

ISH[®] (Vertical Type)

耐熱, 耐振, 垂直款SMT連接器

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:

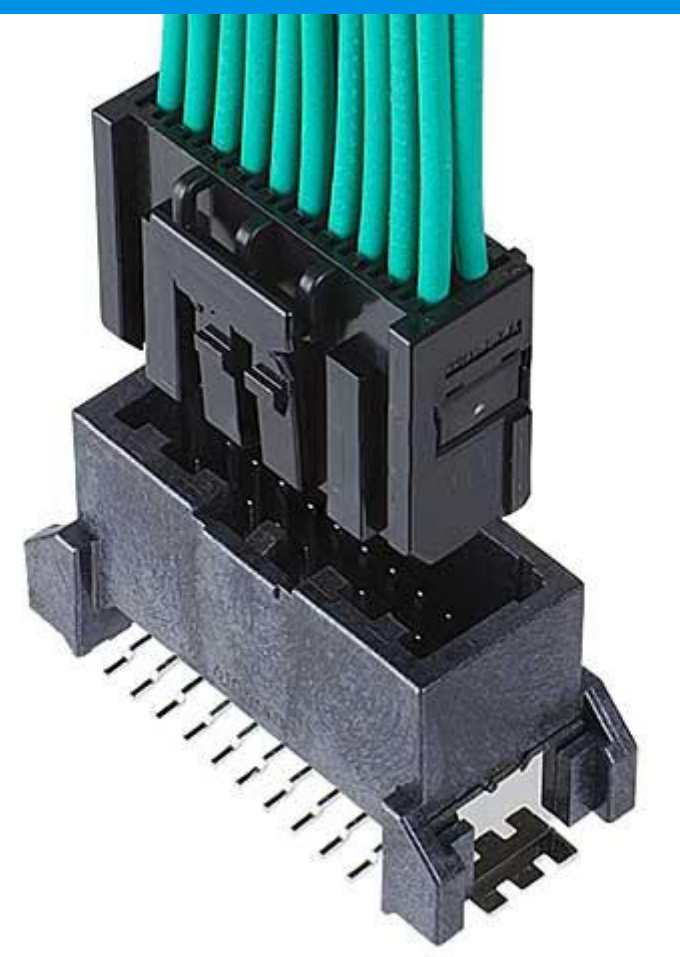
AWG#22,#20

*Insulation Diameter 1.6 mm max.

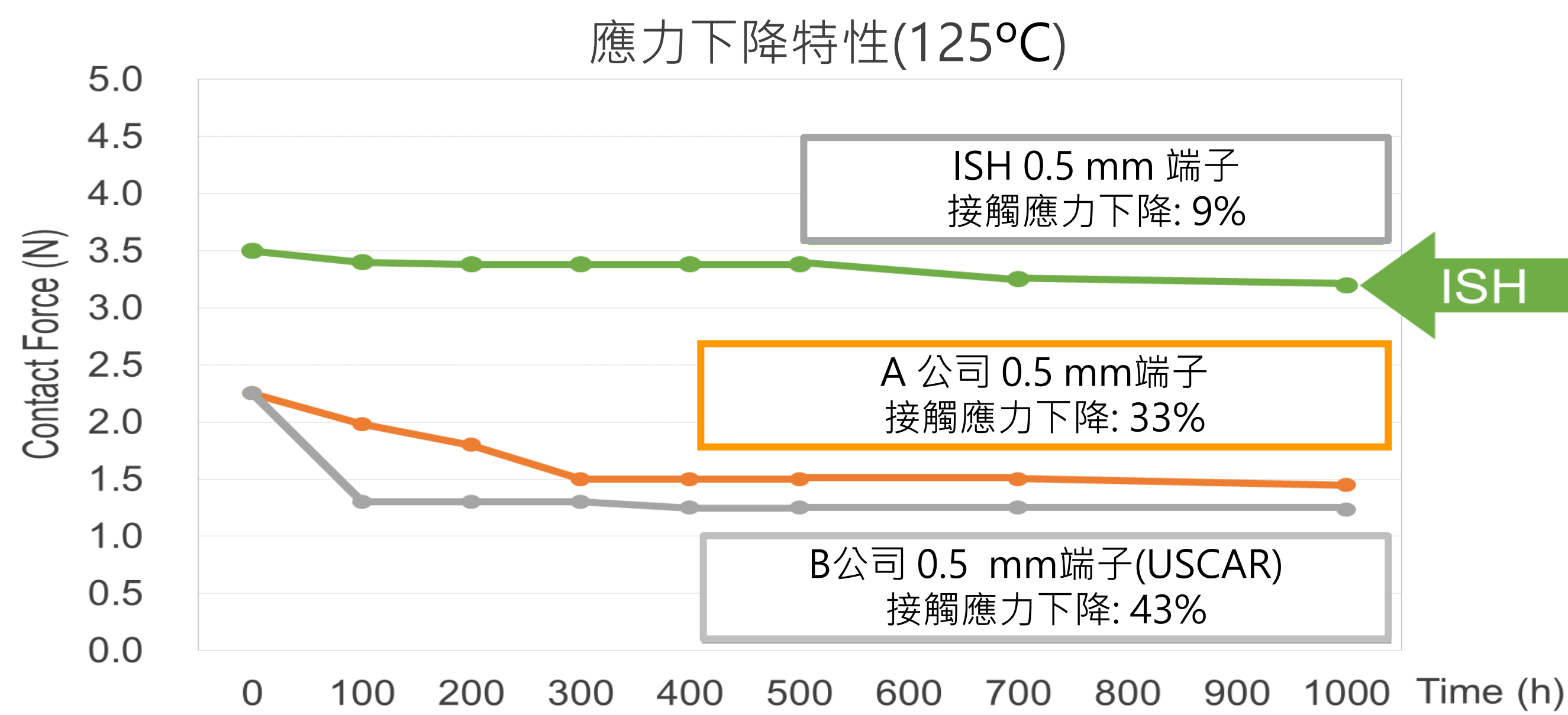
Applicable Standards (Reference Only):

