

ISH[®] (Vertical Type)

내고온 · 내진동성이 뛰어난 수직 결합 SMT 커넥터

Product Specifications:		Single-row	Double-row
Pitch (mm max.)		2.0	
Contact Size (mm)		0.5 × 0.4(020)	
Mated Height (mm max.)		20.75	
Width formula (mm)		(ISH)7.6+1.0*?pin, (ISHV)10.5+1.0*?pin	
Operating Temperature		-40 - 125°C	
Vibration Resistance		10G	
Current Rating		4.5A per pin	
Voltage Rating		100V	
Withstand Voltage		AC 1000V/minute	
Plating		Sn	
Housing		Male:glass-filled LCP, Female:PBT	
Pin counts	Range	Up to 20	Up to 40
	Available	-	8*, 10, 20, 26

Applicable Cable Size:

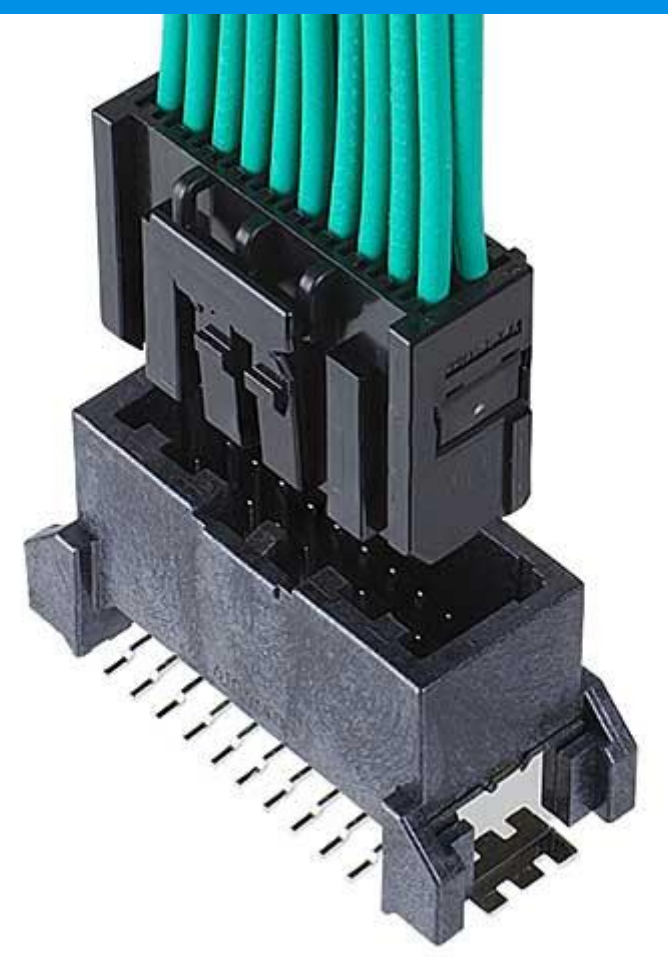
AWG#22,#20

*Insulation Diameter 1.6 mm max.

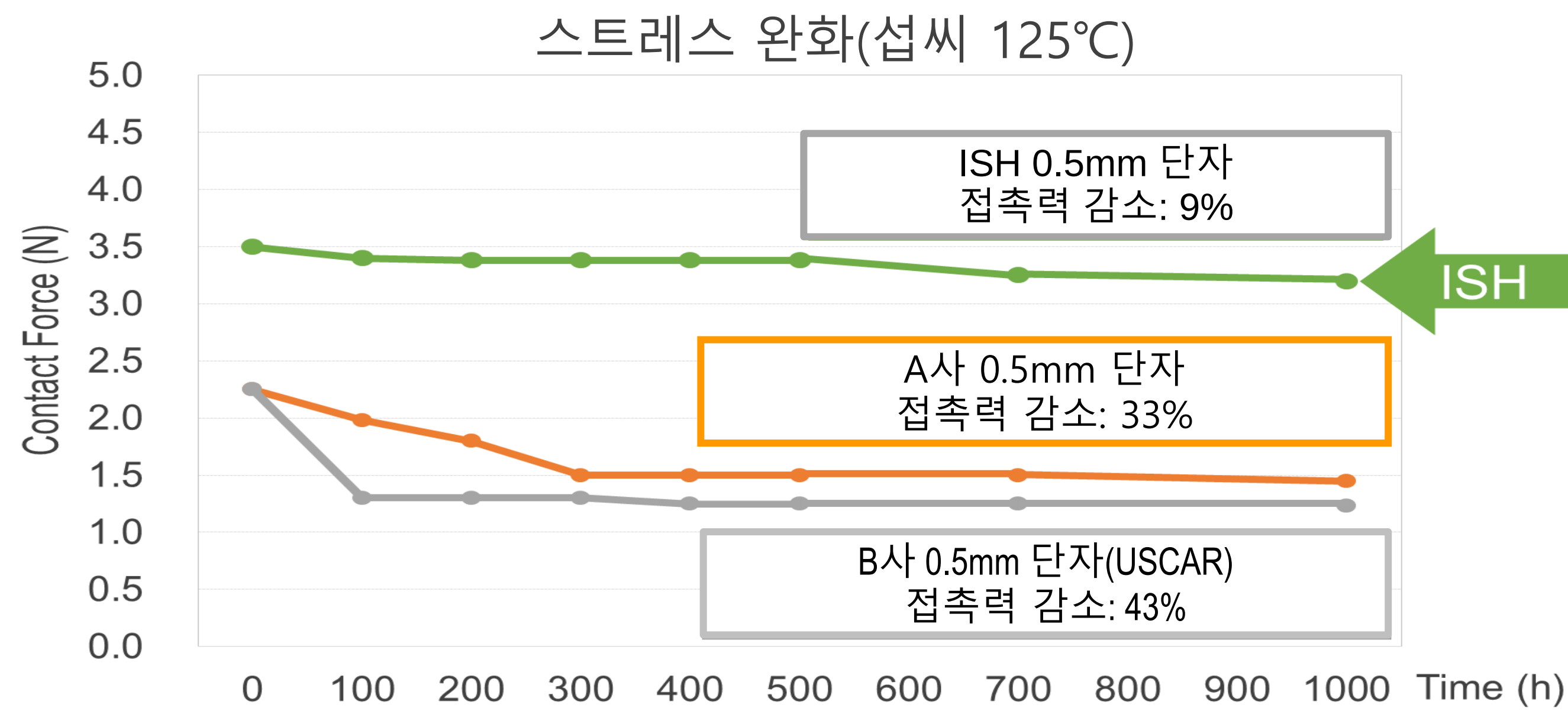
Applicable Standards (Reference Only):

LV214 : 8P (optional)

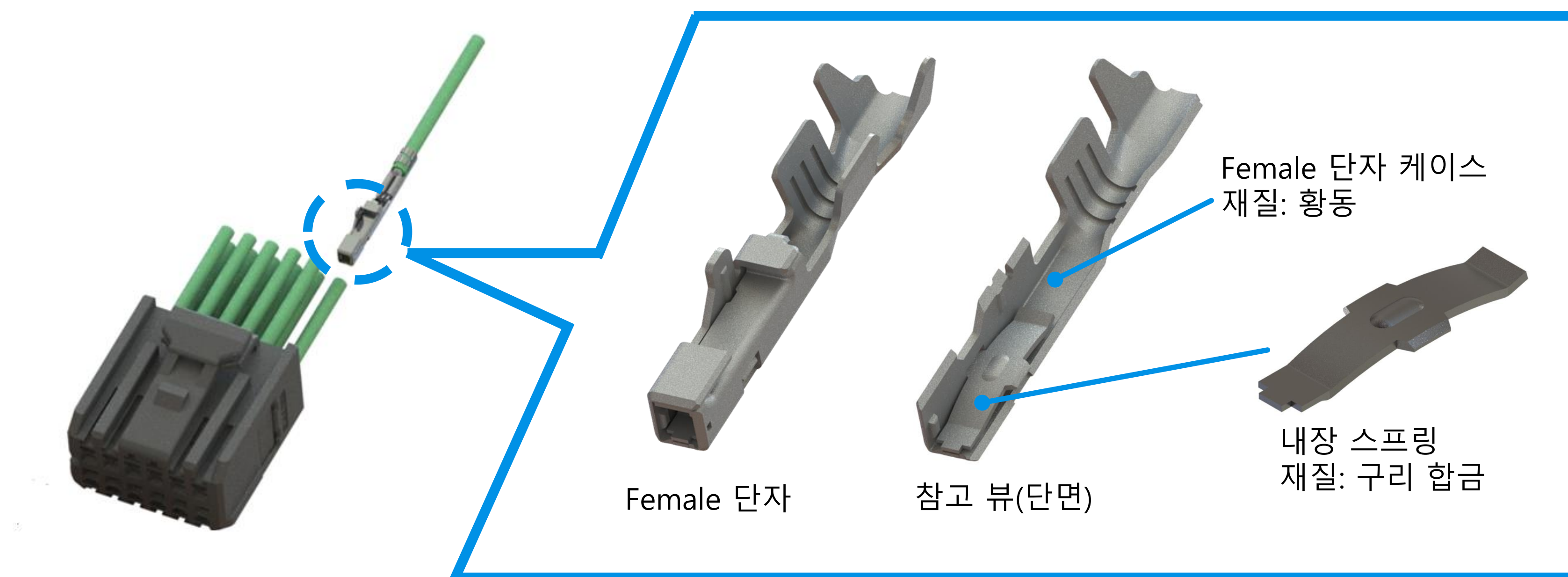
*핀수가 없거나 핀수 범위를 벗어나는 경우 문의해 주십시오.
*ISH V는 8P가 가용합니다.



▶ 높은 접촉 신뢰성을 추구하는 기기에 최적화된 우수한 내고온성·내진동성



▶ 독자적인 스프링 구조 단자에 의한 높은 장기 접촉 신뢰성



▶ LV214 규격 준거, 고온 · 진동 환경인 산업용 등에 최적화 되어 있음

차량 기기



- Head Lamp & 기타 차량 조명 기기
- Inverter & DC/DC Converter
- Battery Control Module
- Front / Rear Camera ECU
- 차량 Infotainment

기타 기기



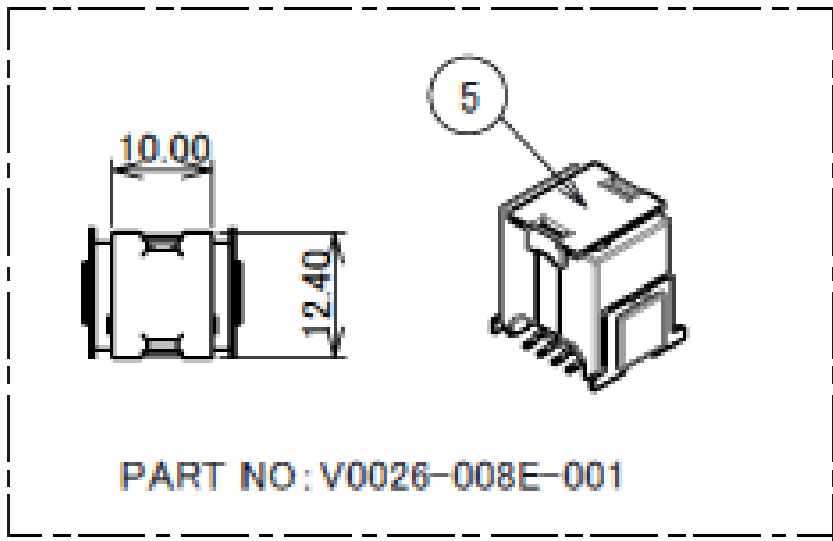
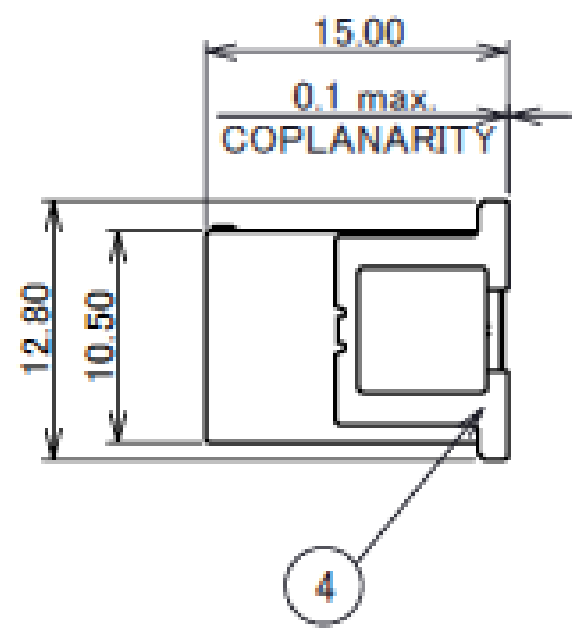
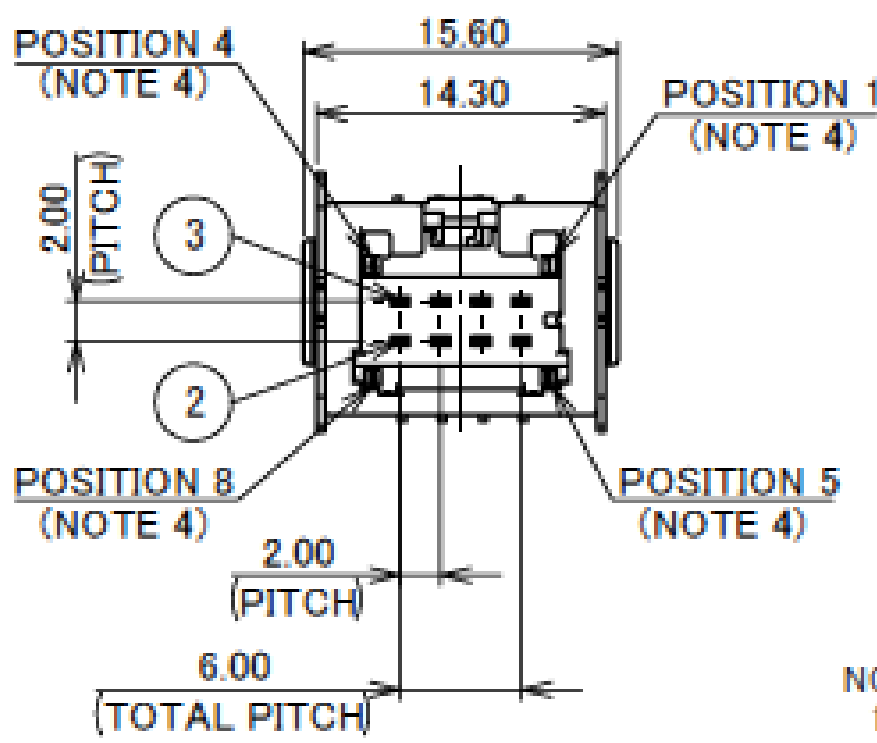
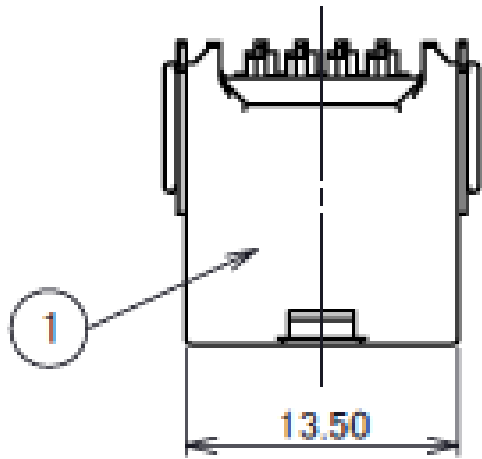
- Off Road차 (ATV/UTV차, QUAD차, 3륜차)
- 트럭, 농업 · 건설기(유압식 굴삭기, 건설 기계 로더)
- 공장 자동화

LV214 규격 준거가 필요한 기기
LV214 준거 품번에 대해서는 [당사 Home Page](#)에서 확인 가능합니다.

