

ISH[®] (Vertical Type)

耐高温・耐振動性に優れた垂直嵌合SMTコネクタ

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:

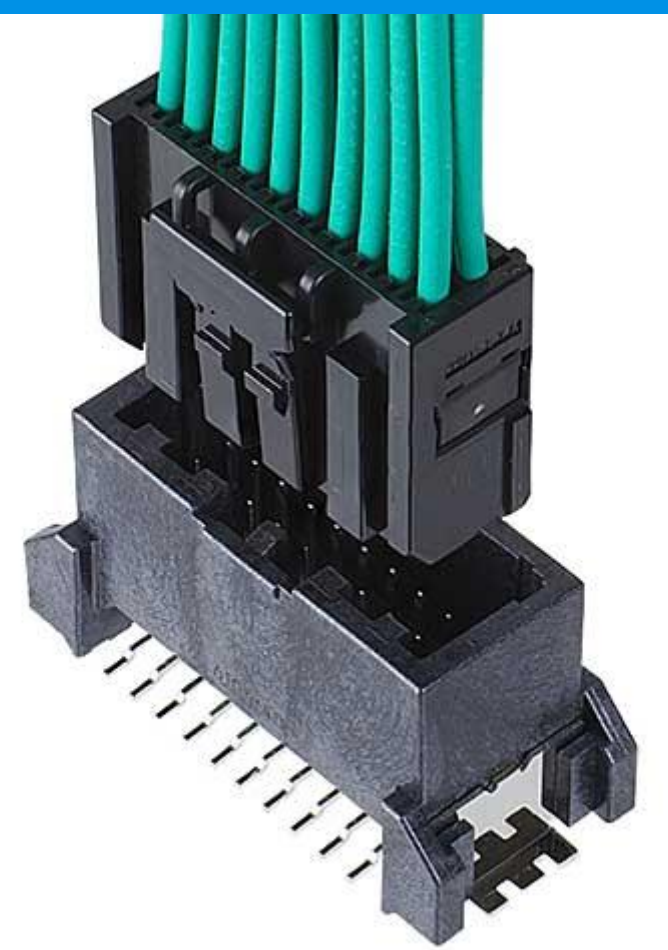
AWG#22,#20

*Insulation Diameter 1.6 mm max.

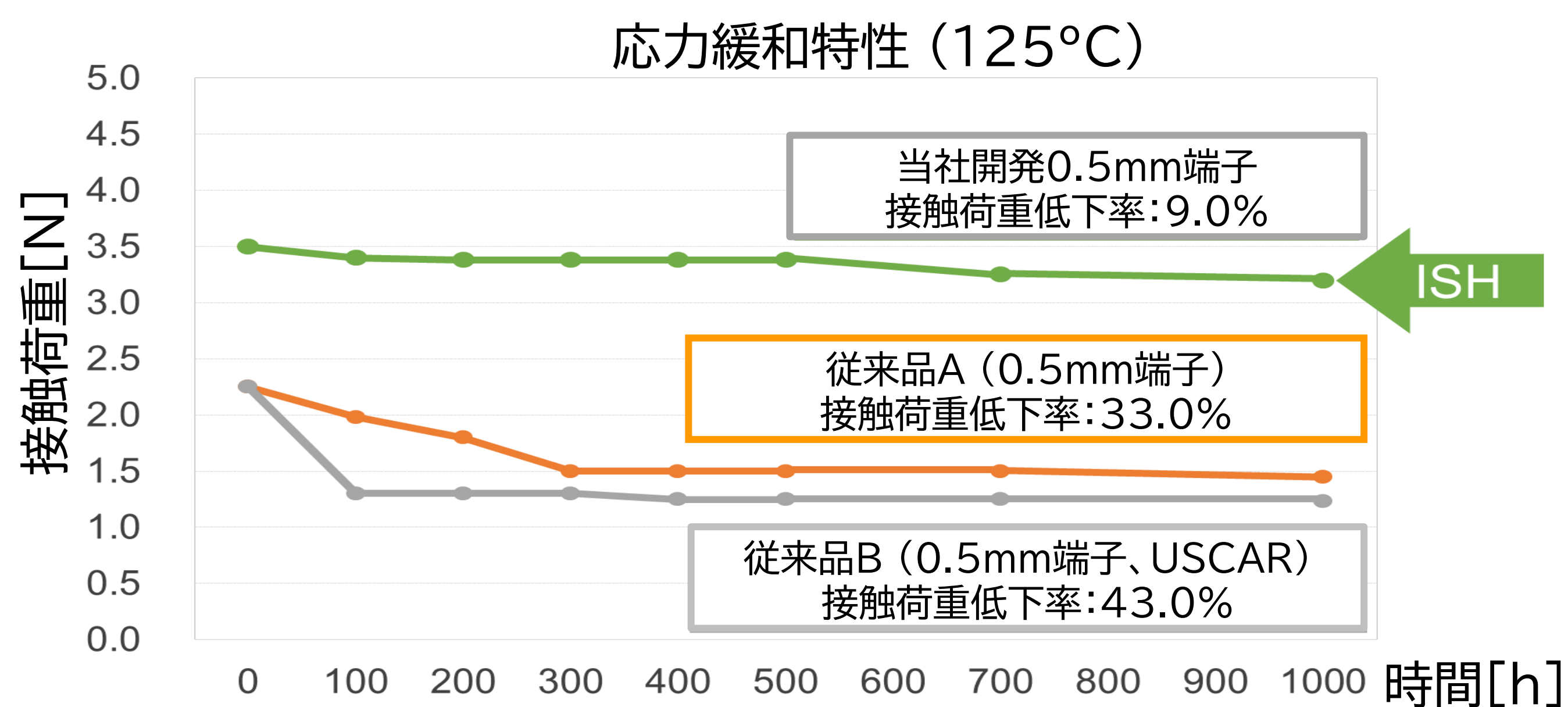
Applicable Standards (Reference Only):

LV214 : 8P (optional)

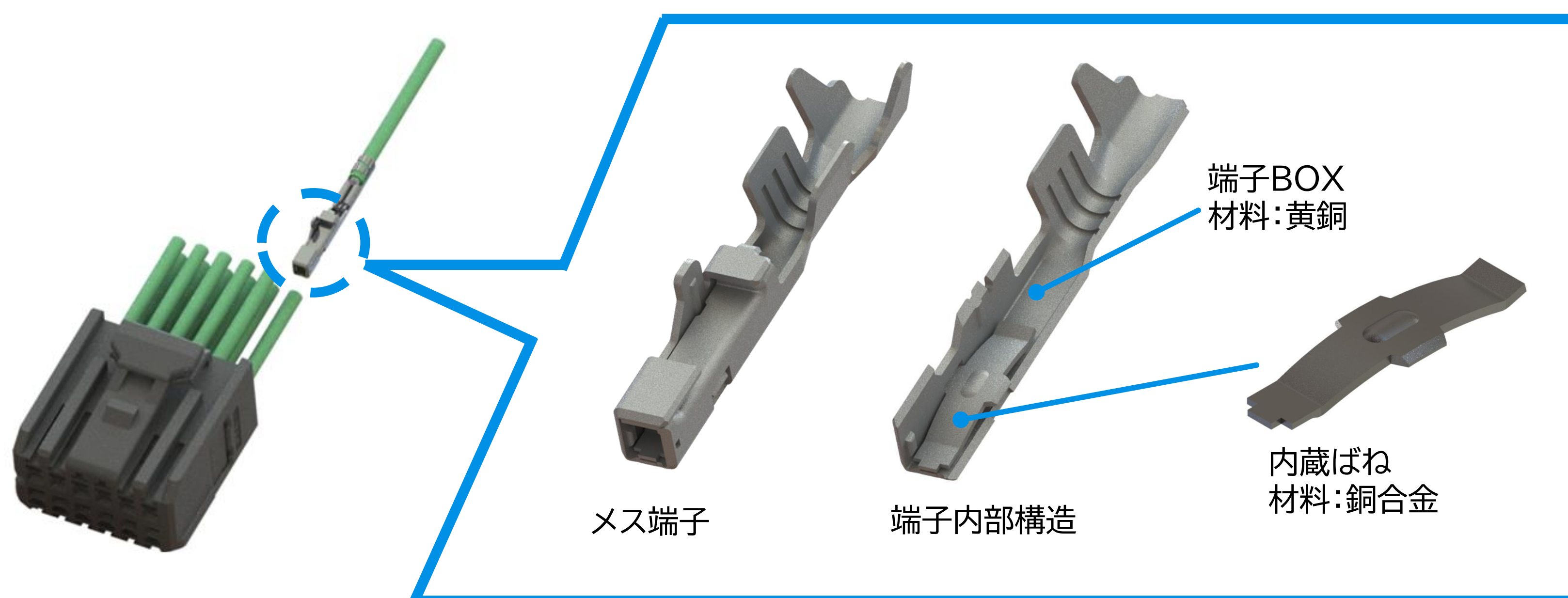
*記載のない極数の対応状況についてはお問い合わせください。
*ISH V シリーズ対応:8P



▶ 高い接触信頼性を求める機器に最適な優れた耐高温性・耐振動性



▶ 独自のバネ構造端子による高い長期接触信頼性



▶ LV214規格準拠、高温・振動環境の産業用途等に最適

車載機器



- ヘッドランプ & その他車載照明機器
- インバータ & DC/DCコンバータ
- バッテリーコントロールモジュール
- フロント/リアカメラECU
- 車載インフォテインメント

その他機器



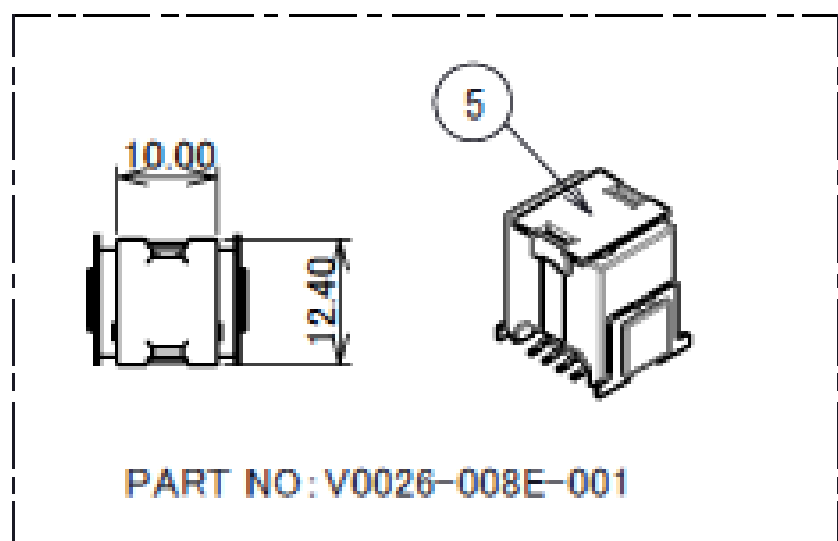
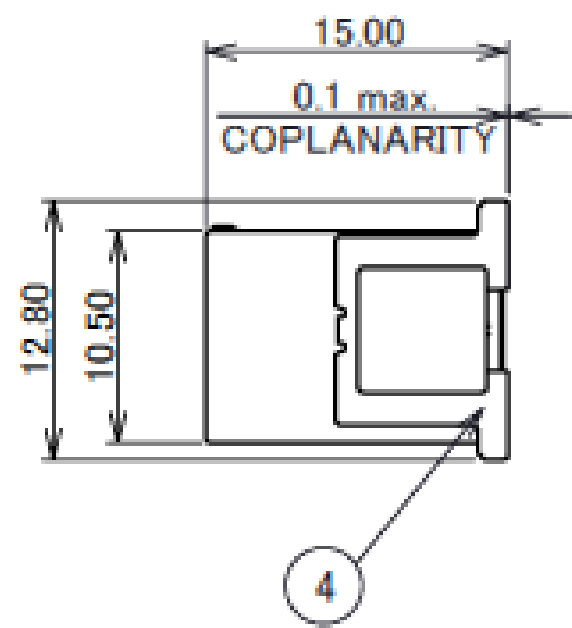
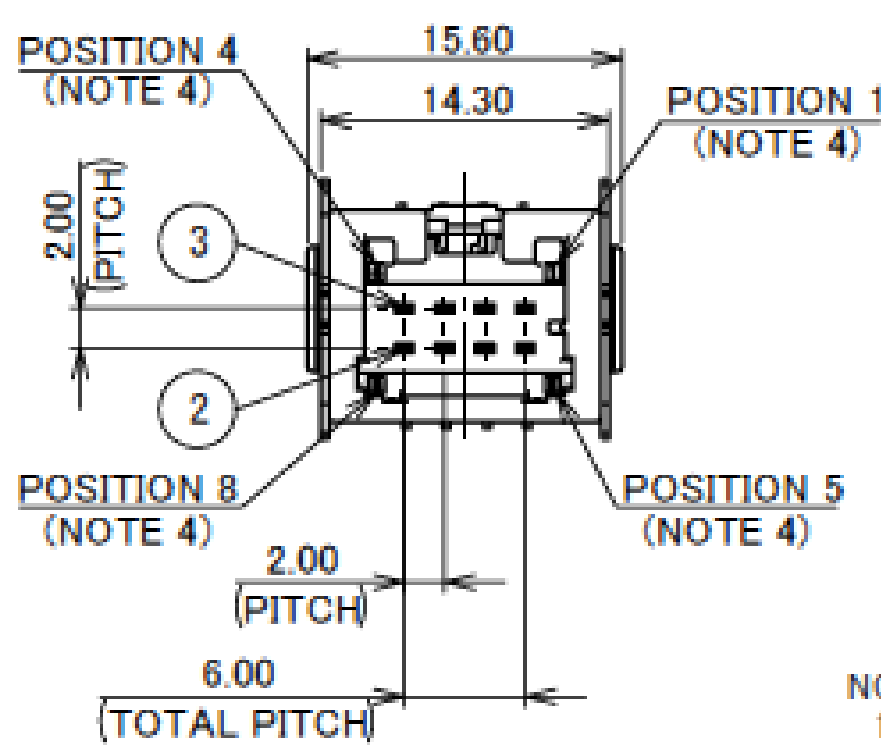
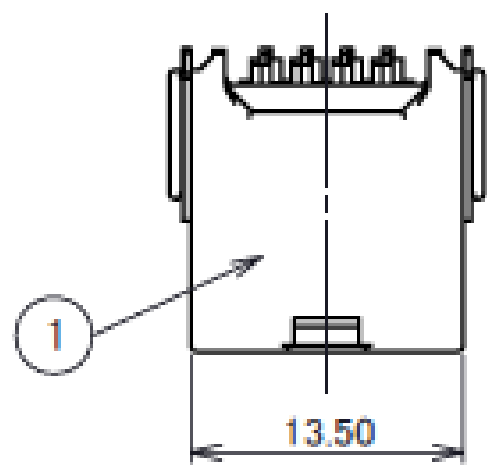
- オフロード車 (ATV/UTV車、QUAD車、3輪車)
- トラック、農機・建機(油圧ショベル、建機用ローダー)
- 工場自動化