LV214 : 8P (optional)

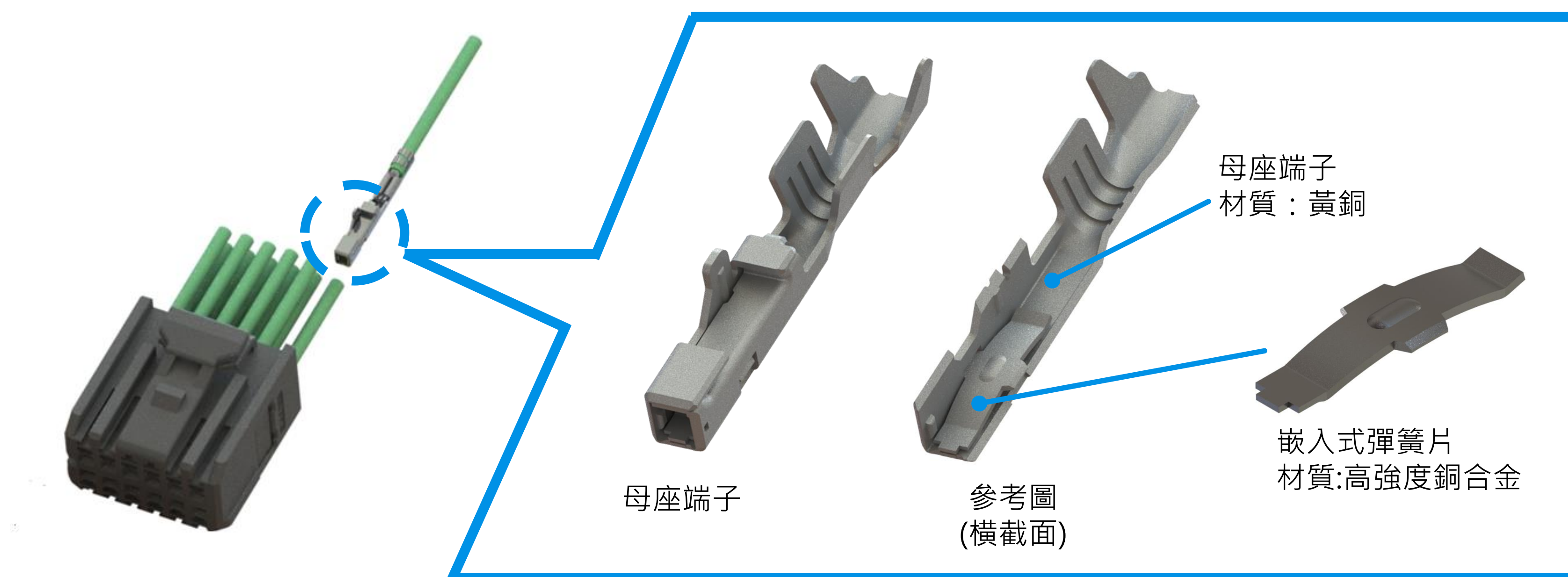
*如您需要瞭解未列出或不在範圍內的Pin數，請諮詢我們
*可提供 ISH V 8P



