

CABLIN[®]-CBL

较低嵌合高度(嵌合高度 = 0.825mm), 机械锁扣, 带屏蔽, 多点接地设计, 0.4mm间距, 水平插拔款的极细同轴线连接器

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)

*如果您需要了解未列出或不在范围内的Pin数, 请咨询我们。

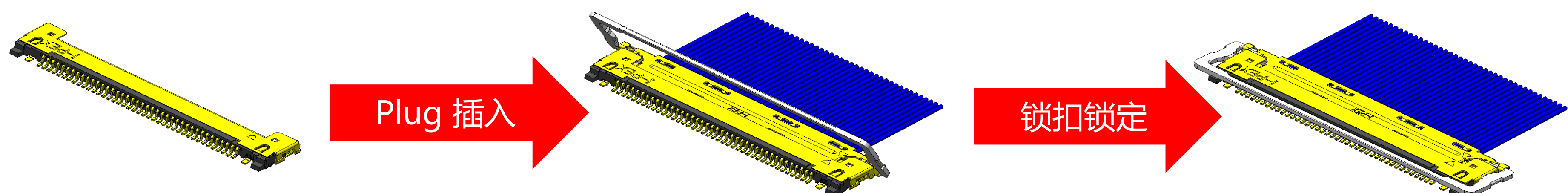
*较低高度 0.4 mm 间距连接器 CABLINE[®]-CAL (组合高度: 最高0.8 mm) 也可提供。



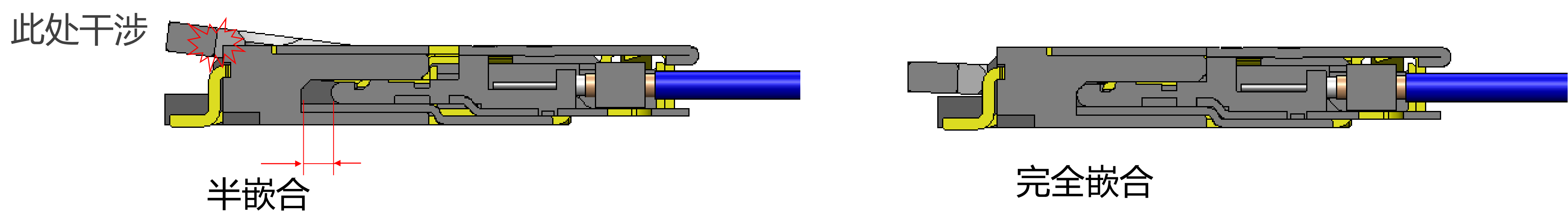
低背型连接器: 0.975mm max. 0.825mm nominal

| CABLIN [®] -CBL 40p | | | | CABLIN [®] -CAL 40p (低高度连接器) | | | |
|--|------|---------------------|--|--|------|-------------------|--|
| 宽度 | | 高度 | | 宽度 | | 高度 | |
| 深度 | | 嵌合 | | 深度 | | 嵌合 | |
| CABLIN [®] -CBL 40p 公母座嵌合状态尺寸 (mm) | | | | CABLIN [®] -CAL 40p 公母座嵌合状态尺寸 (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) | |

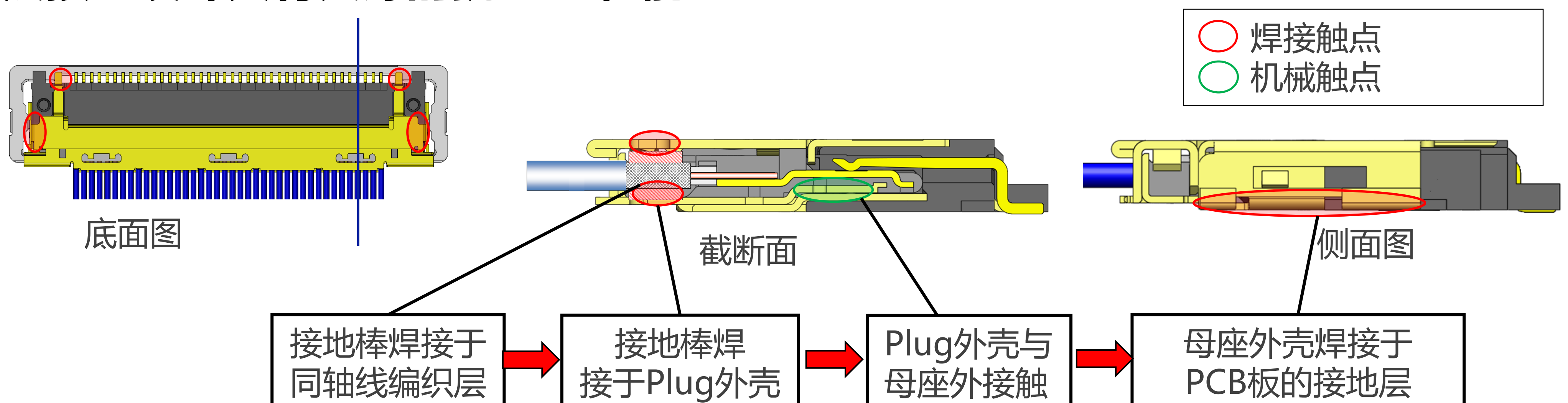
可选机械锁扣, 可以防止连接器不完全插入或者连接器的脱落



只有当 Plug 完全插入母座, 机械锁扣才能顺利锁上。

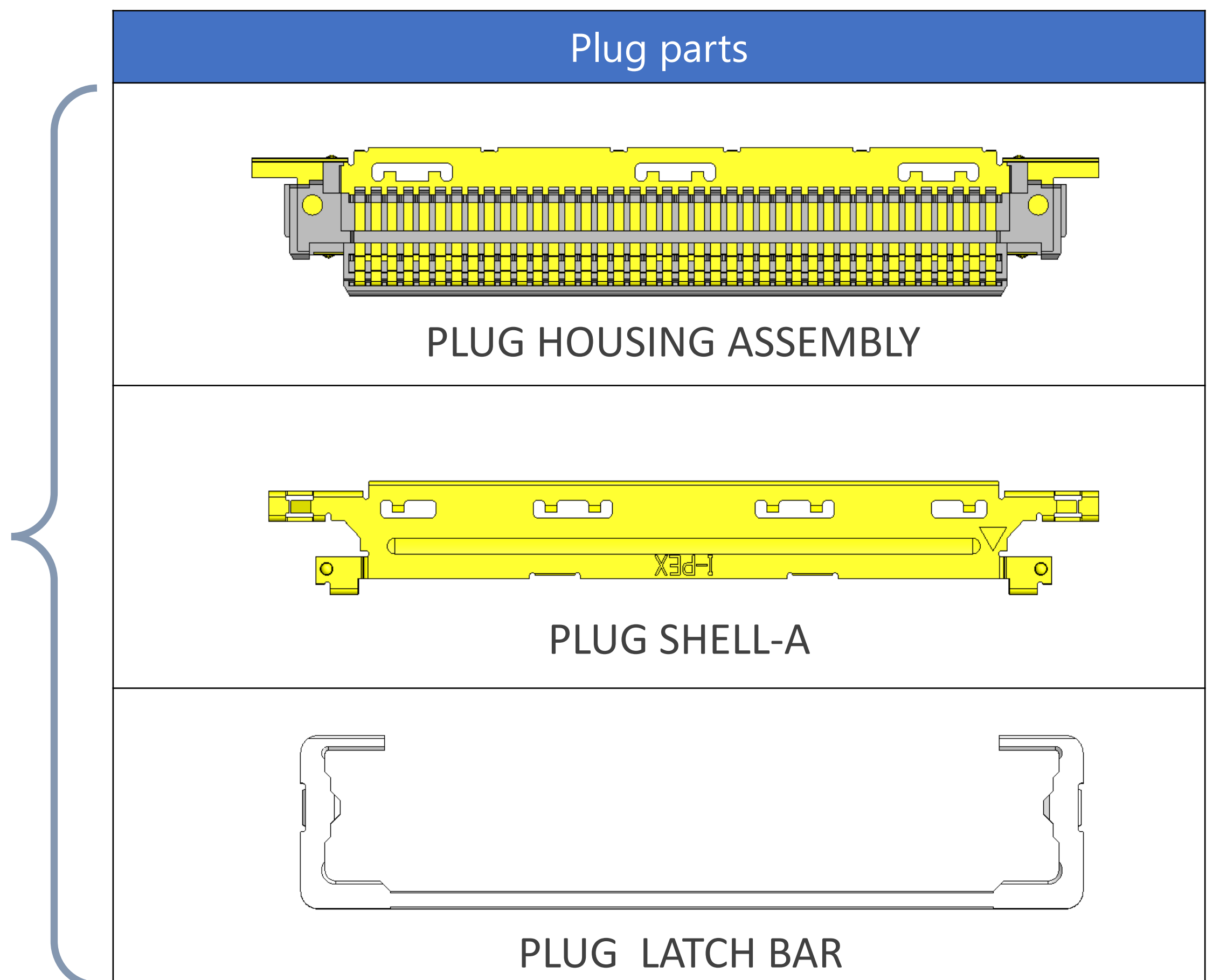
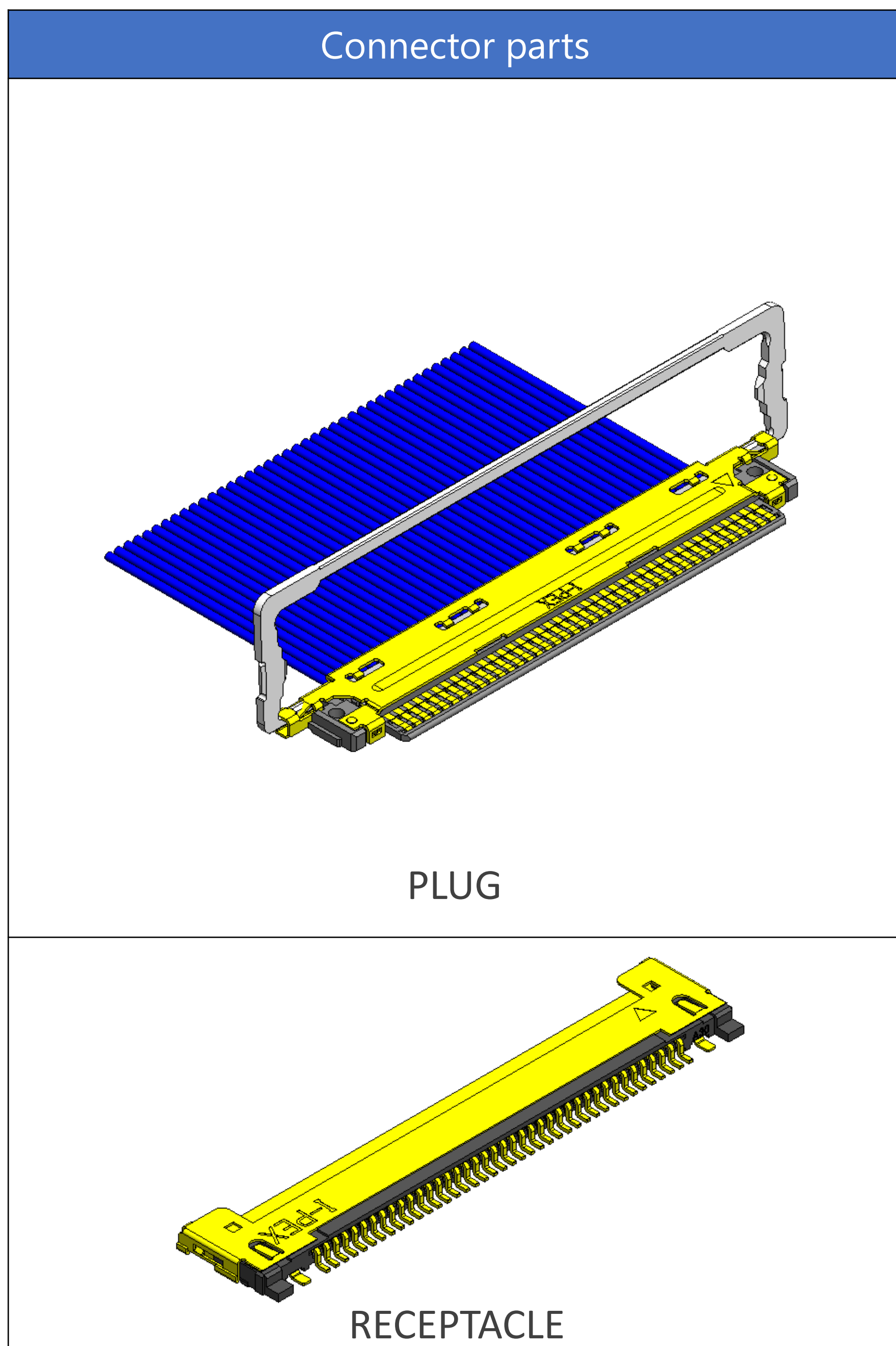