LV214規格準拠が必要な機器
 LV214準拠品番については[弊社ホームページ](http://www.i-pex.com)にてご確認いただけます

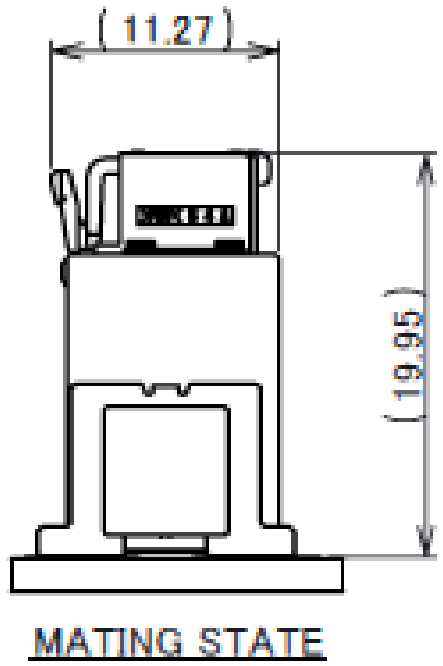
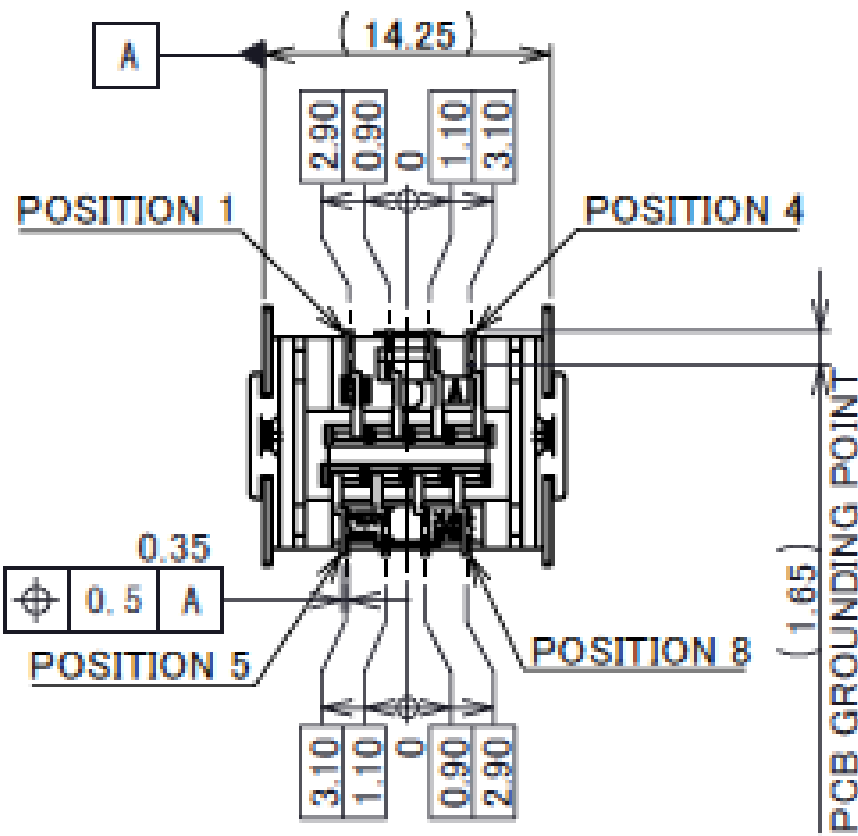
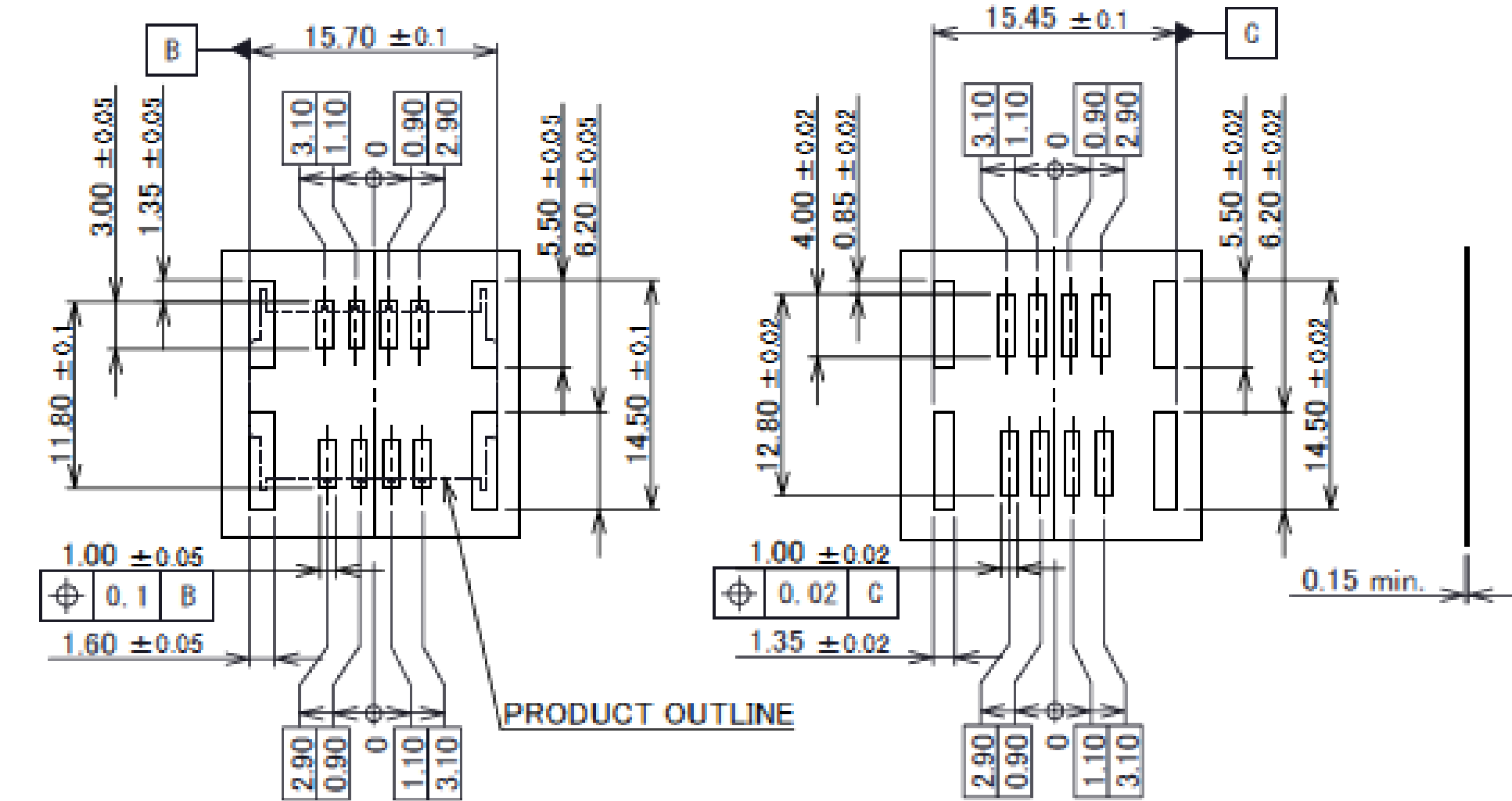
Component Parts Details

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.

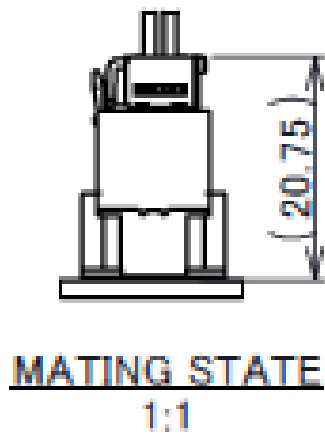
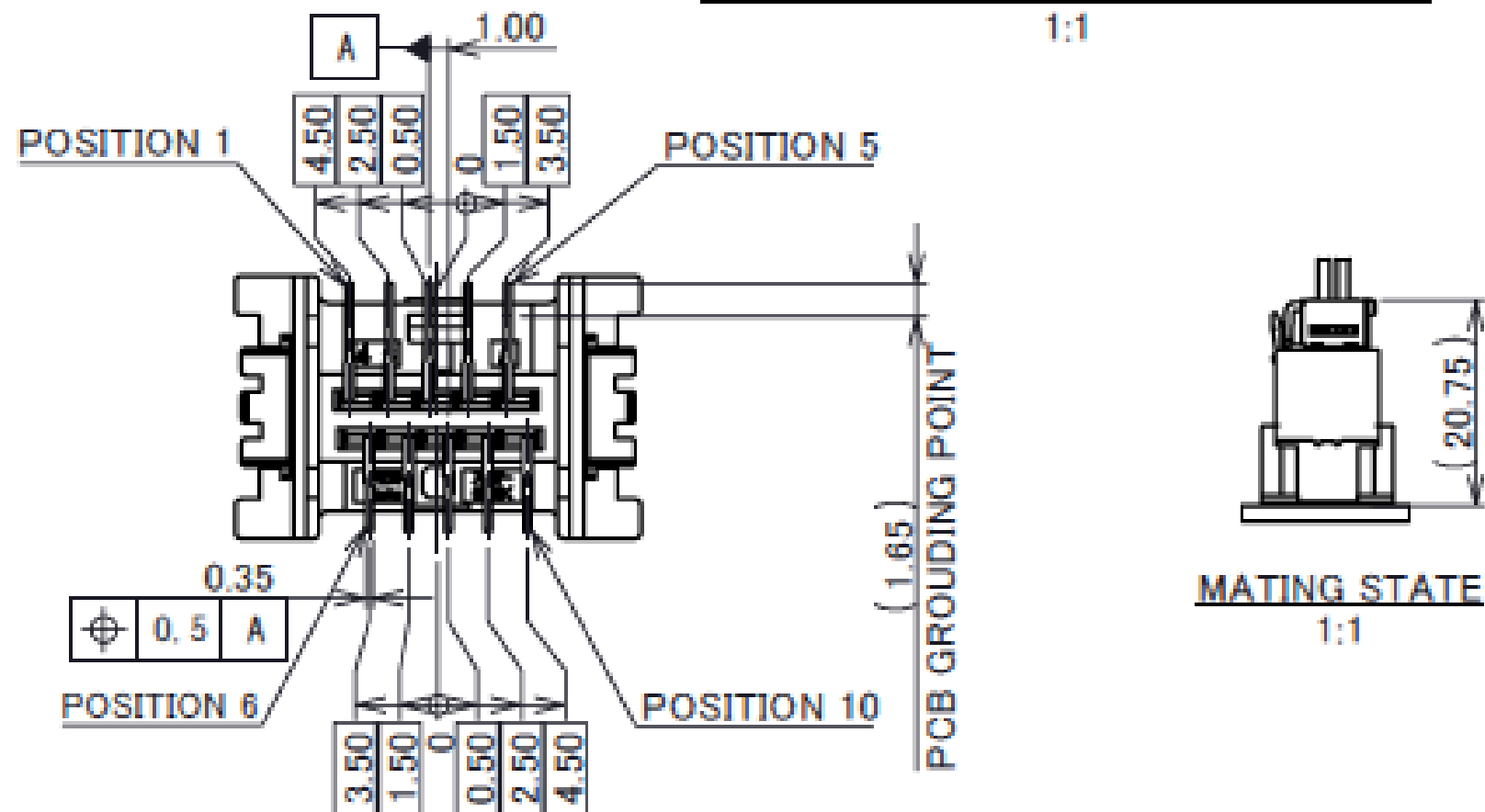
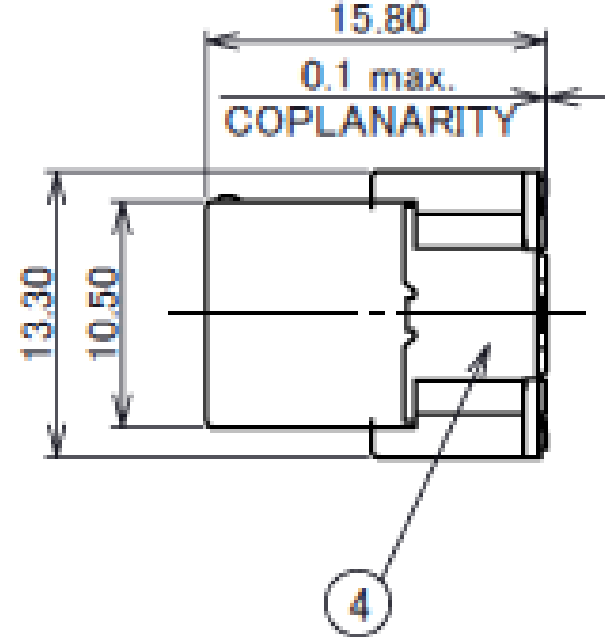
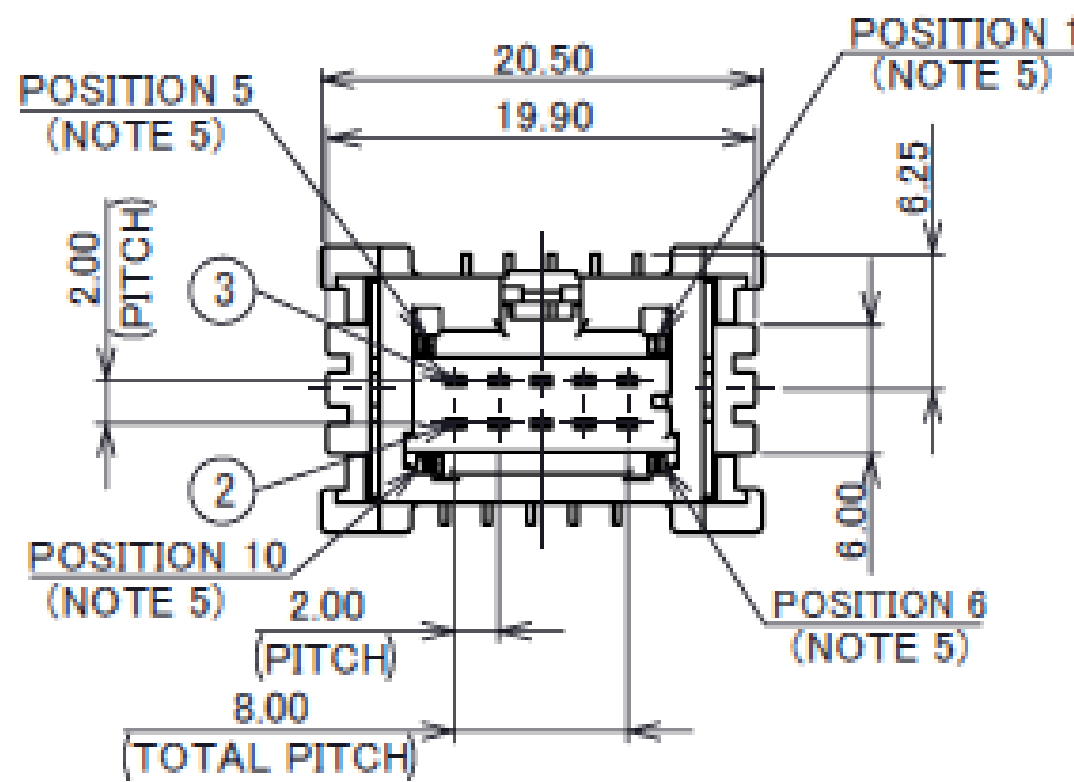
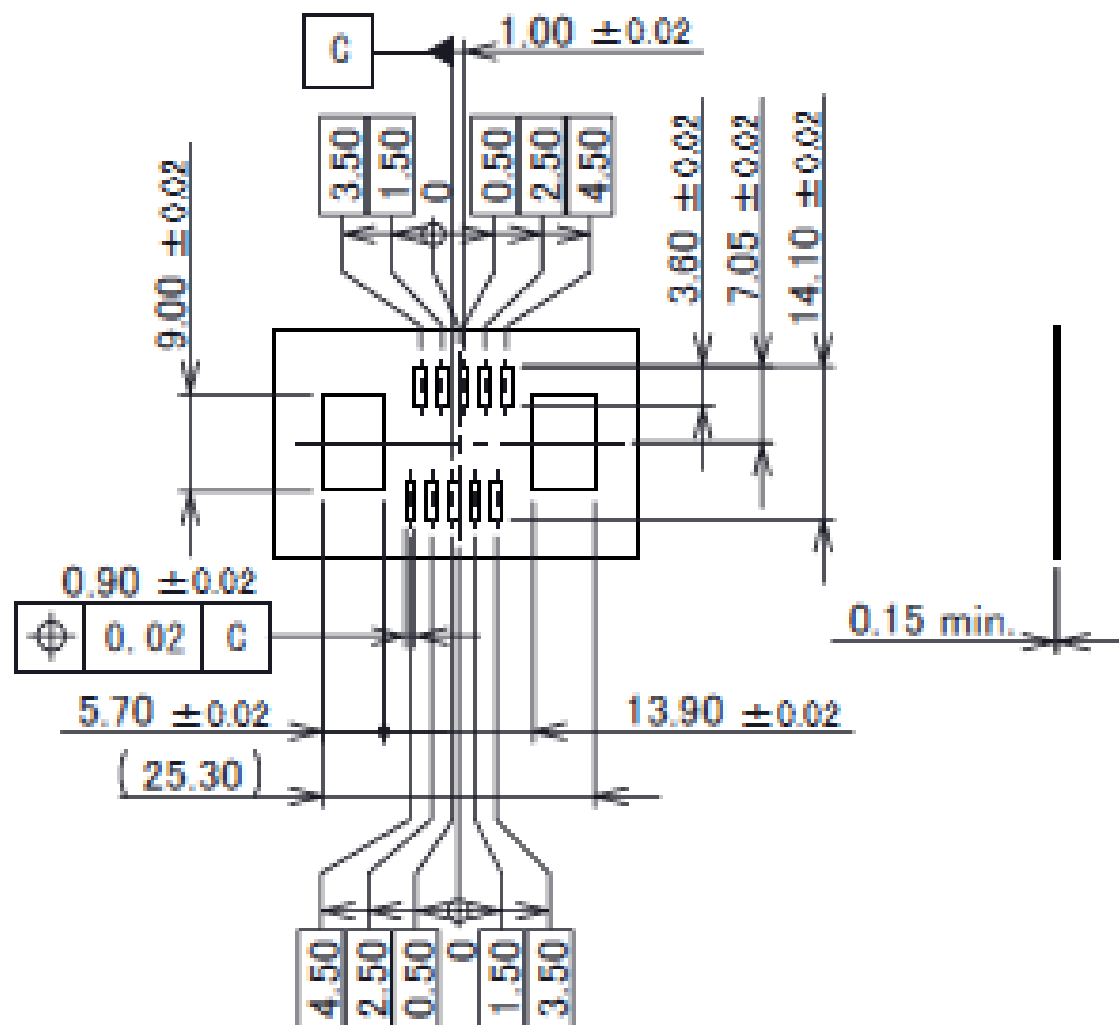
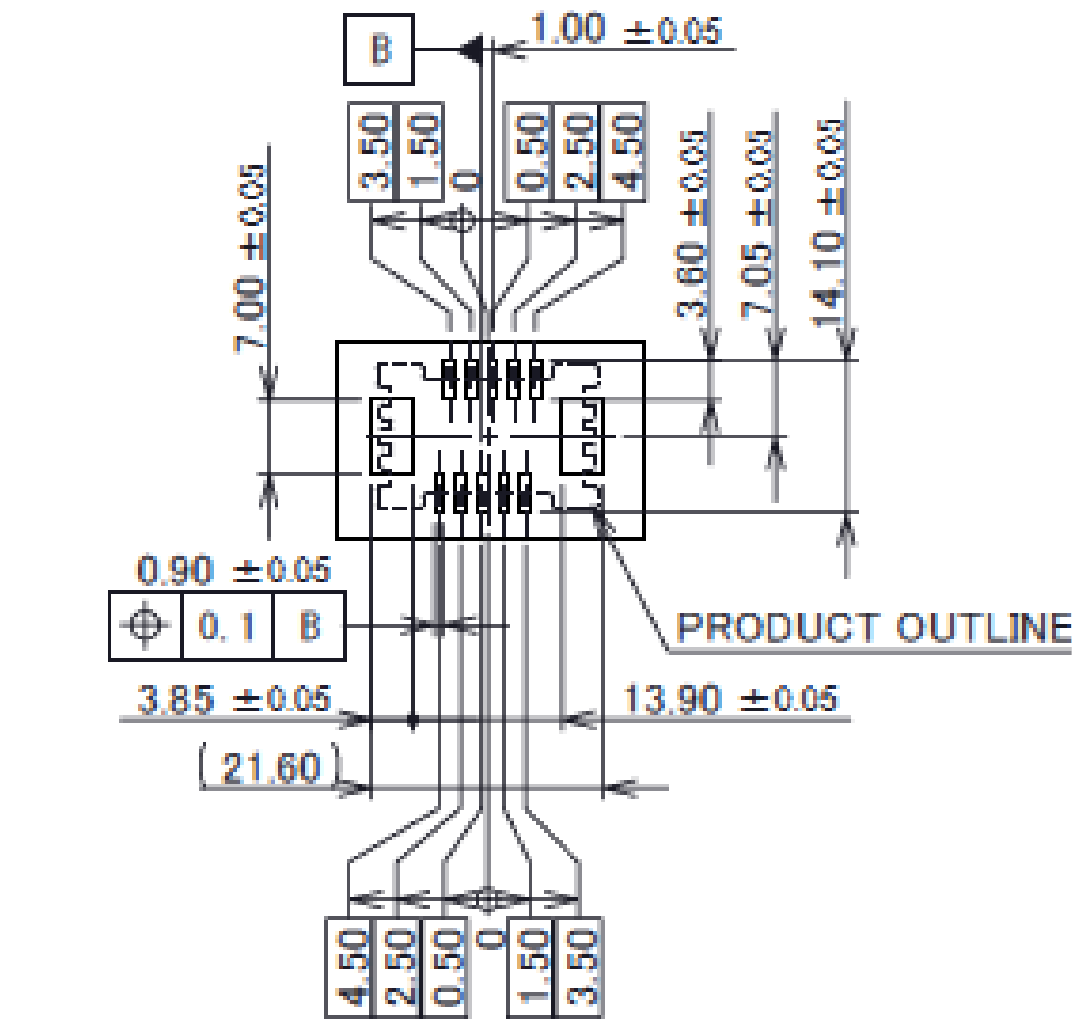
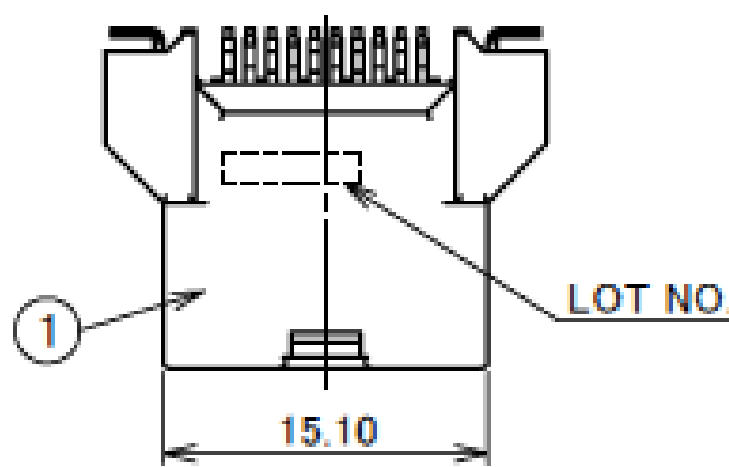