► 高耐熱性和抗振動性, 適用於高接觸可靠性應用



► 獨特的嵌入式彈簧接線端子, 提供長期穩定的電氣連接



► 符合 LV214 標準, 專為汽車和工業級應用而設計



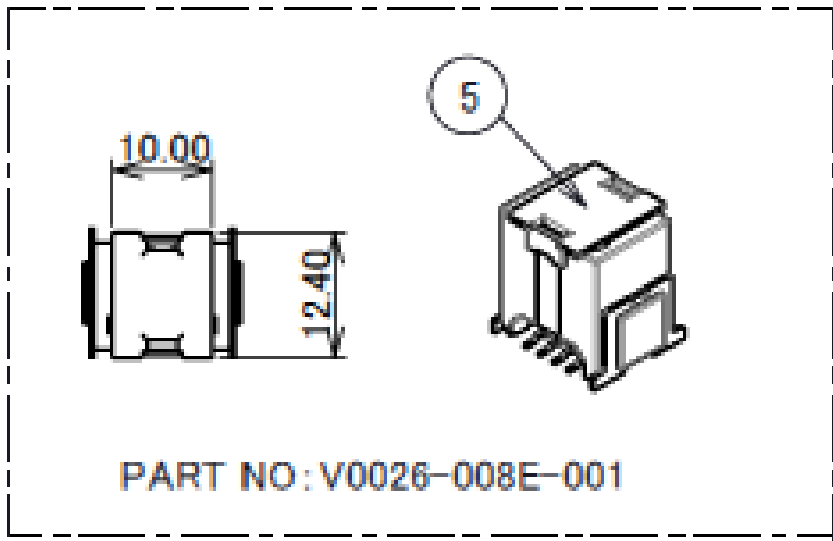
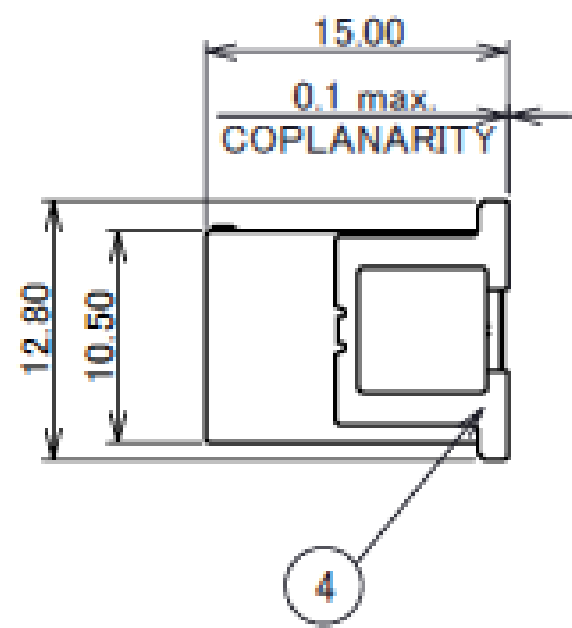
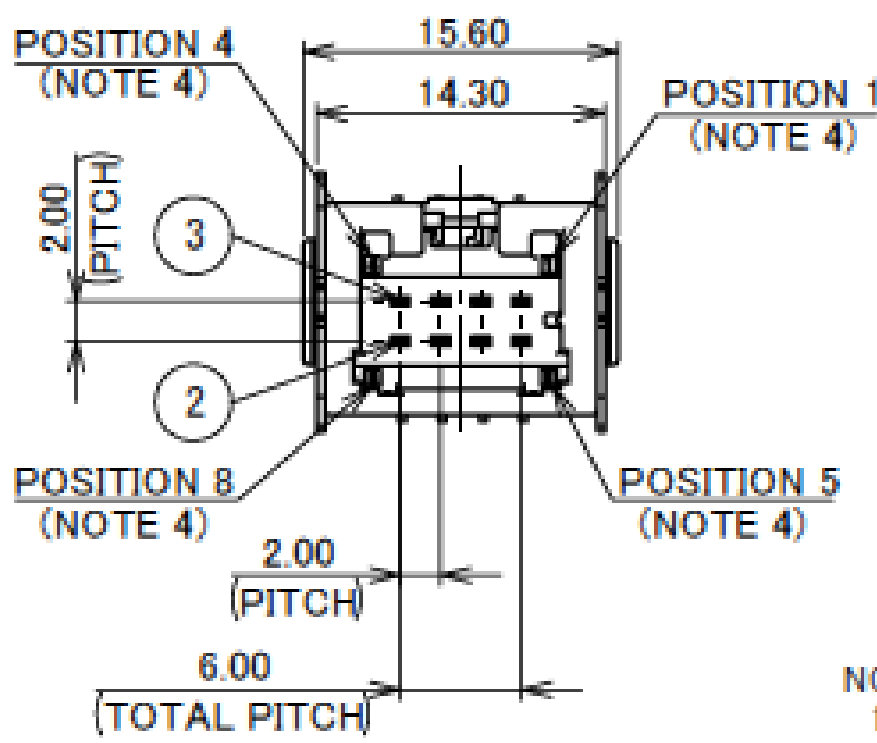
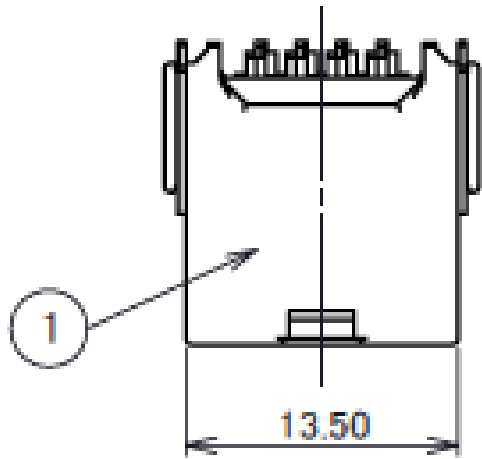
- 汽車大燈控制單元
- 逆變器和 DC/DC 轉換器
- 電池控制模組
- 後視鏡攝像模組
- 車載娛樂設施
- 機械設備
- 工廠自動化設備等