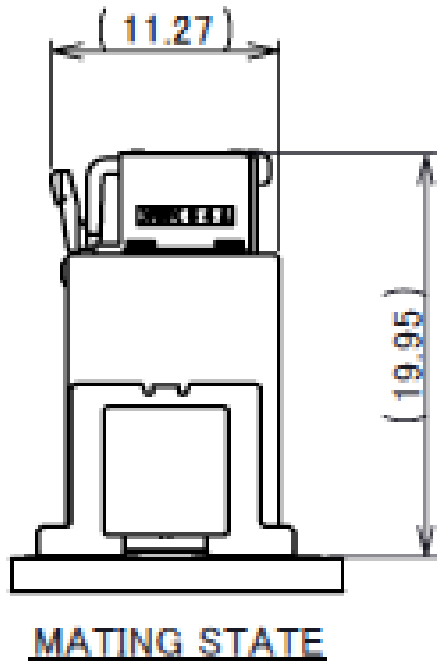
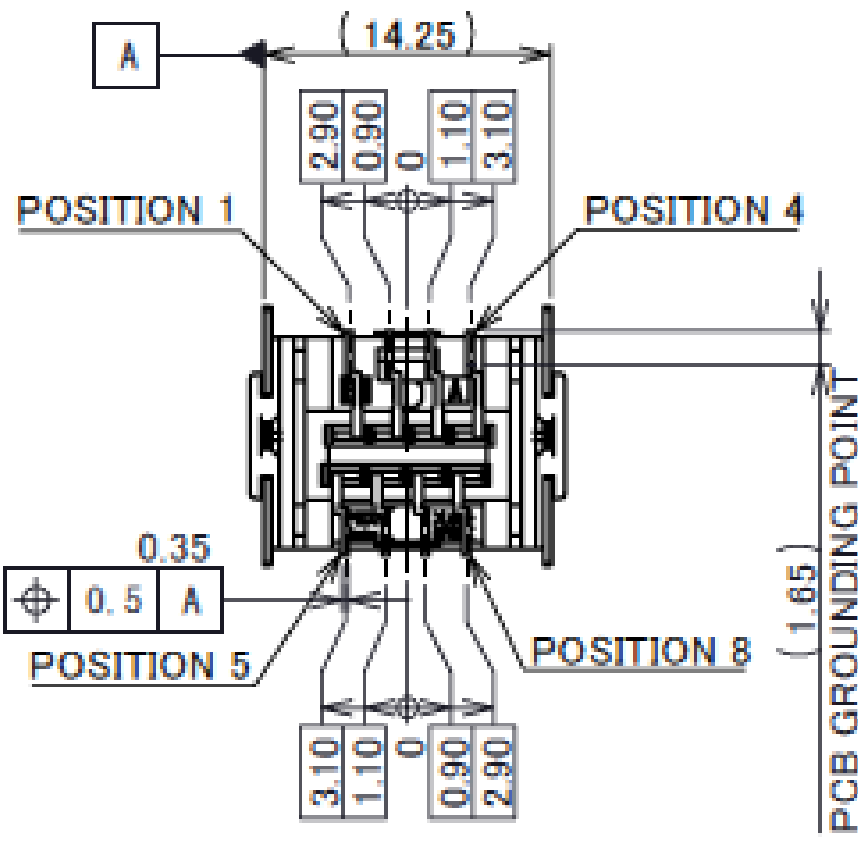
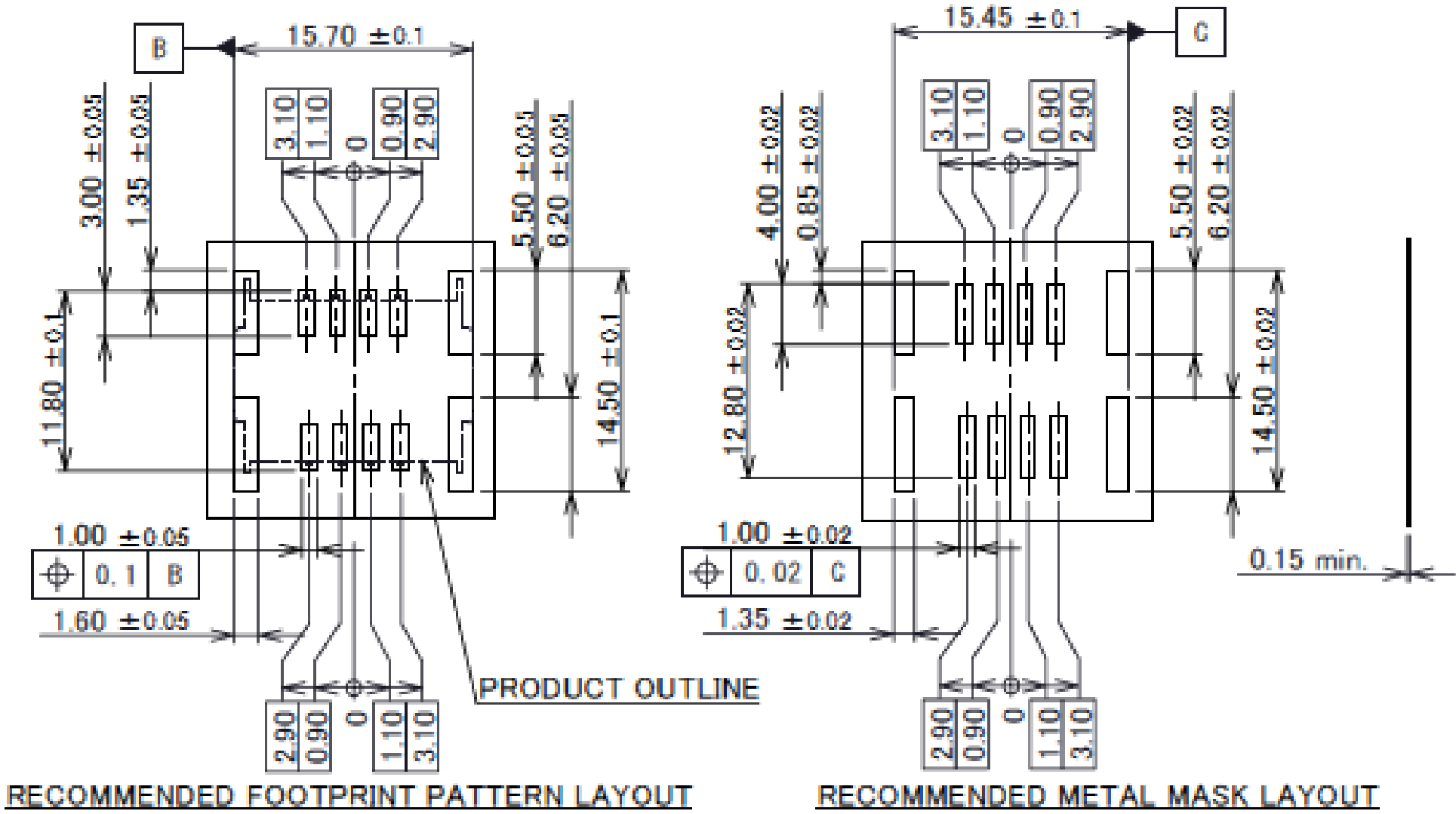
Component Parts Details

ISH[®] (Vertical Type) MALE (8P) ※ISHV:

MALE CONNECTOR	
PART NO.	VACUUM CAP
V0026-008E-001	WITH
◆V0026-008E-002	WITHOUT
◆MARK MEANS NOT AVAILABLE.	



- NOTES
1. APPLICABLE PART NO.:
 - FEMALE HOUSING...V0027-91008-211
 - FEMALE RETAINER...V0116-92008-01
 - FEMALE TERMINAL...VT009-02
 2. COMPLY WITH ELV/RoHS
 3. USE METAL MASK WHICH HAS A THICKNESS OF 0.15mm MIN. WHEN THE MALE CONNECTOR IS MOUNTED ON THE PCB.
 4. POSITION NUMBERS ARE INDICATED.

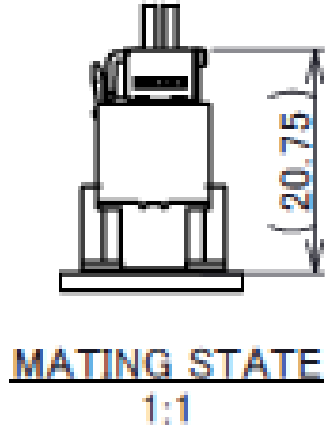
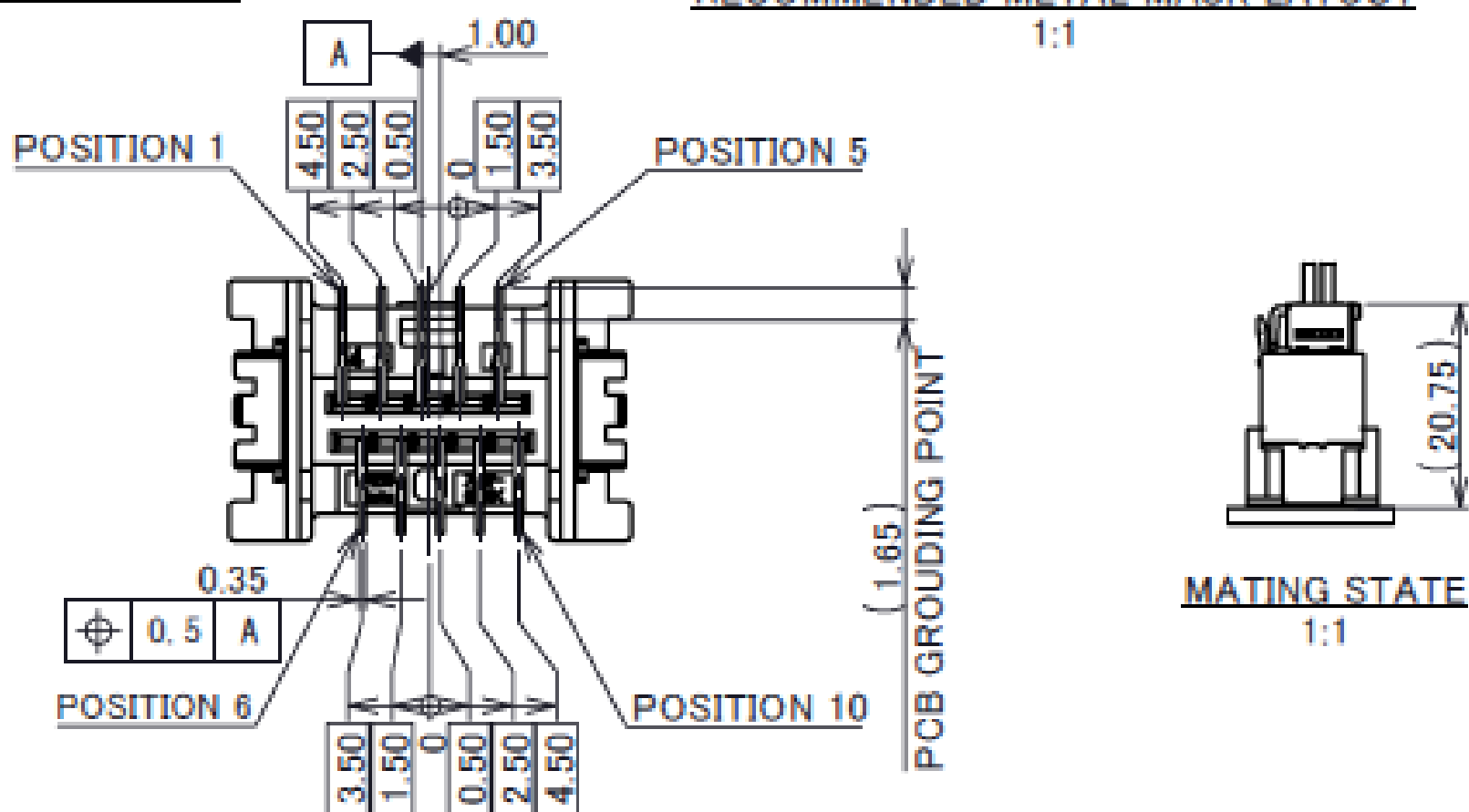
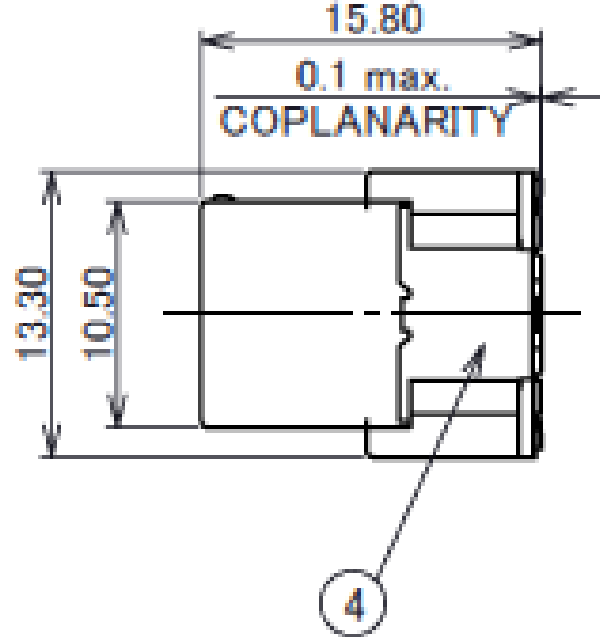
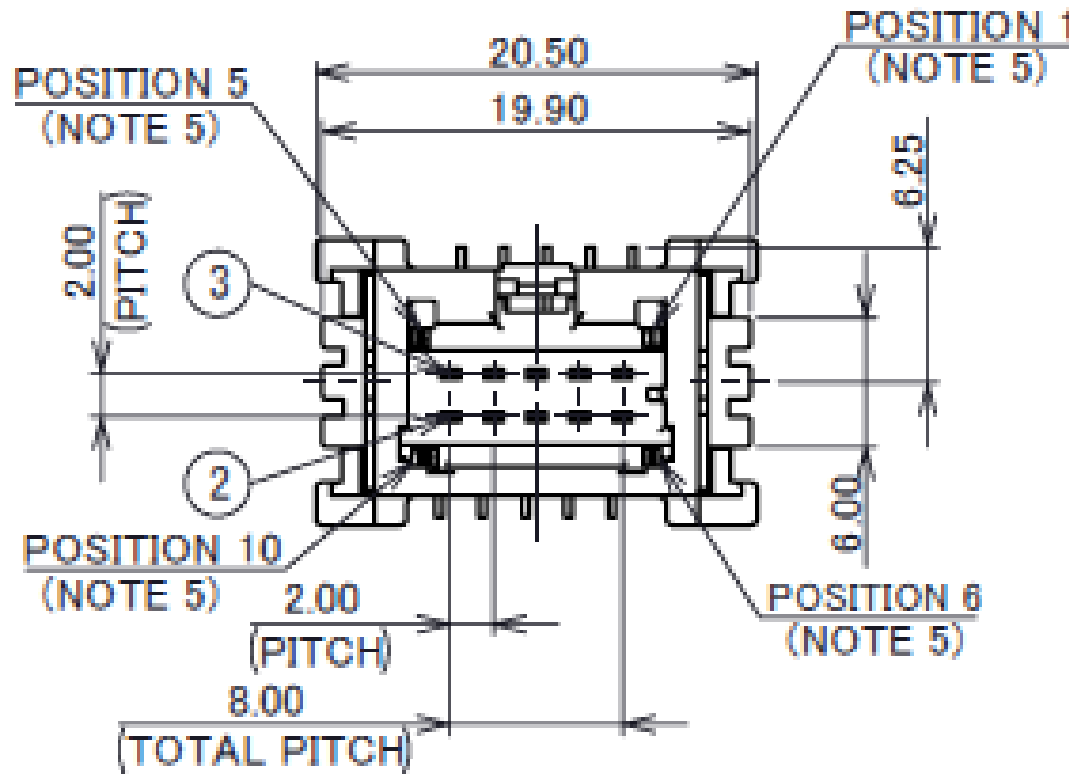
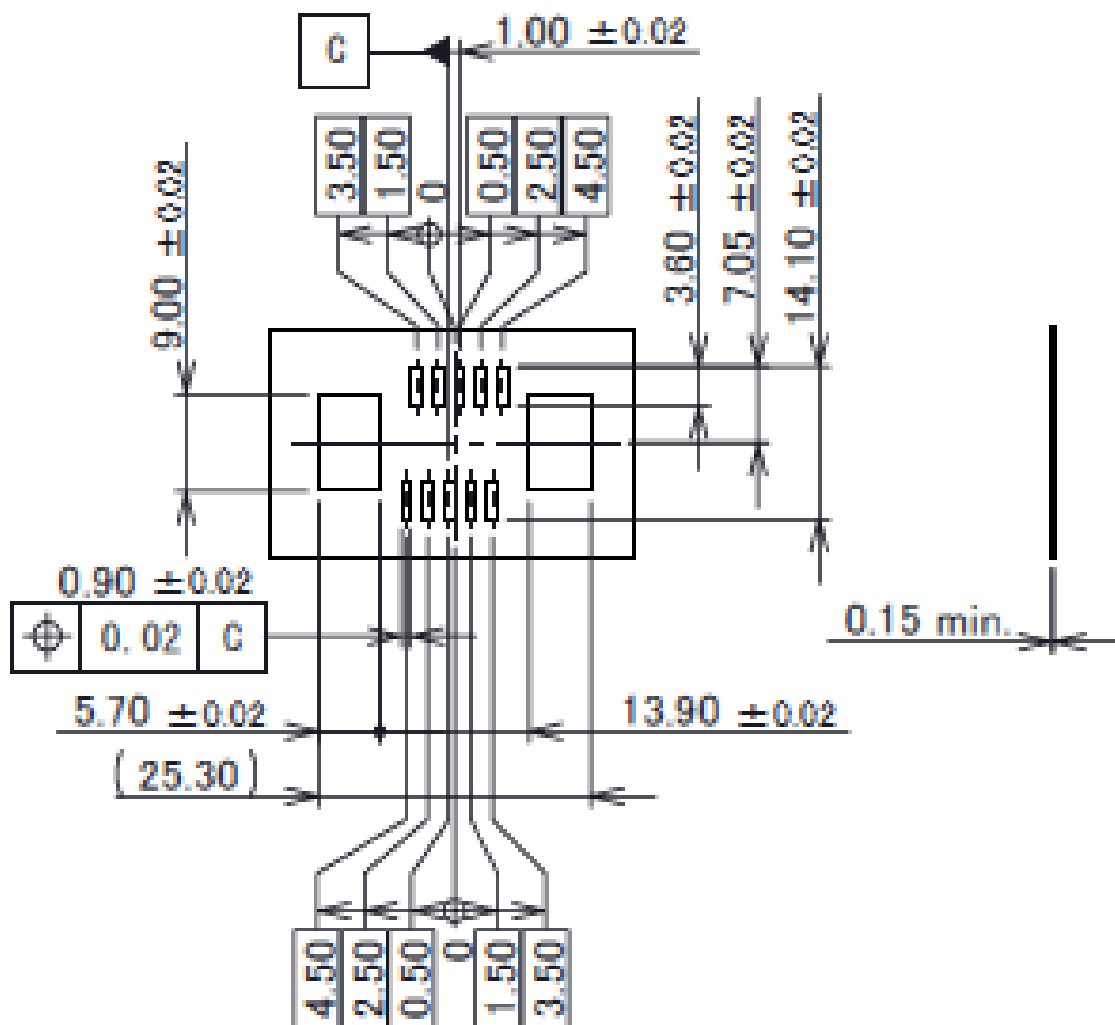
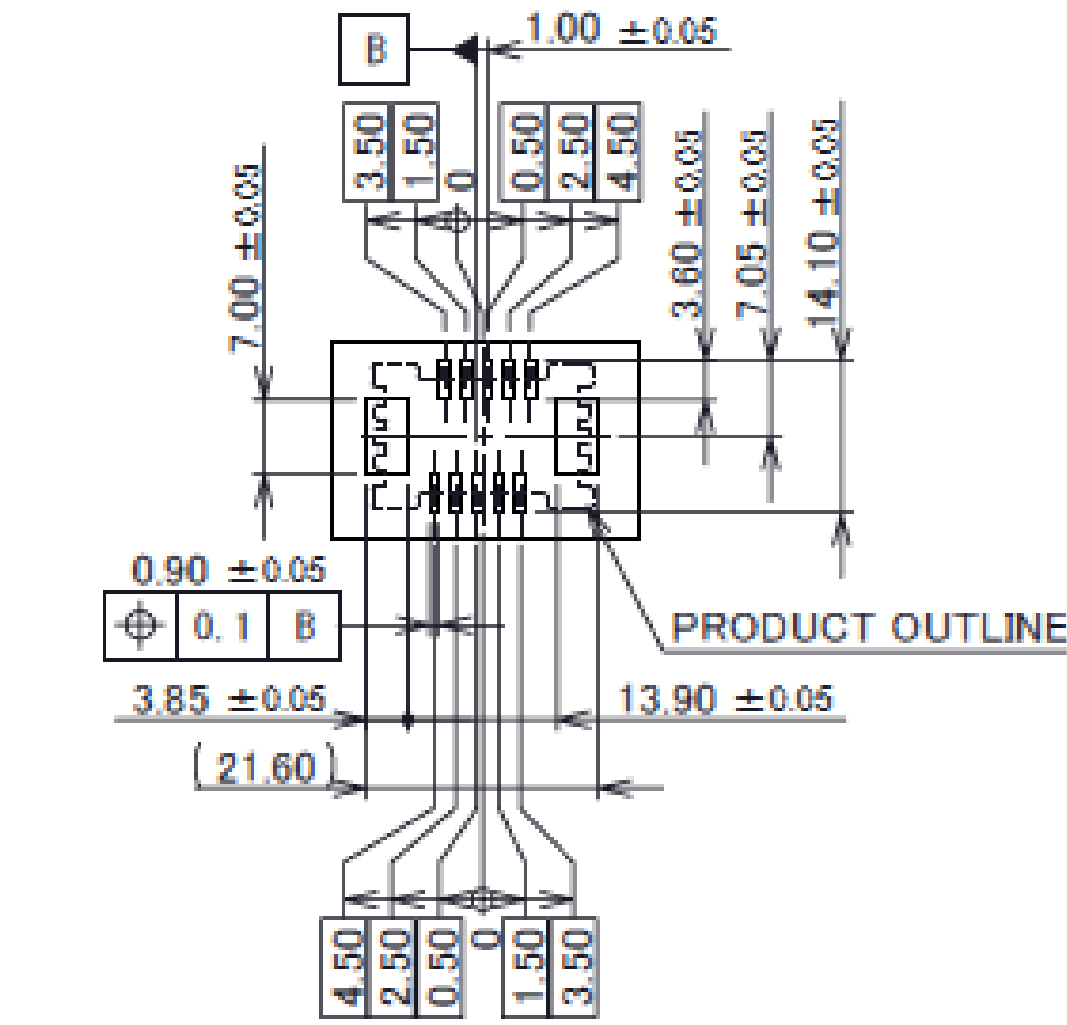
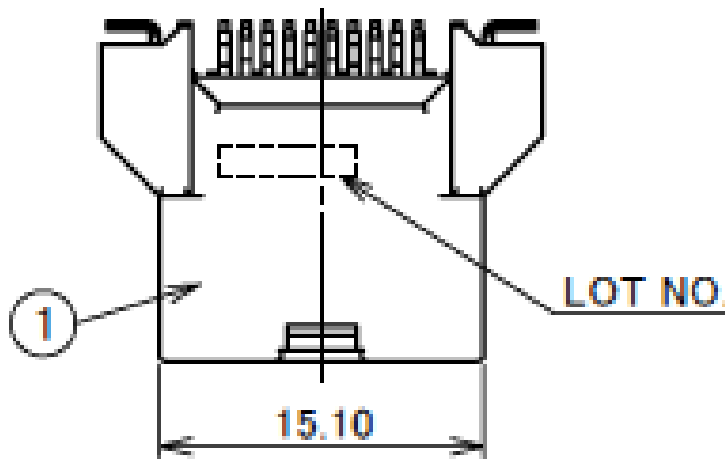