5	VACUUM GAP	GLASS-FILLED LOP	NATURAL
4	HOLD DOWN	BRASS	S _n REFLOW
3	MALE TERMINAL-2	BRASS	S _n REFLOW
2	MALE TERMINAL-1	BRASS	S _n REFLOW
1	MALE HOUSING	GLASS-FILLED LOP	BLACK/UL94V-0
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

ISH® (Vertical Type) MALE (10P):

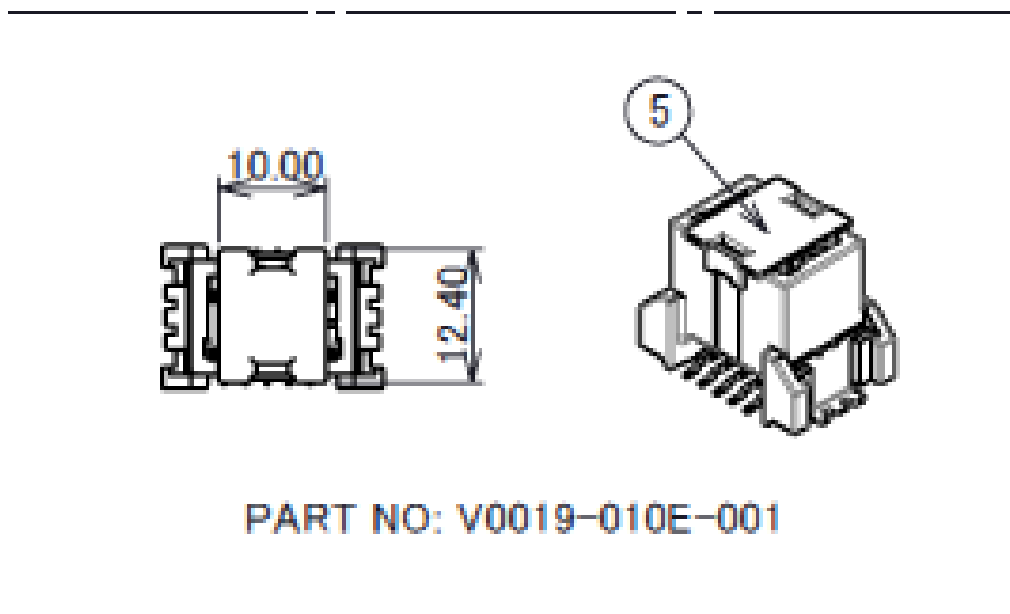
PART NO.	VACUUM CAP
V0019-010E-001	WITH
◆V0019-010E-002	WITHOUT