適用於高溫應用

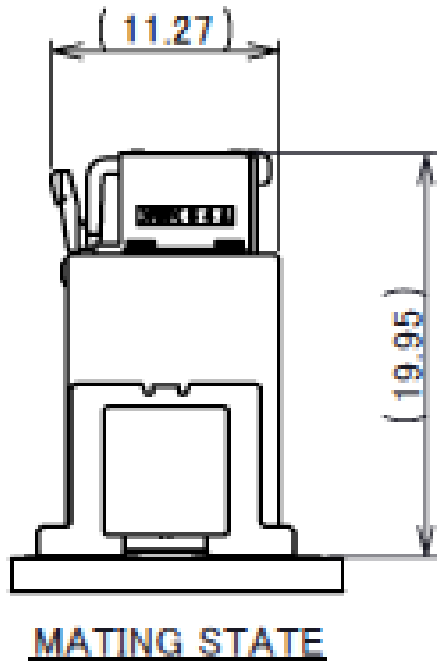
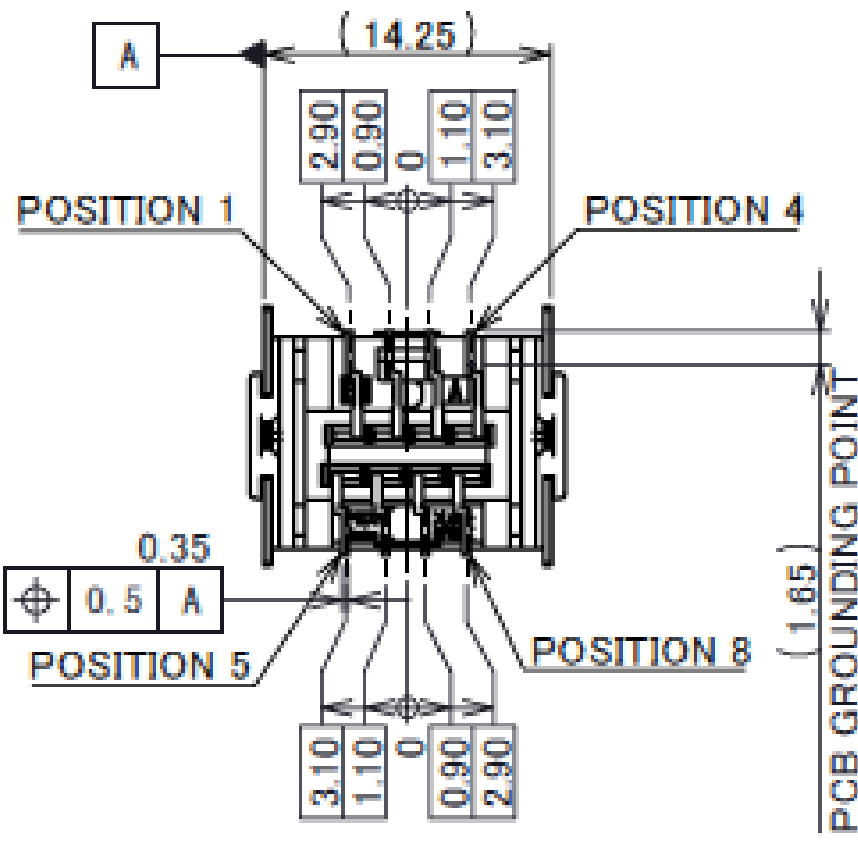
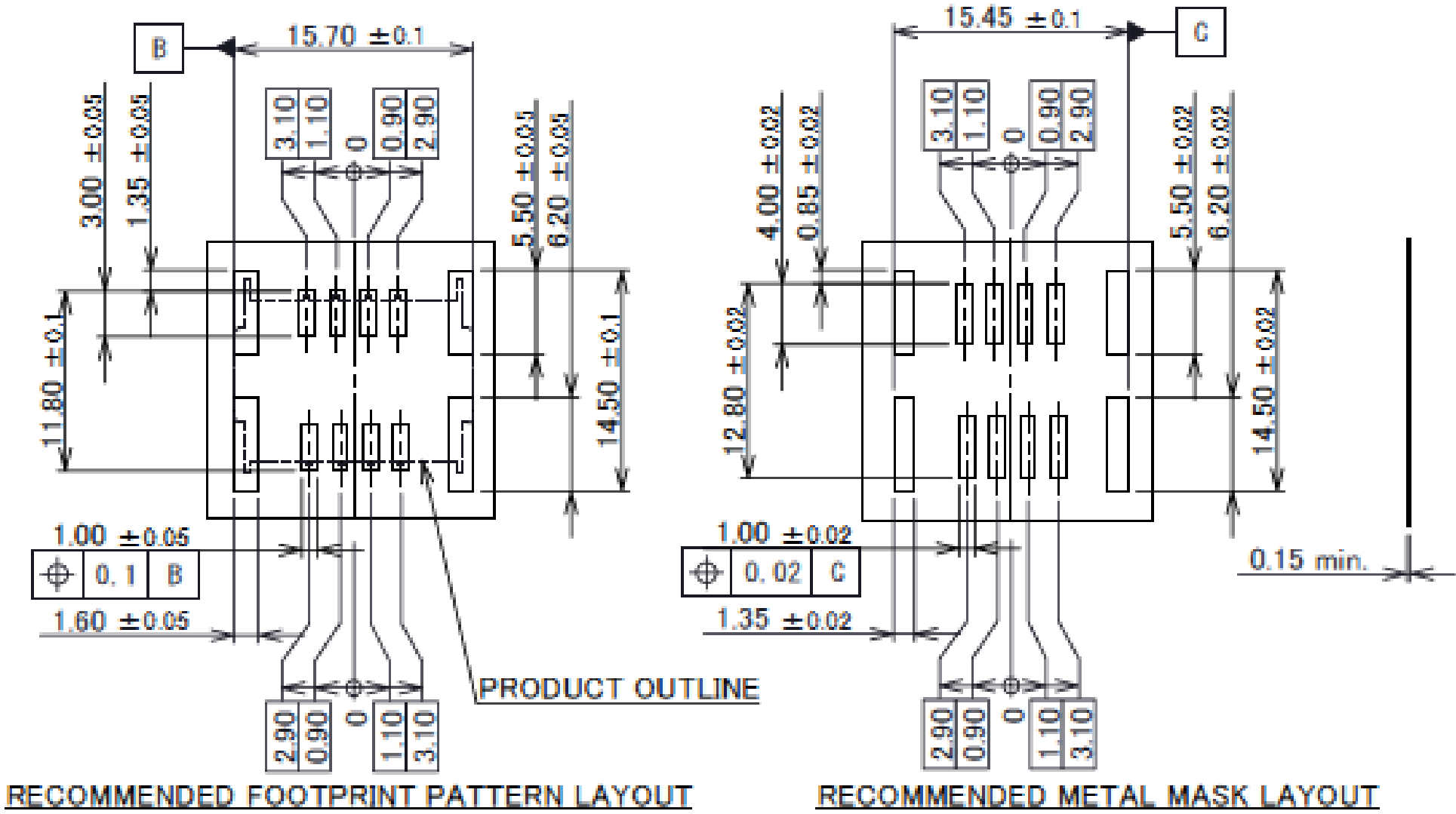
Component Parts Details

