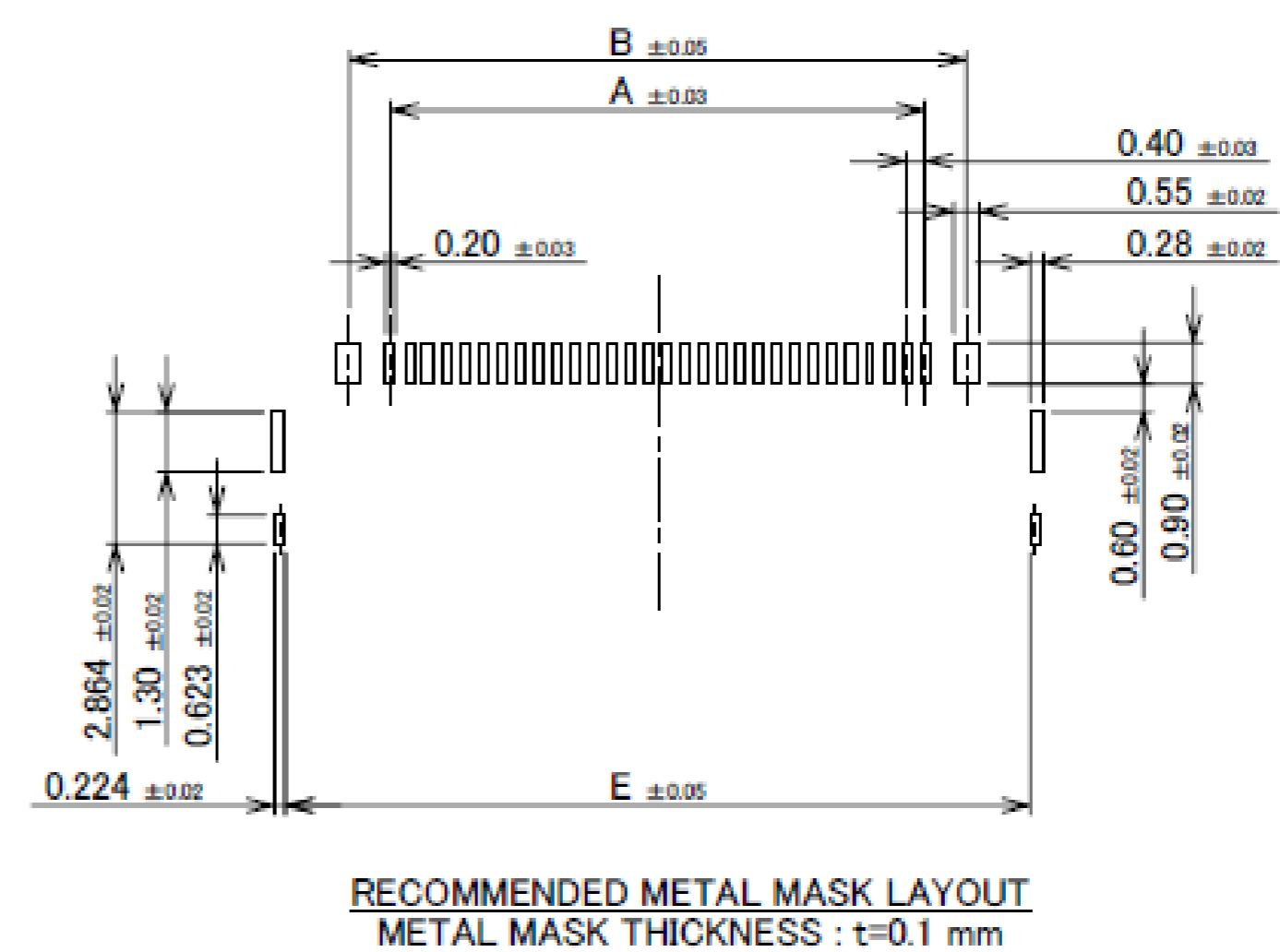
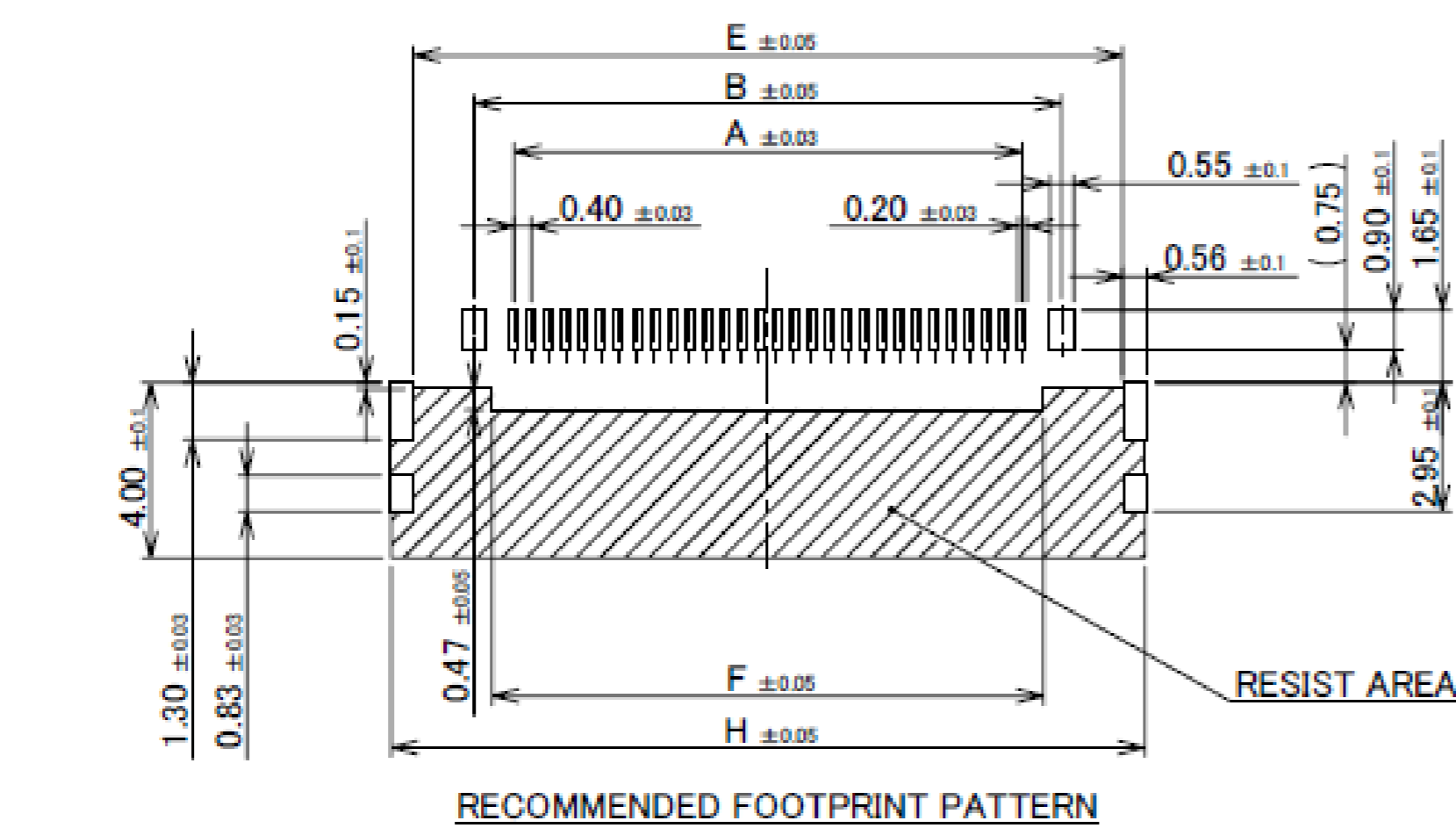
Recommended P/N		20474-0**E-12				
PART NO.	POS.	A	B	C	G	S
20474-030E-12	30	11.60	13.40	16.50	18.44	12.40
20474-040E-12	40	15.60	17.40	20.50	22.44	16.40