◆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

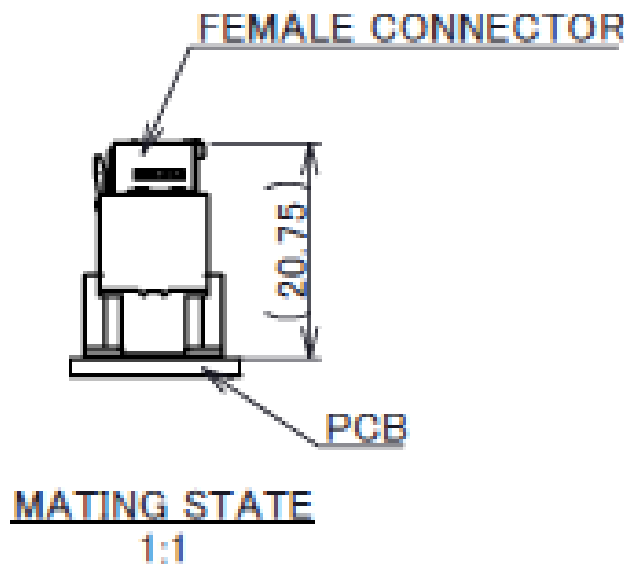
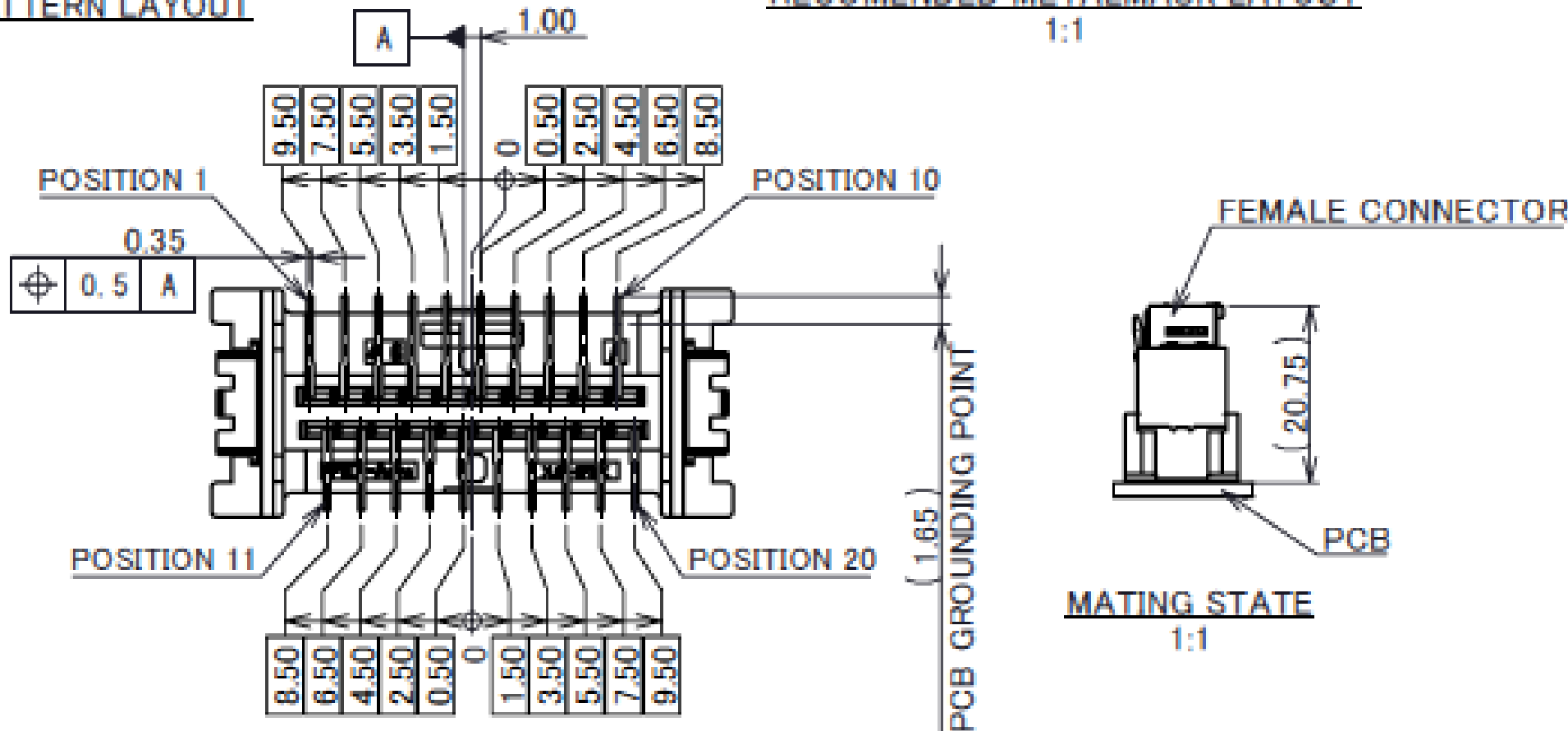
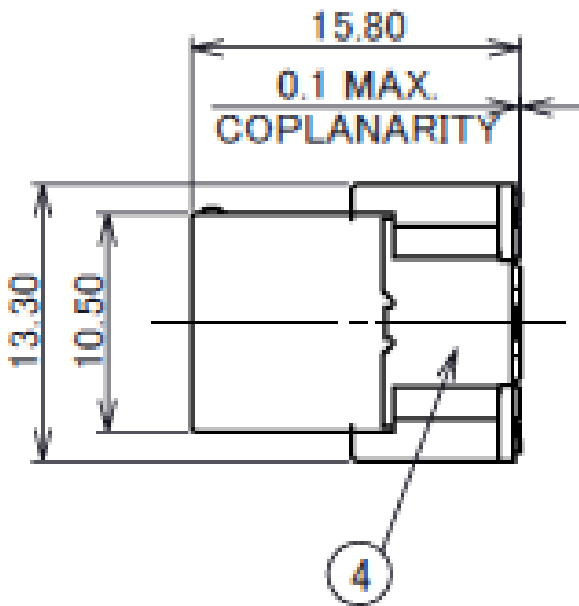
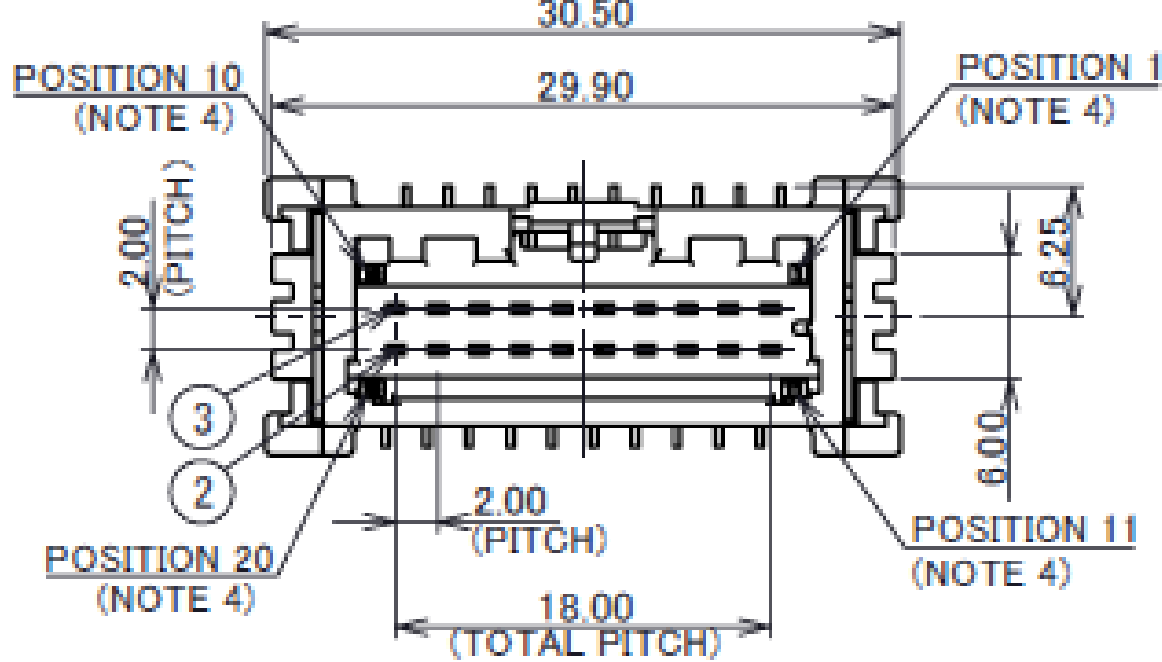
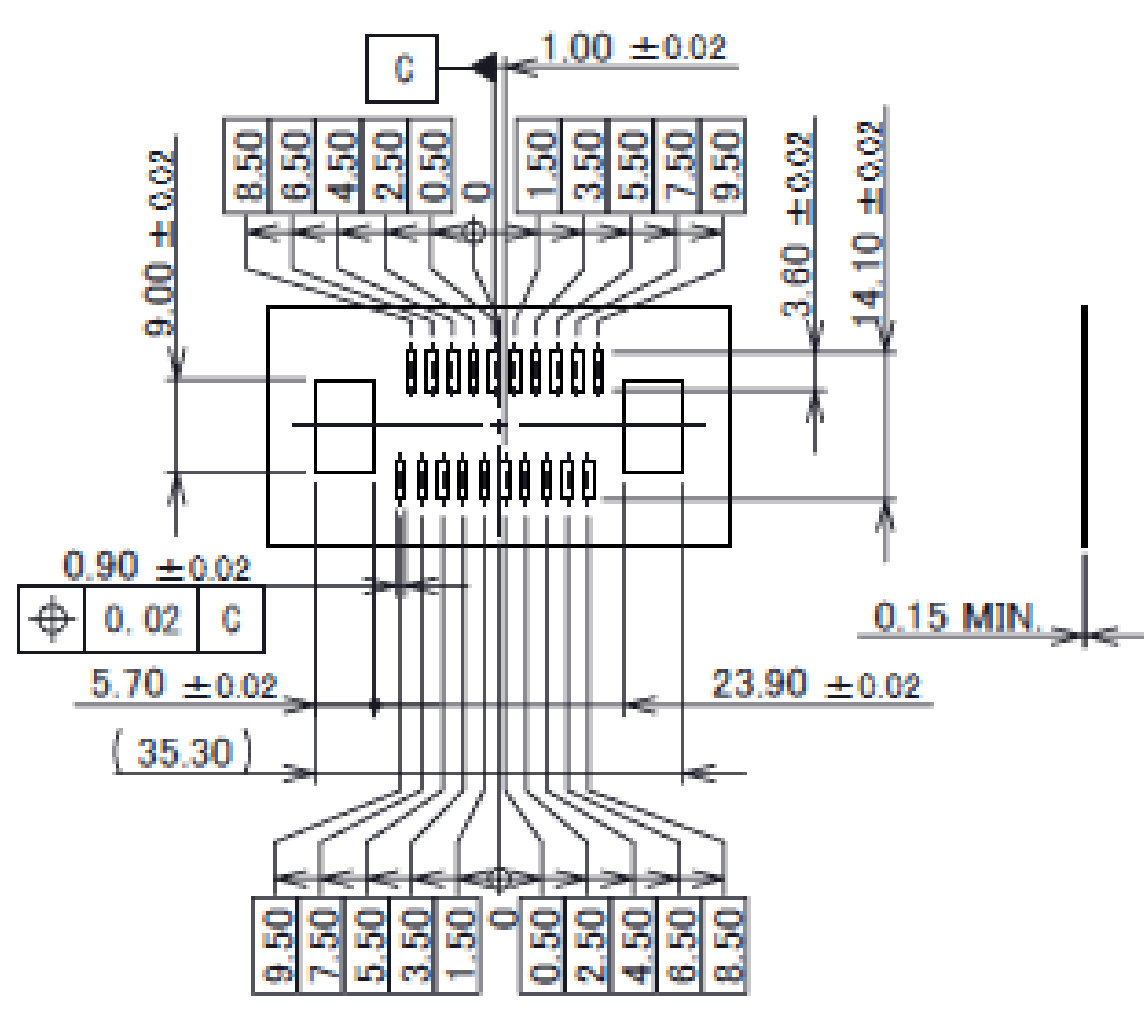
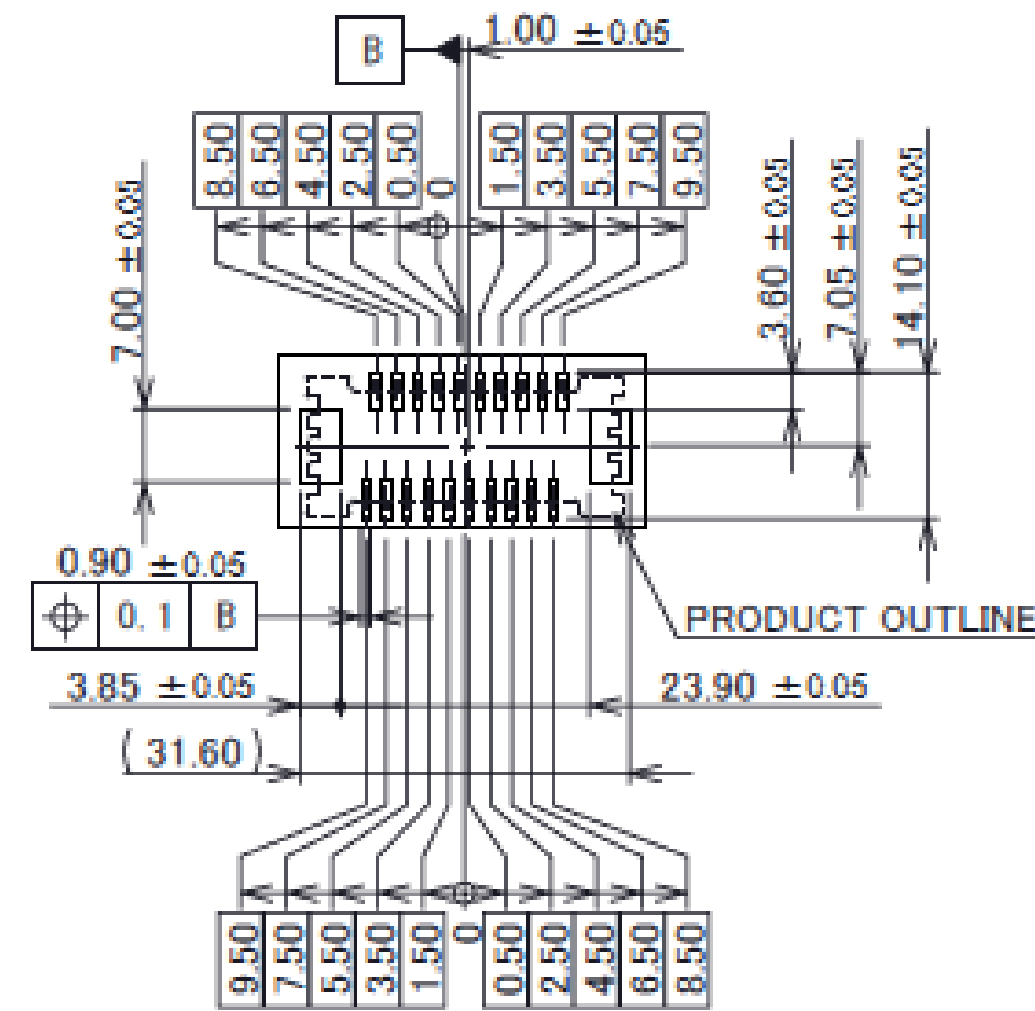
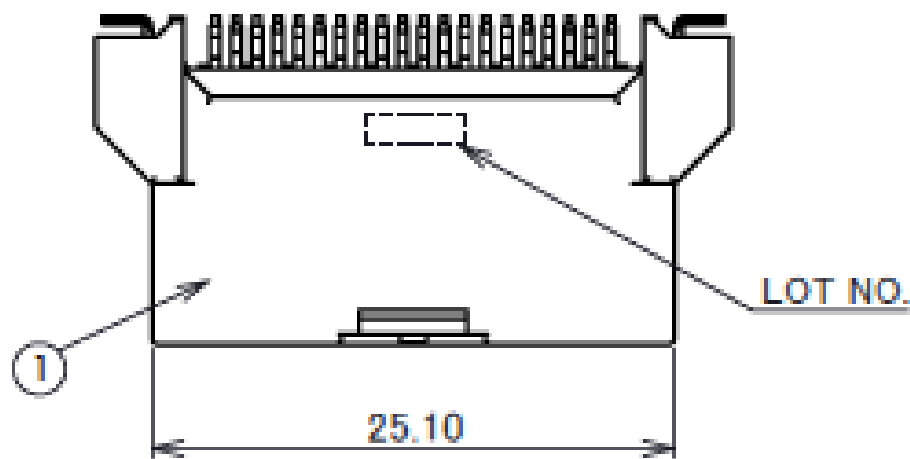


PART NO: V0019-010E-001

Rev.0

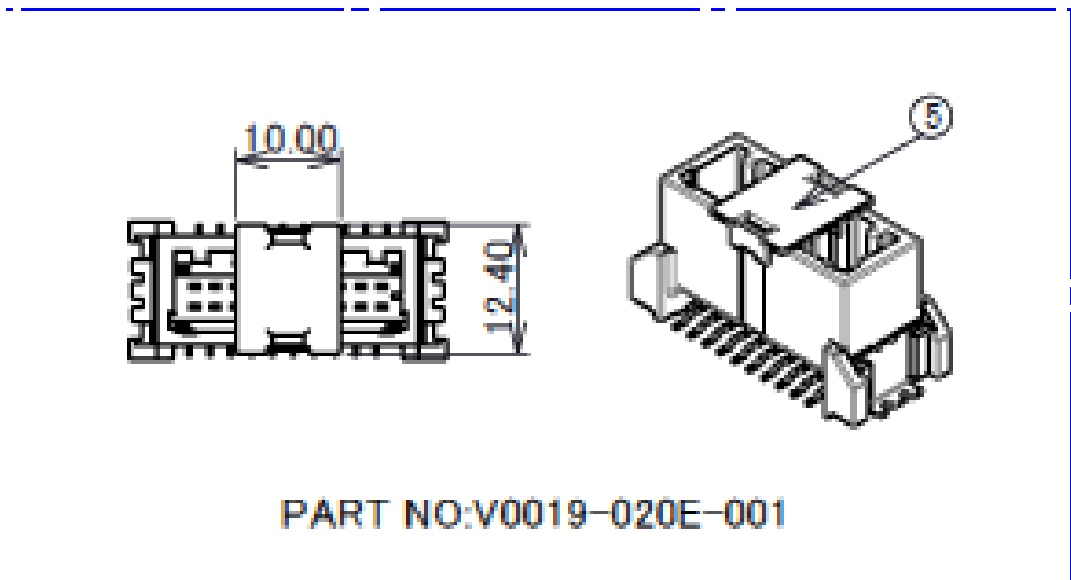
ISH® (Vertical Type) MALE (20P):

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



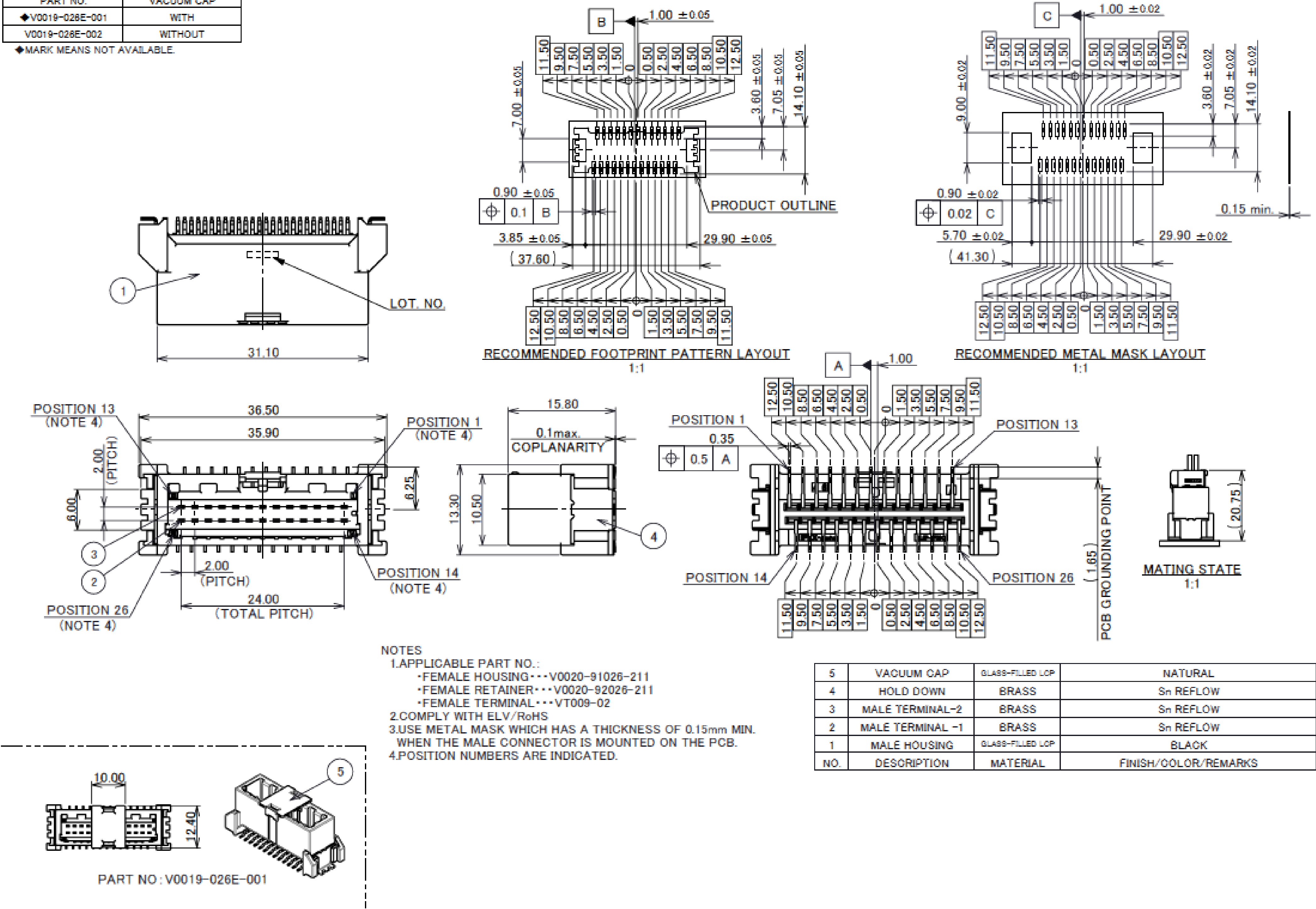
PART NO:V0019-020E-001

Rev.0

ISH® (Vertical Type) MALE (26P):