ISH® (Vertical Type) MALE (8P) ※ISHV:

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



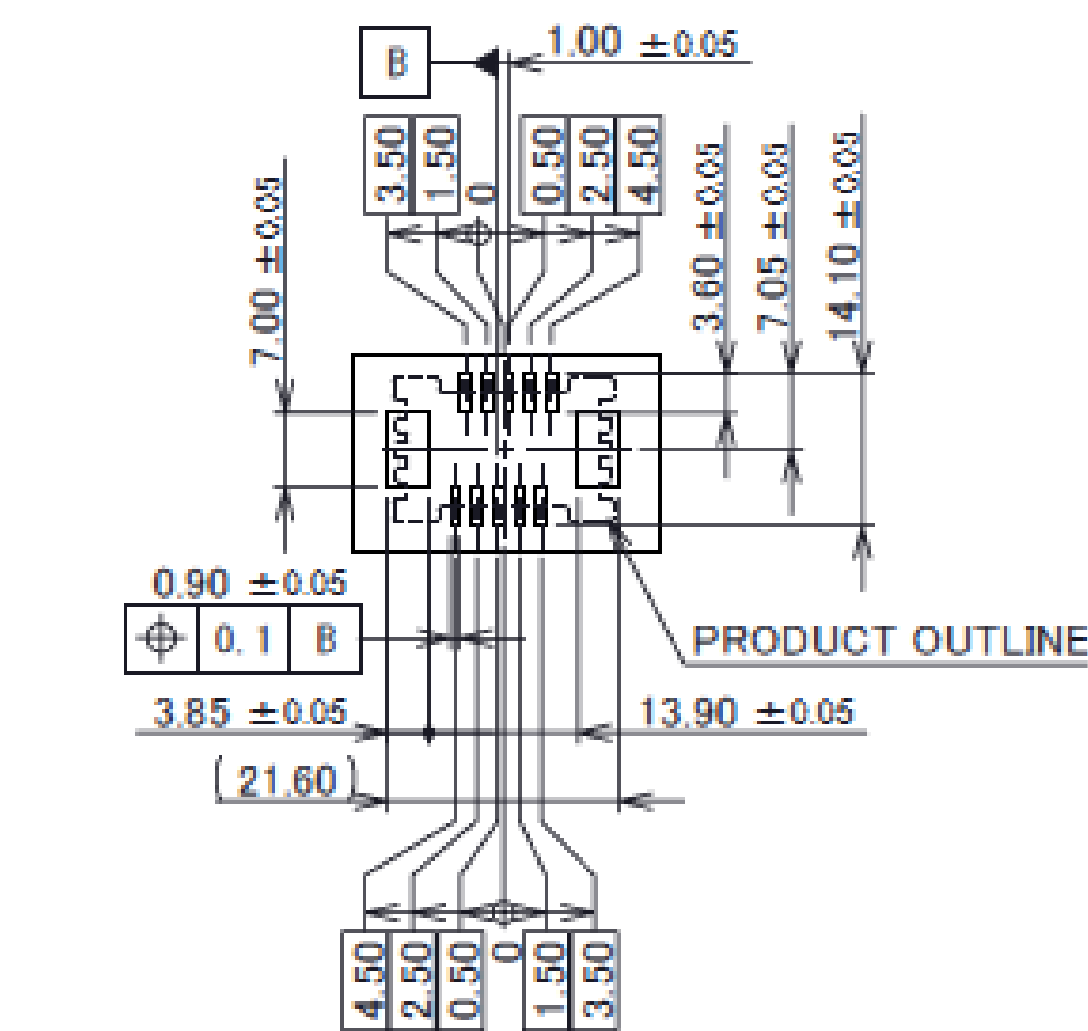
- NOTES
1. APPLICABLE PART NO.:
 - FEMALE HOUSING...V0027-91008-211
 - FEMALE RETAINER...V0116-92008-01
 - FEMALE TERMINAL...VT009-02
 2. COMPLY WITH ELV/RoHS
 3. USE METAL MASK WHICH HAS A THICKNESS OF 0.15mm MIN. WHEN THE MALE CONNECTOR IS MOUNTED ON THE PCB.
 4. POSITION NUMBERS ARE INDICATED.