Nº	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS
5	VACUUM GAP	GLASS-FILLED LOP	NATURAL
4	HOLD DOWN	BRASS	S _n REFLOW
3	MALE TERMINAL-2	BRASS	S _n REFLOW
2	MALE TERMINAL-1	BRASS	S _n REFLOW
1	MALE HOUSING	GLASS-FILLED LOP	BLACK/UL94V-0

ISH® (Vertical Type) MALE (10P):

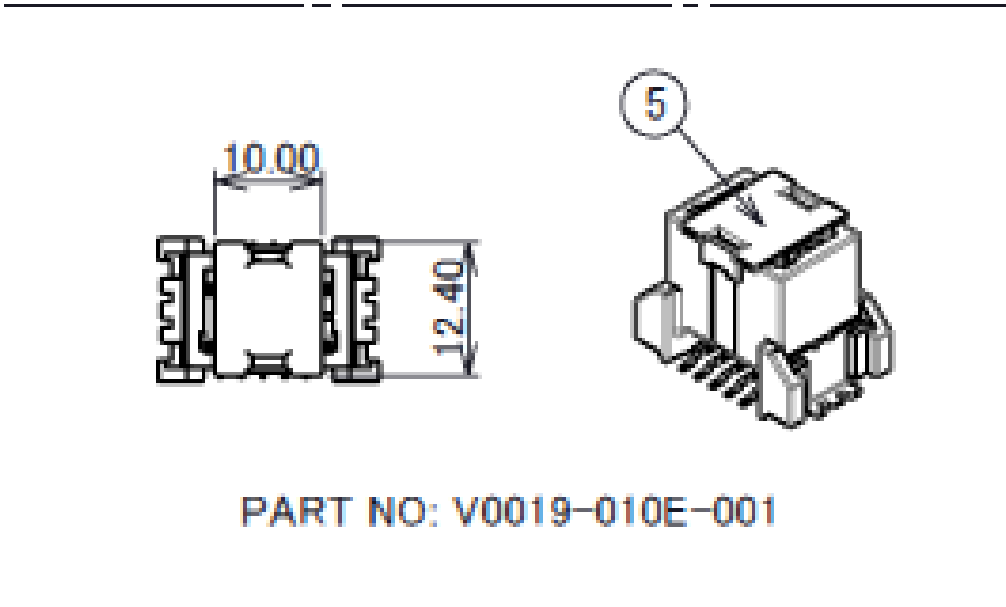
PART NO.	VACUUM CAP
V0019-010E-001	WITH
◆V0019-010E-002	WITHOUT

◆MARK MEANS NOT AVAILABLE.



- NOTES
- 1.APPLICABLE PART NO.:
 - FEMALE HOUSING...V0020-91010-211
 - FEMALE RETAINER...V0020-92010-211
 - FEMALE TERMINAL...VT009-02
 - 2.COMPLY WITH ELV/RoHS.
 - 3.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL(HDM-0020)
 - 4.USE METAL MASK WHICH HAS A THICKNESS OF 0.15mm MIN. WHEN THE MALE CONNECTOR IS MOUNTED ON THE PCB.
 - 5.POSITION NUMBERS ARE INDICATED.