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

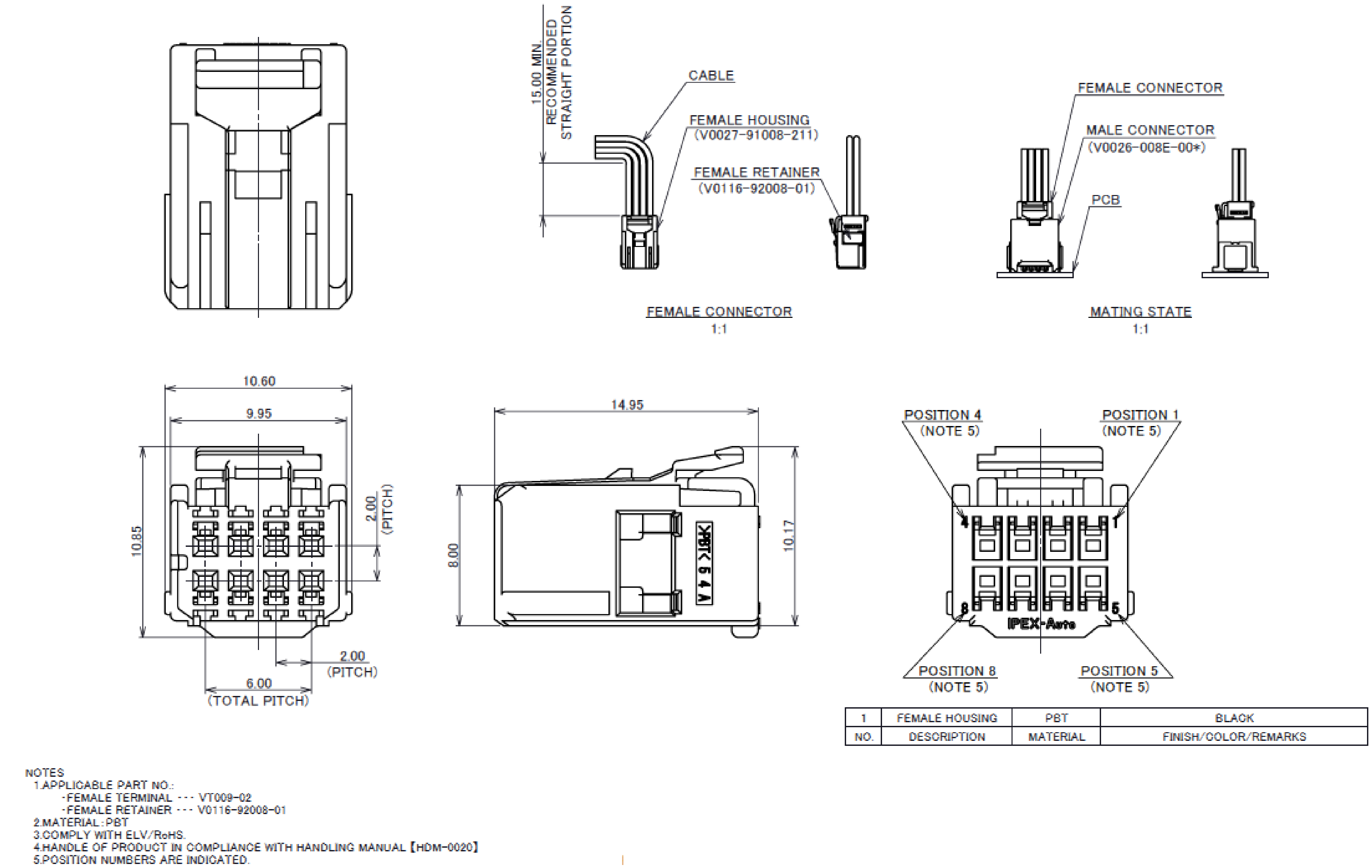
◆MARK MEANS NOT AVAILABLE.



Rev.0

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

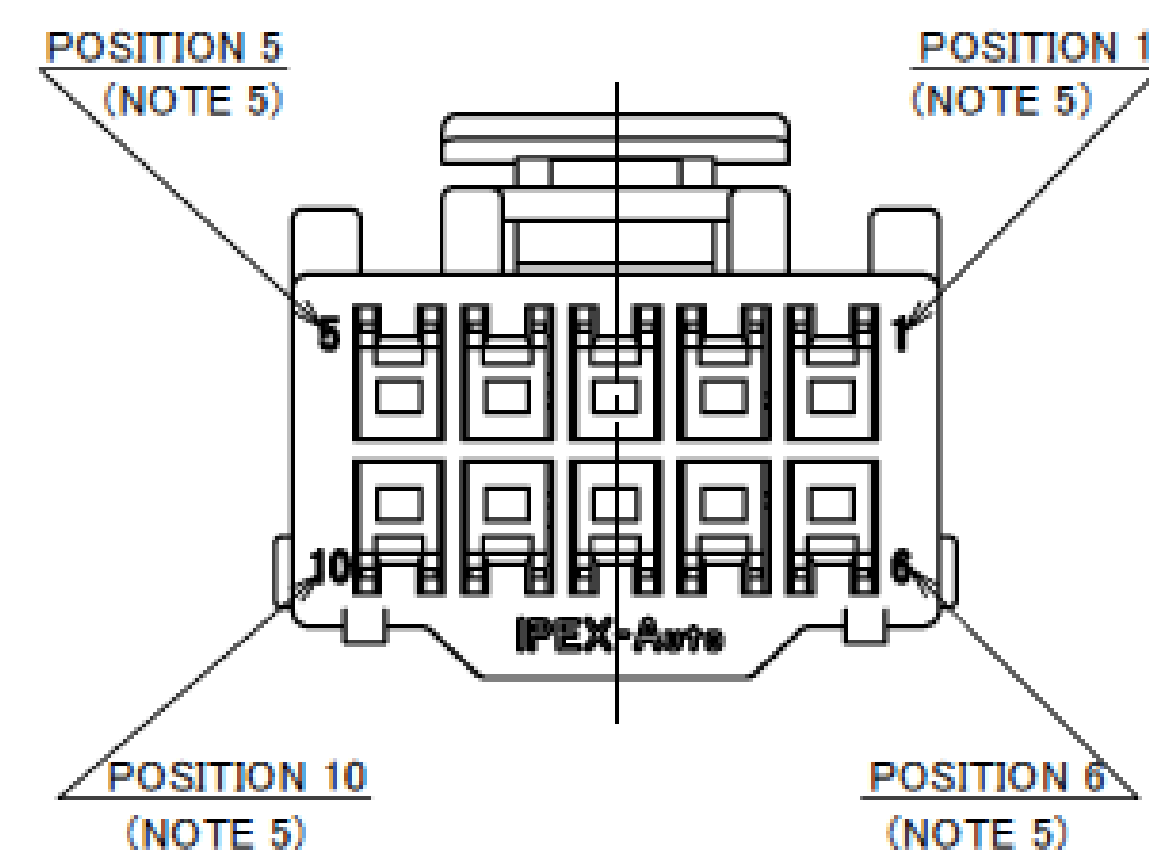
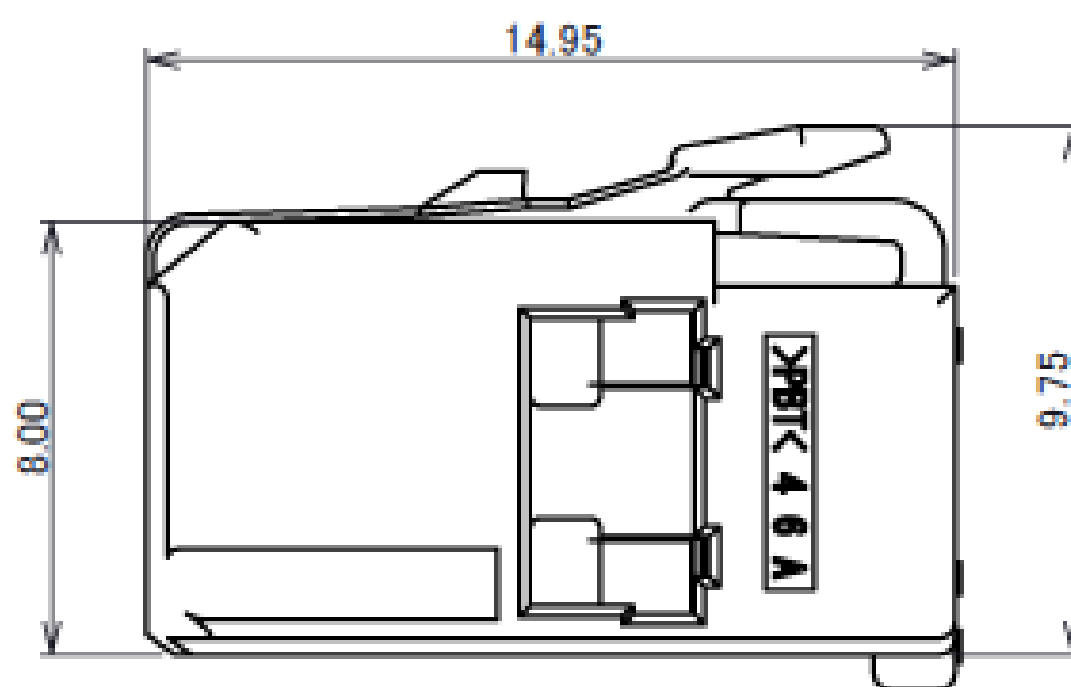
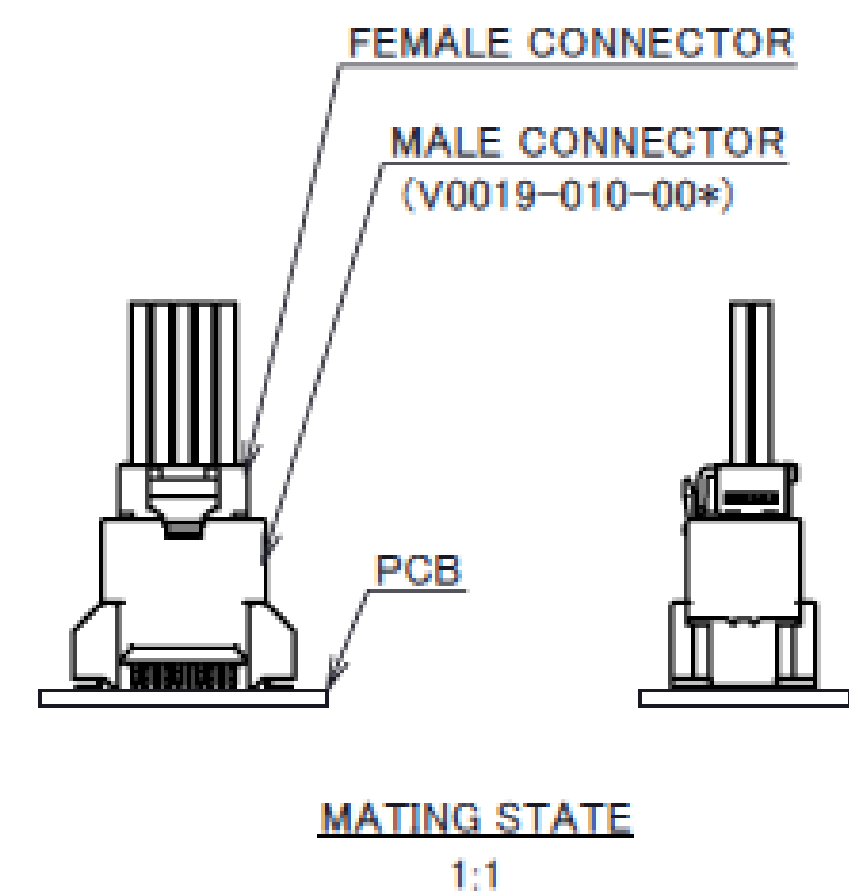
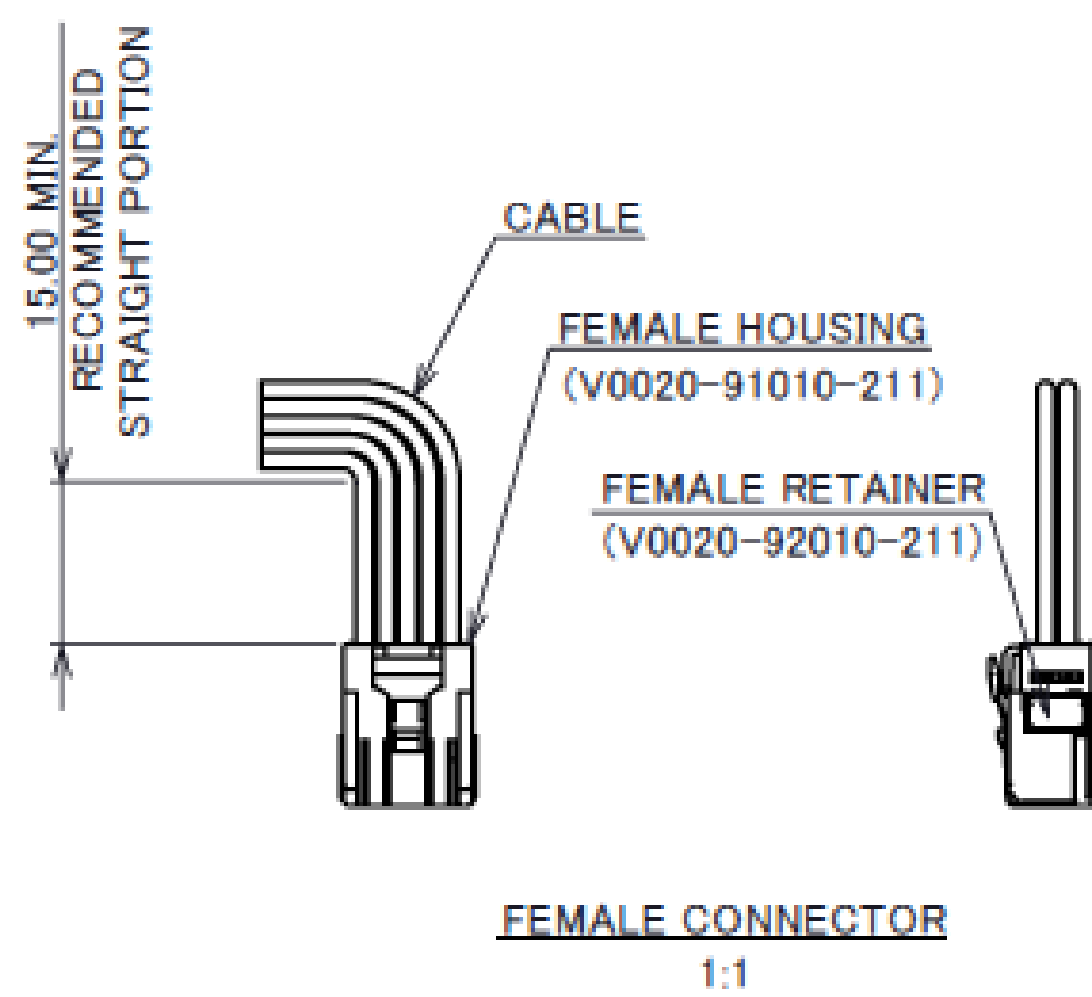
PART NO.	LOCK TYPE	KEY CODING	COLOR	FOR REAR COVER
V0027-91008-211	NORMAL ROCK	-	BLACK	N/A