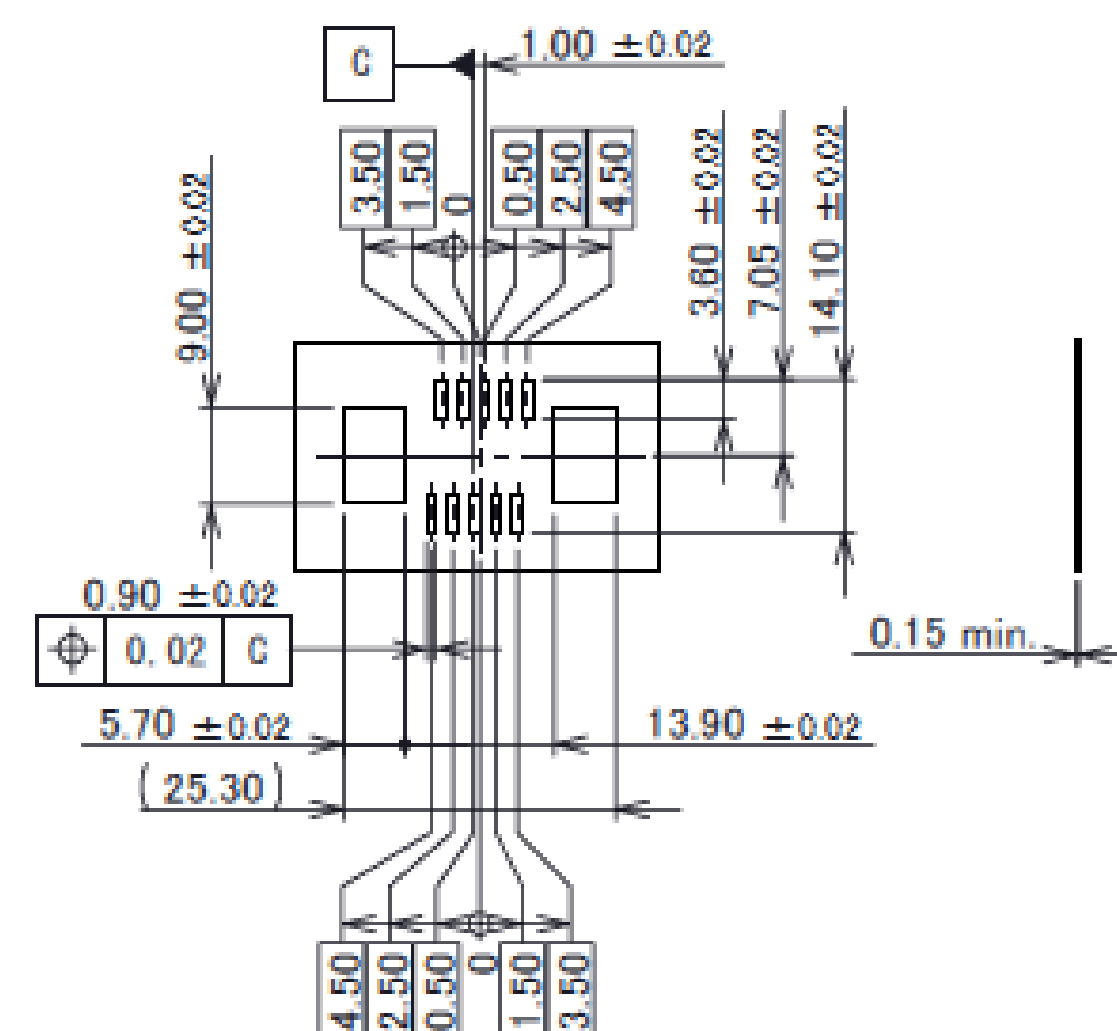
Nº	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS
5	VACUUM GAP	GLASS-FILLED LOP	NATURAL
4	HOLD DOWN	BRASS	S _n REFLOW
3	MALE TERMINAL-2	BRASS	S _n REFLOW
2	MALE TERMINAL-1	BRASS	S _n REFLOW
1	MALE HOUSING	GLASS-FILLED LOP	BLACK/UL94V-0