NO.	DISCRIPTION	MATERIAL	FINISH . REMARKS
3	SHELL	PHOSPHOR BRONZE	Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
2	CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

Rev.13

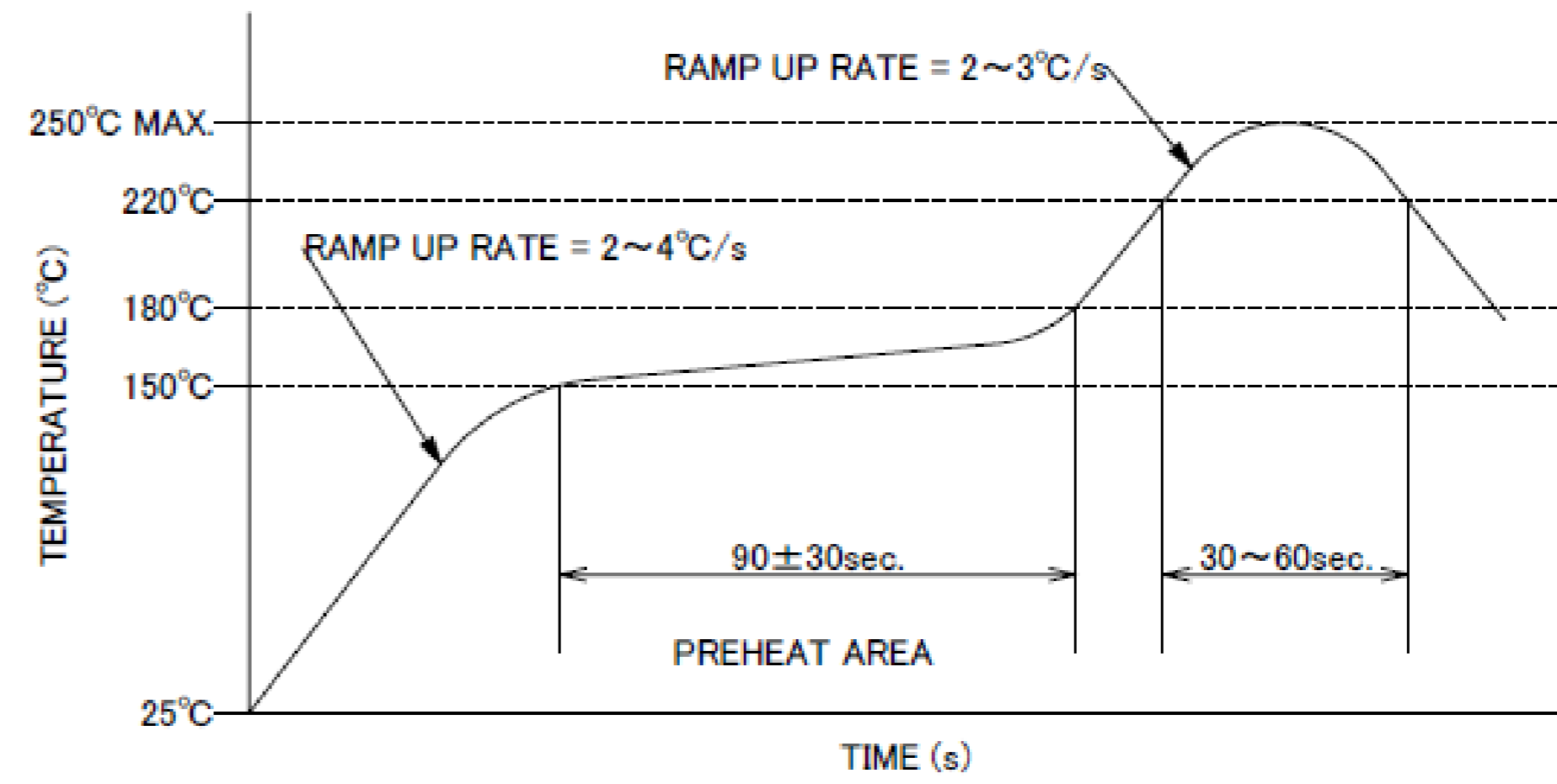