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

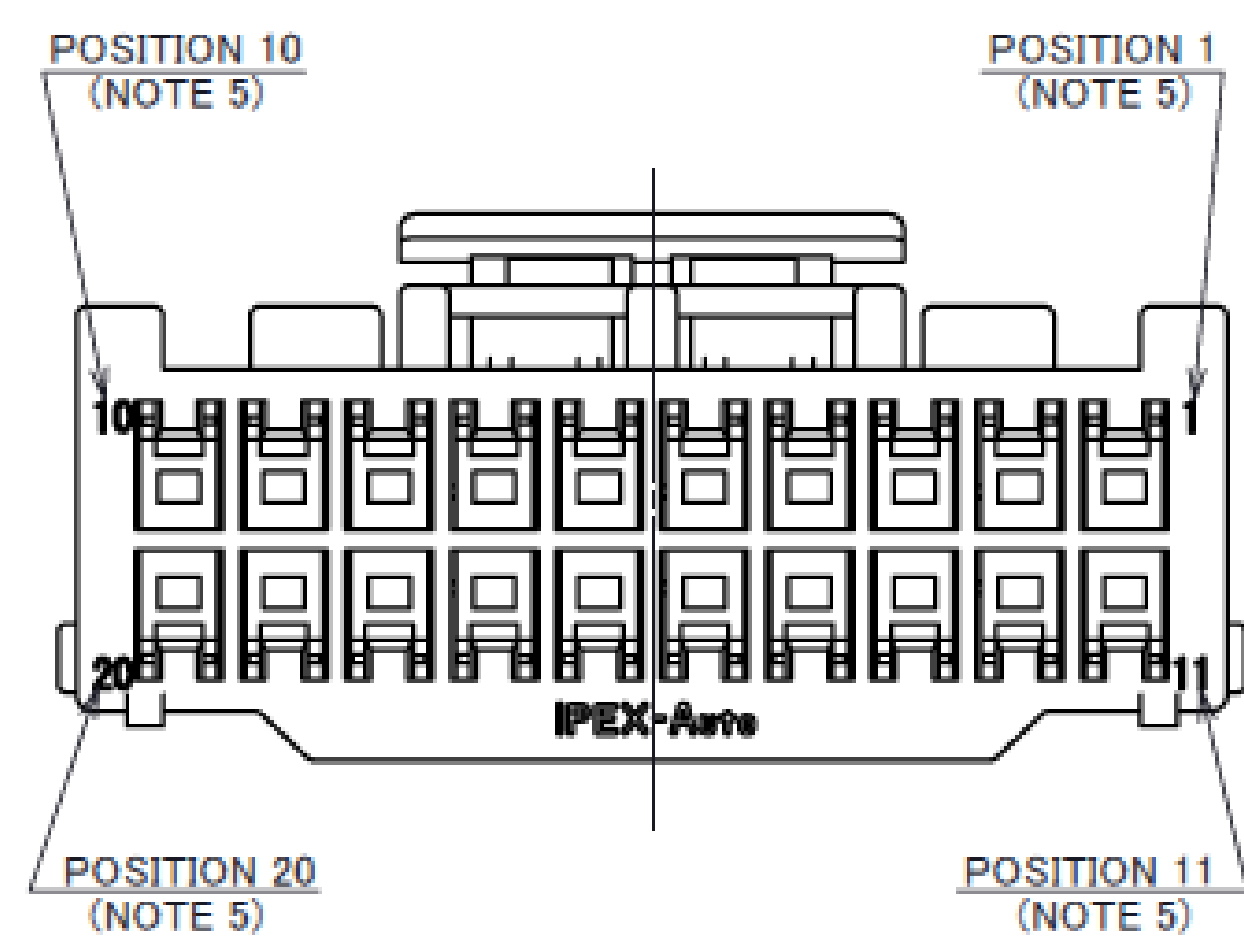
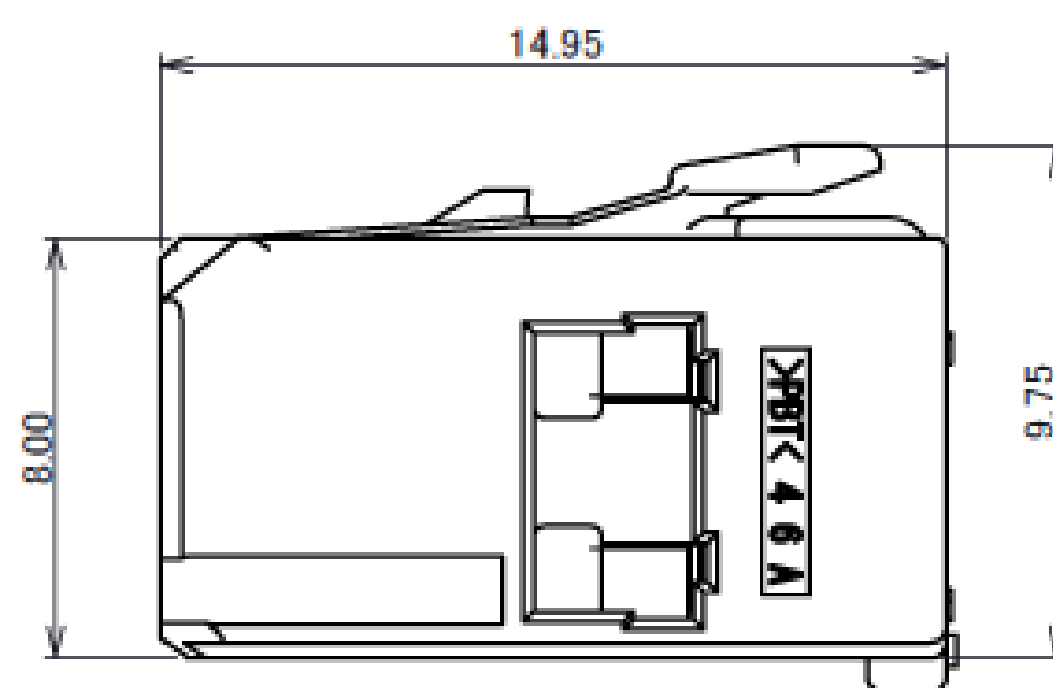
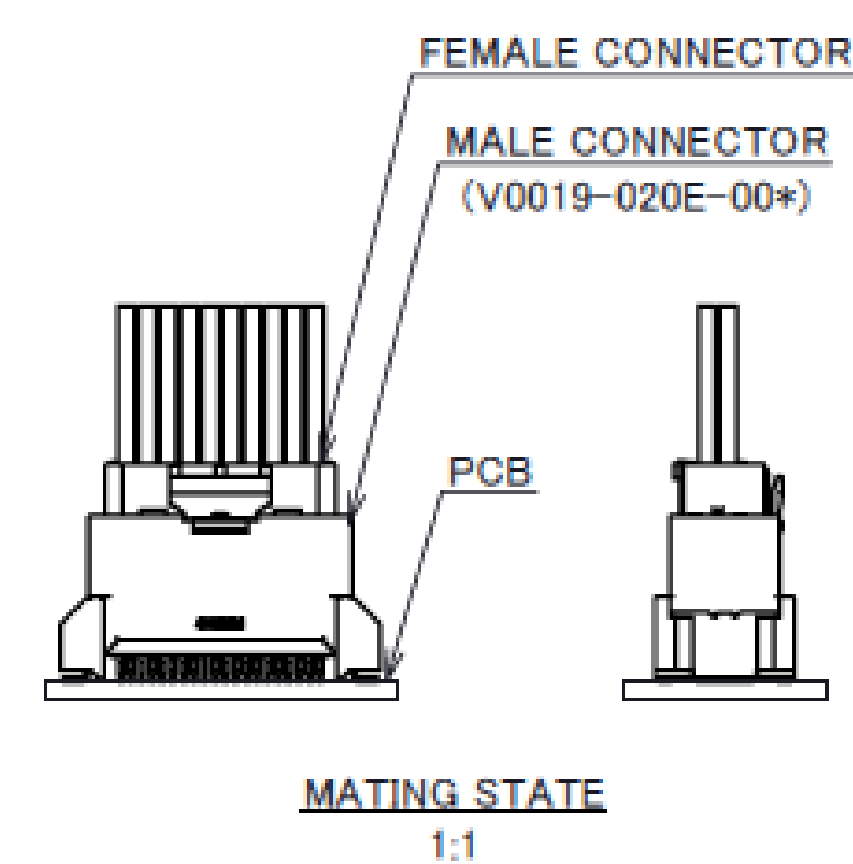
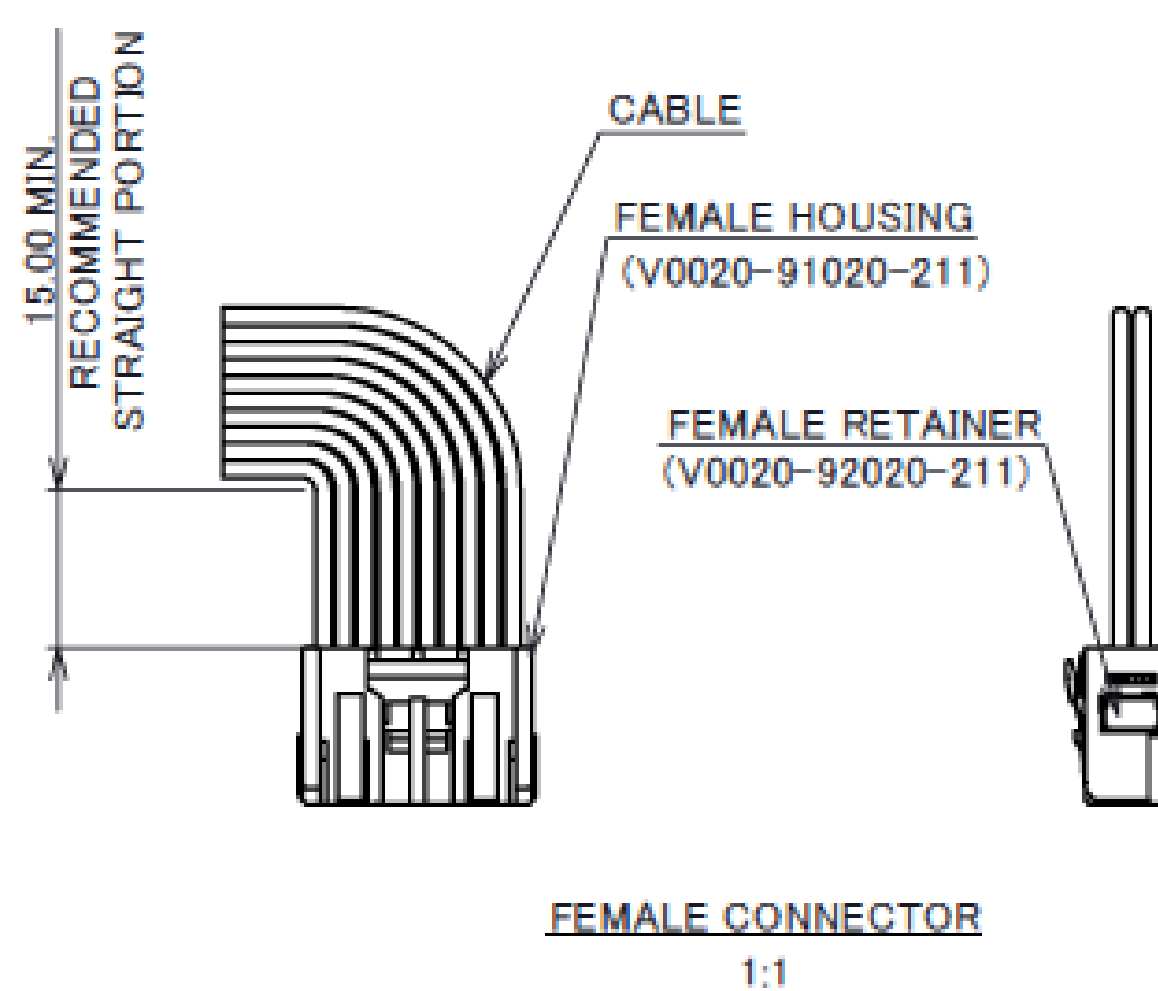
2. MATERIAL: PBT

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

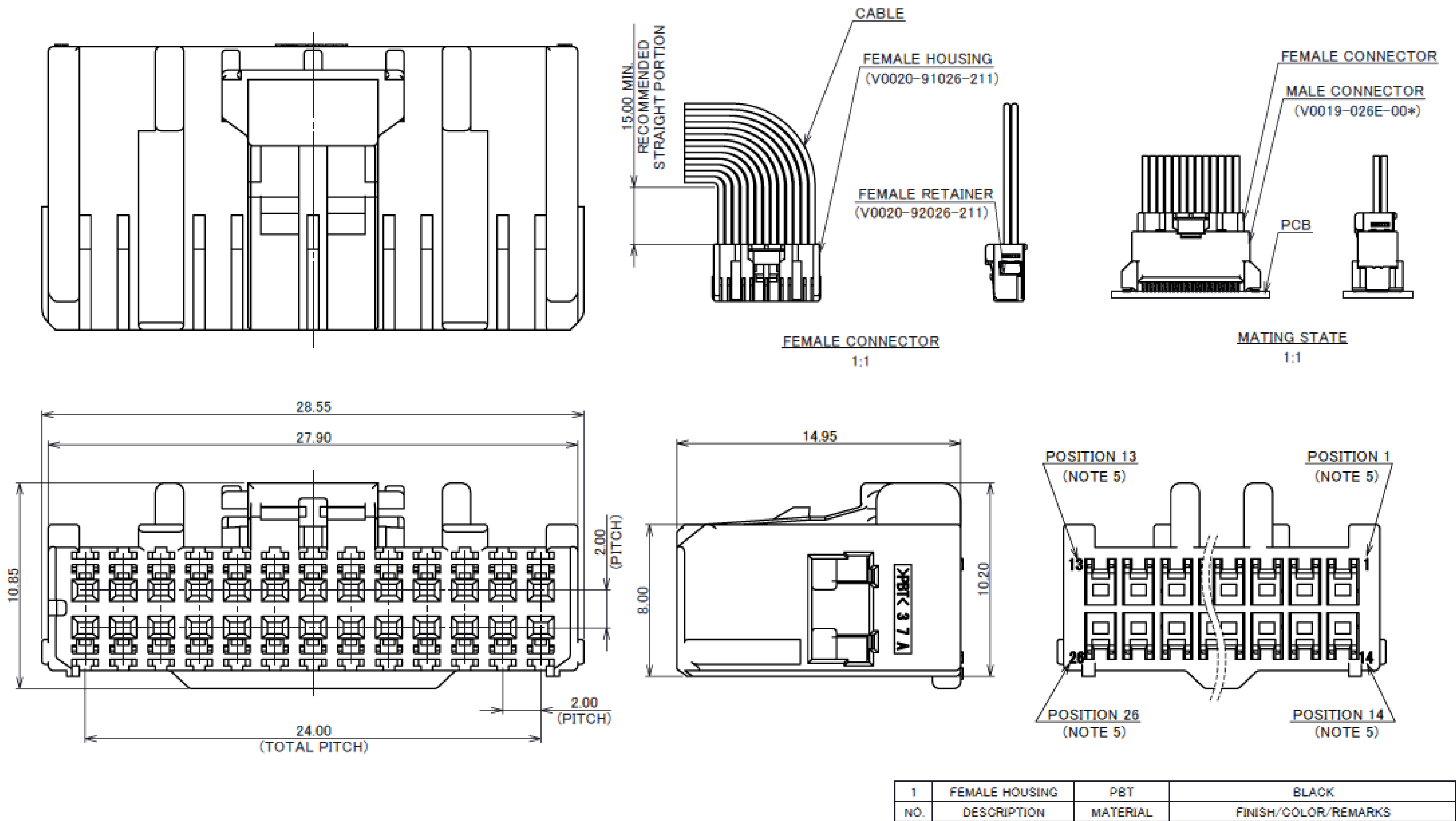
NOTES

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.