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

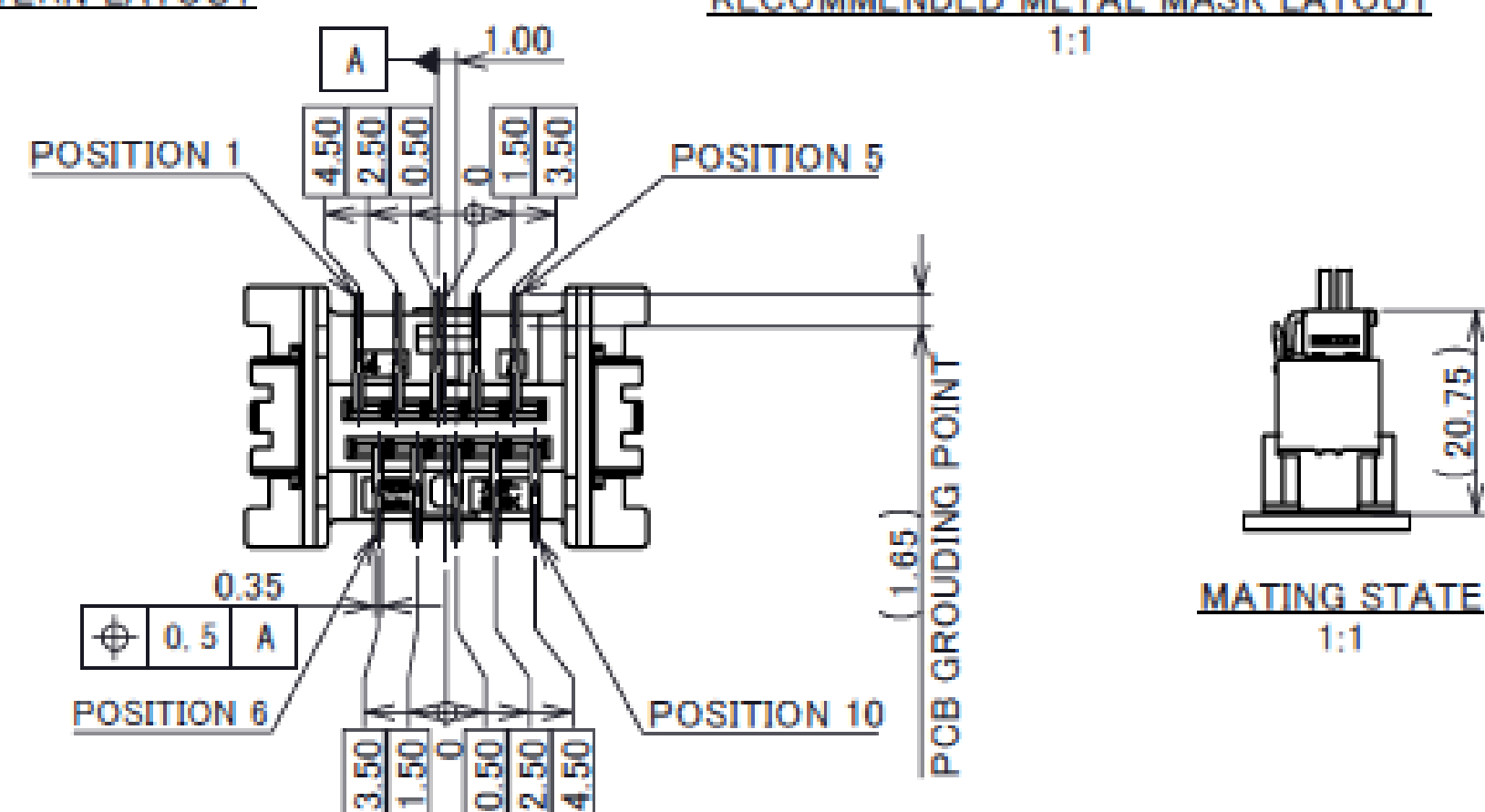
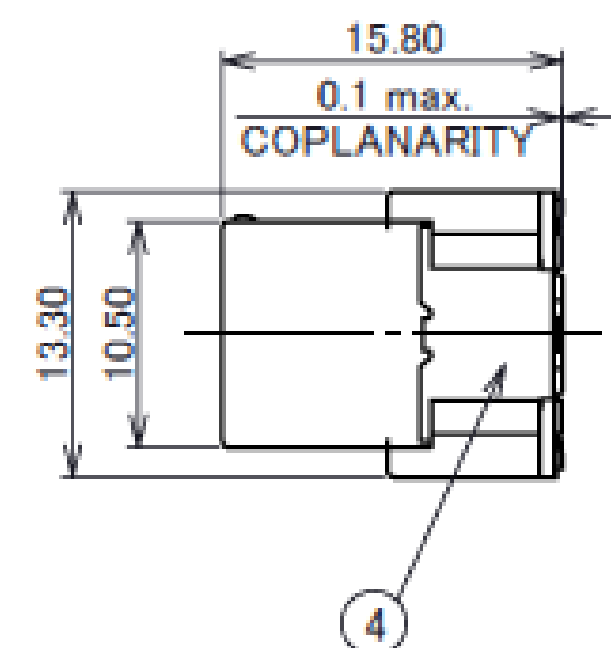
◆MARK MEANS NOT AVAILABLE.