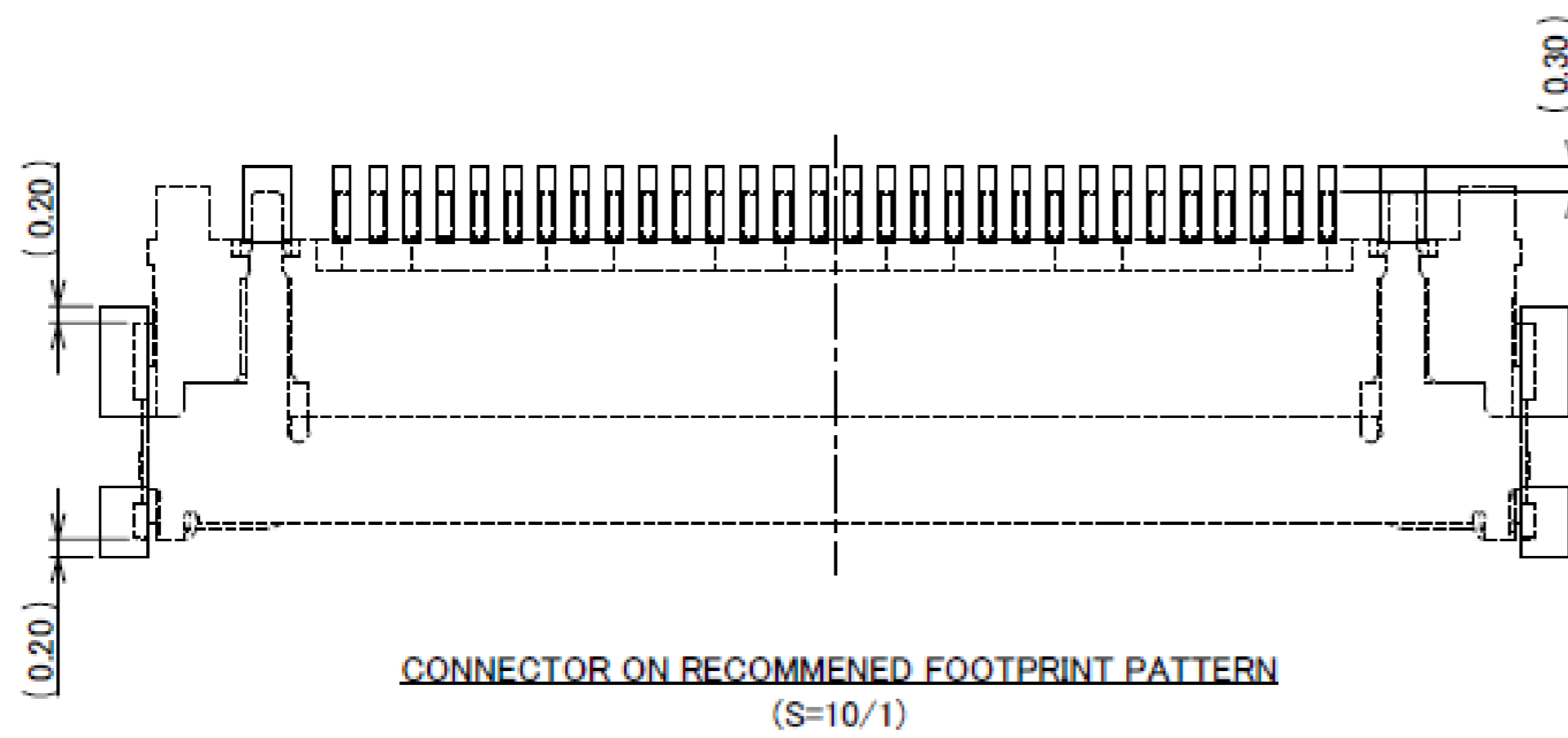
PART NO.	POS.	A	B	E	F	H	J	K
20474-030E-12	30	11.60	13.40	16.18	12.59	17.20	19.20	12.20
20474-040E-12	40	15.60	17.40	20.18	16.59	21.20	23.20	16.20