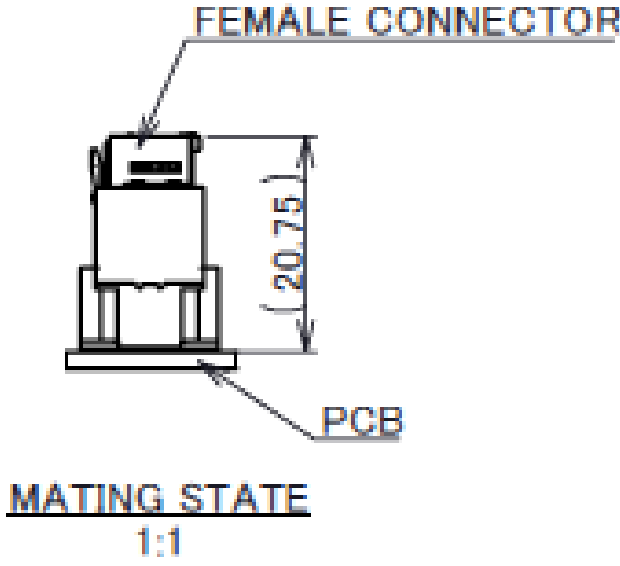
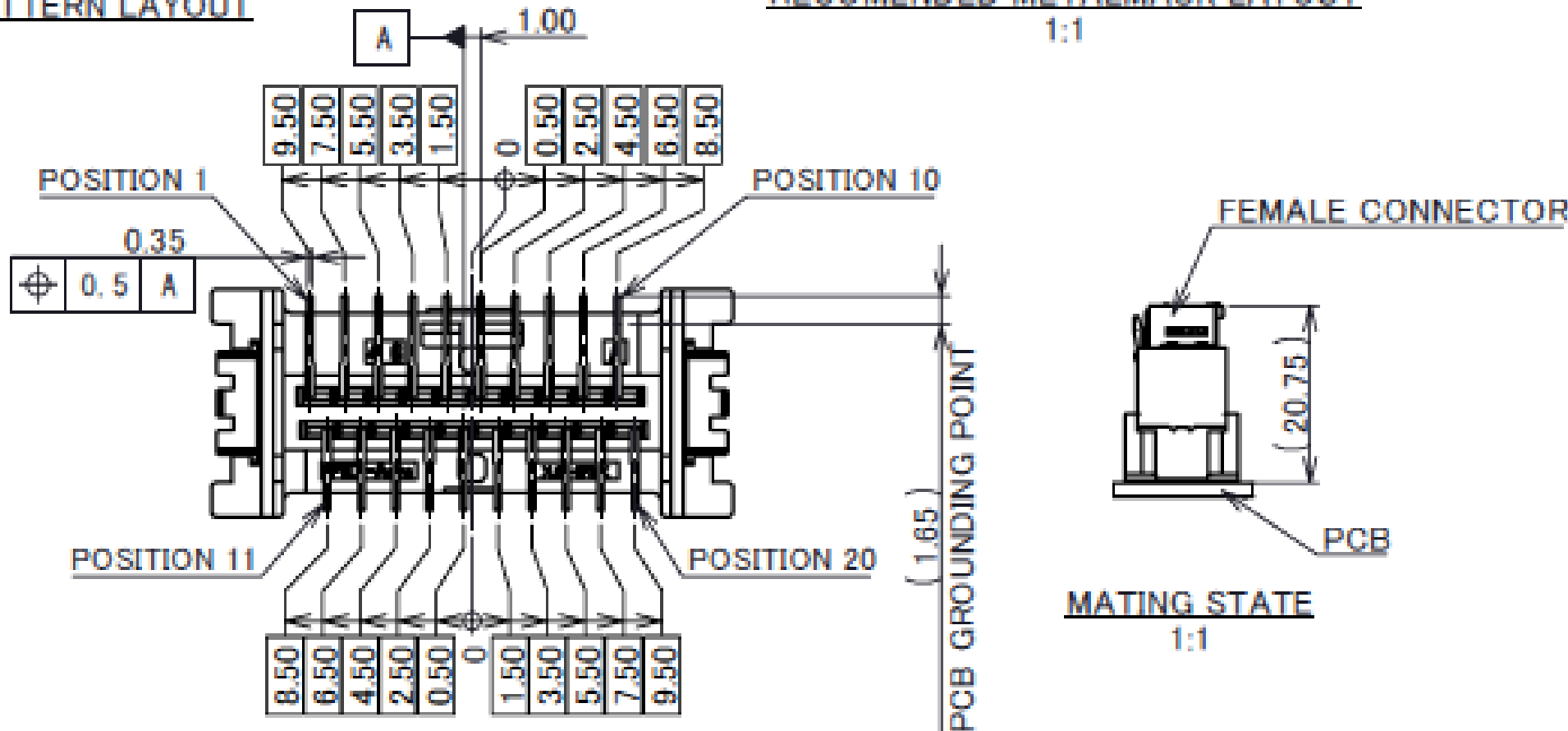
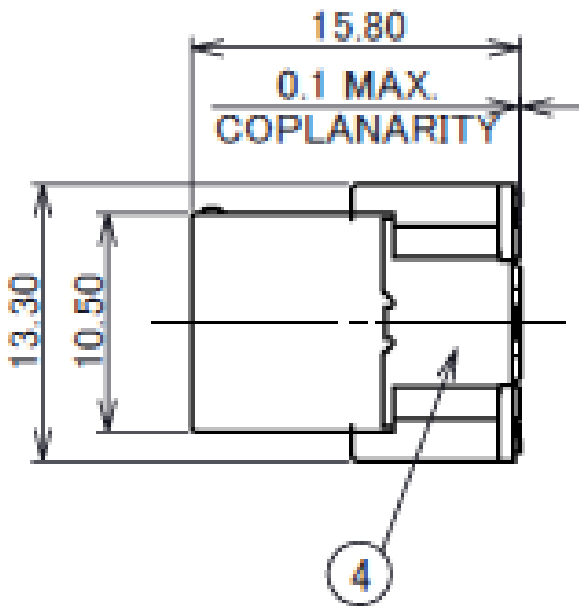
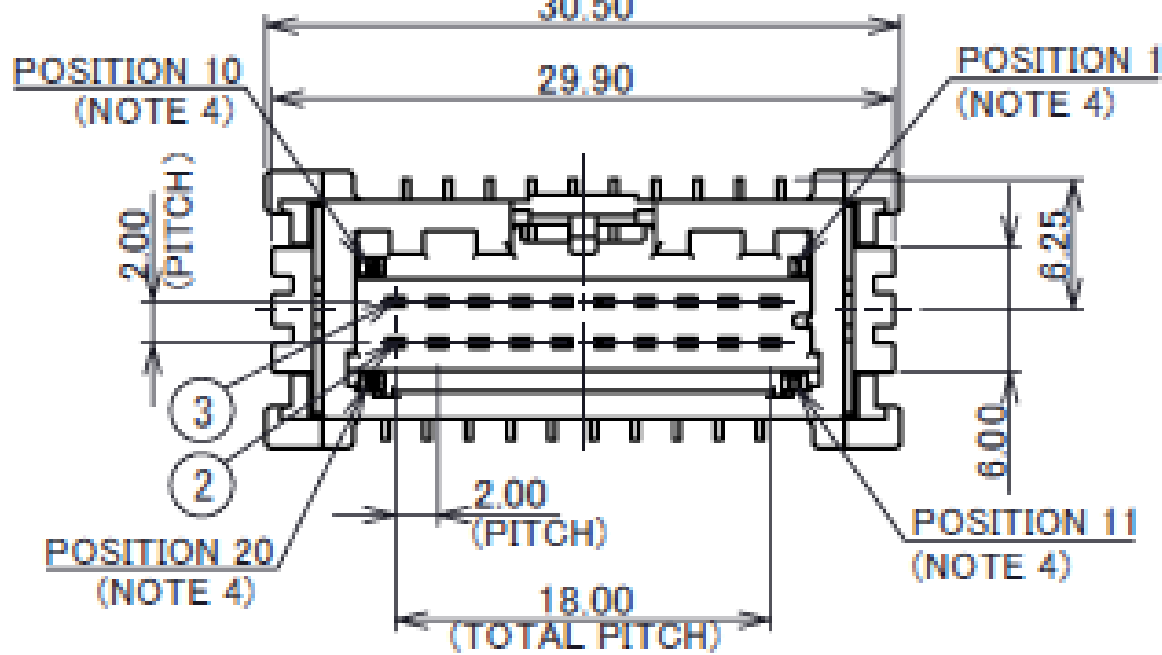
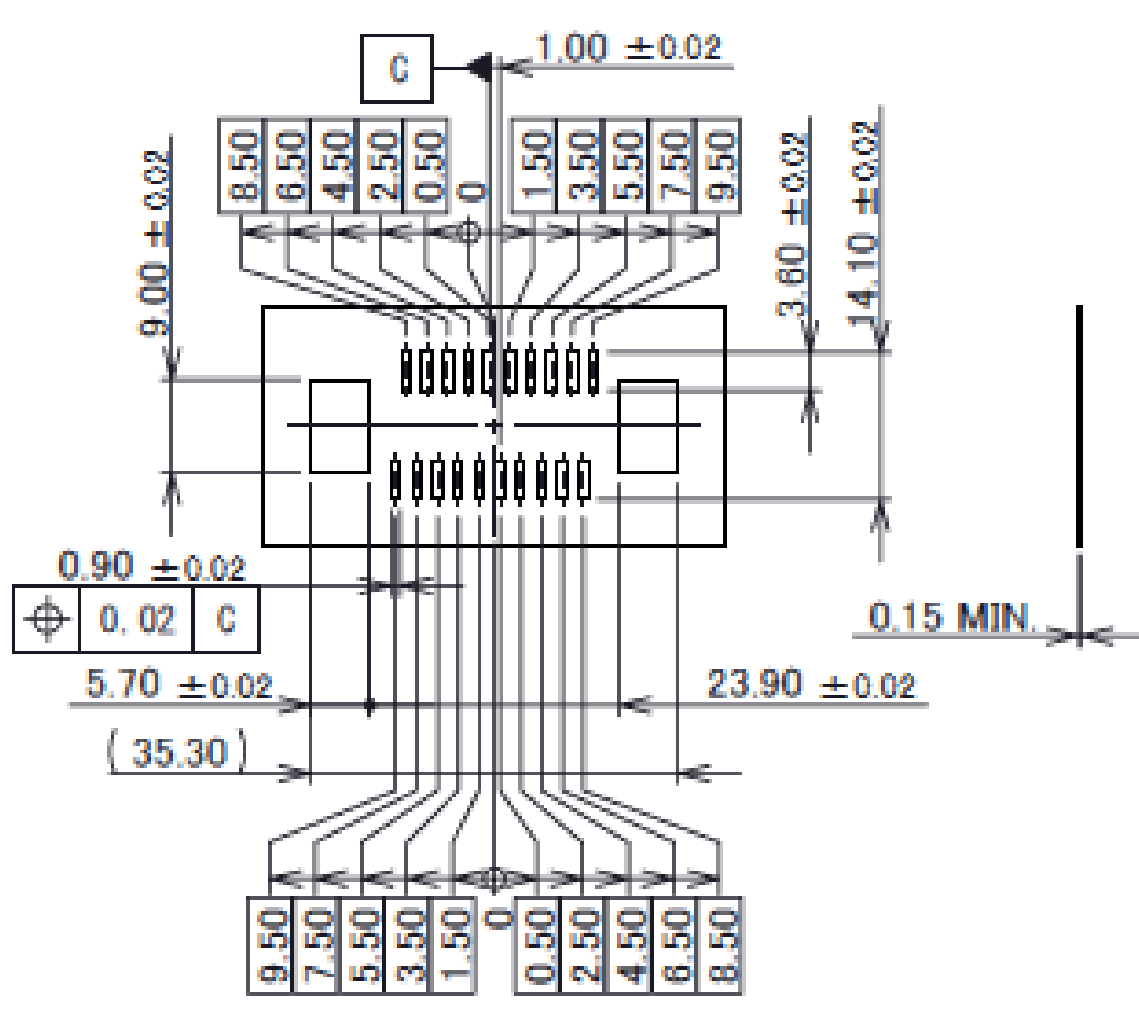
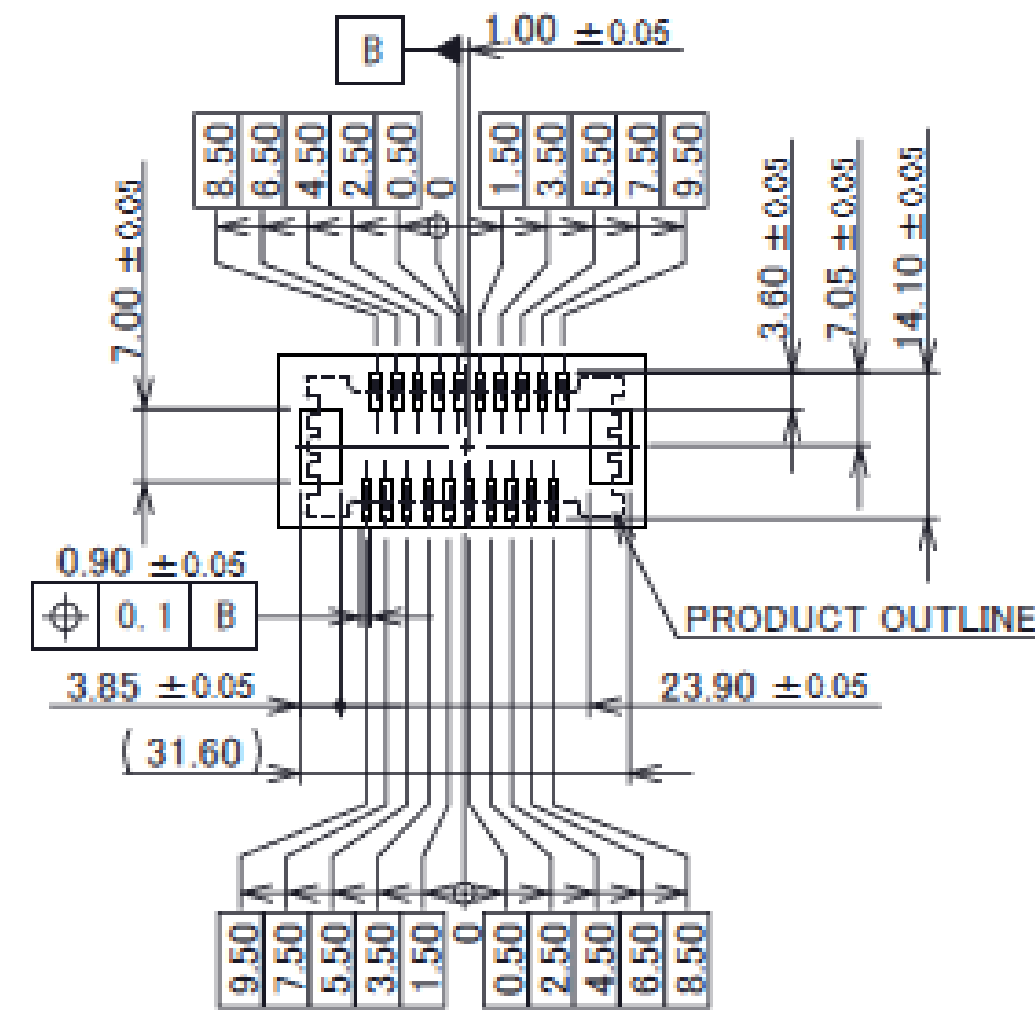
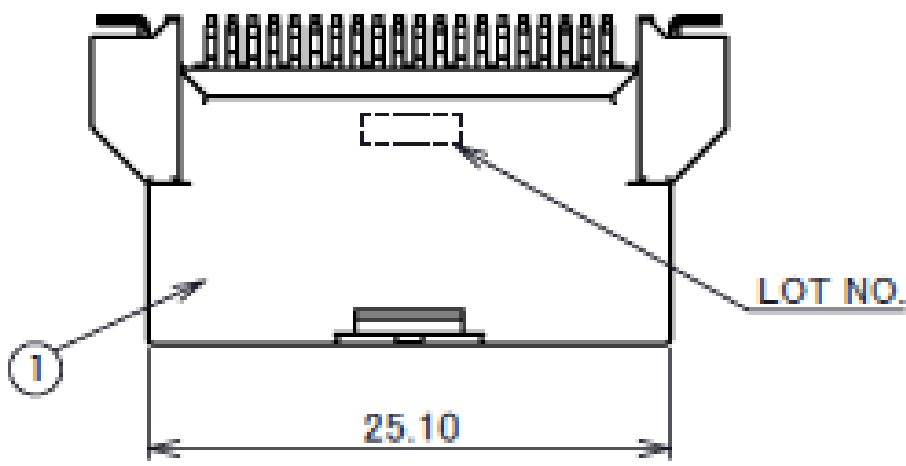
5	VACUUM CAP	GLASS-FILLED LCP	NATURAL
4	HOLD DOWN	BRASS	Sn REFLOW
3	MALE TERMINAL-2	BRASS	Sn REFLOW
2	MALE TERMINAL-1	BRASS	Sn REFLOW
1	MALE HOUSING	GLASS-FILLED LCP	BLACK / UL94V-0
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS



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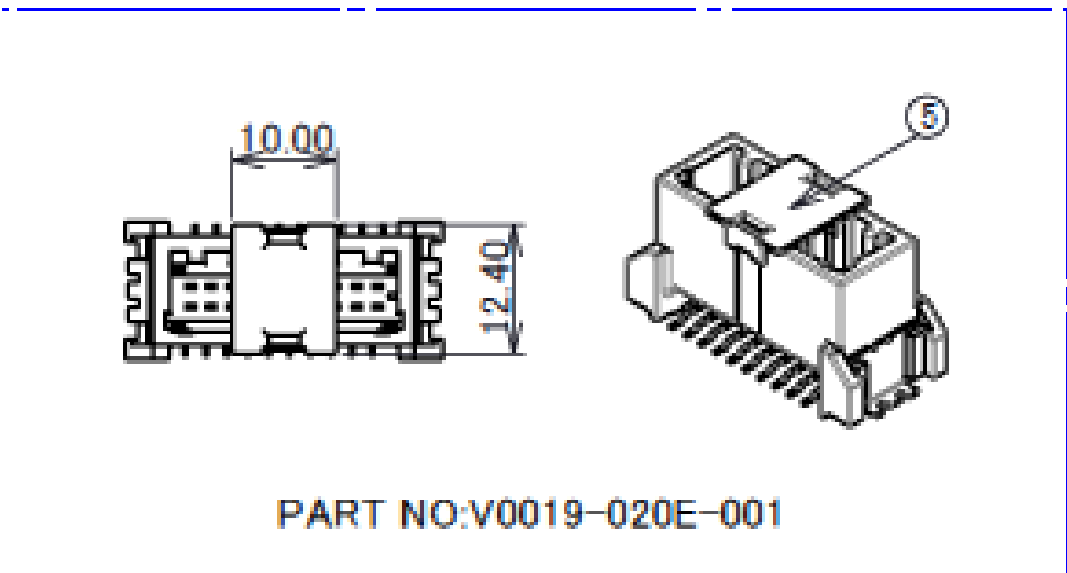
ISH® (Vertical Type) MALE (20P):

PART NO.
V0019-020E-001
V0019-020E-002



- NOTES
- 1.APPLICABLE PART NO.:
 - FEMALE HOUSING...V0020-91020-211
 - FEMALE RETAINER...V0020-92020-211
 - FEMALE TERMINAL...VT009-02
 - 2.COMPLY WITH ELV/RoHS
 - 3.USE METAL MASK WHICH HAS A THICKNESS OF 0.15mm MIN. WHEN THE MALE CONNECTOR IS MOUNTED ON THE PCB.
 - 4.POSITION NUMBERS ARE INDICATED.

5	VACUUM CAP	GLASS-FILLED LCP	NATURAL
4	HOLD DOWN	BRASS	Sn REFLOW
3	MALE TERMINAL-2	BRASS	Sn REFLOW
2	MALE TERMINAL-1	BRASS	Sn REFLOW
1	MALE HOUSING	GLASS-FILLED LCP	BLACK/UL94V-0
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

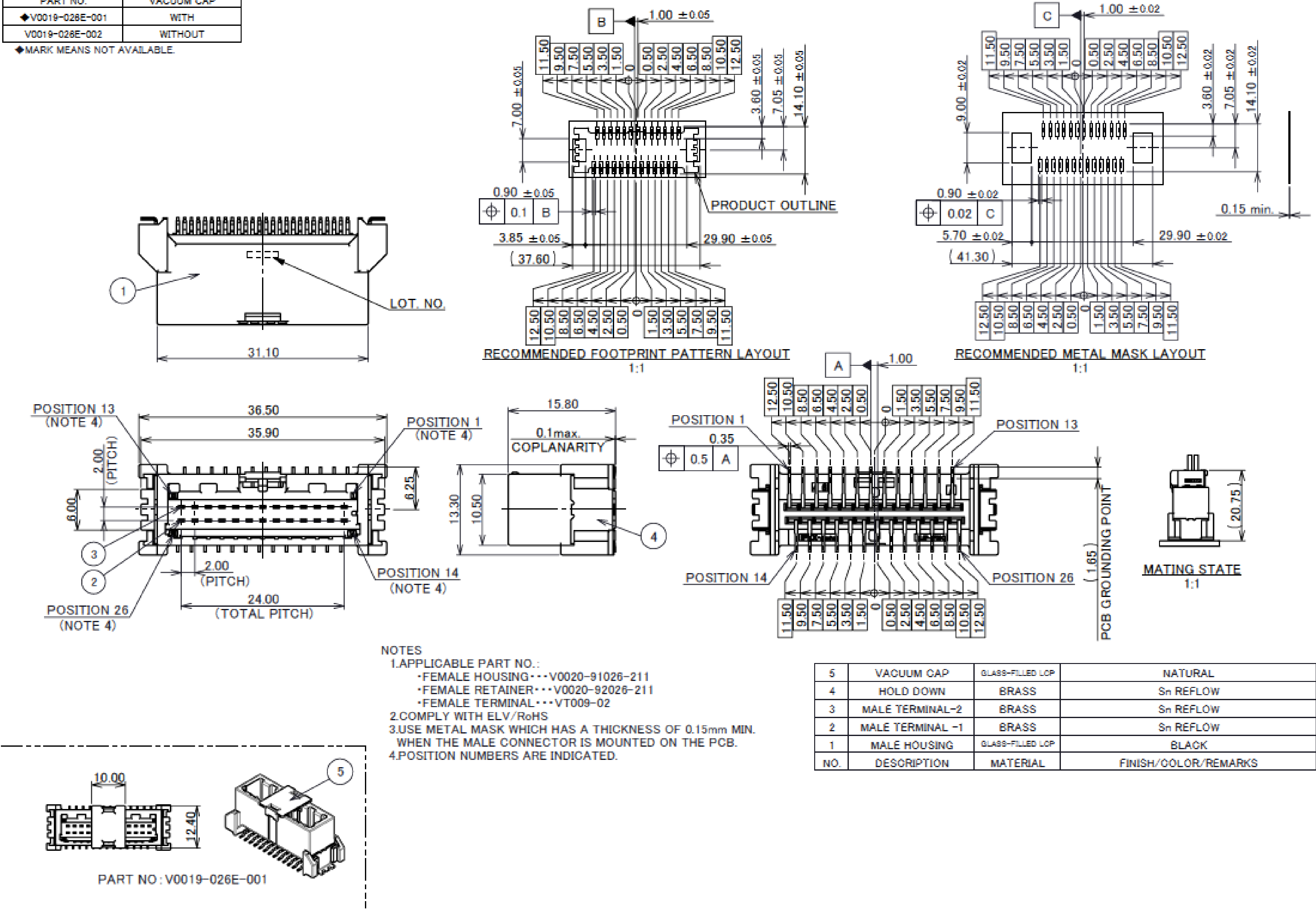


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ISH® (Vertical Type) MALE (26P):