多点接地设计具有良好的抗EMI 性能



Component Parts Details

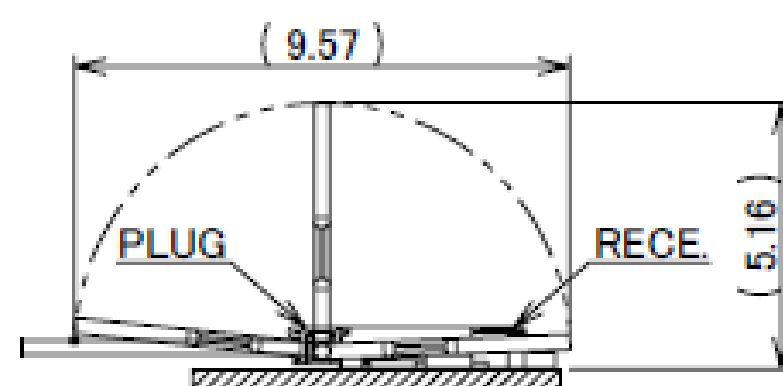
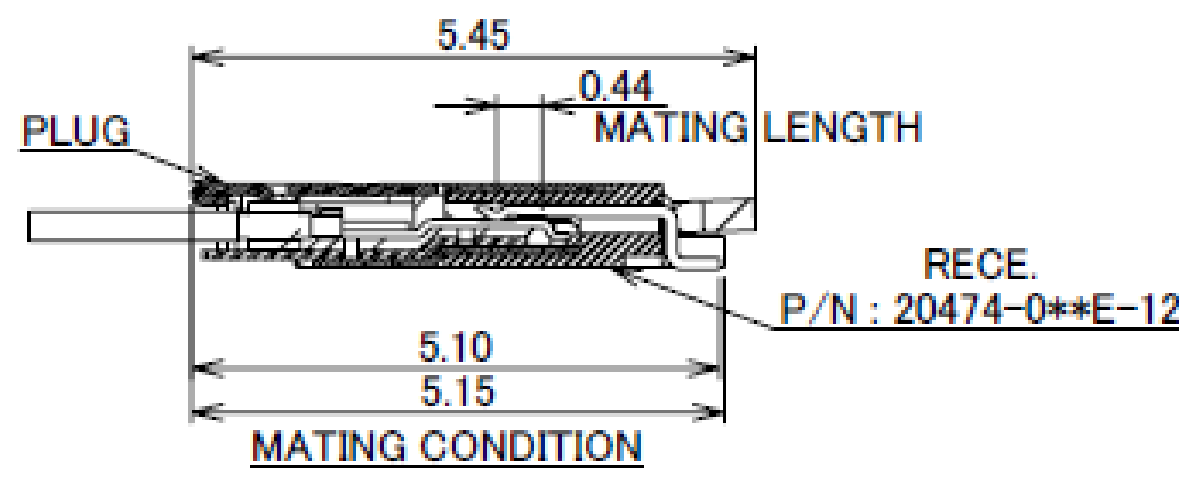
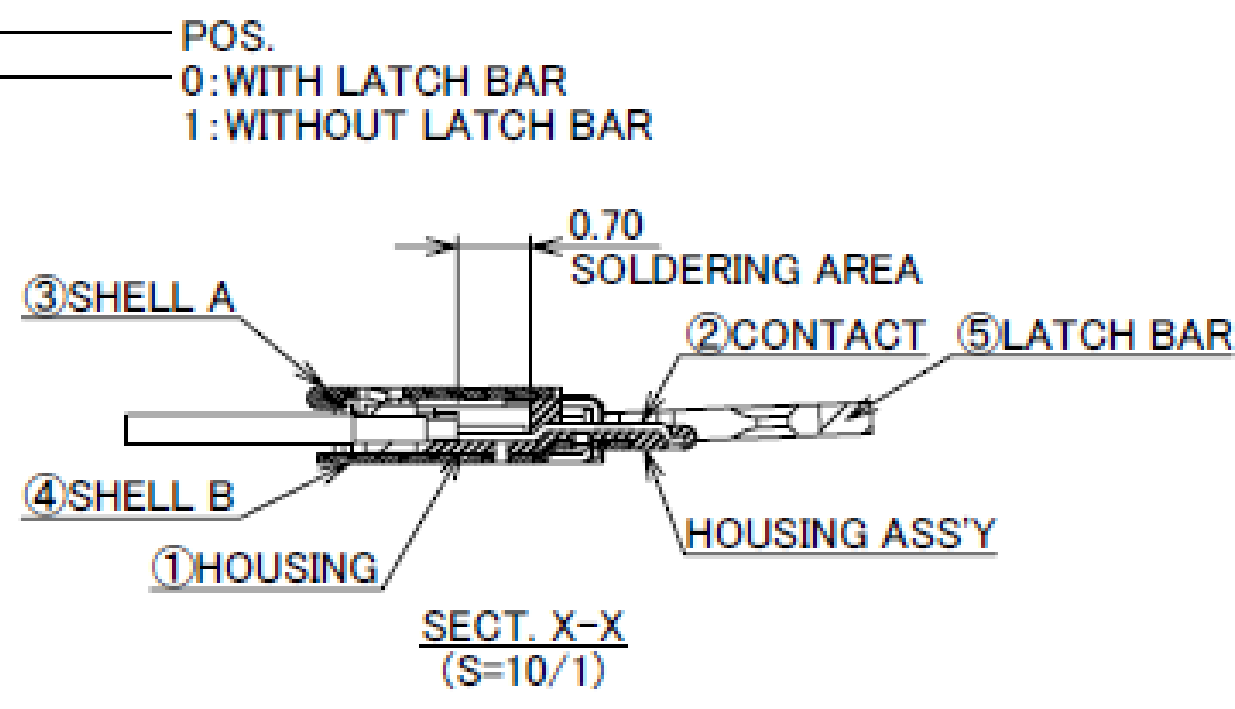
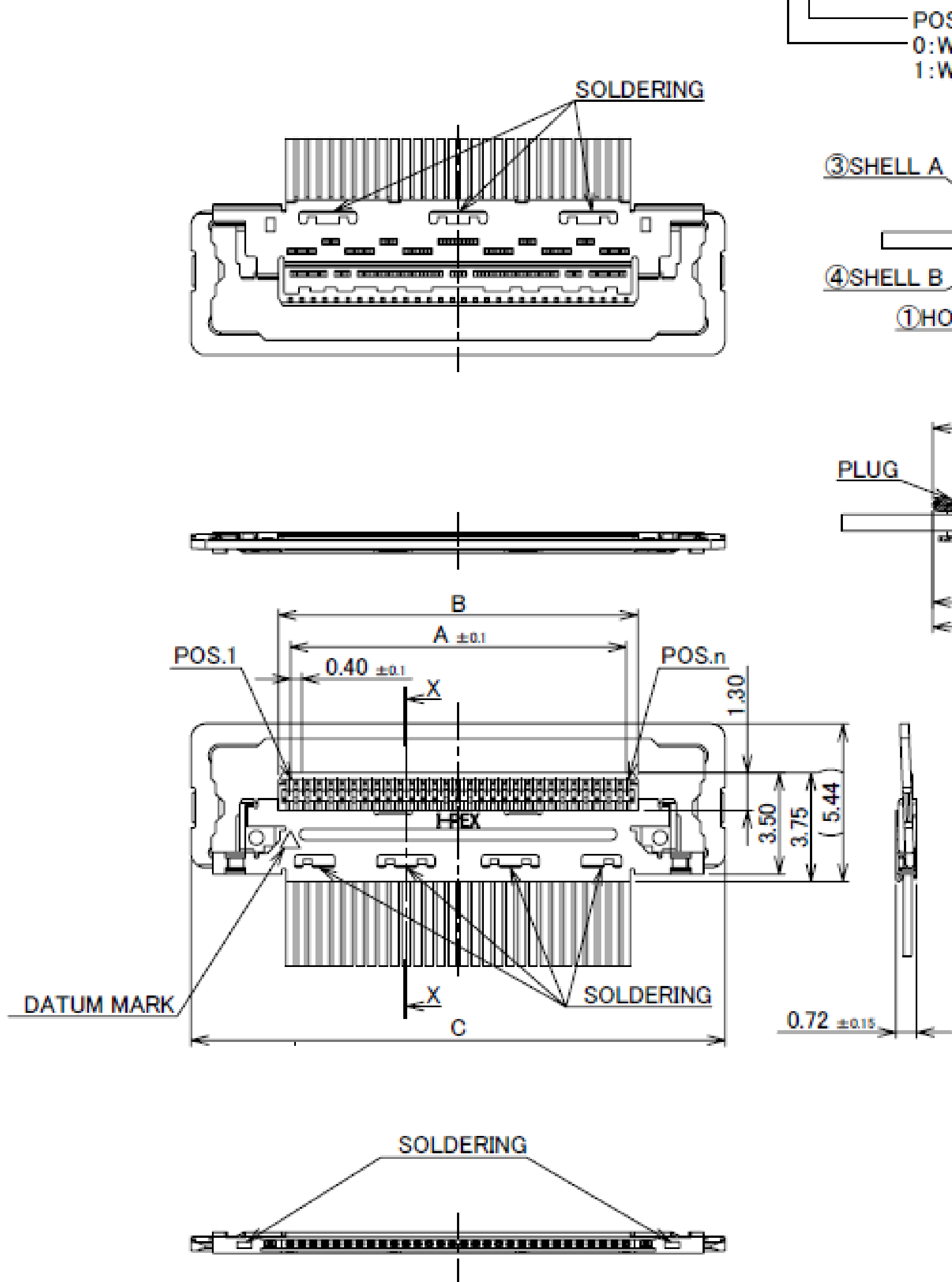
Component Parts



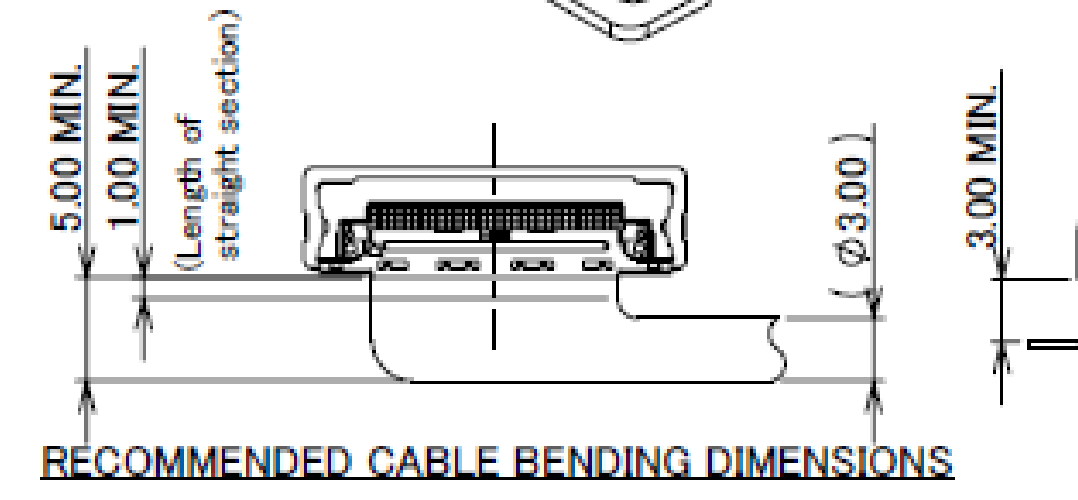
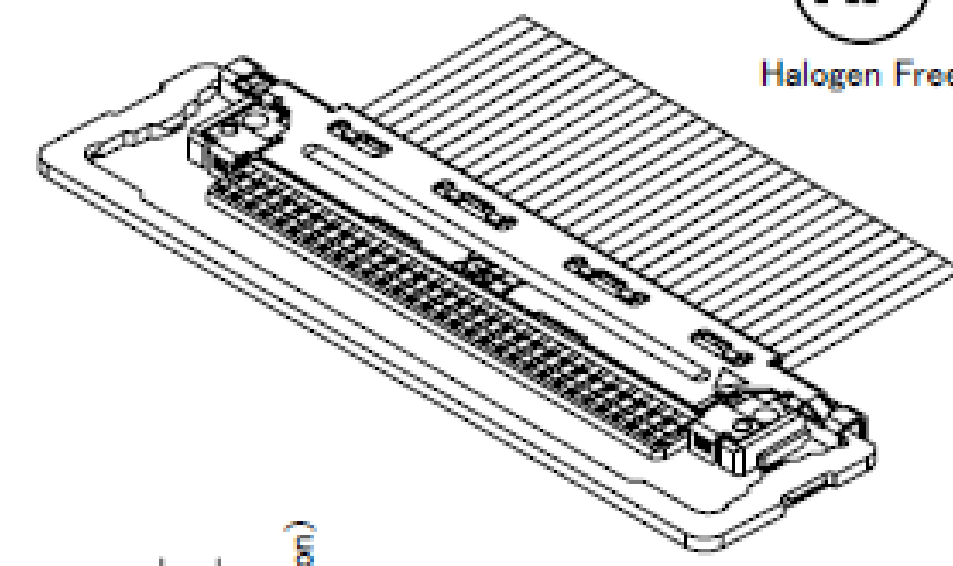
Plug for Cable Assembly