- NOTES.
- DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.
  - IN CASE OF PLUG WITH LATCH BAR(20472-0\*\*T-10), DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.
  - SODLER RESIST MUST BE APPLIED TO THIS AREA.

Rev.13

# Receptacle Assembly



Rev.13

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 40, 42, 44 DISCRETE WIRE : AWG# 36
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT PIN 0.24A AC/DC [AWG#42] PER CONTACT PIN 0.3A AC/DC [AWG#40] PER CONTACT PIN 0.8A AC/DC [AWG#36] PER CONTACT PIN
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 275mohm MAX. (AWG#36) / AFTER TEST : $\triangle$ 40mohm MAX. 600mohm MAX. (AWG#40) 700mohm MAX. (AWG#42) 1080mohm MAX. (AWG#44)
GROUND SHELL RESISTANCE	INITIAL : 50mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P : 10N MAX. 40P : 12N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 3.0N MIN. 40P : 4.0N MIN.
CABLE RETENTION FORCE	30P : 14.70N MIN. 40P : 19.60N MIN.
PRODUCT SPECIFICATION	PRS-1421
TEST REPORT	TR-08030
INSTRUCTION MANUAL	HIM-09002
ASSEMBLY MANUAL	ASM-09002
APPEARANCE CRITERIA No.	QLS-A***