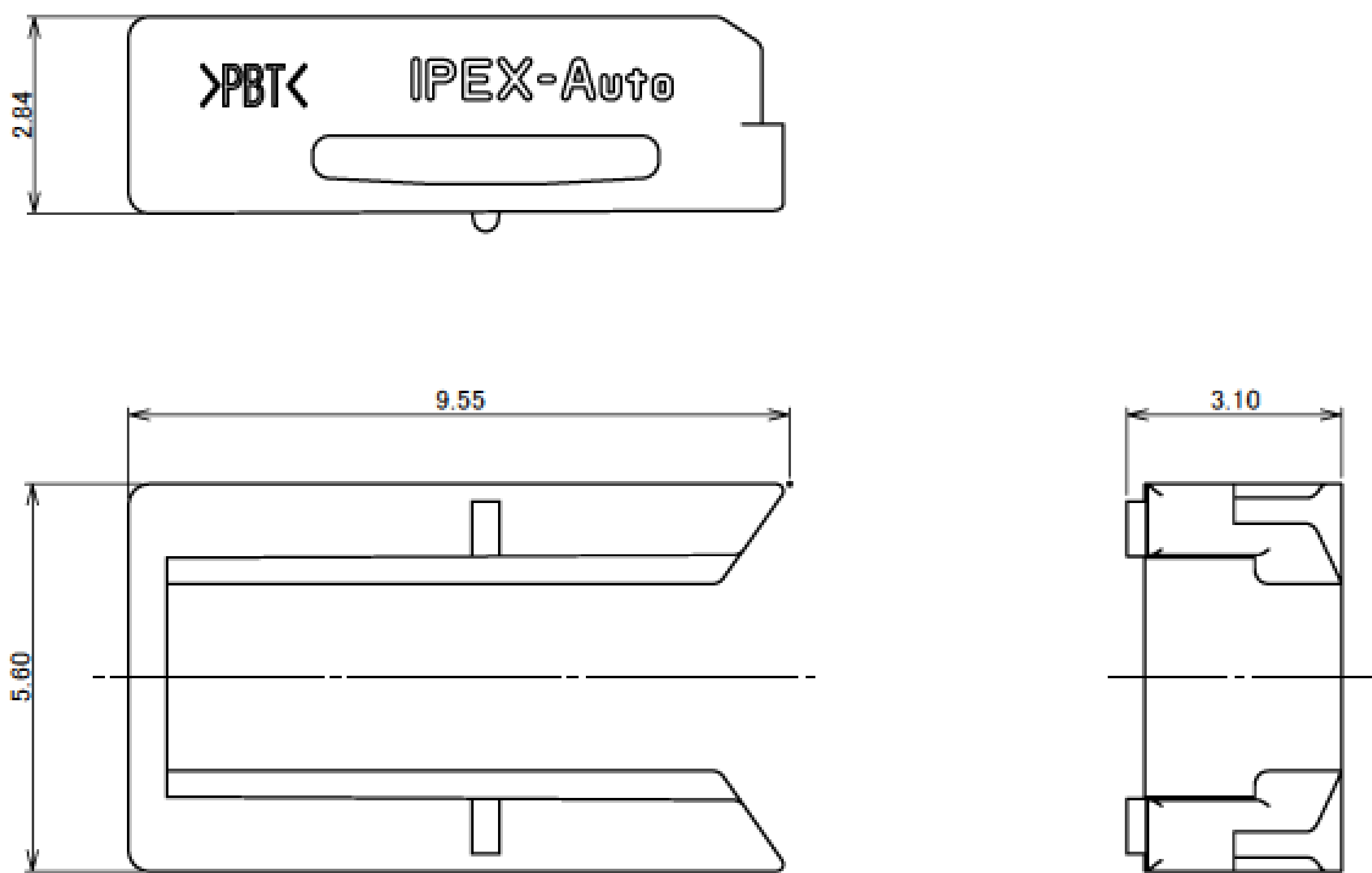
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]

5.POSITION NUMBERS ARE INDICATED.

Rev.0

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.

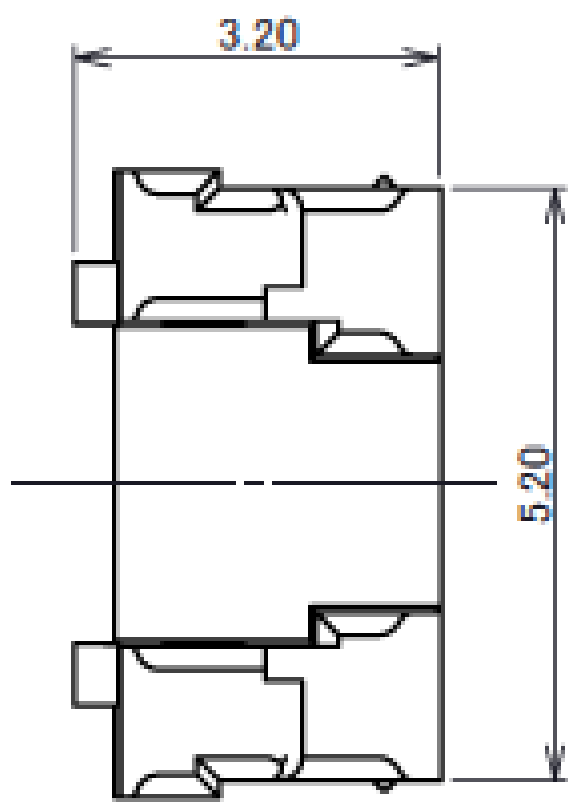
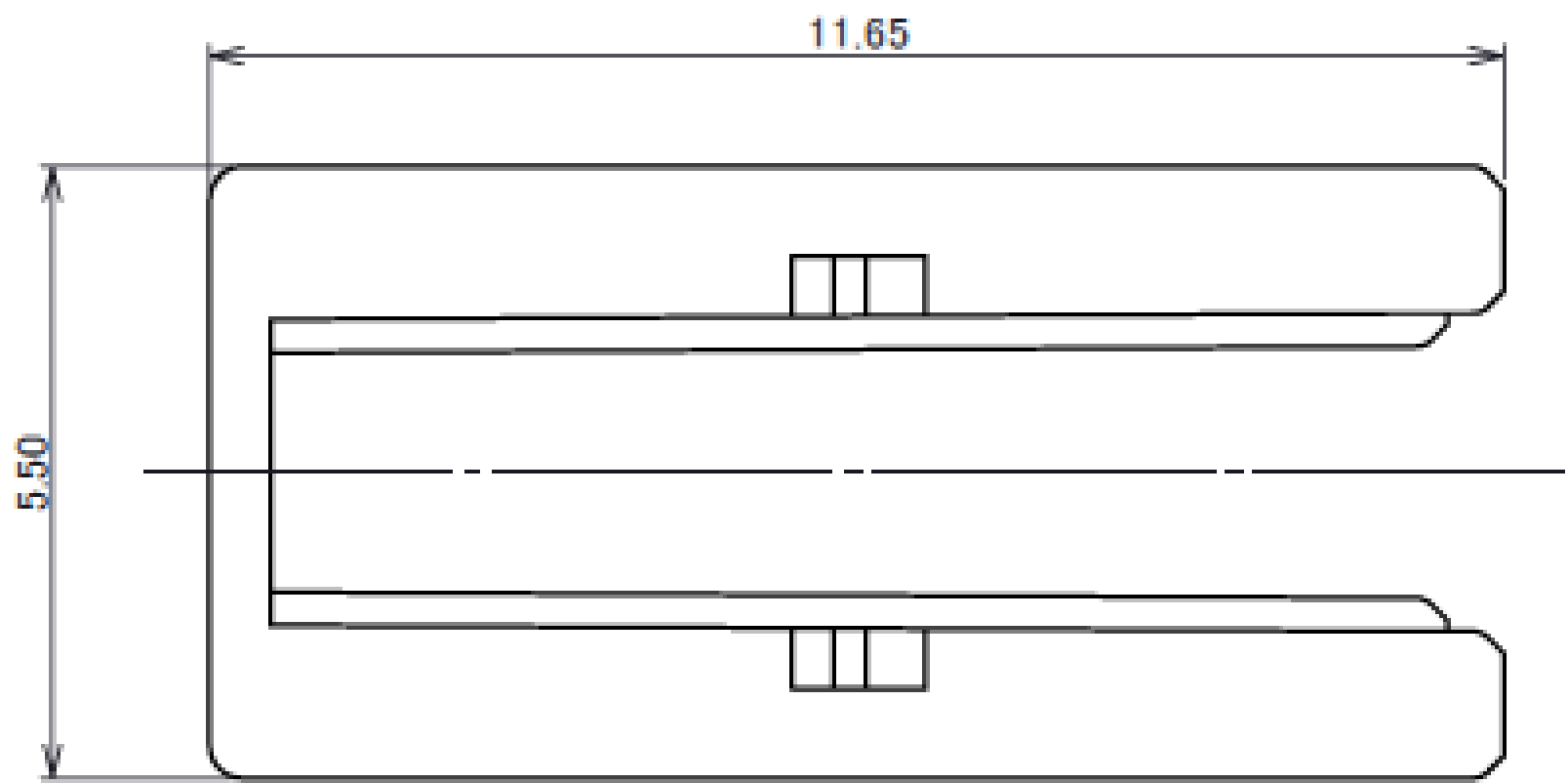
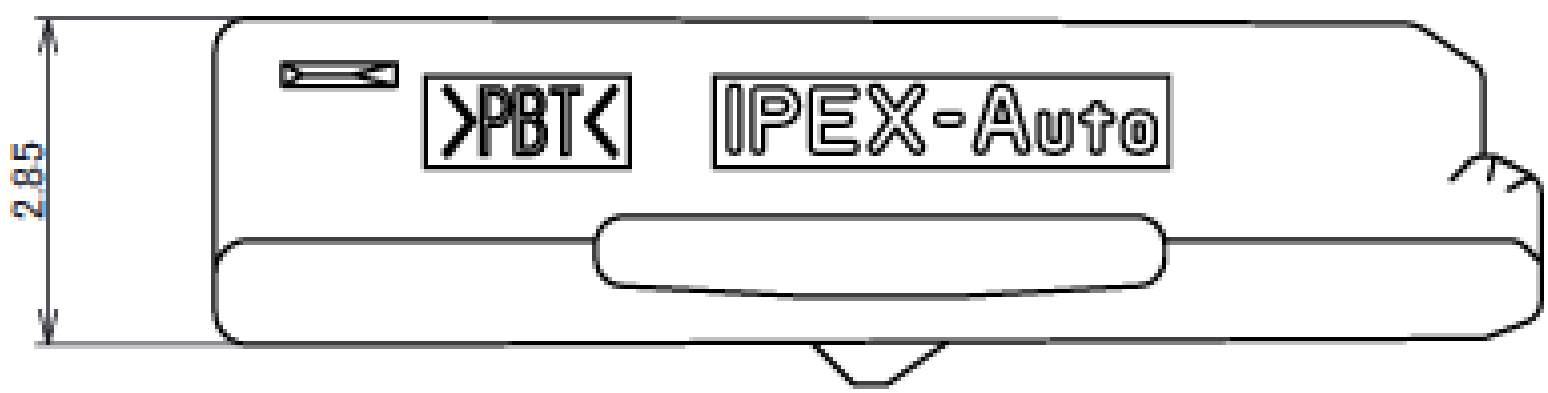
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]

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

Rev.0

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

PART NO.
V0020-92010-211



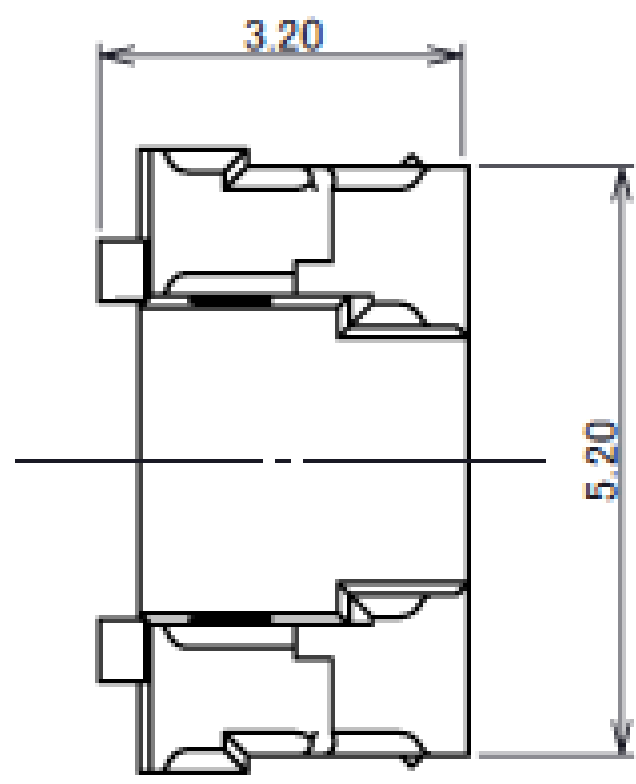
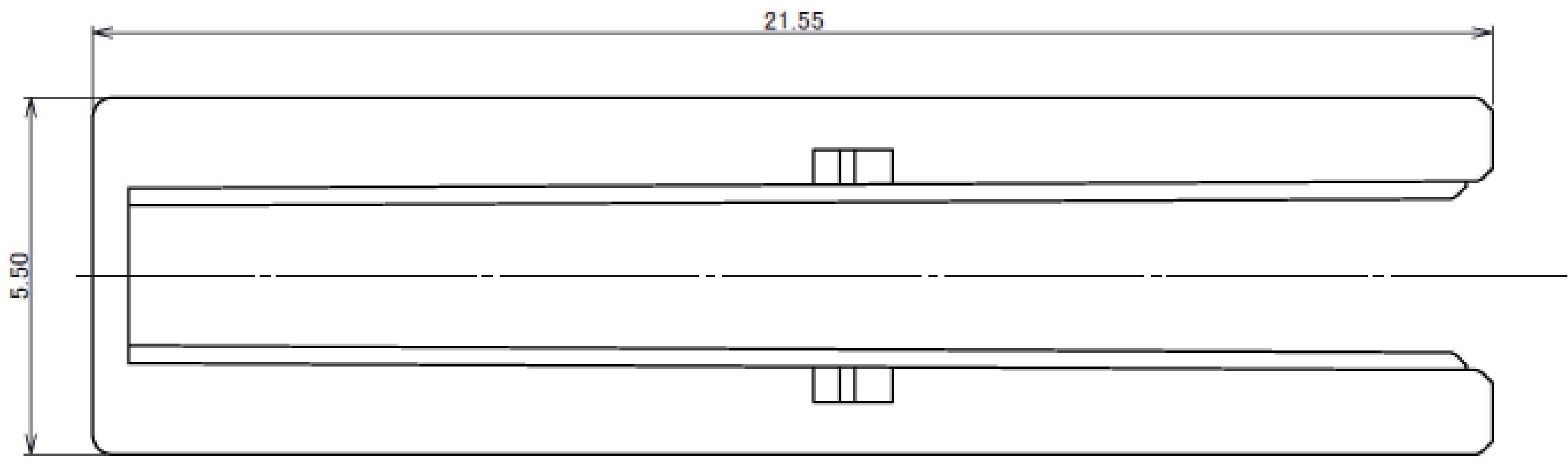
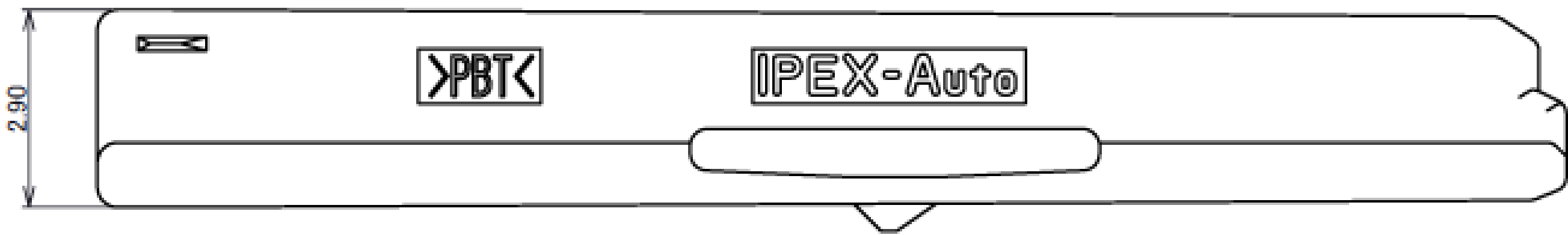
- NOTES
- 1.APPLICABLE PART NO.:
-FEMALE HOUSING-...V0020-91010-211
 - 2.MATERIAL: PBT
 - 3.COMPLY WITH ELV/RoHS.
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】