| 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 |

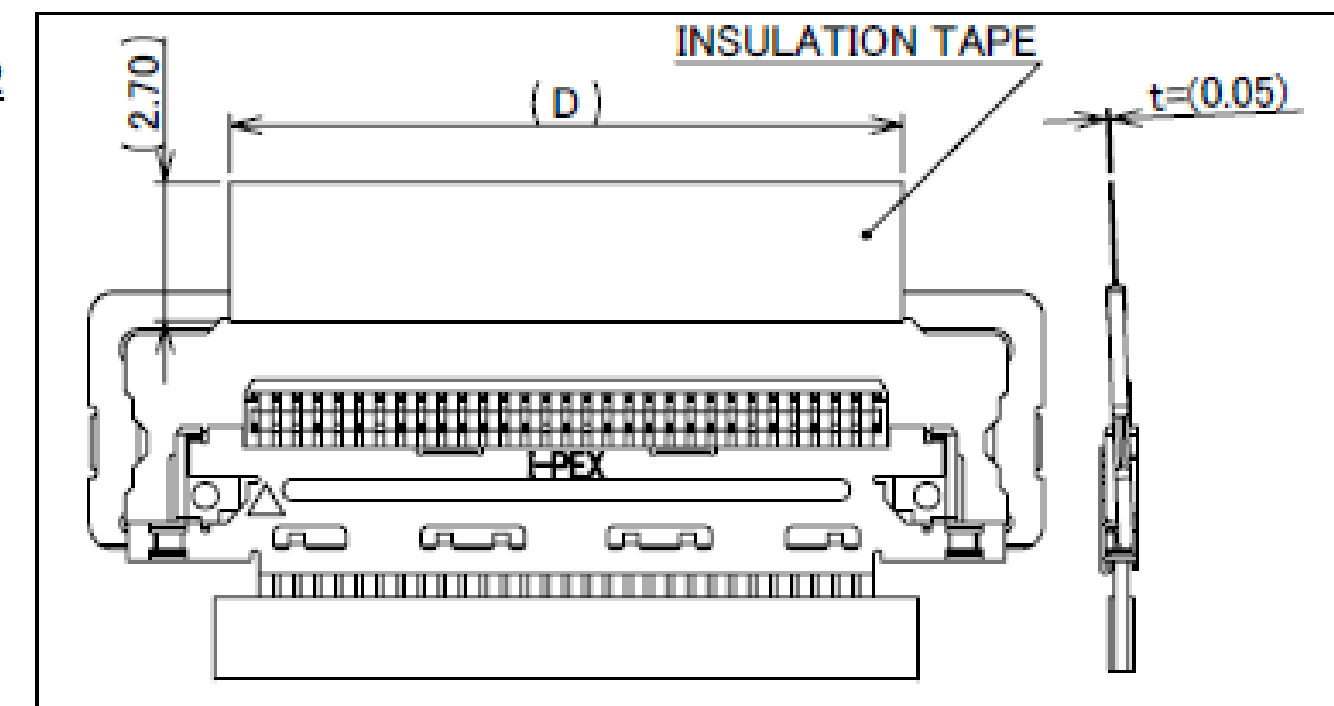
P/N : 20472-***T-10



LATCH MOVEMENTS



RECOMMENDED CABLE BENDING DIMENSIONS



INSULATION TAPE RECOMMENDED DIMENSIONS

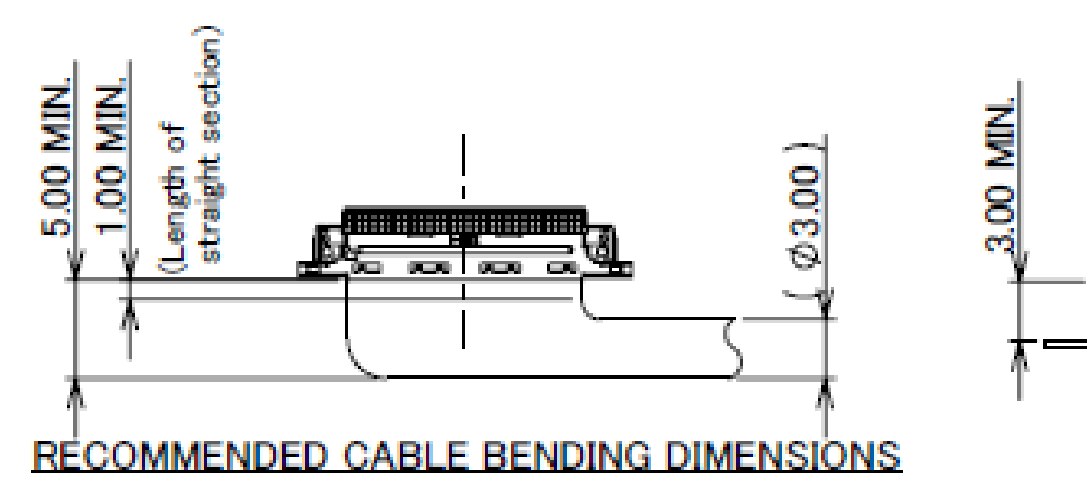
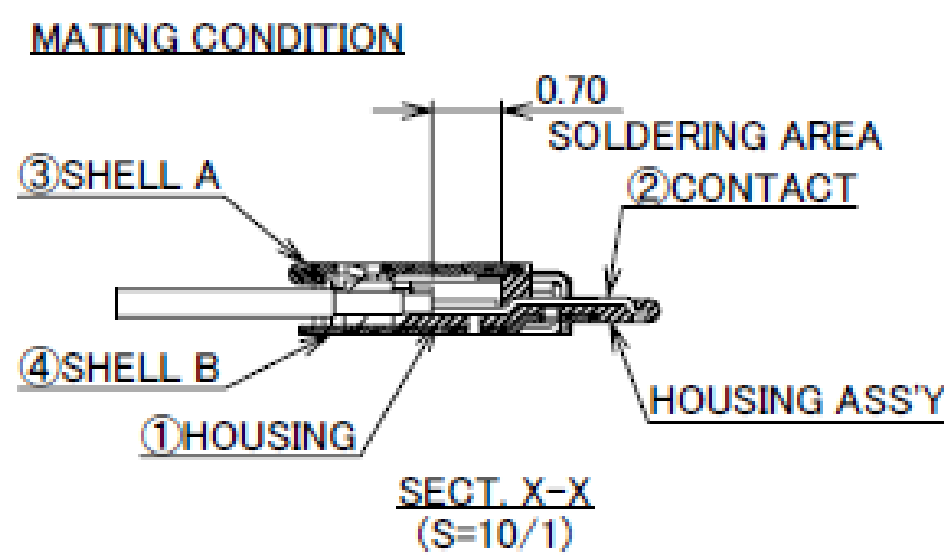
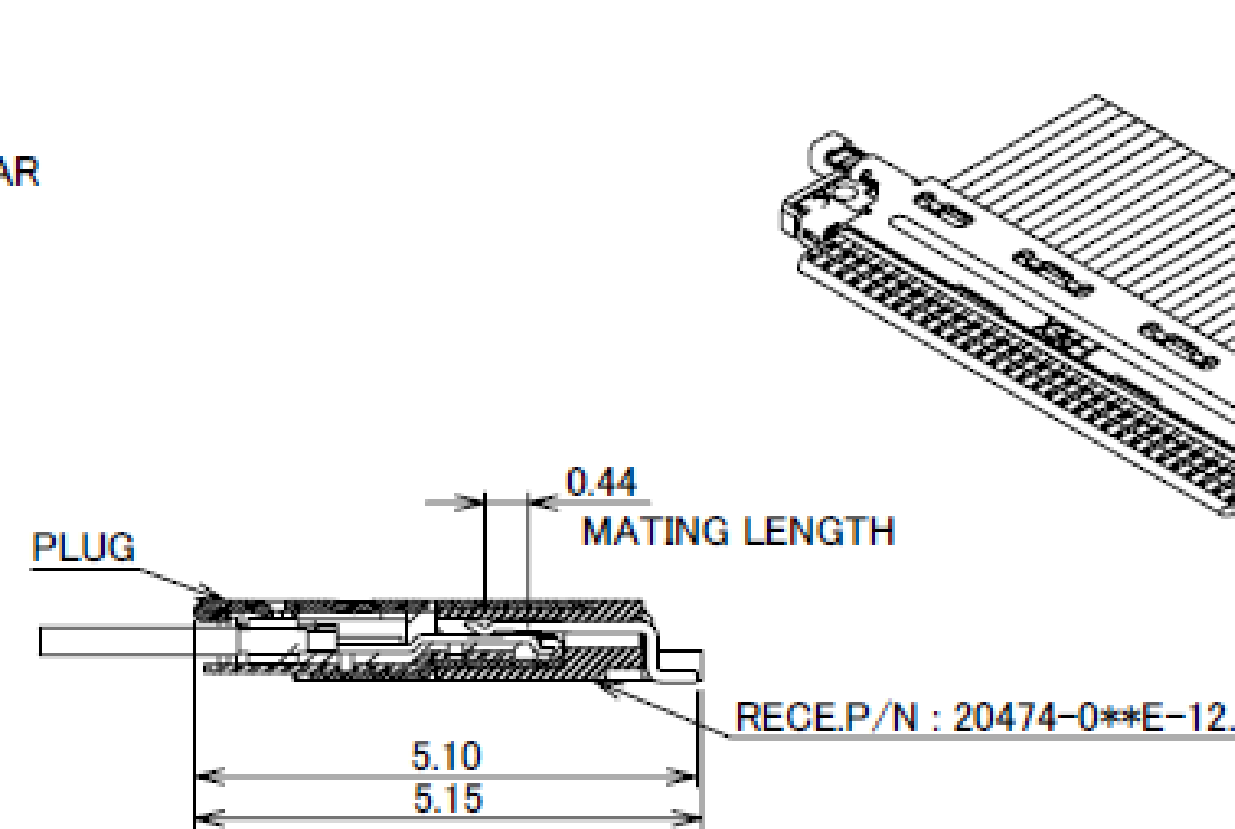
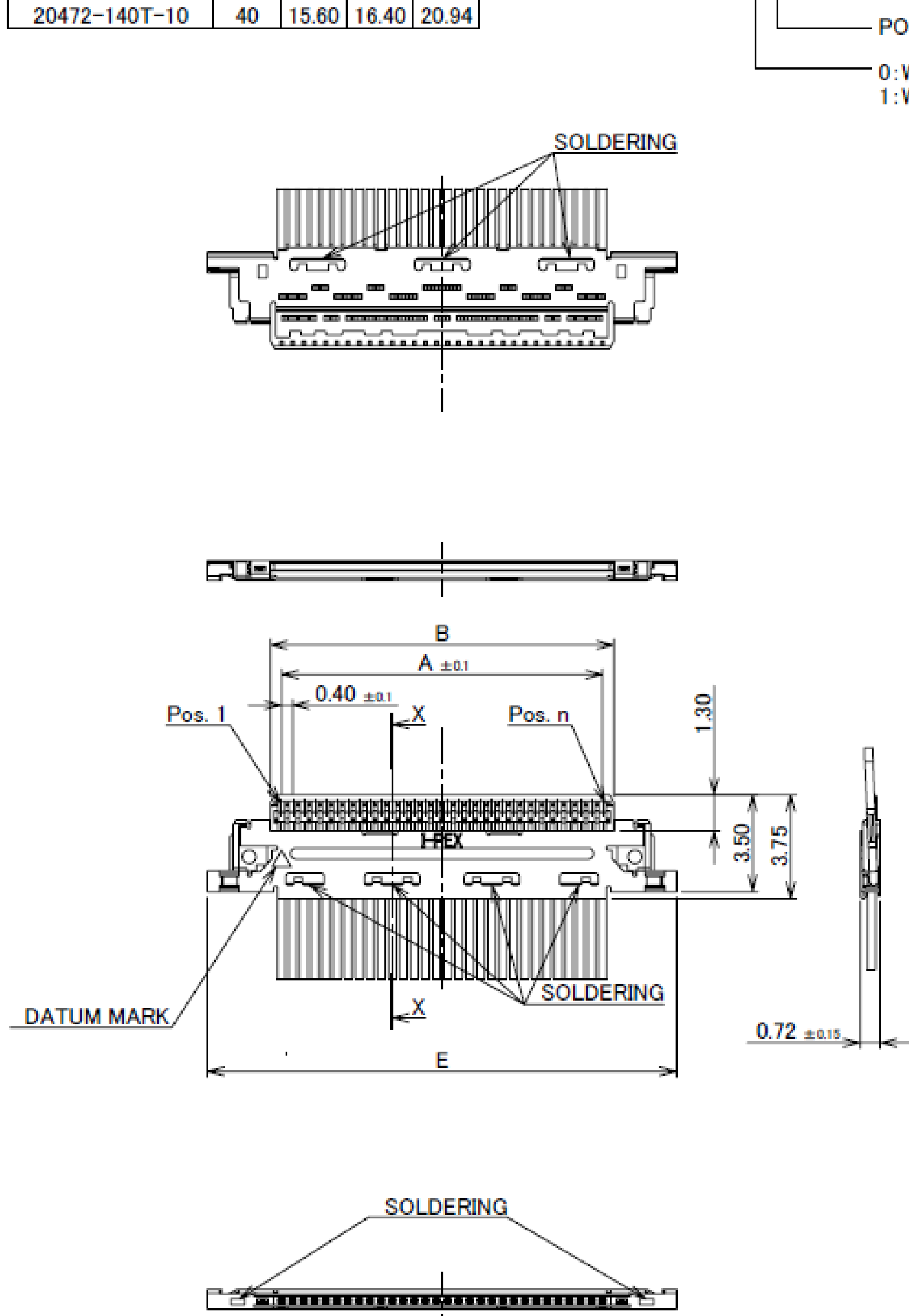
| NO. | DISCRIPTION | MATERIAL | FINISH , REMARKS |
|-----|-------------|-----------------|--------------------------------------|
| 5 | LATCH BAR | SUS | |
| 4 | SHELL B | PHOSPHOR BRONZE | Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. |
| 3 | SHELL A | PHOSPHOR BRONZE | Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. |
| 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