PART NO.	VACUUM CAP
◆V0019-026E-001	WITH
V0019-026E-002	WITHOUT

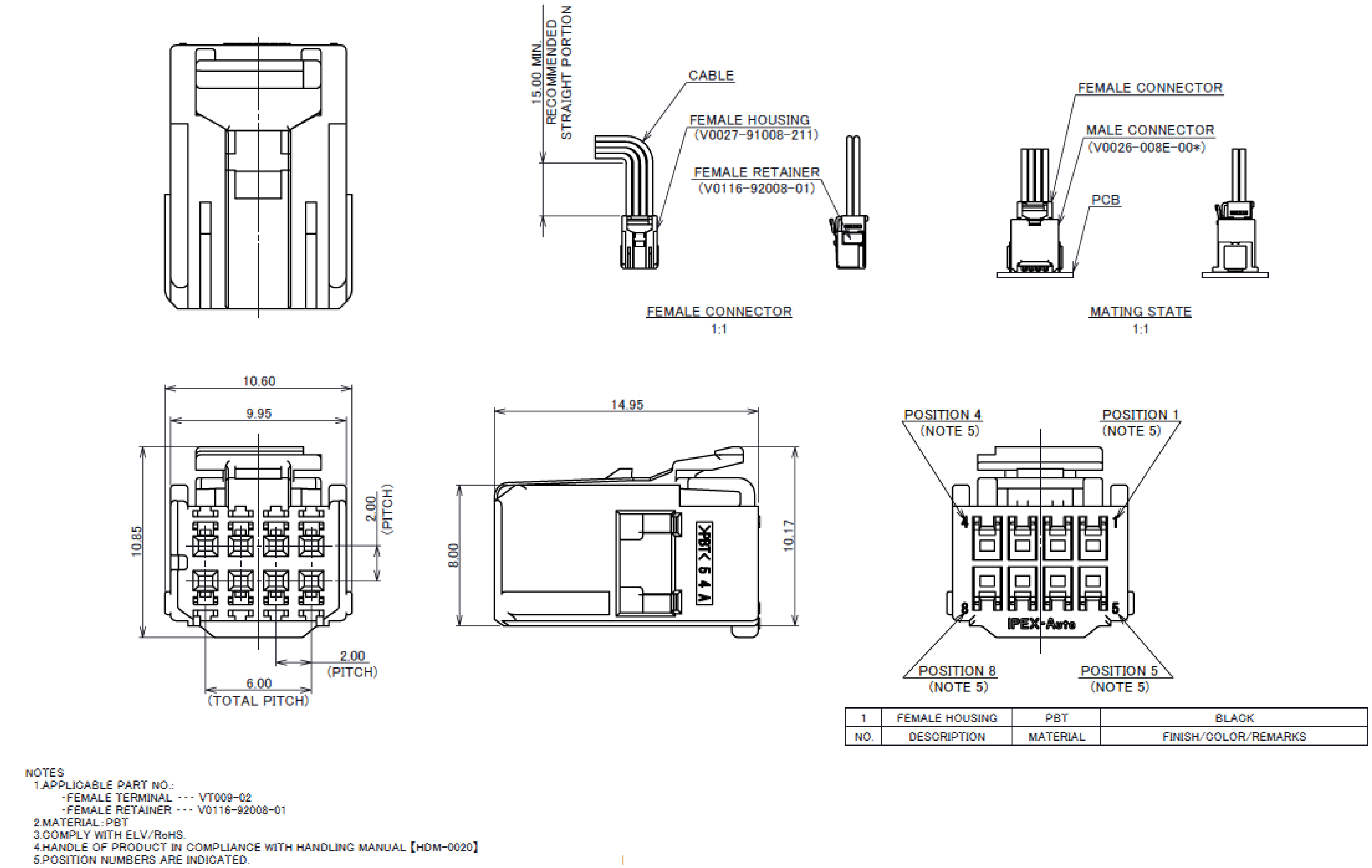
◆MARK MEANS NOT AVAILABLE.



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ISH® (Vertical Type) FEMALE (8P) ※ISHV :

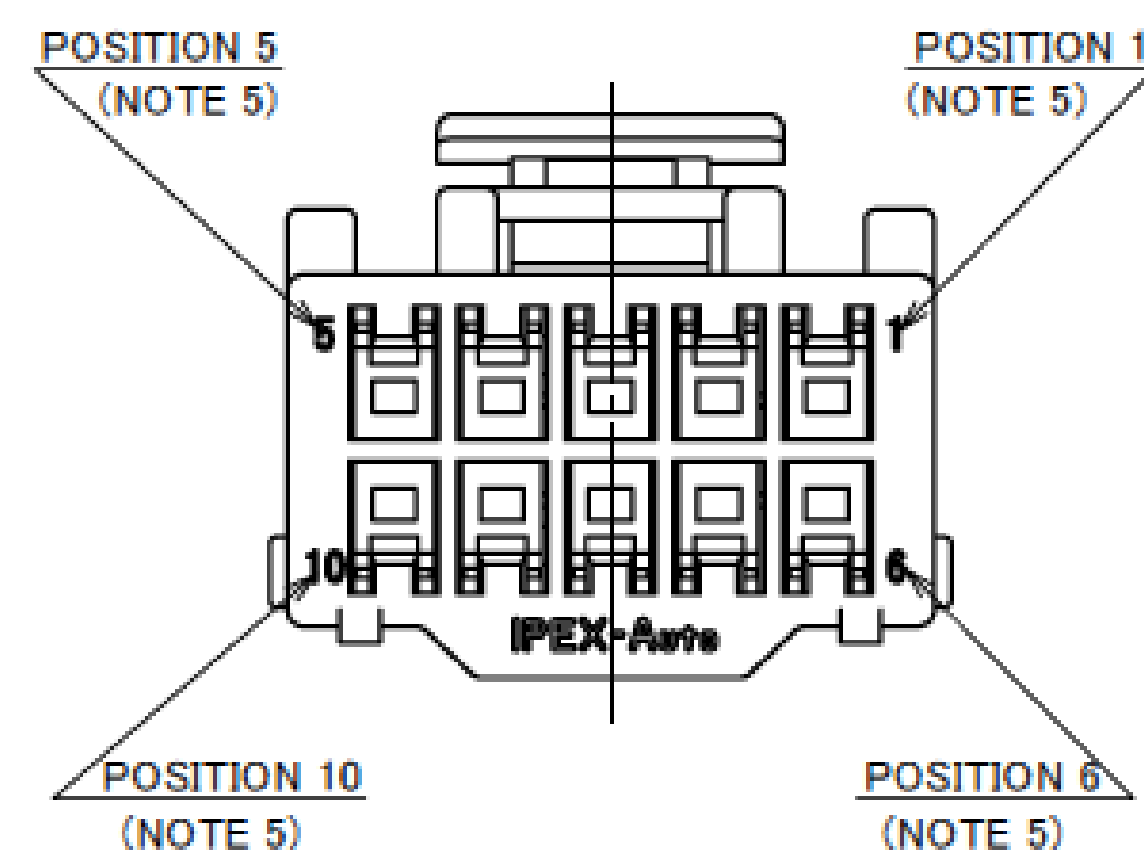
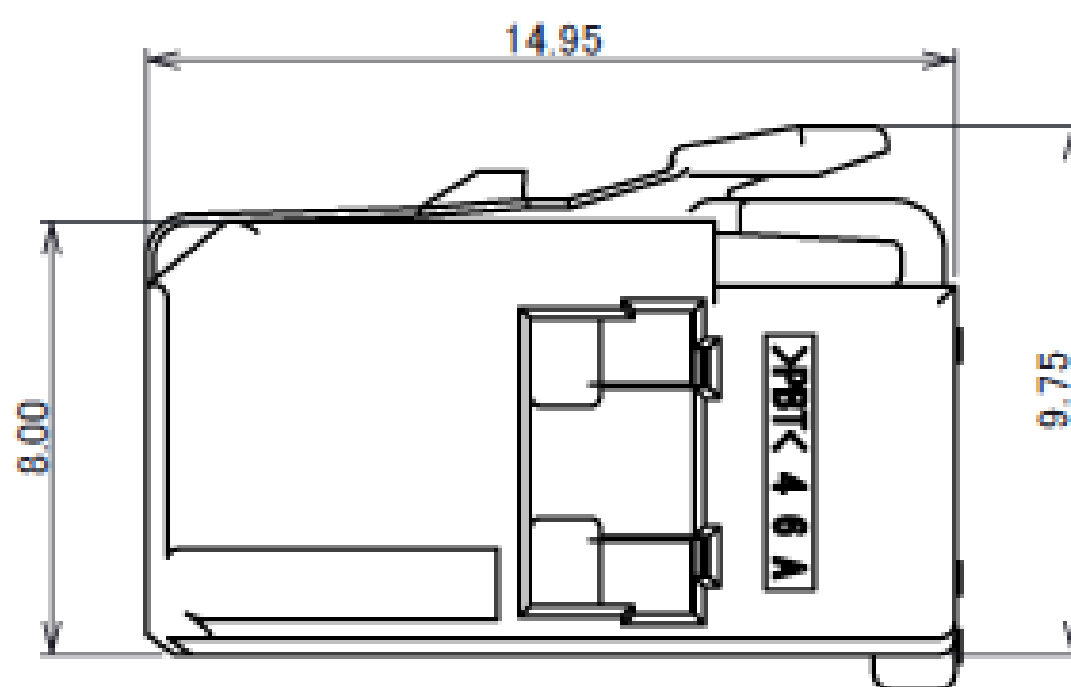
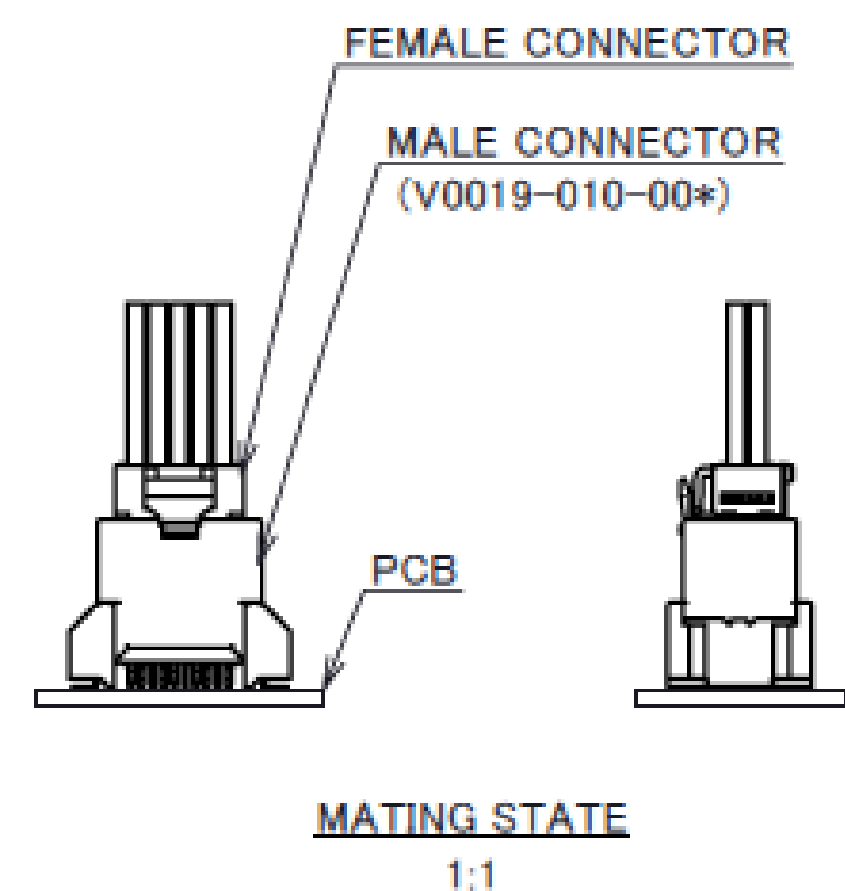
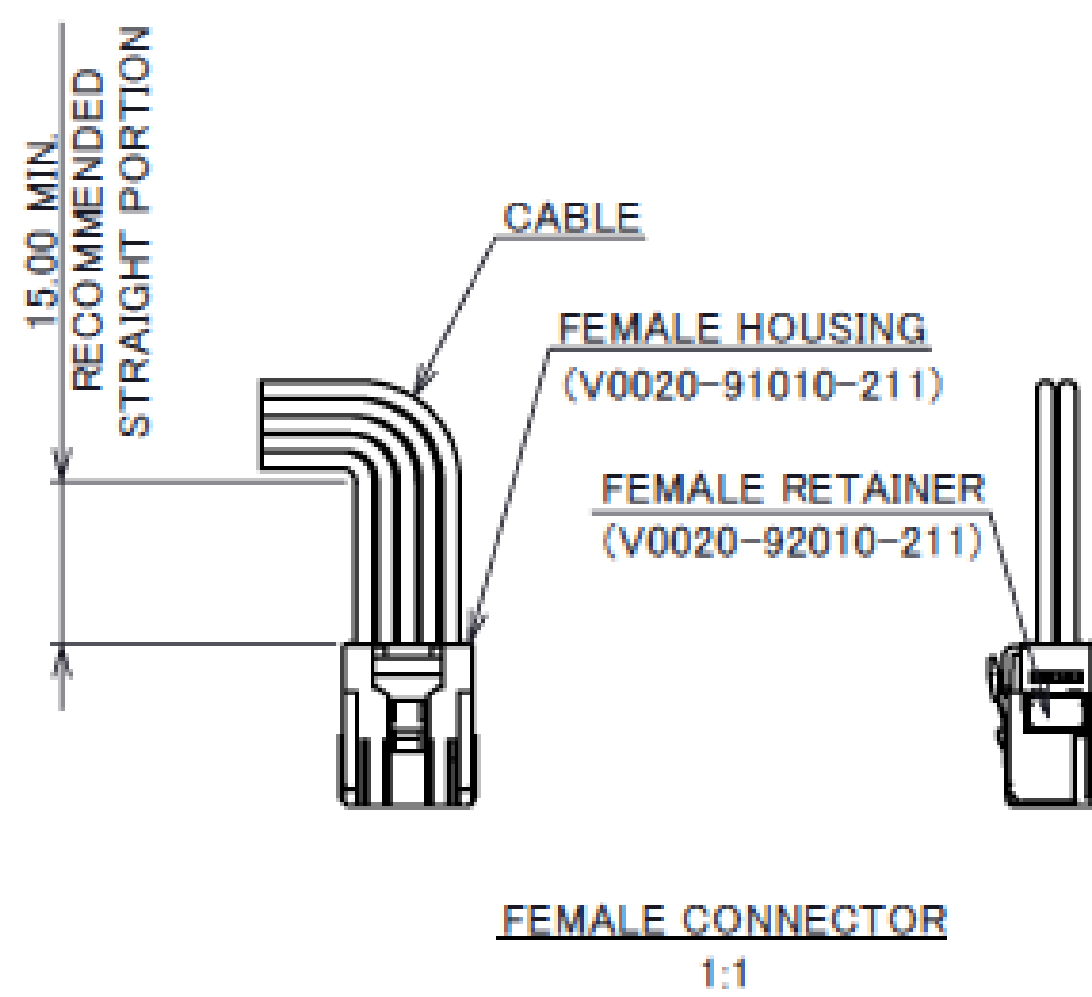
PART NO.	LOCK TYPE	KEY CODING	COLOR	FOR REAR COVER
V0027-91008-211	NORMAL ROCK	-	BLACK	N/A