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

Rev.0

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

PART NO.
V0020-92020-211



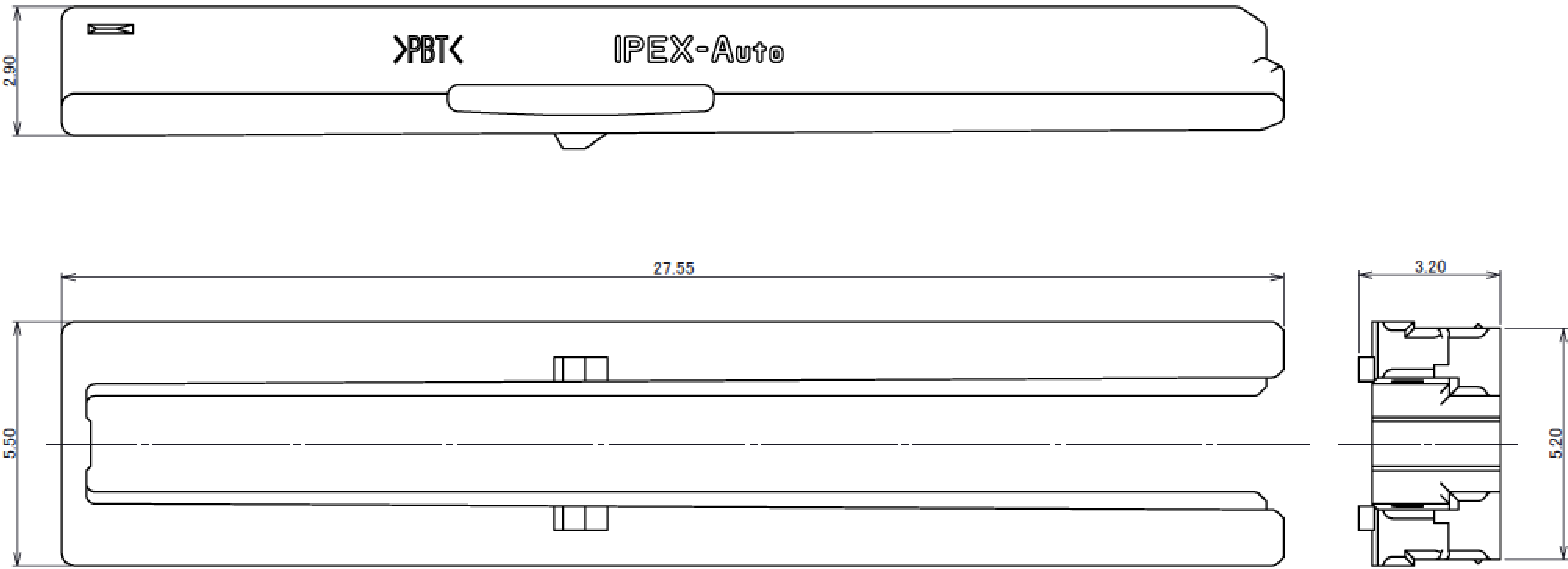
- NOTES
- 1.APPLICABLE PART NO.:
-FEMALE HOUSING-...V0020-91020-211
 - 2.MATERIAL: PBT
 - 3.COMPLY WITH ELV/RoHS
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL 【HDM-0020】

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

Rev.0

ISH® (Vertical Type) FEMALE RETAINER (26P):

PART NO.
V0020-92028-211



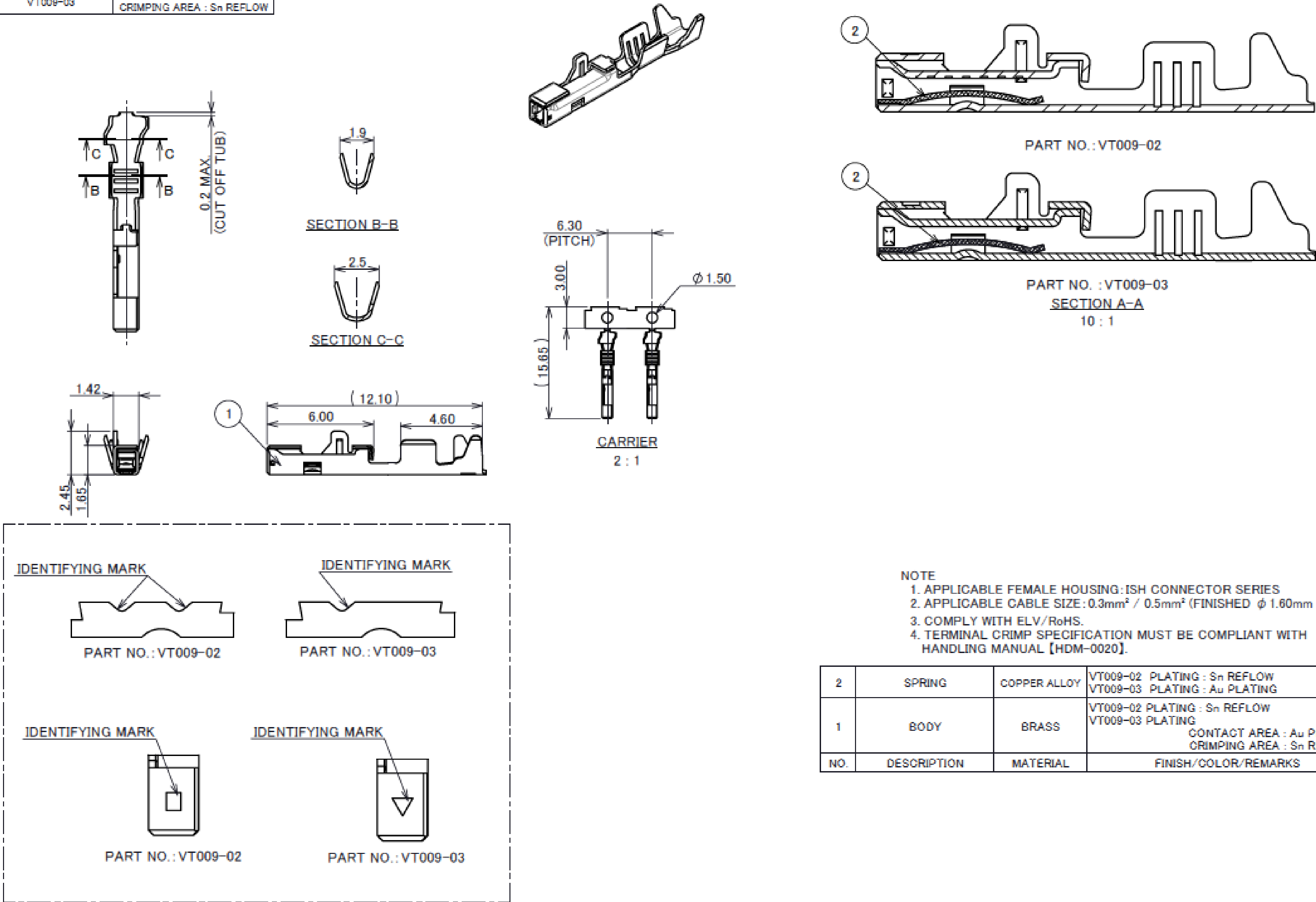
- NOTES
- 1.APPLICABLE PART NO.:
-FEMALE HOUSING---V0020-91026-211
 - 2.MATERIAL:PBT
 - 3.COMPLY WITH ELV/RoHS
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]

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

Rev.0

ISH® (Vertical Type) TERMINAL:

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



Rev.0

Custom Connectors Available

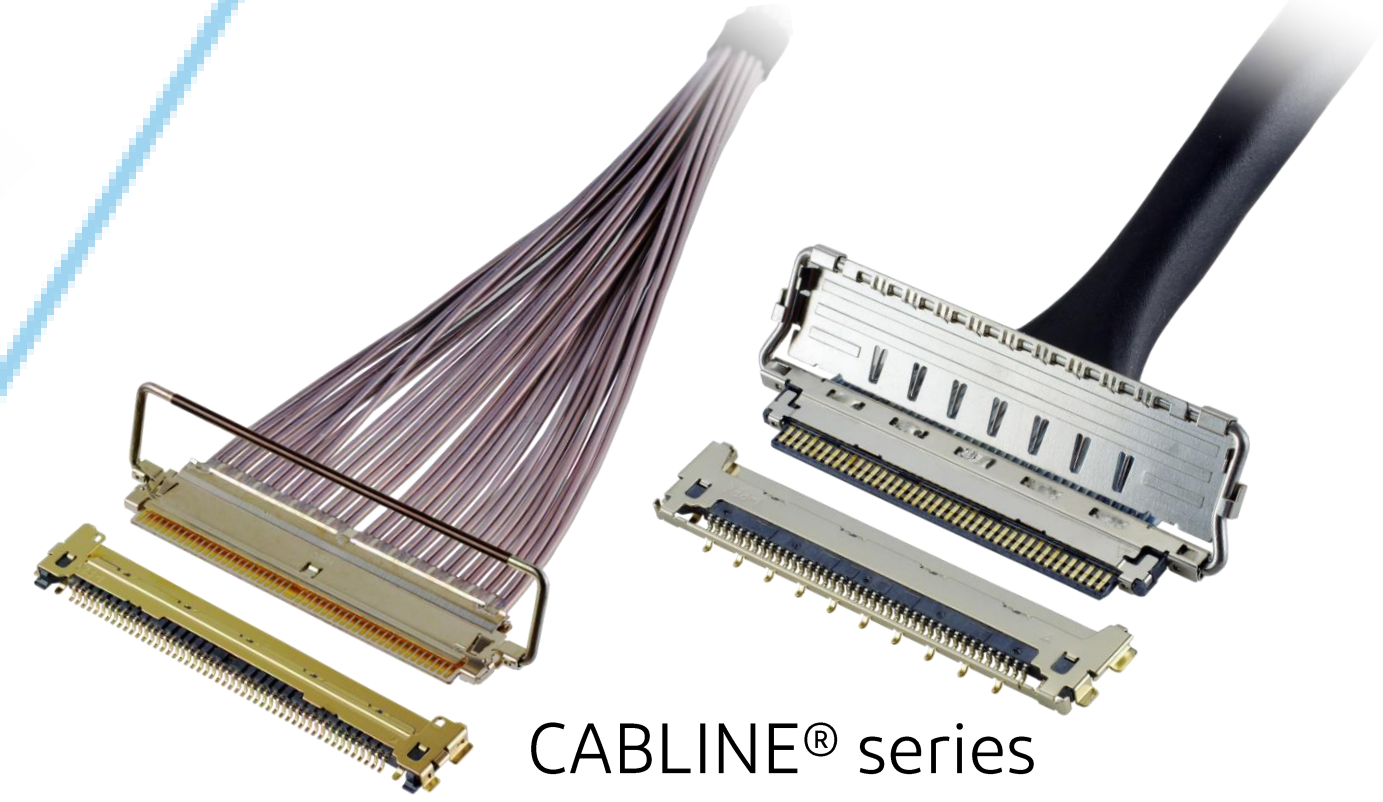


RF
Connectors

MHF® series



CABLINE® series
Micro-coaxial/Twinax
Connectors

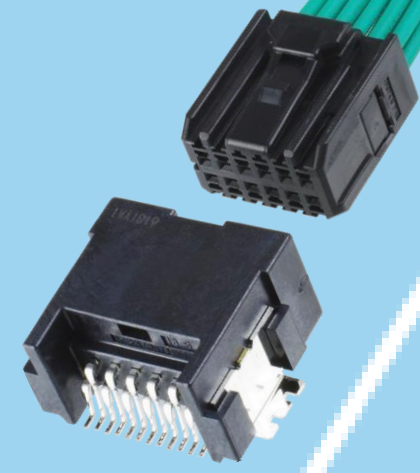


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



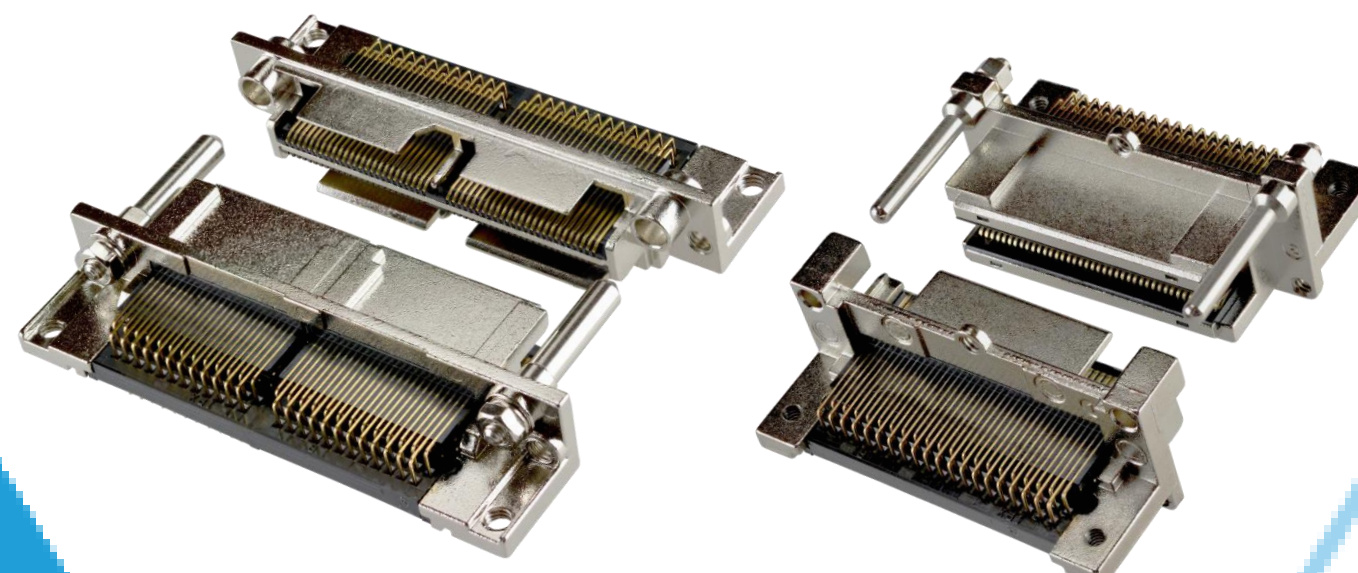
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series EVAFLEX® series



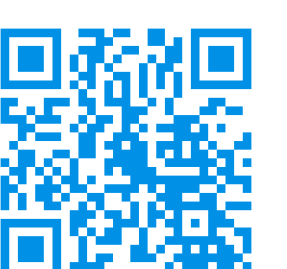
Inquiry



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Contact your sales representative
or more detailed information.

www.i-pex.com



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