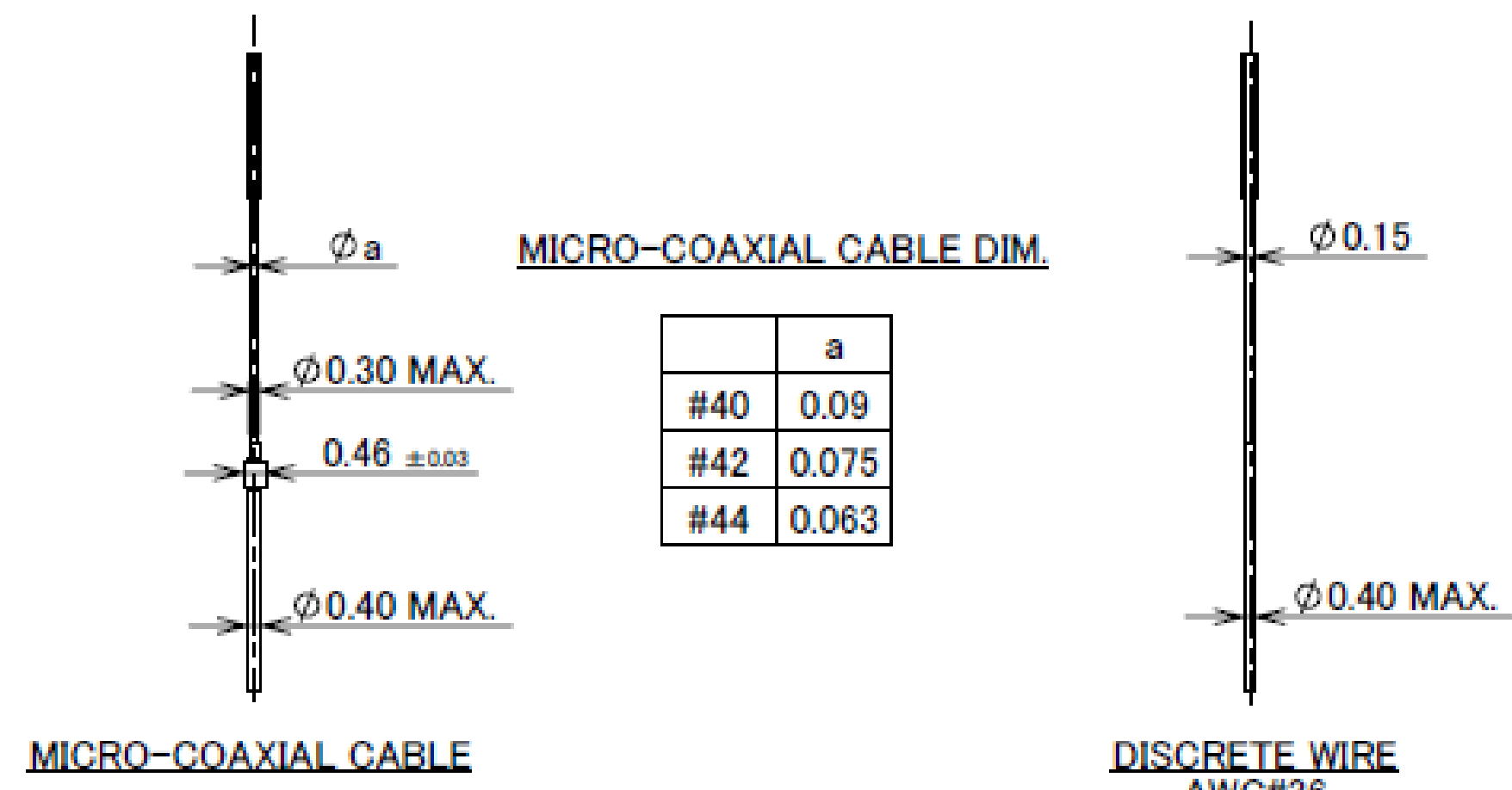
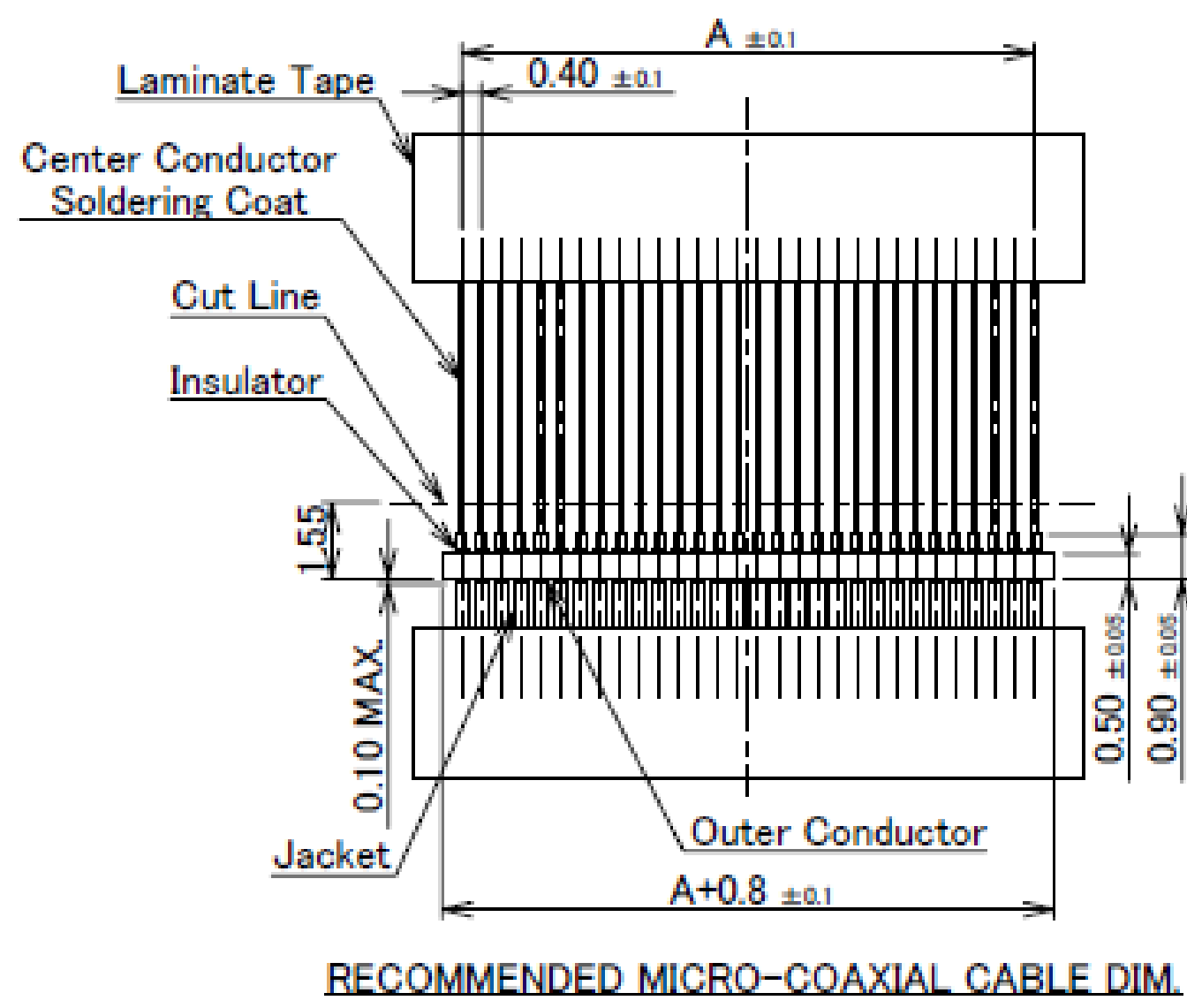
RECOMMENDED CABLE BENDING DIMENSIONS

WITHOUT LATCH BAR

Rev.13

Plug for Cable Assembly

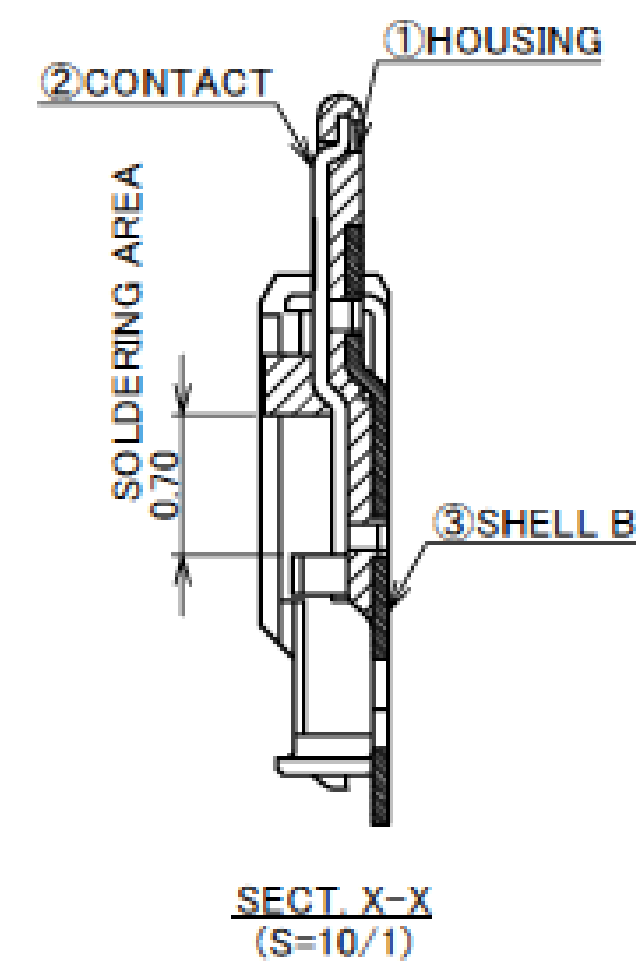
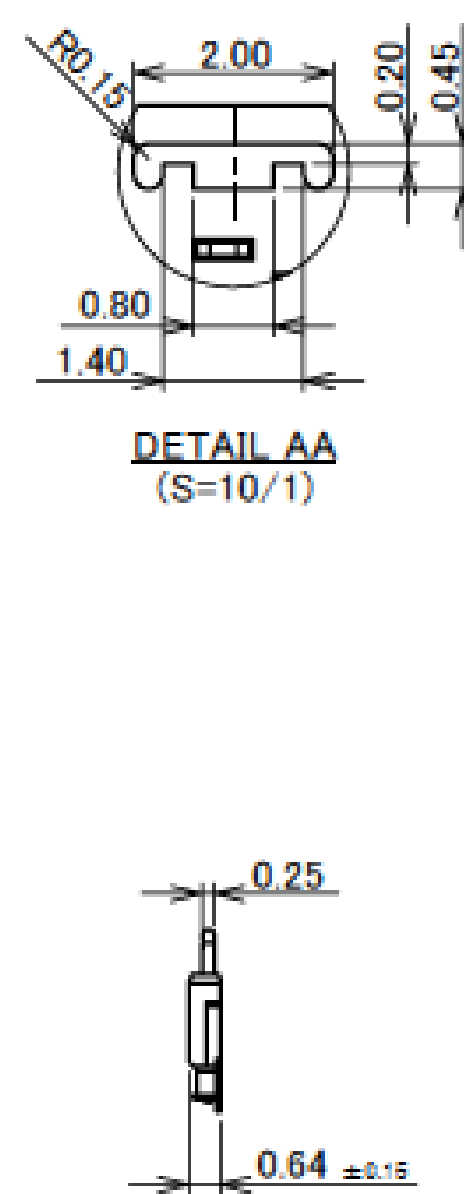
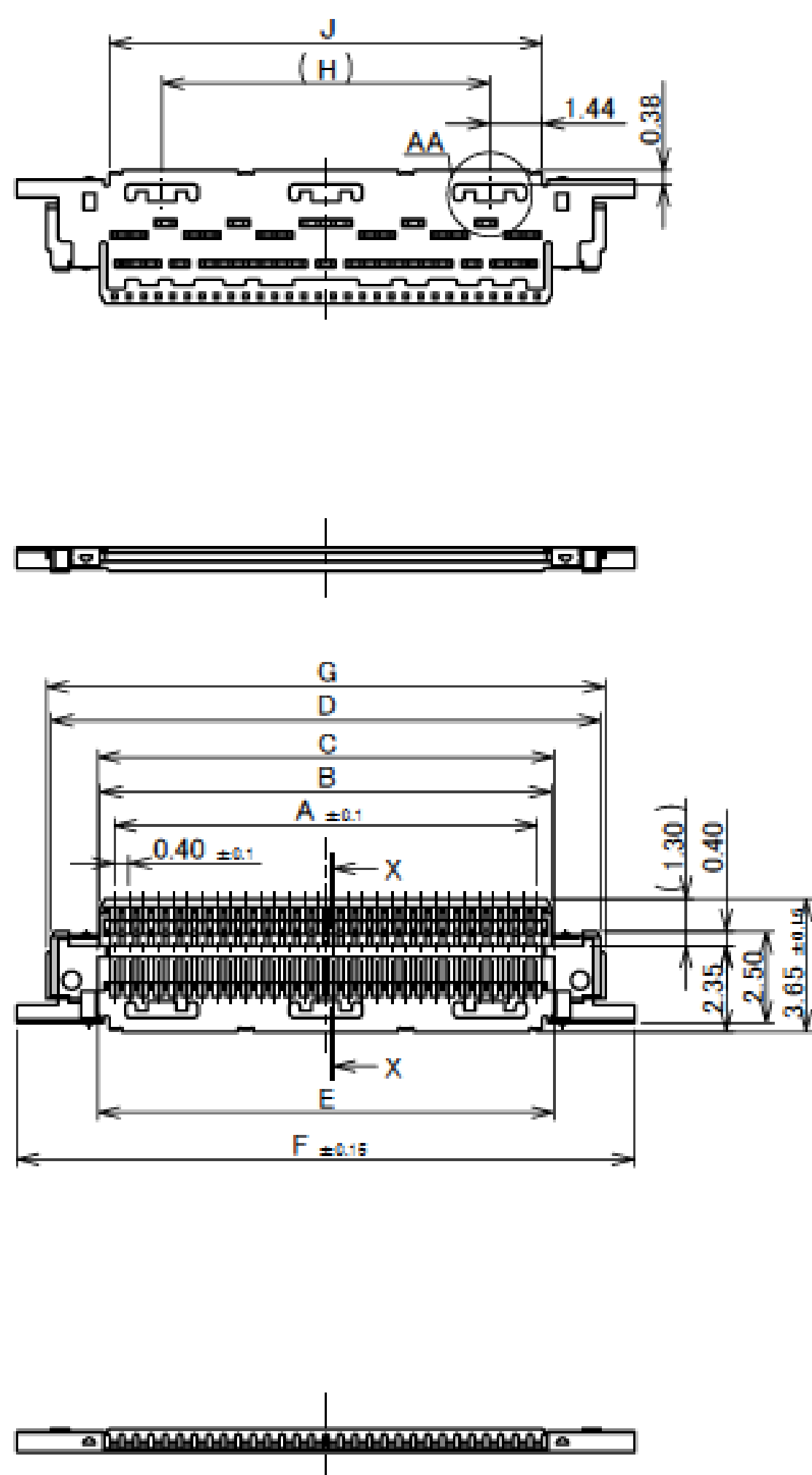
| PART NO. | POS. | A |
|---------------|------|-------|
| 20472-#30T-10 | 30 | 11.60 |
| 20472-#40T-10 | 40 | 15.60 |