Rev.0

PART NO.	LOCK TYPE	KEY CODING	COLOR	FOR REAR COVER
V0020-91010-211	NORMAL LOCK	-	BLACK	N/A

PART NO.	LOCK TYPE	KEY CODING	COLOR	FOR REAR COVER
V0020-91010-211	NORMAL LOCK	-	BLACK	N/A



①	FEMALE HOUSING	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

1. APPLICABLE PART NO.:
- FEMALE TERMINAL --- VT009-02
- FEMALE RETAINER --- V0020-92010-211

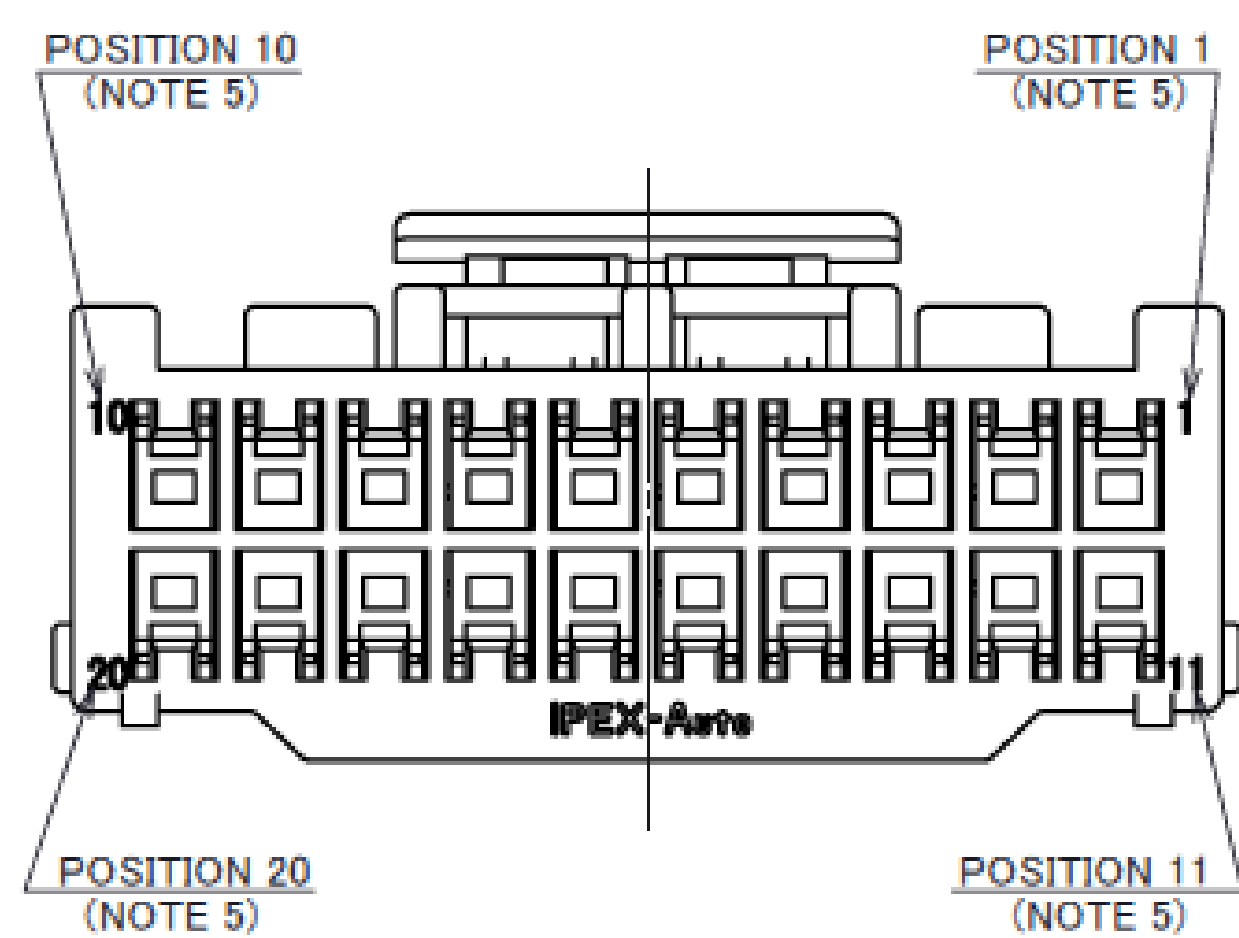
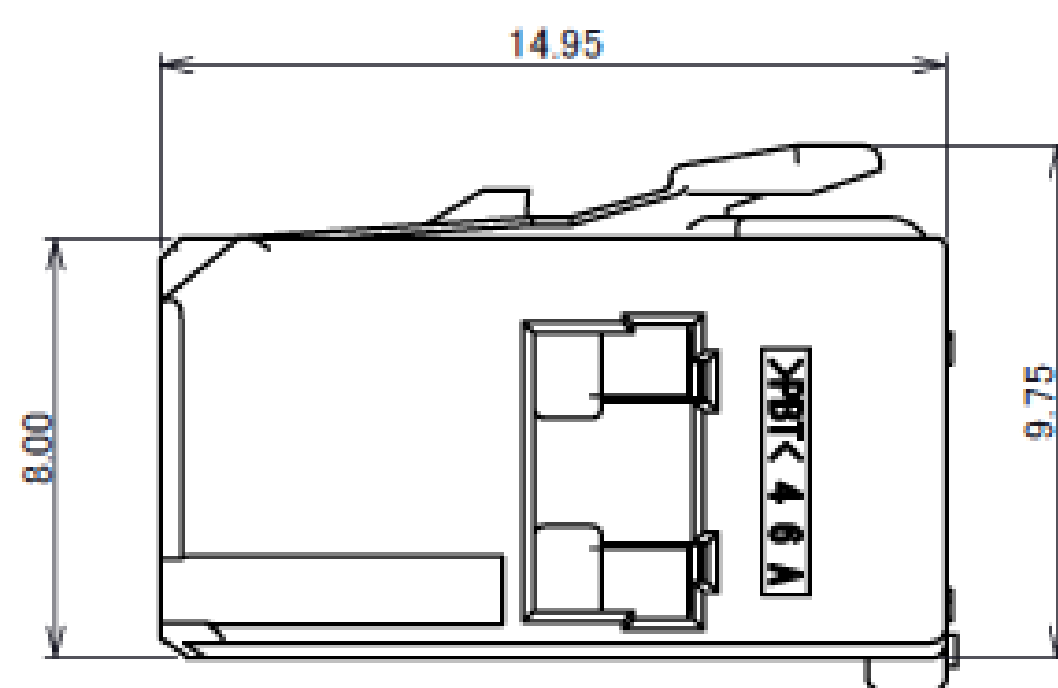
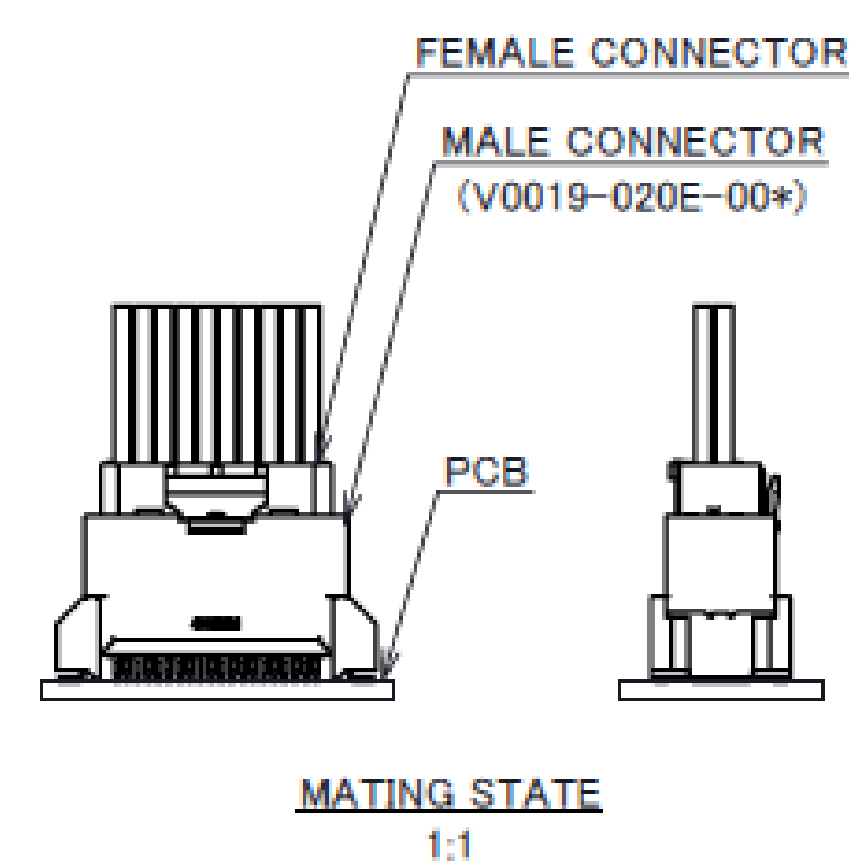
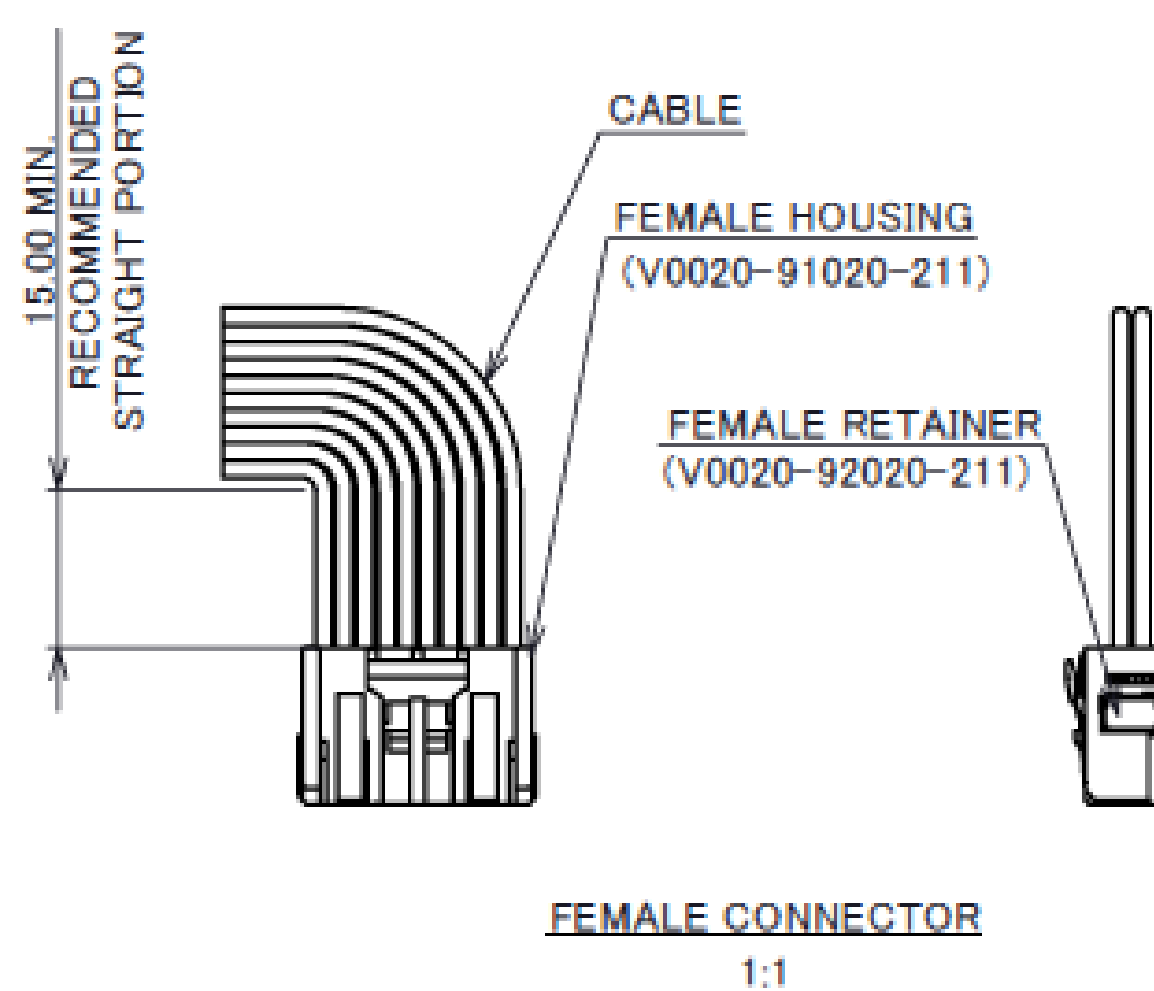
2. MATERIAL: PBT

3. COMPLY WITH ELV/ROHS.

4. HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]

5. POSITION NUMBERS ARE INDICATED.

PART NO.
V0020-91020-211



1	FEMALE HOUSING	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

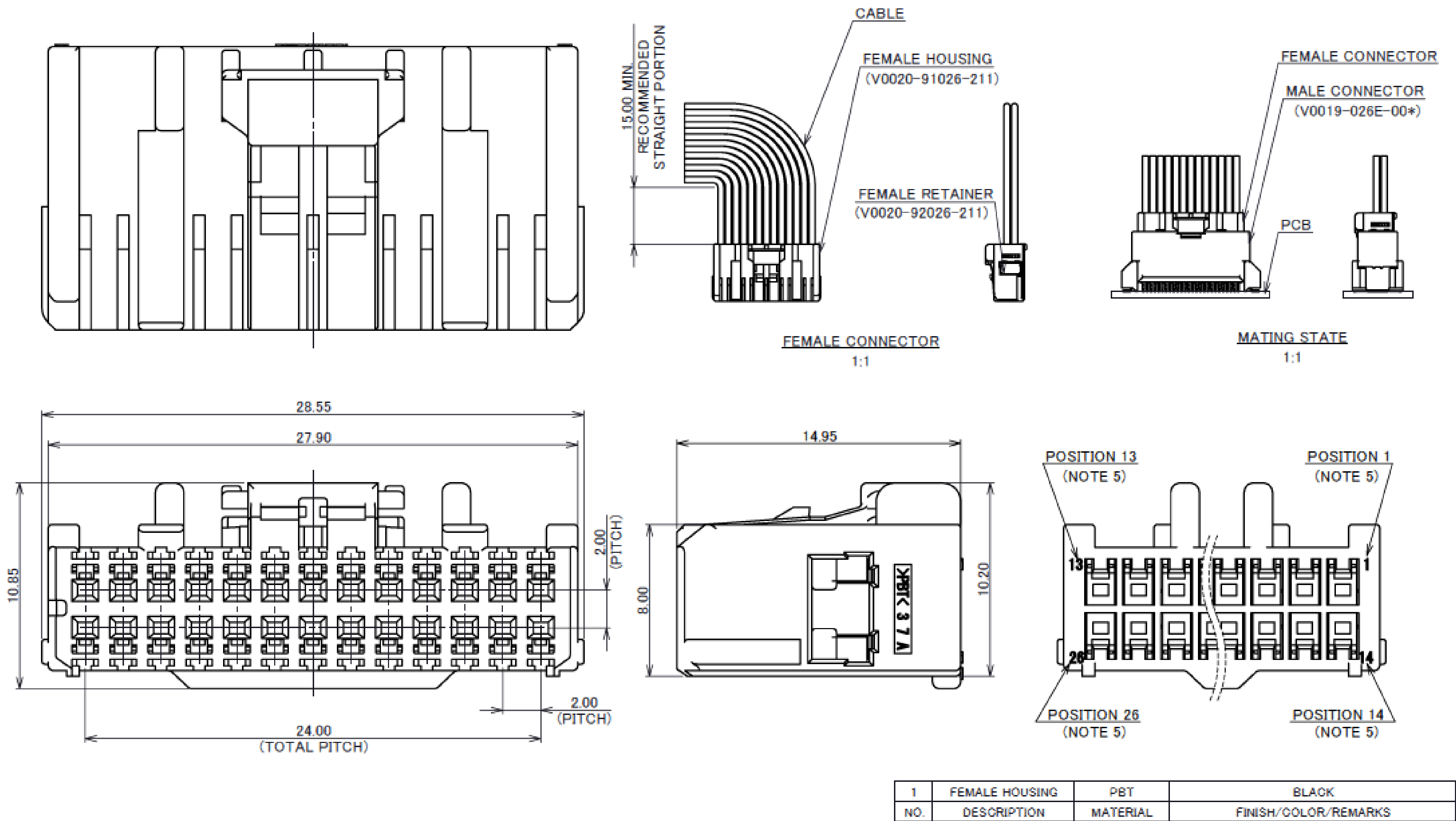
NOTES

1. APPLICABLE PART NO.:
 - FEMALE TERMINAL --- VT008-02
 - FEMALE RETAINER --- V0020-92020-211
2. MATERIAL: PBT
3. COMPLY WITH ELV/RoHS.
4. HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]
5. POSITION NUMBERS ARE INDICATED.