Rev.13



# Custom Connectors Available

 RF Connector

MHF® series



CABLINÉ® series  
Micro-coaxial/Twinax/  
Discrete Wire Connector



Optical Module

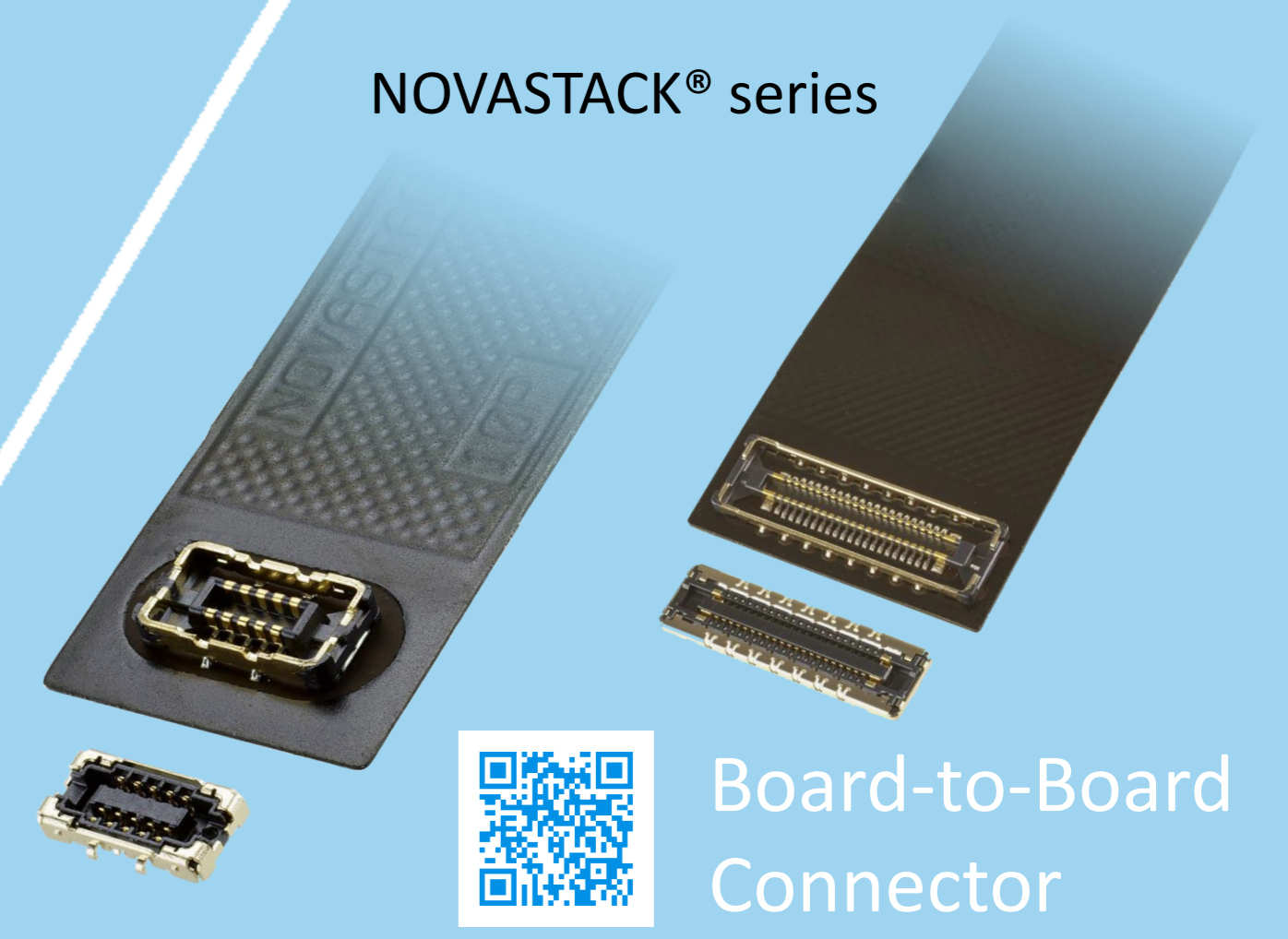
LIGHTPASS® series



NOVASTACK® series



Board-to-Board Connector



Power Connector/  
Terminal

AP series

ISH® series



MINIFLEX® series

EVAFLEX® series



FPC FFC Connector



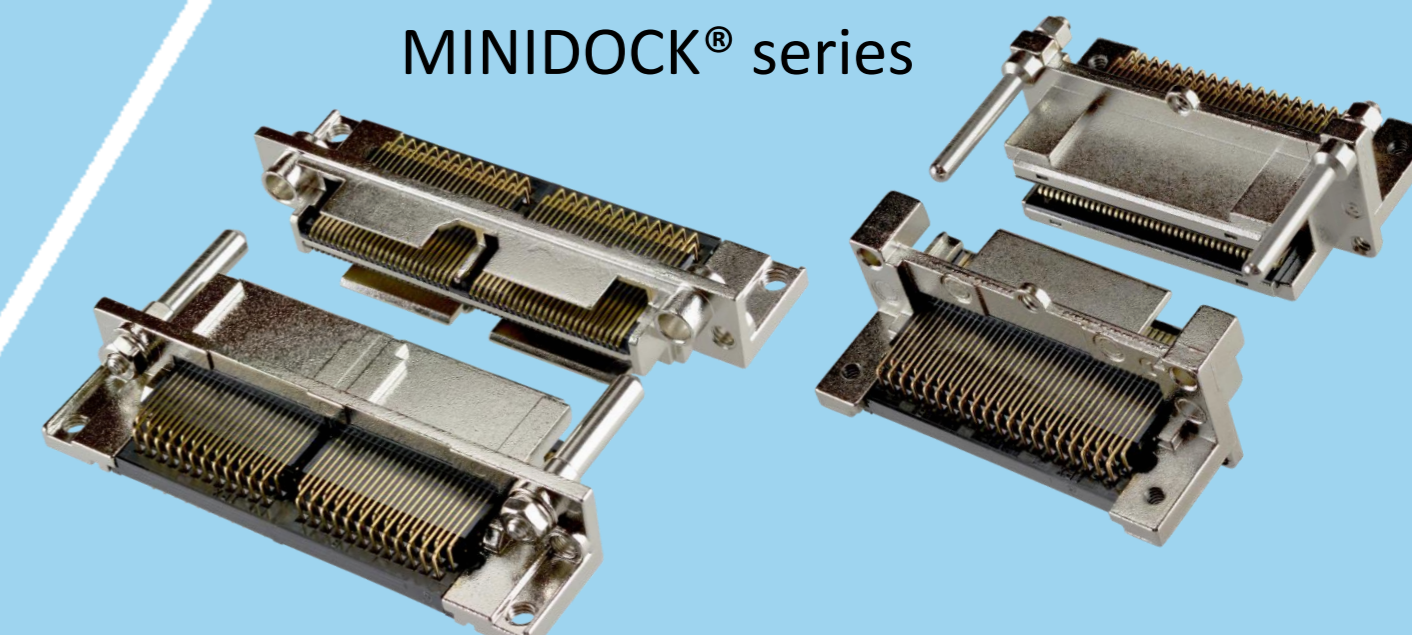
Inquiry



MINIDOCK® series



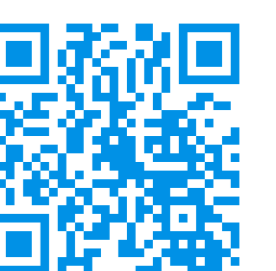
I/O Connector



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Contact your sales representative or more detailed information.

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