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

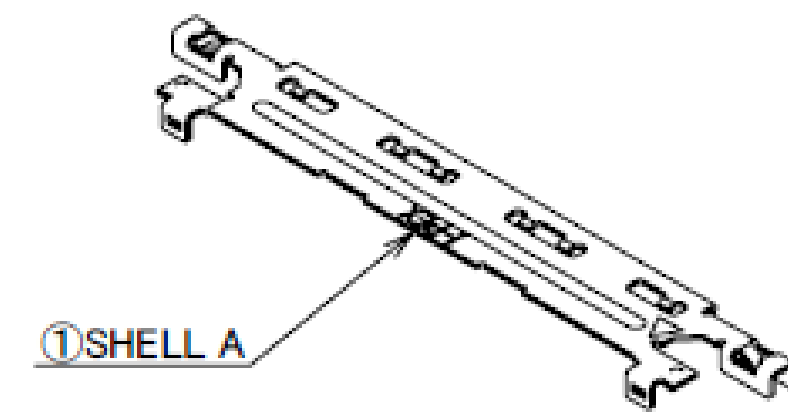
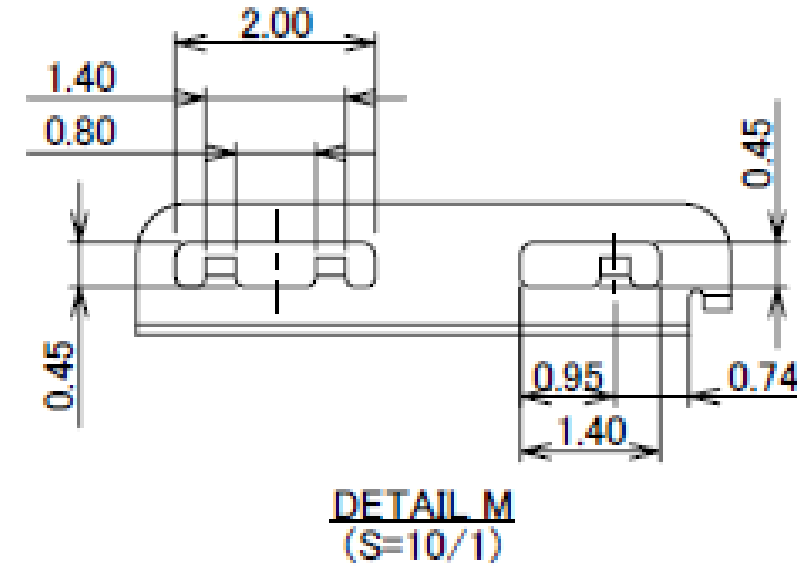
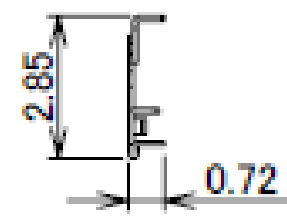
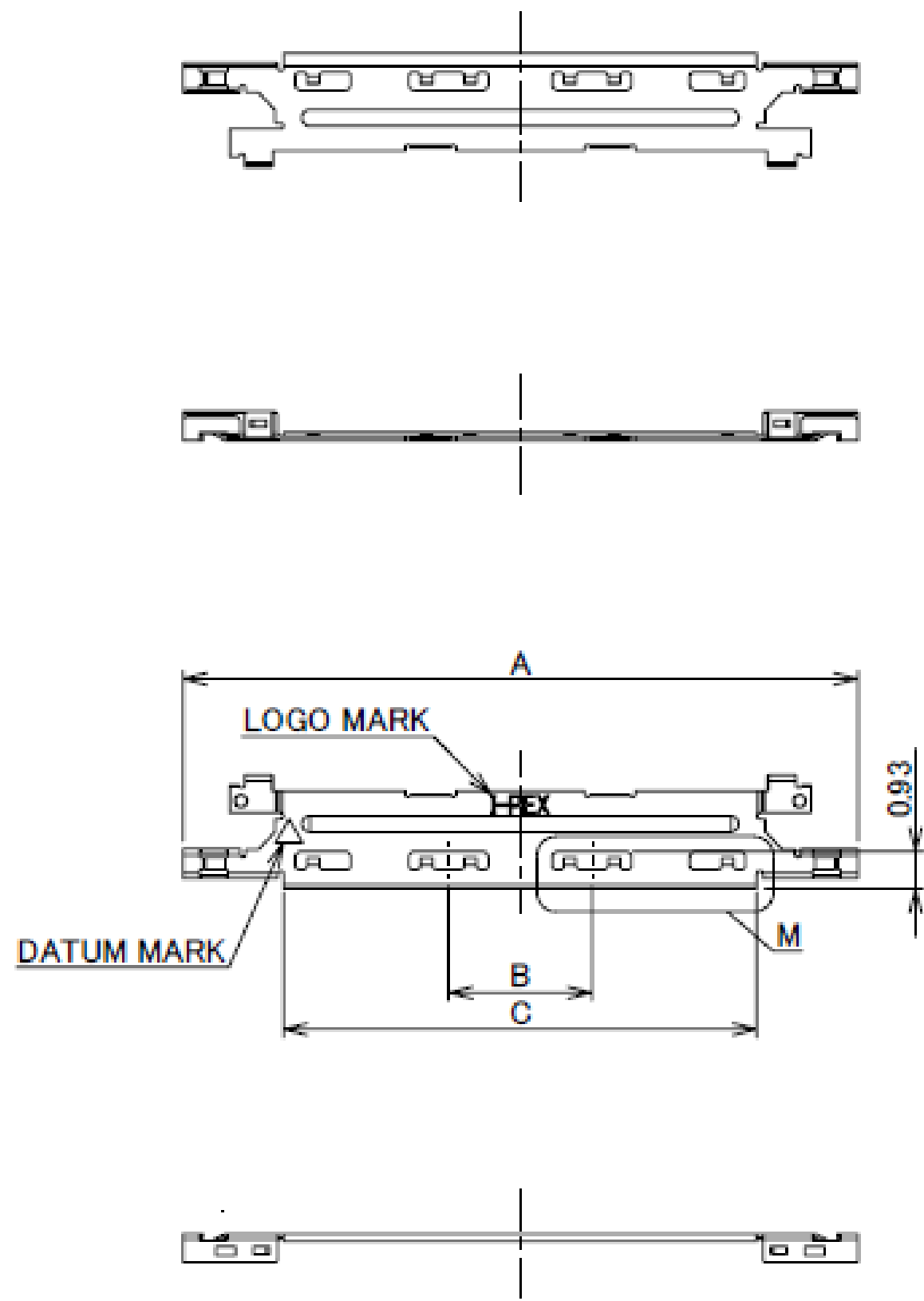
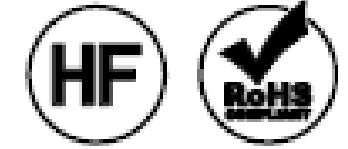
| NO. | DISCRIPTION | MATERIAL | FINISH . REMARKS |
|-----|-------------|-----------------|--------------------------------------|
| 3 | SHELL B | PHOSPHOR BRONZE | Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. |
| 2 | CONTACT | PHOSPHOR BRONZE | Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. |
| 1 | HOUSING | LCP | UL94V-0.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



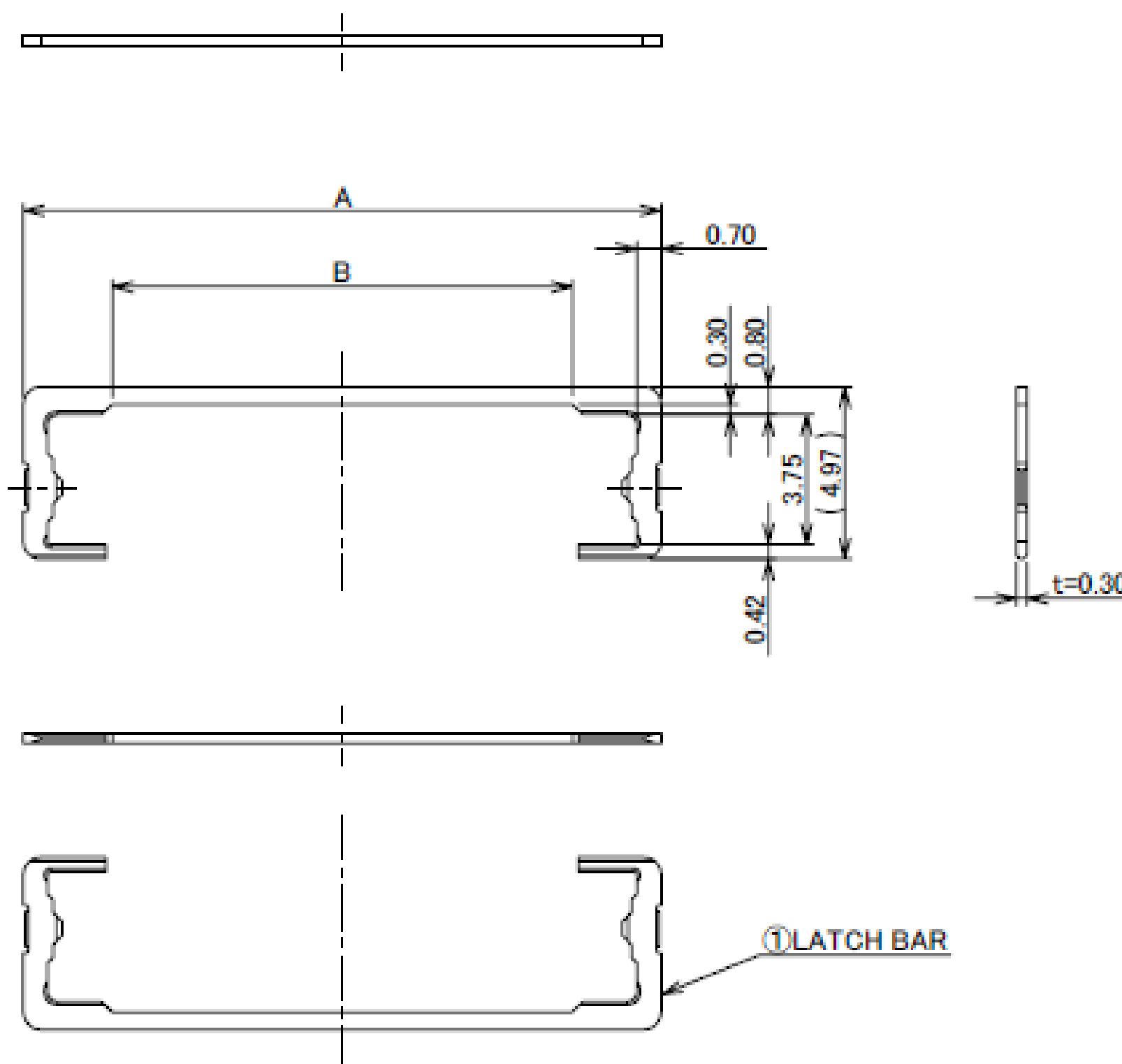
| NO. | DISCRIPTION | MATERIAL | FINISH , REMARKS |
|-----|-------------|-----------------|--------------------------------------|
| 1 | SHELL A | PHOSPHOR BRONZE | Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. |

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.