Contact your sales representative for more detailed information. www.i-pex.com

ISH® (Vertical Type) FEMALE (26P):

PART NO.
V0020-91026-211



NOTES

1.APPLICABLE PART NO.:
- FEMALE TERMINAL --- VT009-02
- FEMALE RETAINER --- V0020-92026-211

2.MATERIAL: PBT

3.COMPLY WITH ELV/ROHS.

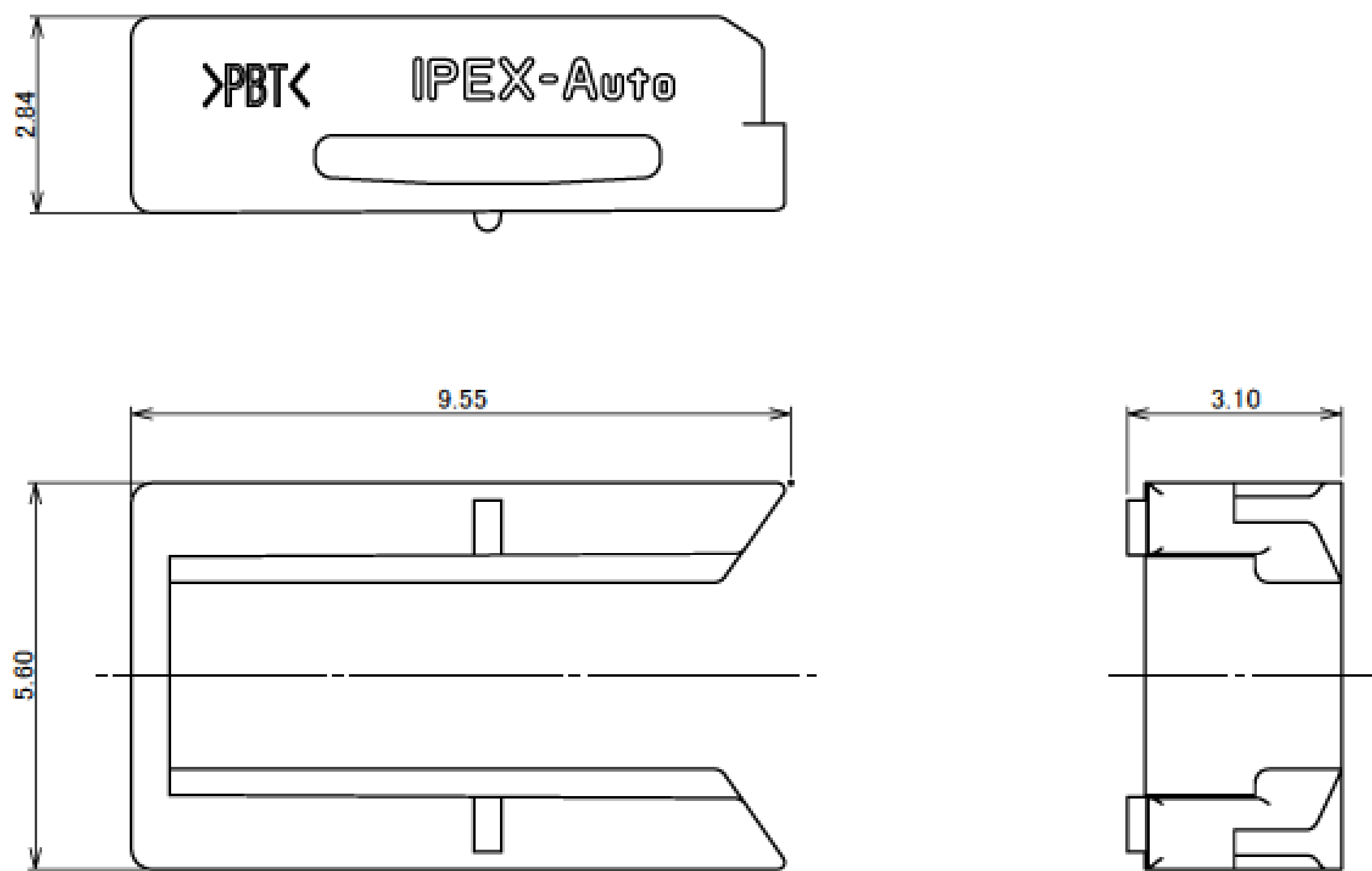
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]

5.POSITION NUMBERS ARE INDICATED.

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ISH® (Vertical Type) FEMALE RETAINER (8P) ※ISHV :

PART NO.
V0116-92008-01



NOTES

1.APPLICABLE PART NO.:
- FEMALE HOUSING --- V0116-91008-**
V0027-91008-211

2.MATERIAL: PBT

3.COMPLY WITH ELV/ROHS.

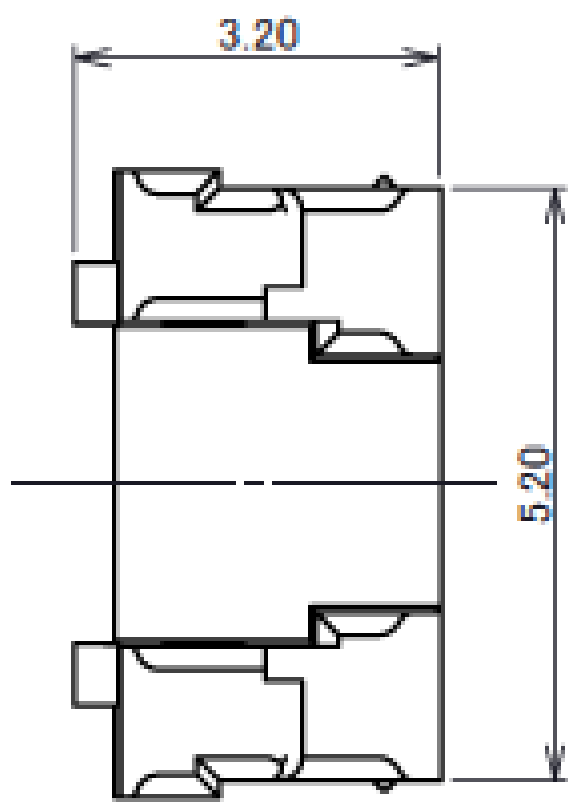
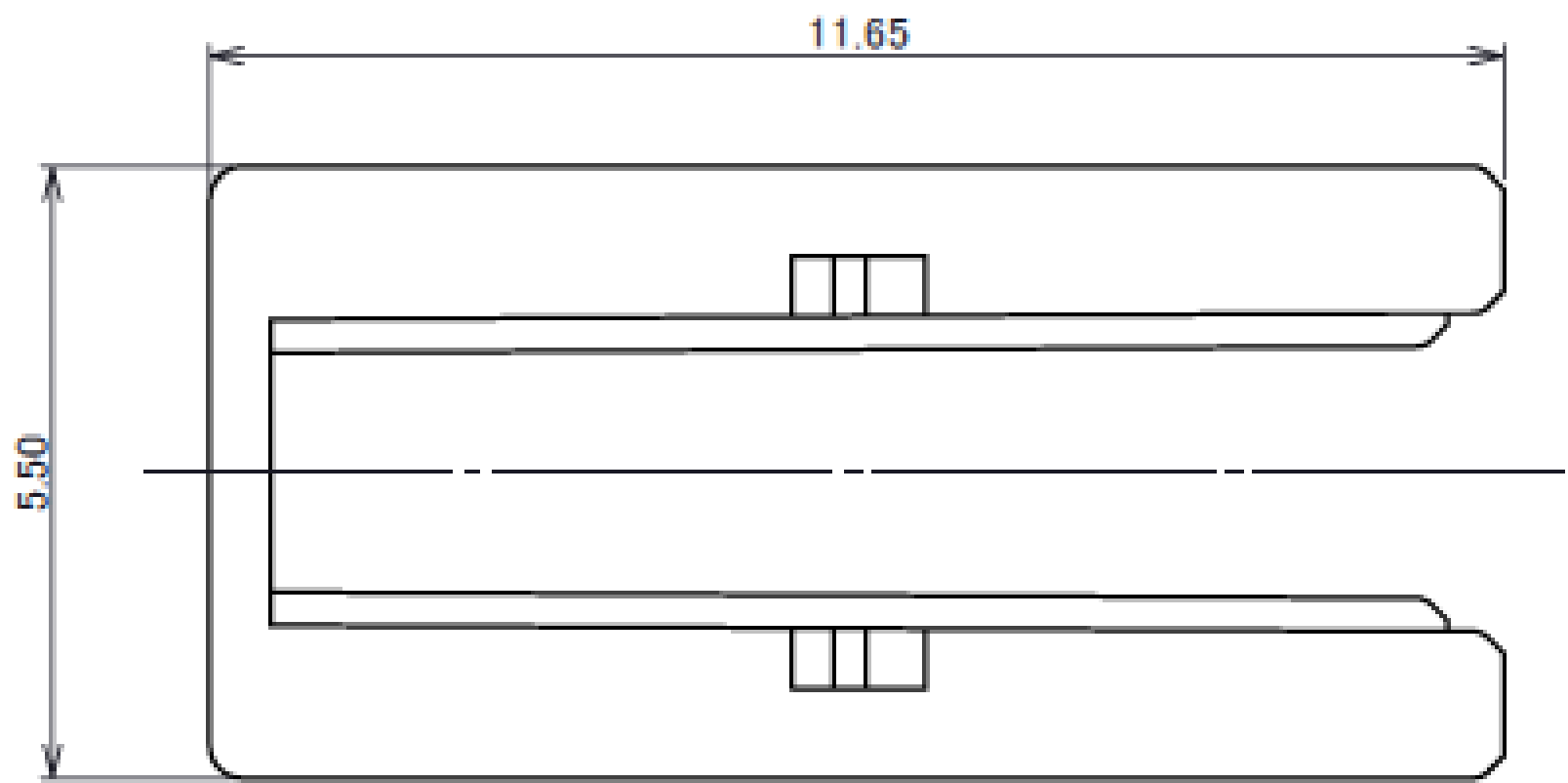
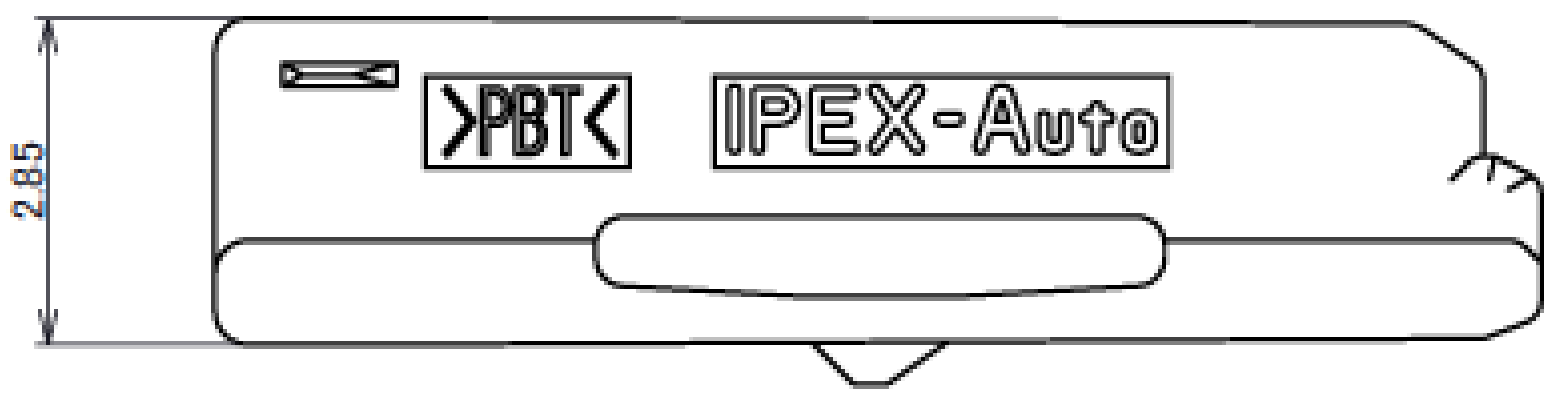
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]

1	FEMALE RETAINER	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

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ISH® (Vertical Type) FEMALE RETAINER (10P):

PART NO.
V0020-92010-211



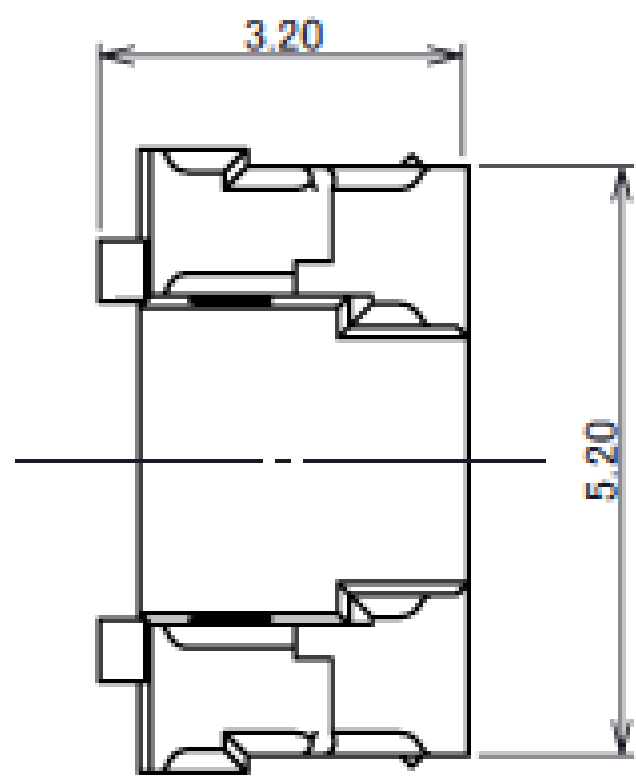
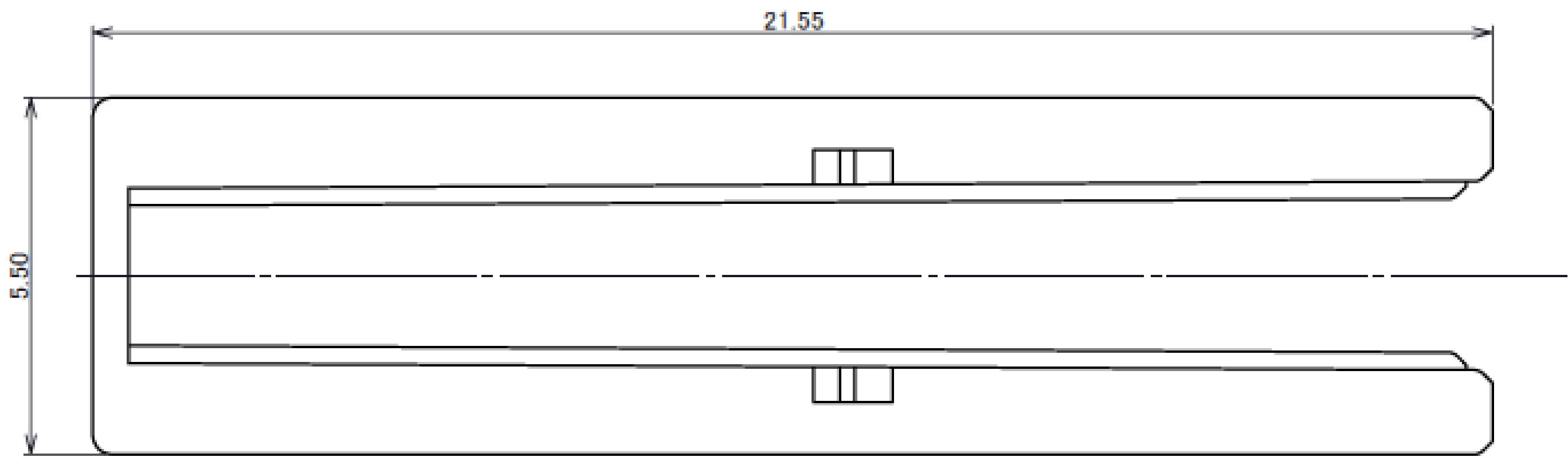
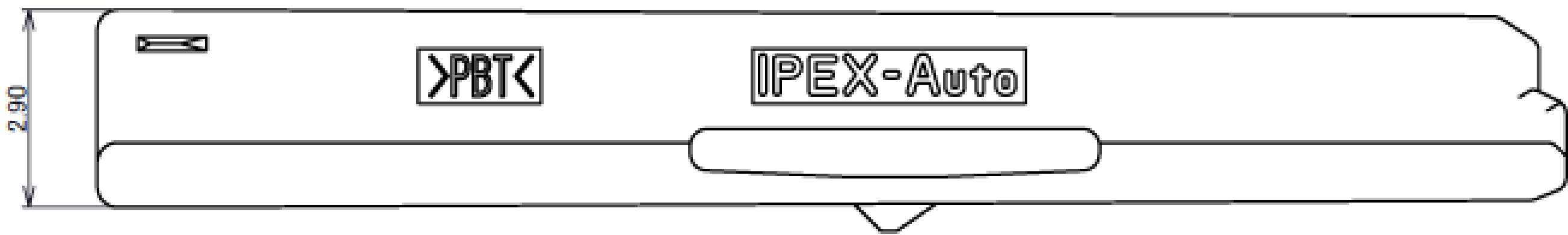
- NOTES
- 1.APPLICABLE PART NO.:
-FEMALE HOUSING-...V0020-91010-211
 - 2.MATERIAL: PBT
 - 3.COMPLY WITH ELV/RoHS.
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】