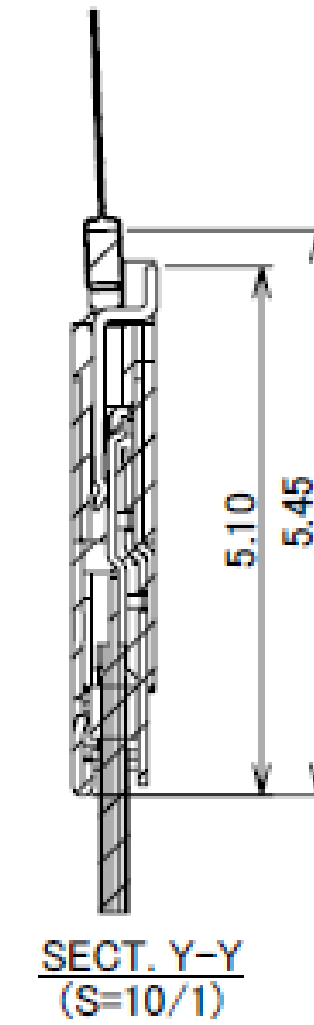
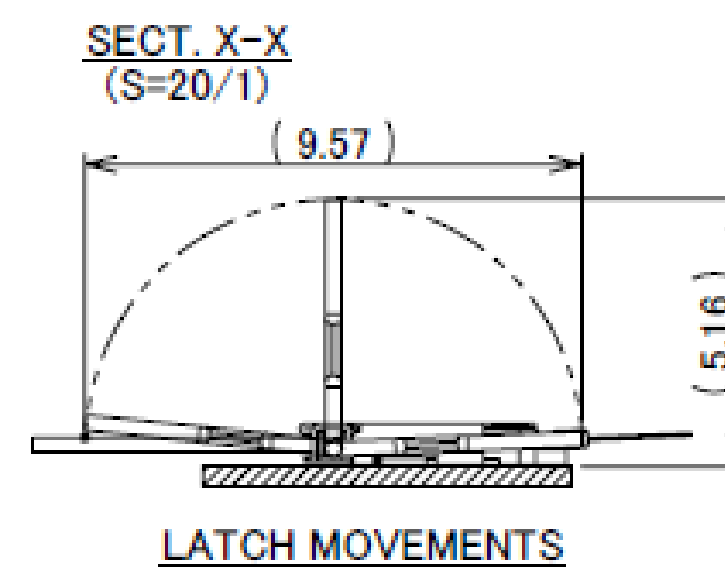
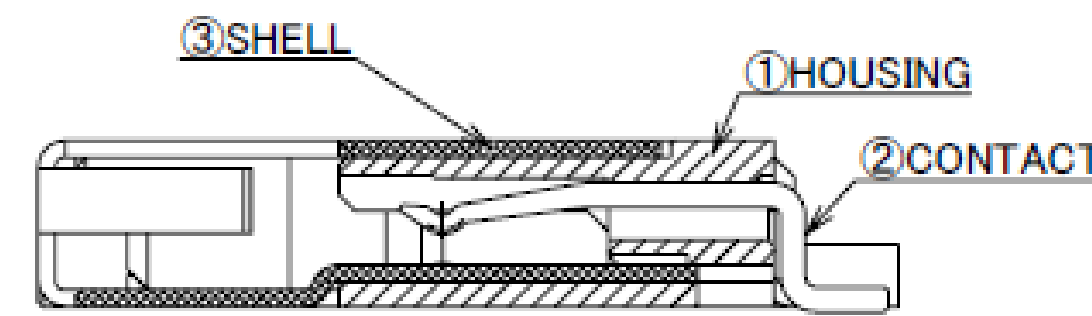
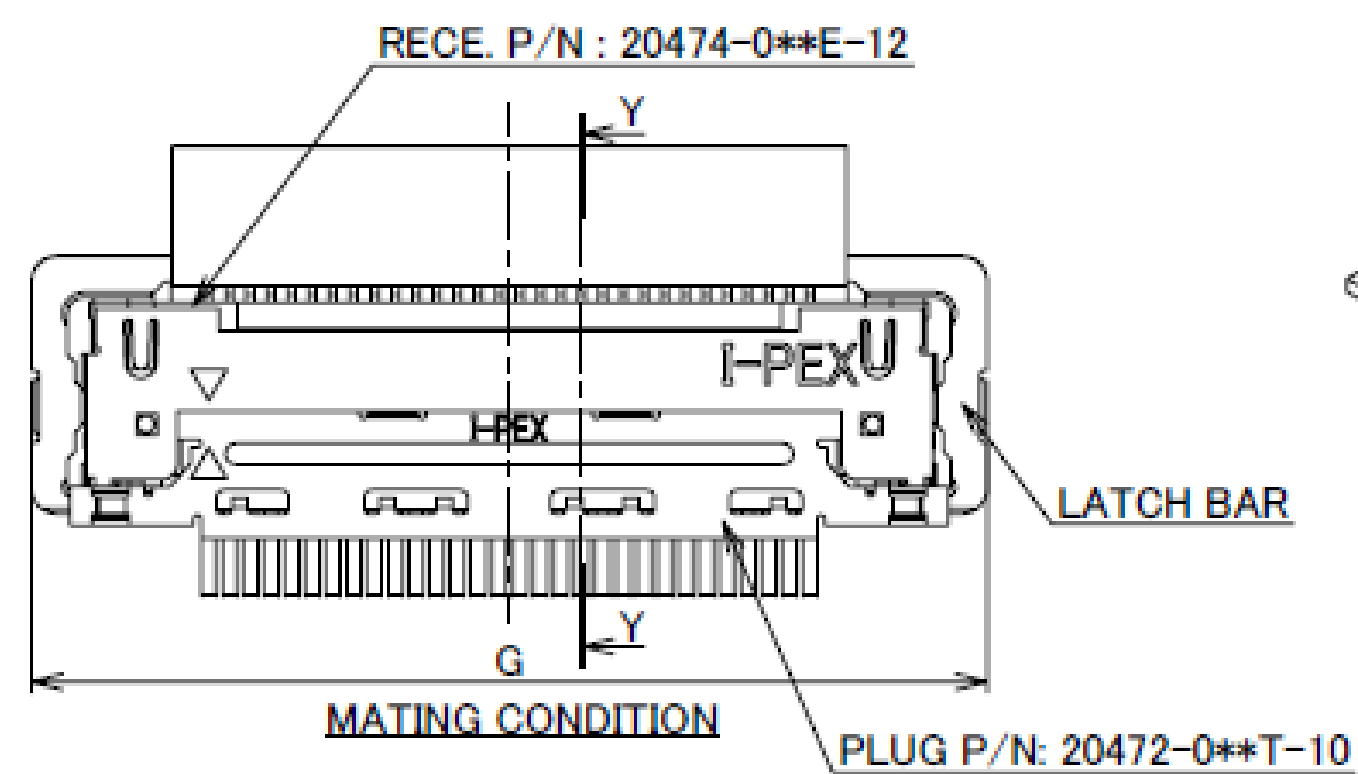
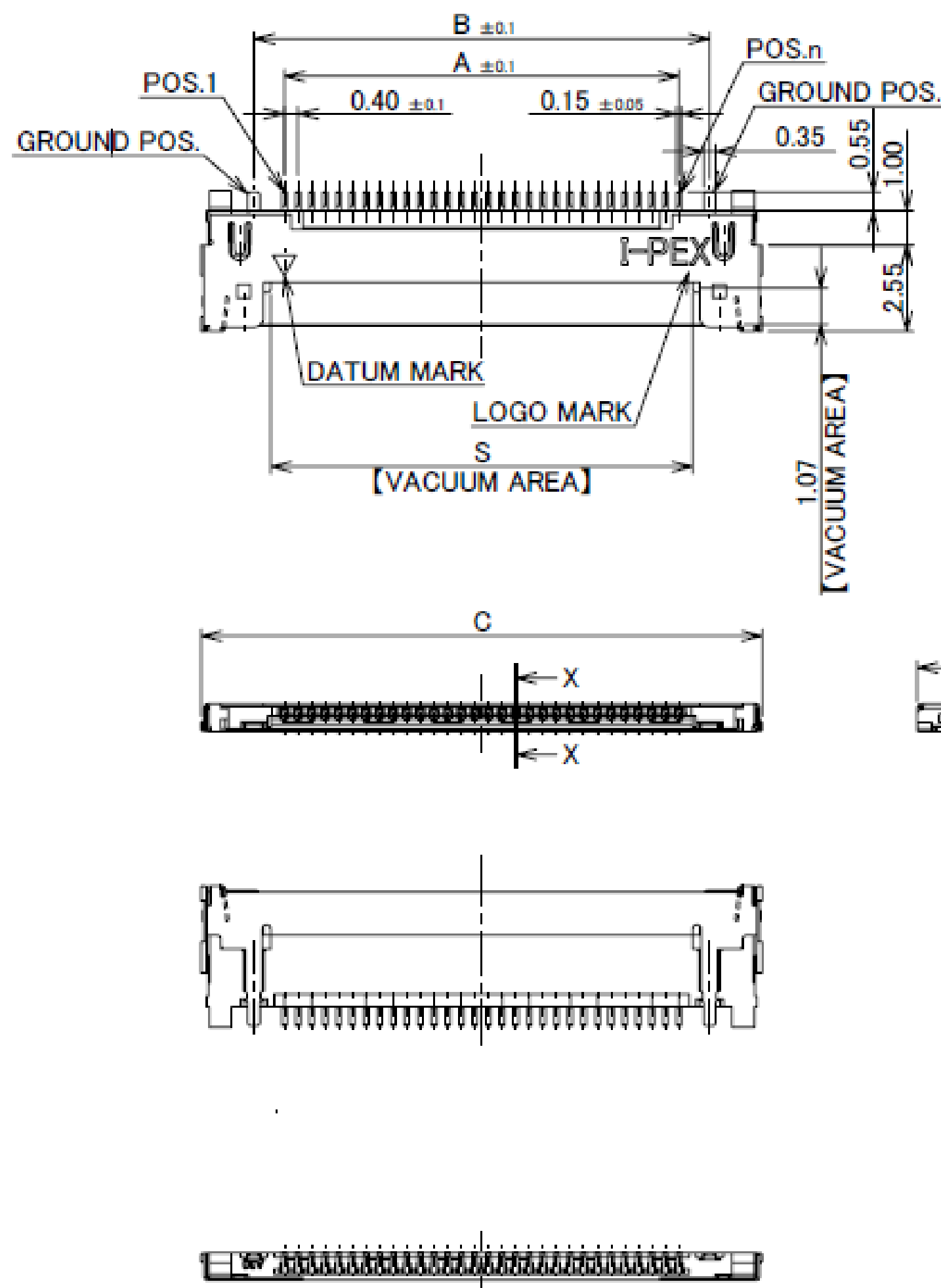


| NO. | DISCRIPTION | MATERIAL | FINISH , REMARKS |
|-----|-------------|----------|------------------|
| 1 | LATCH BAR | SUS | - |

Rev.7

Receptacle Assembly

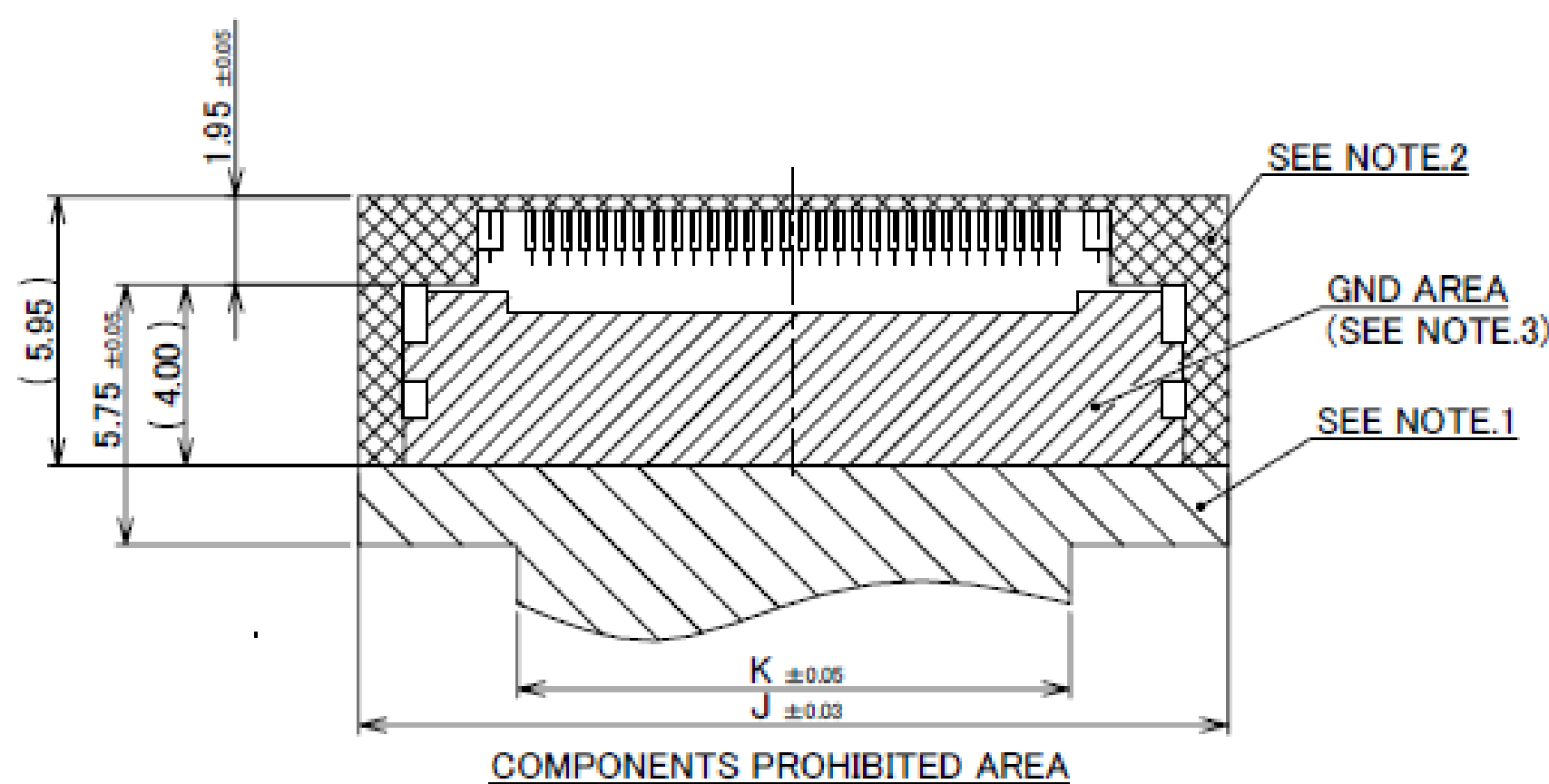
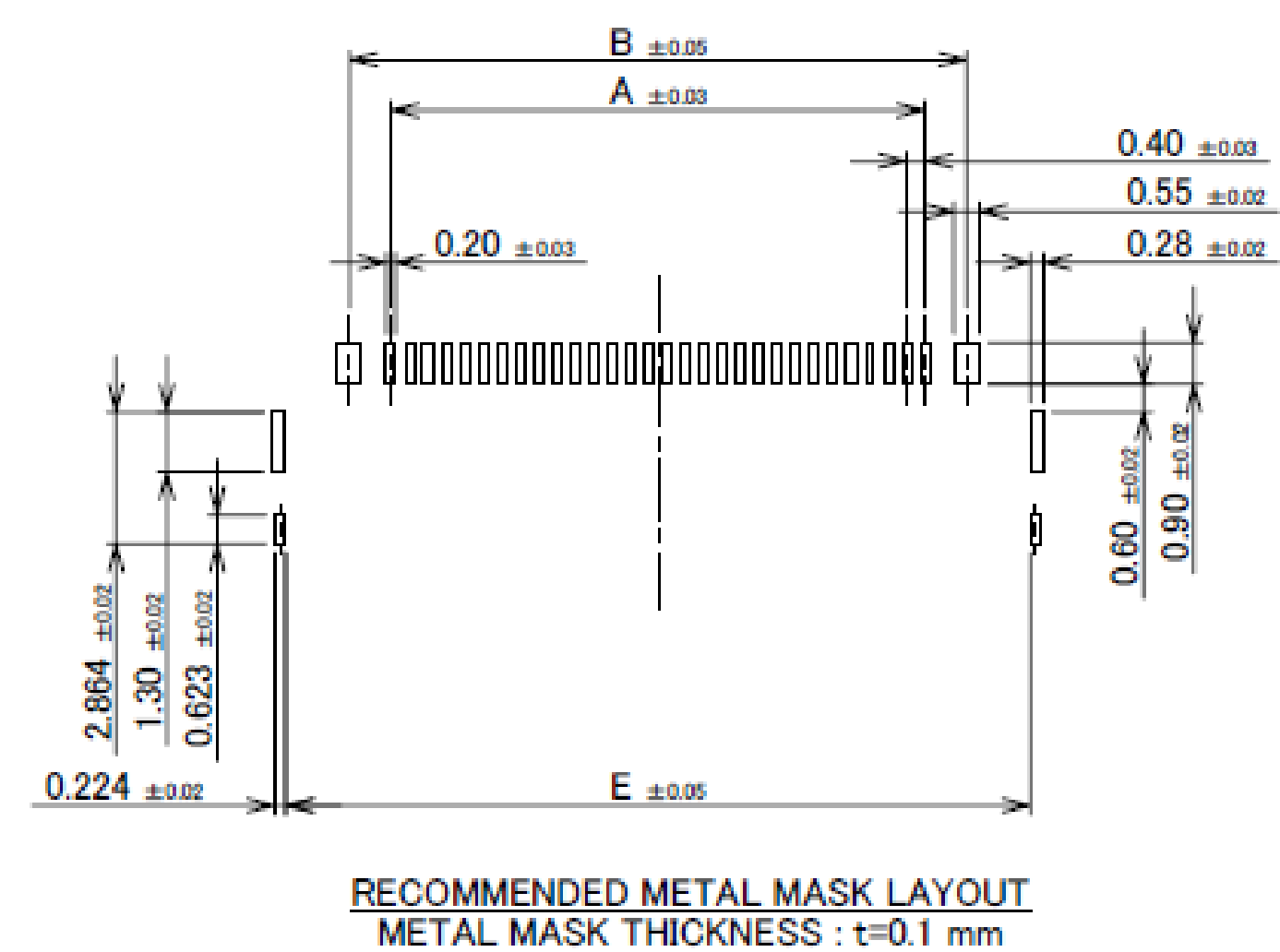
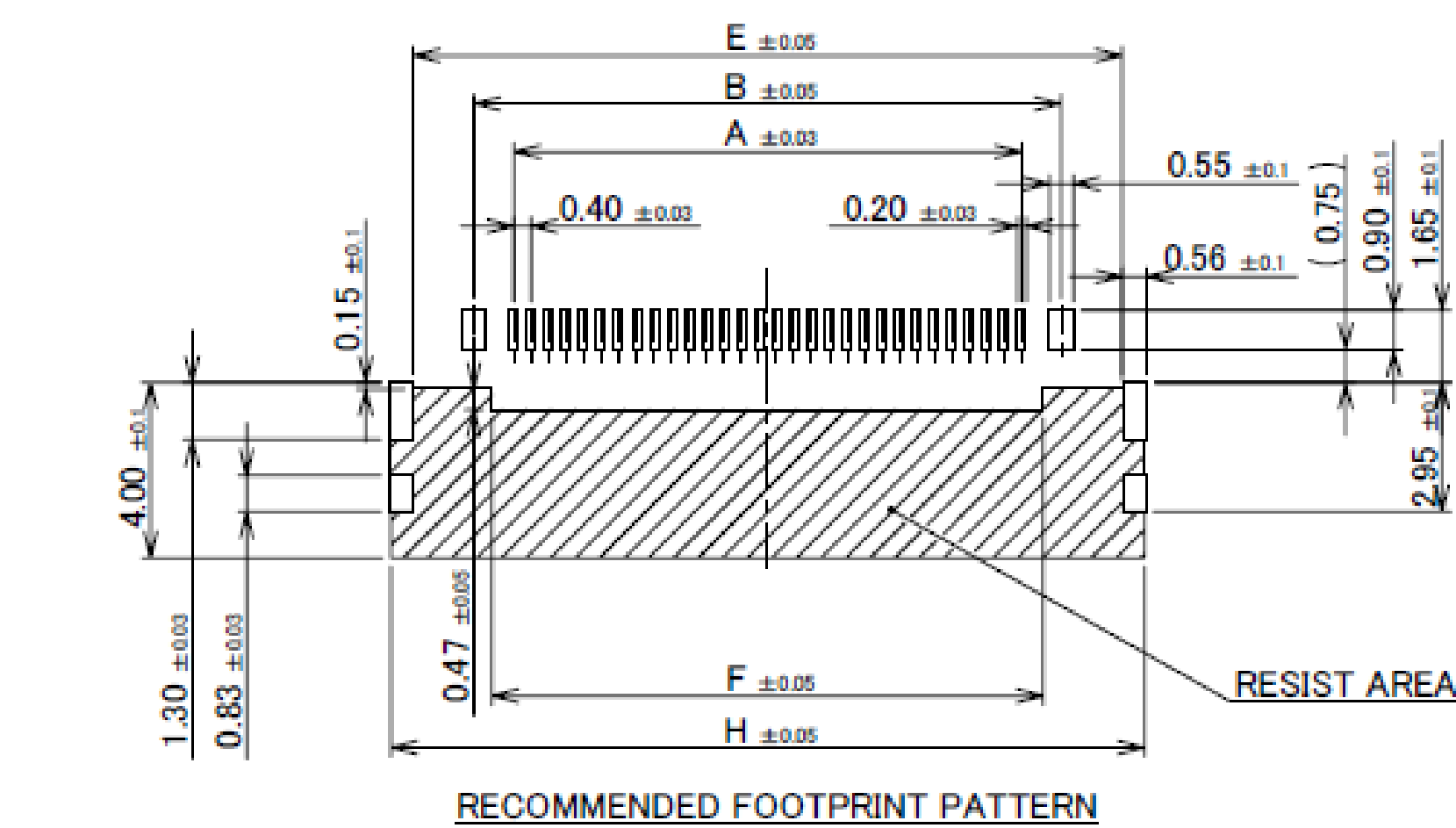
| Recommended P/N | | 20474-0**E-12 | | | | |
|-----------------|------|---------------|-------|-------|-------|-------|
| PART NO. | POS. | A | B | C | G | S |
| 20474-030E-12 | 30 | 11.60 | 13.40 | 16.50 | 18.44 | 12.40 |
| 20474-040E-12 | 40 | 15.60 | 17.40 | 20.50 | 22.44 | 16.40 |



| 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

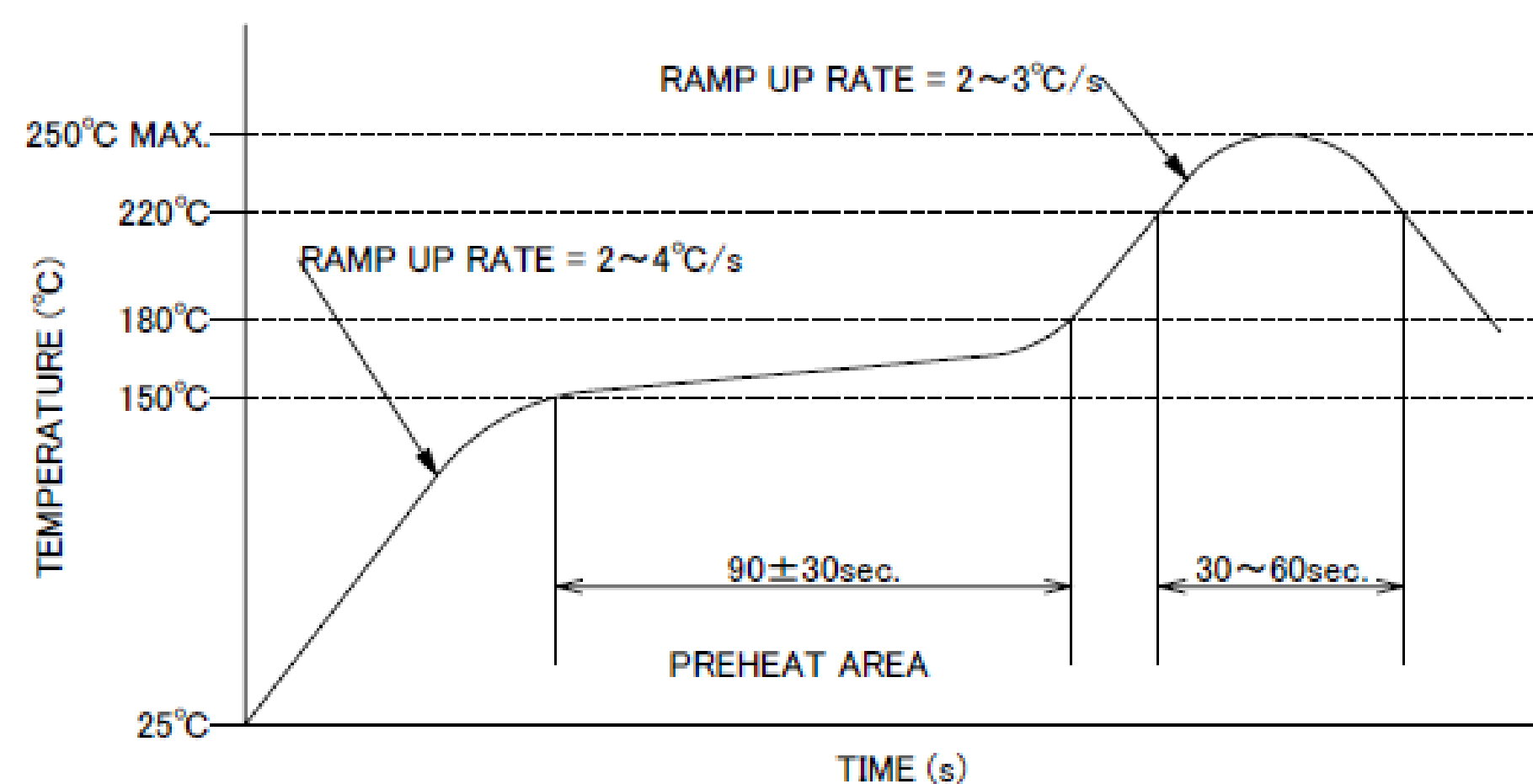
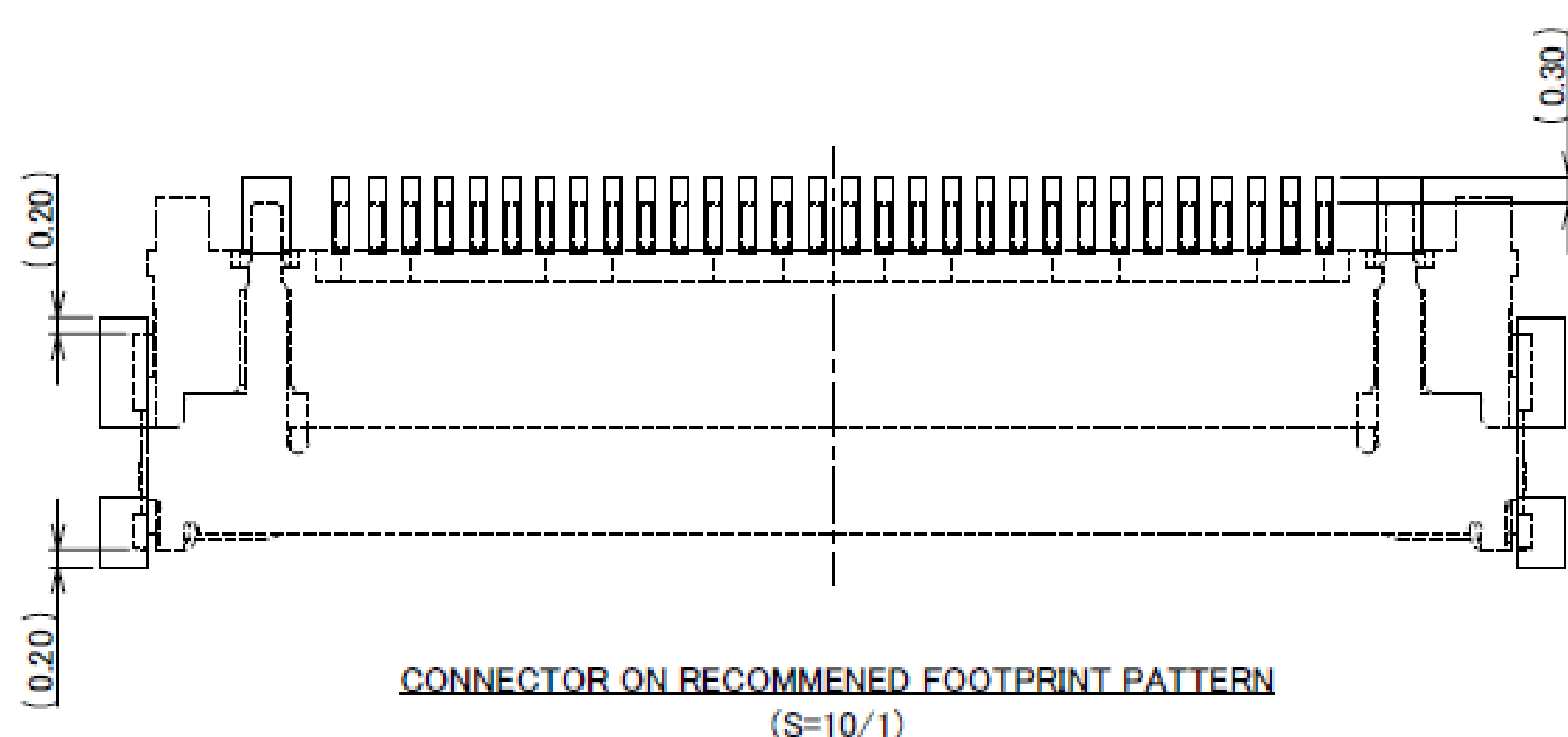
| PART NO. | POS. | A | B | E | F | H | J | K |
|---------------|------|-------|-------|-------|-------|-------|-------|-------|
| 20474-030E-12 | 30 | 11.60 | 13.40 | 16.18 | 12.59 | 17.20 | 19.20 | 12.20 |
| 20474-040E-12 | 40 | 15.60 | 17.40 | 20.18 | 16.59 | 21.20 | 23.20 | 16.20 |