1	FEMALE RETAINER	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

Rev.0

ISH® (Vertical Type) FEMALE RETAINER (20P):

PART NO.
V0020-92020-211

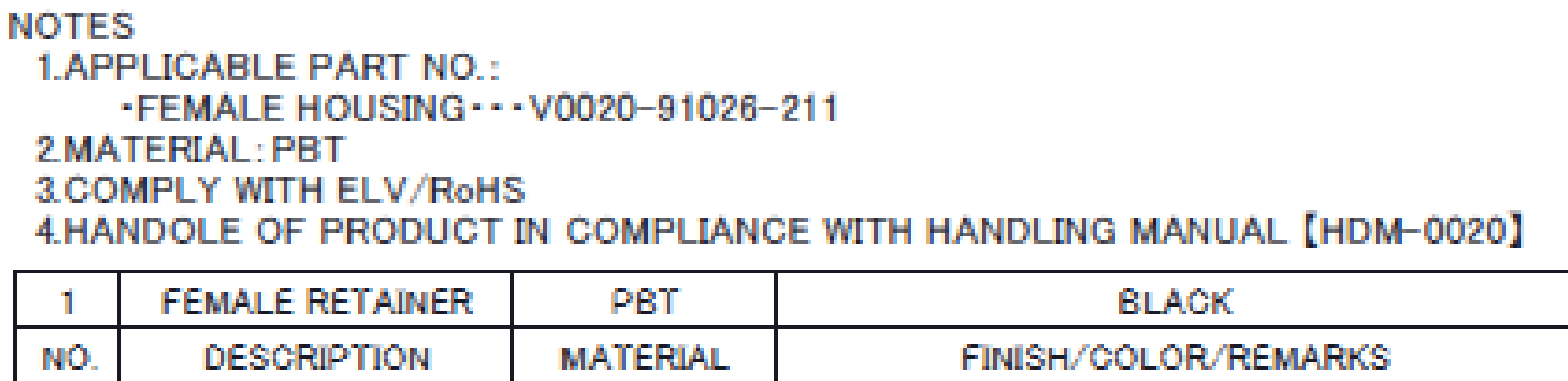


- NOTES
- 1.APPLICABLE PART NO.:
-FEMALE HOUSING-...V0020-91020-211
 - 2.MATERIAL: PBT
 - 3.COMPLY WITH ELV/RoHS
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL 【HDM-0020】

1	FEMALE RETAINER	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

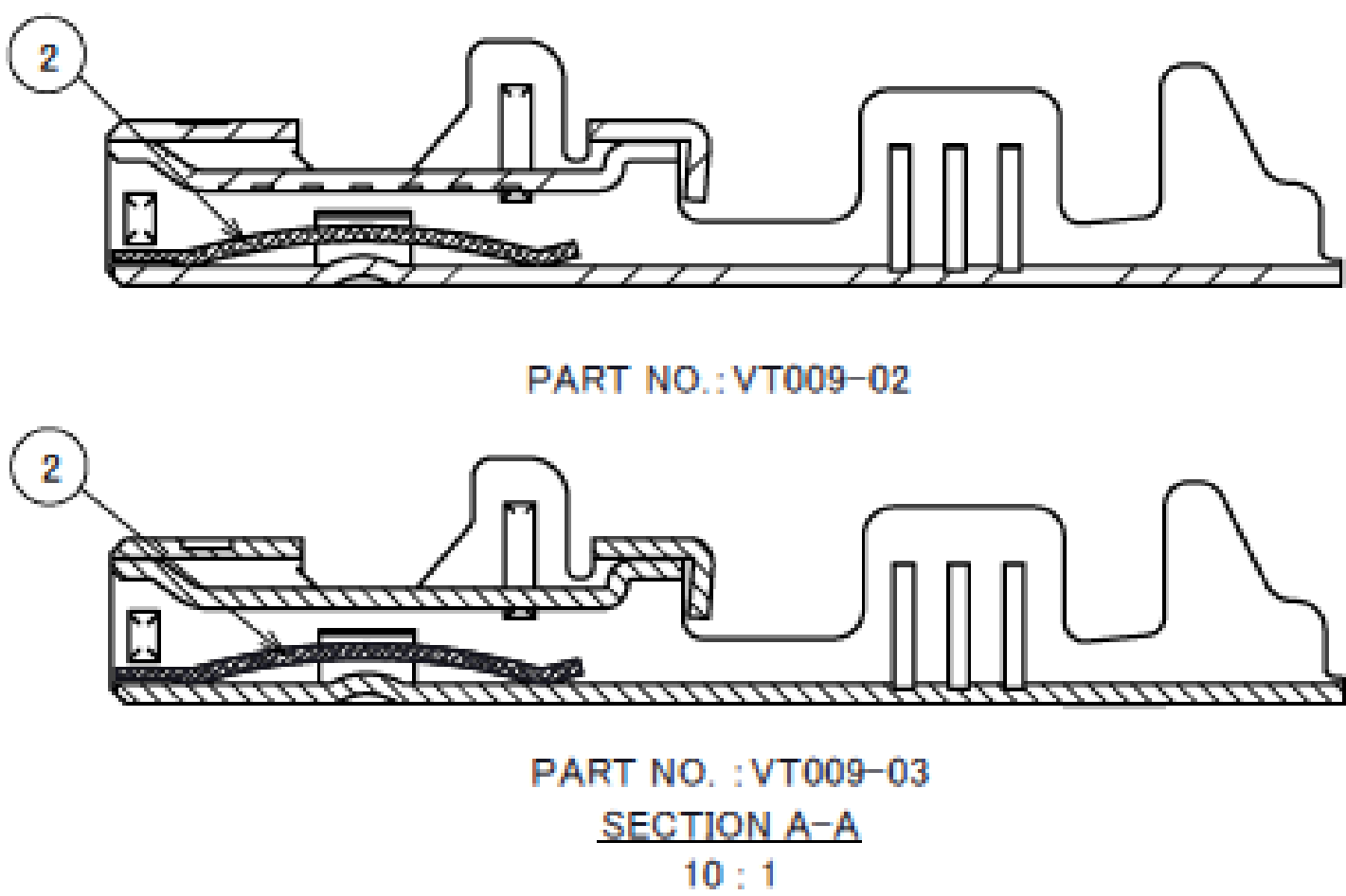
Rev.0

PART NO.
V0020-92026-211



Rev.0

PART NO.	PLATING
VT009-02	Sn REFLOW
VT009-03	CONTACT AREA : Au PLATING CRIMPING AREA : Sn REFLOW



NOTE

1. APPLICABLE FEMALE HOUSING :ISH CONNECTOR SERIES
2. APPLICABLE CABLE SIZE : 0.3mm² / 0.5mm² (FINISHED ϕ 1.60mm MAX.)
3. COMPLY WITH ELV/RoHS.
4. TERMINAL CRIMP SPECIFICATION MUST BE COMPLIANT WITH HANDLING MANUAL [HDM-0020].

2	SPRING	COPPER ALLOY	VT009-02 PLATING : Sn REFLOW VT009-03 PLATING : Au PLATING
1	BODY	BRASS	VT009-02 PLATING : Sn REFLOW VT009-03 PLATING CONTACT AREA : Au PLATING CRIMPING AREA : Sn REFLOW
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

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Custom Connectors Available

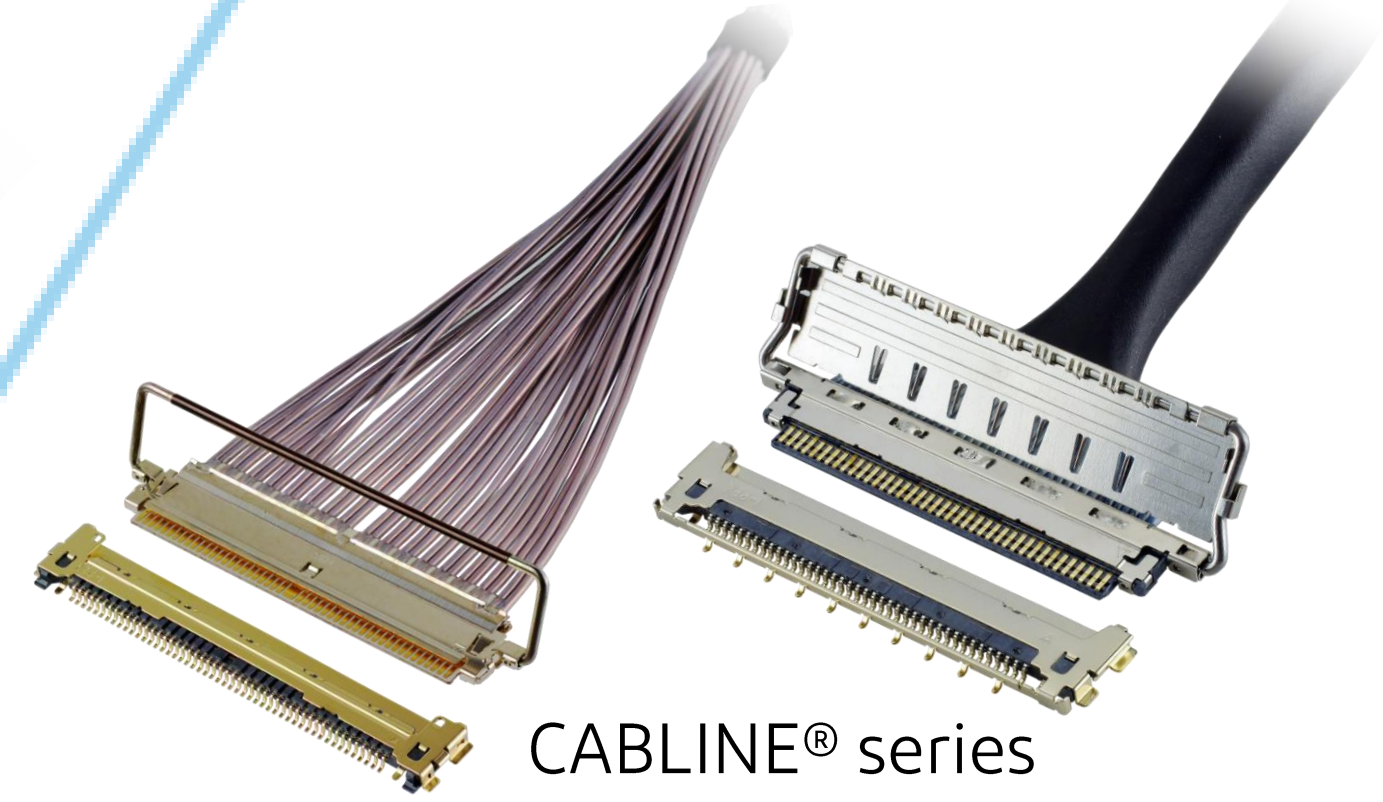


RF
Connectors

MHF® series



CABLINE® series
Micro-coaxial/Twinax
Connectors

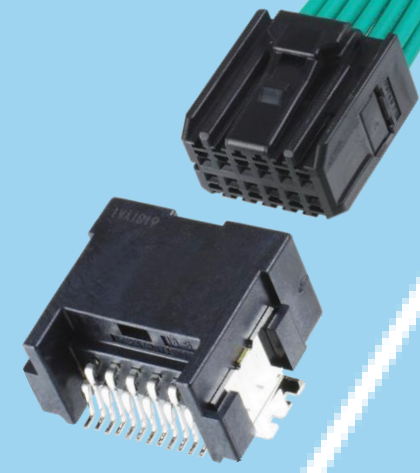


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



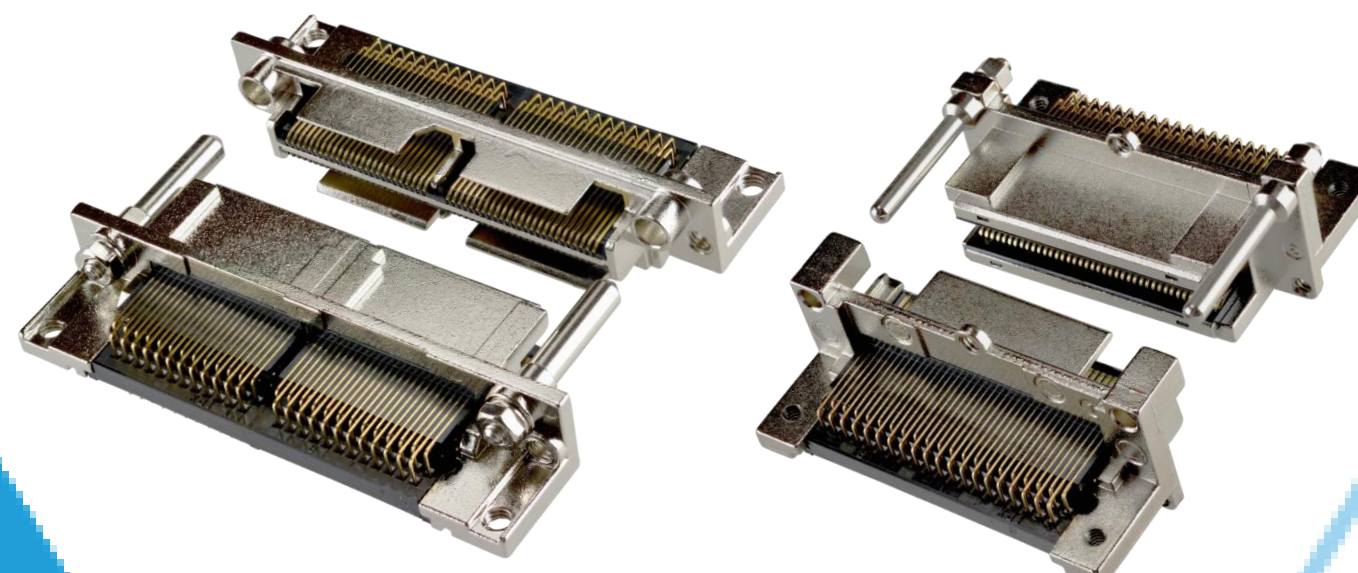
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series EVAFLEX® series



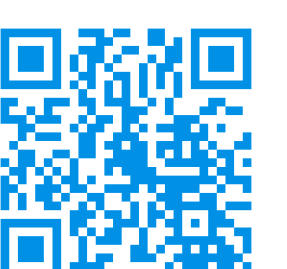
Inquiry



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Contact your sales representative
or more detailed information.

www.i-pex.com



I-PEX

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