- NOTES.
1. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.
2. IN CASE OF PLUG WITH LATCH BAR(20472-0**T-10), DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.
3. 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

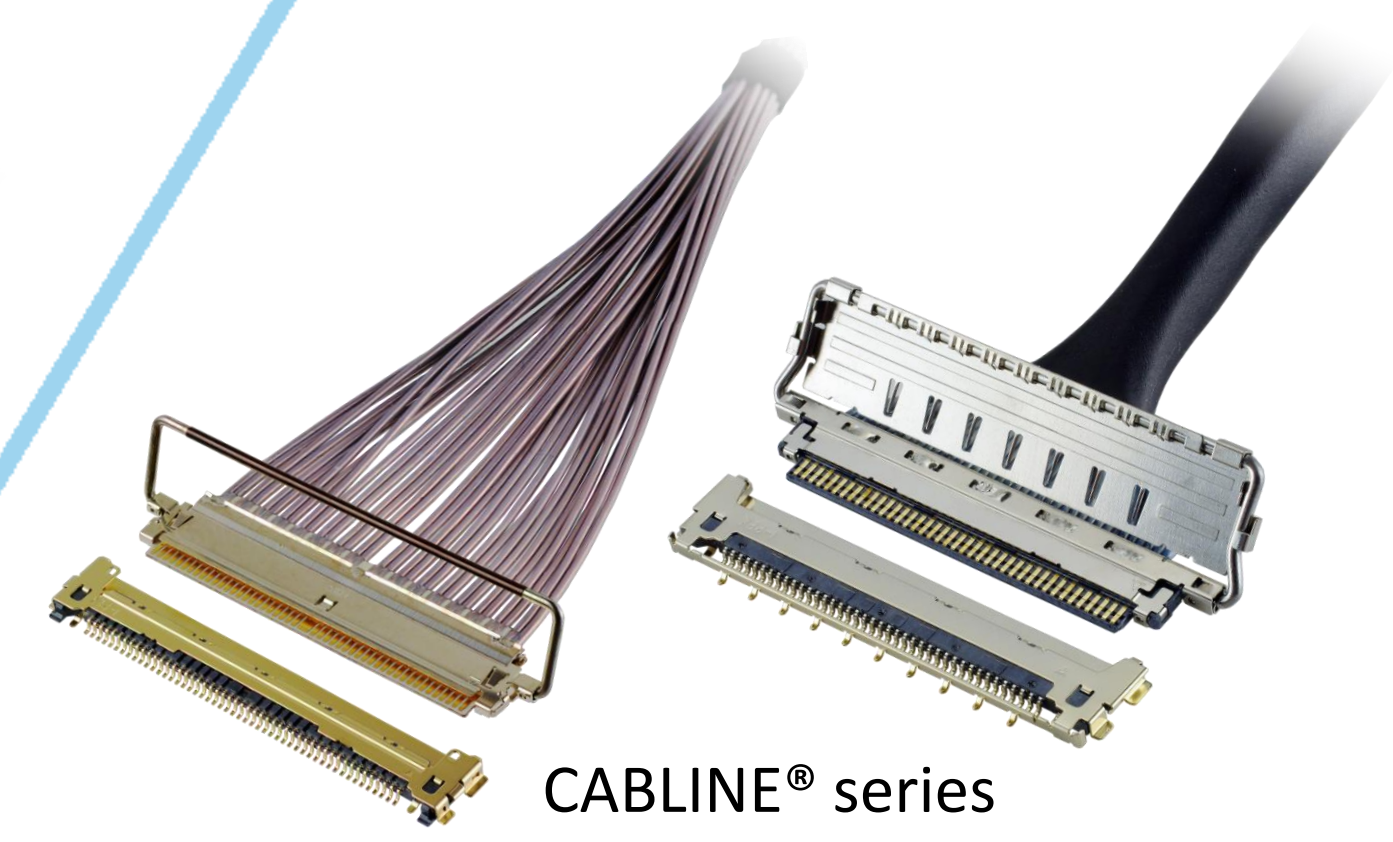
Custom Connectors Available

 RF Connector

MHF® series



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



Optical Module

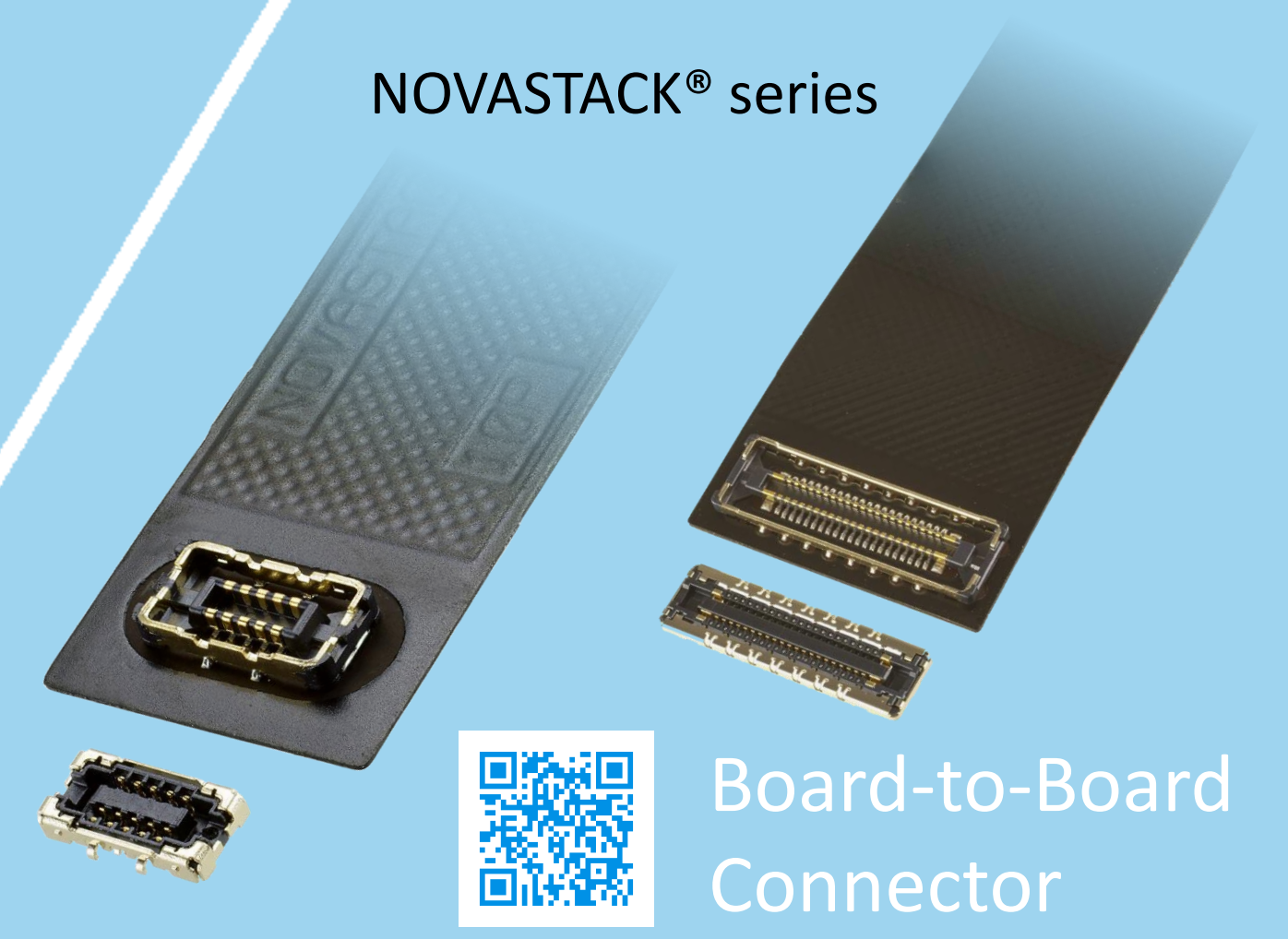
LIGHTPASS® series



NOVASTACK® series



Board-to-Board Connector



Power Connector/
Terminal

AP series

ISH® series



MINIFLEX® series

EVAFLEX® series



FPC FFC Connector



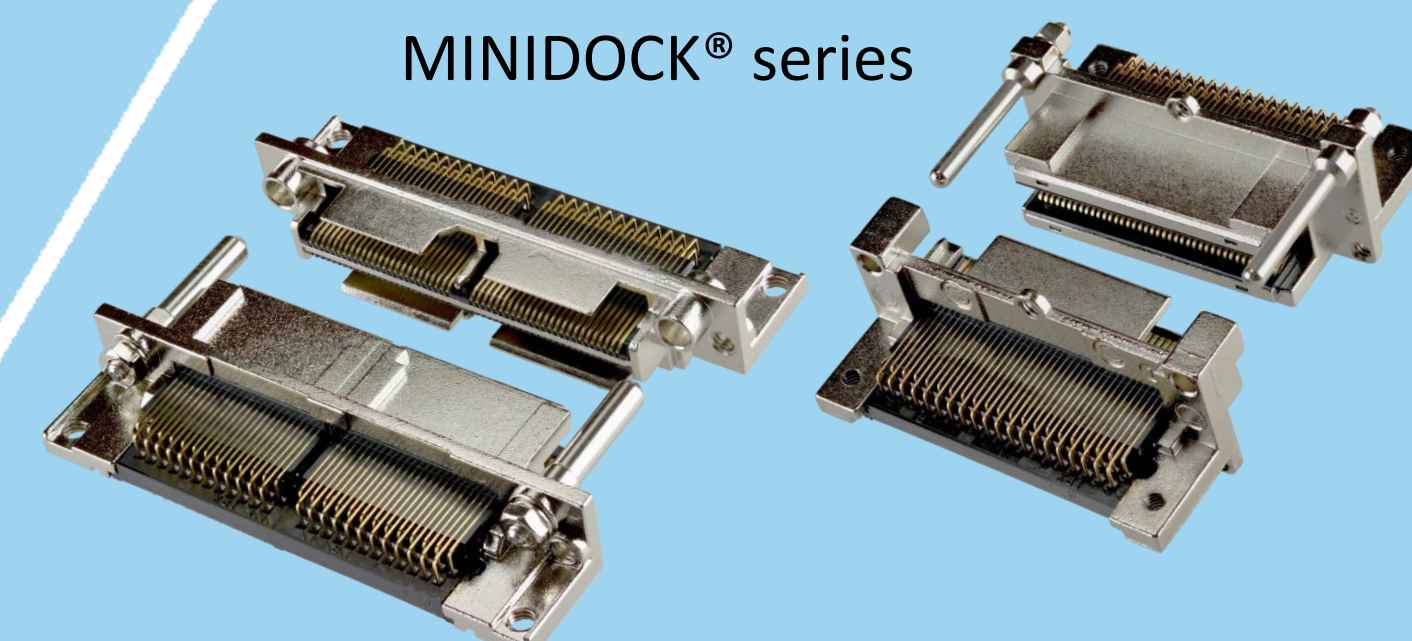
Inquiry



MINIDOCK® series



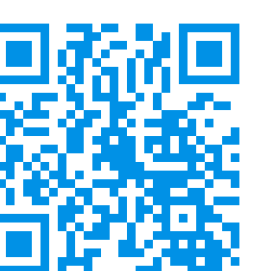
I/O Connector



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Contact your sales representative or more detailed information.

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