RECOMMENDED FOOTPRINT PATTERN LAYOUT
1:1



RECOMMENDED METAL MASK LAYOUT

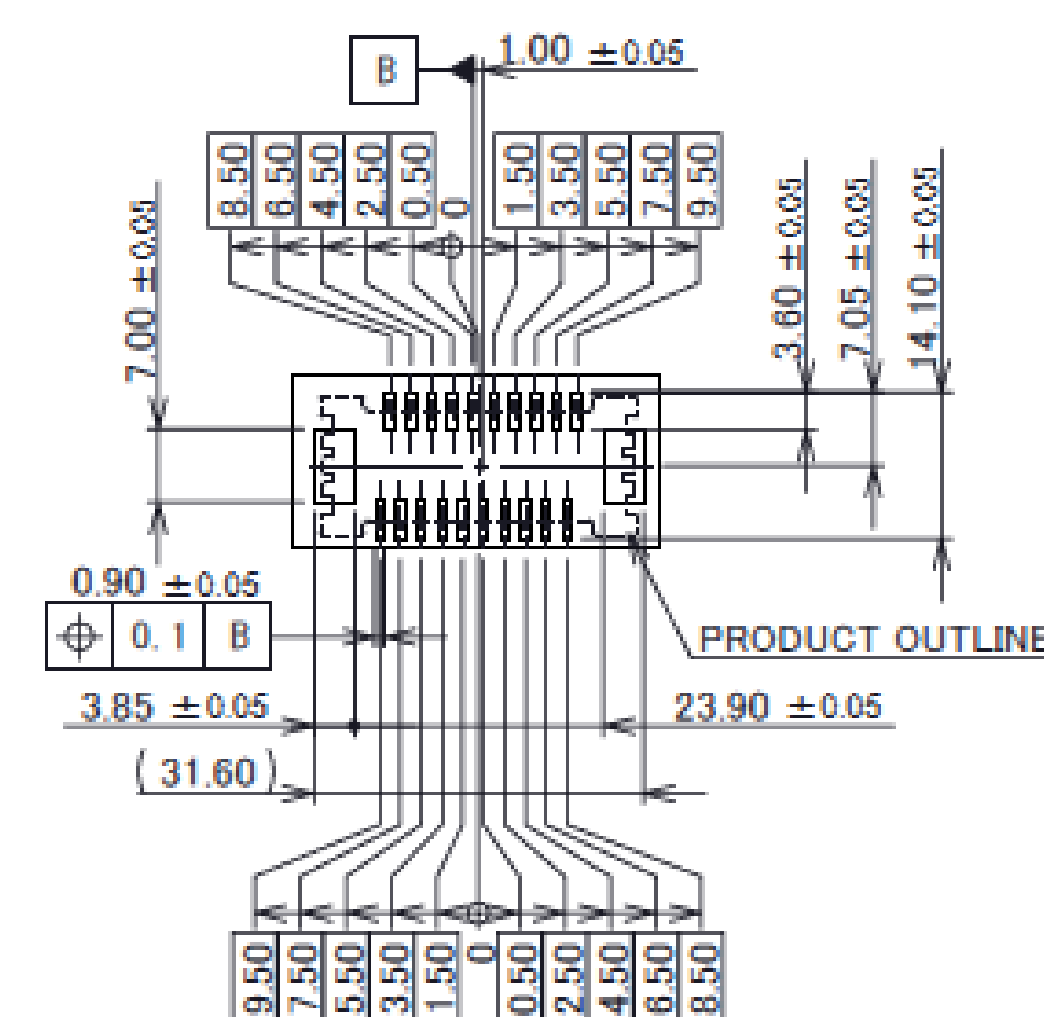


MATING STATE
1:1

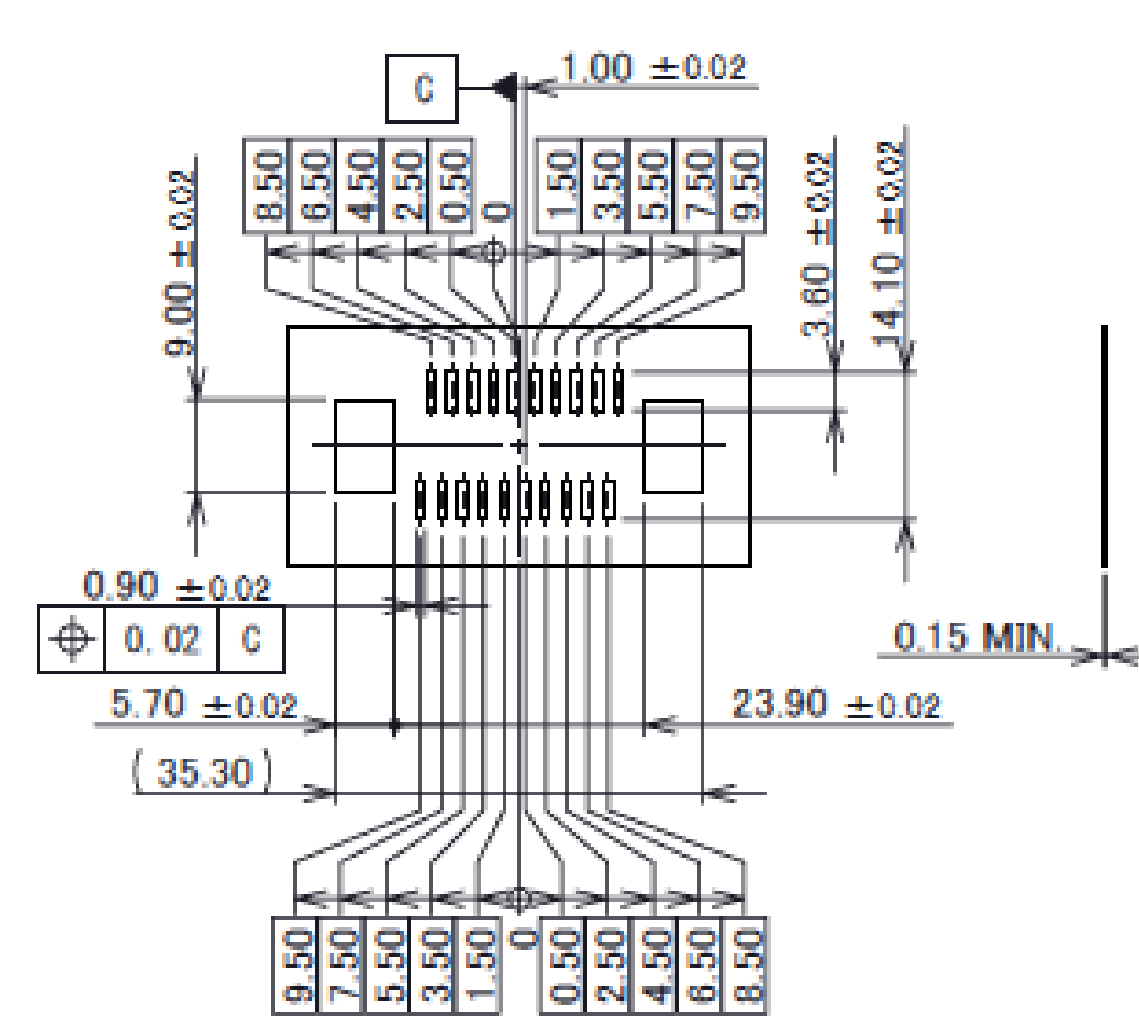
- | | | | |
|-----|-----------------|------------------|----------------------|
| 5 | VACUUM CAP | GLASS-FILLED LCP | NATURAL |
| 4 | HOLD DOWN | BRASS | Sn REFLOW |
| 3 | MALE TERMINAL-2 | BRASS | Sn REFLOW |
| 2 | MALE TERMINAL-1 | BRASS | Sn REFLOW |
| 1 | MALE HOUSING | GLASS-FILLED LCP | BLACK /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



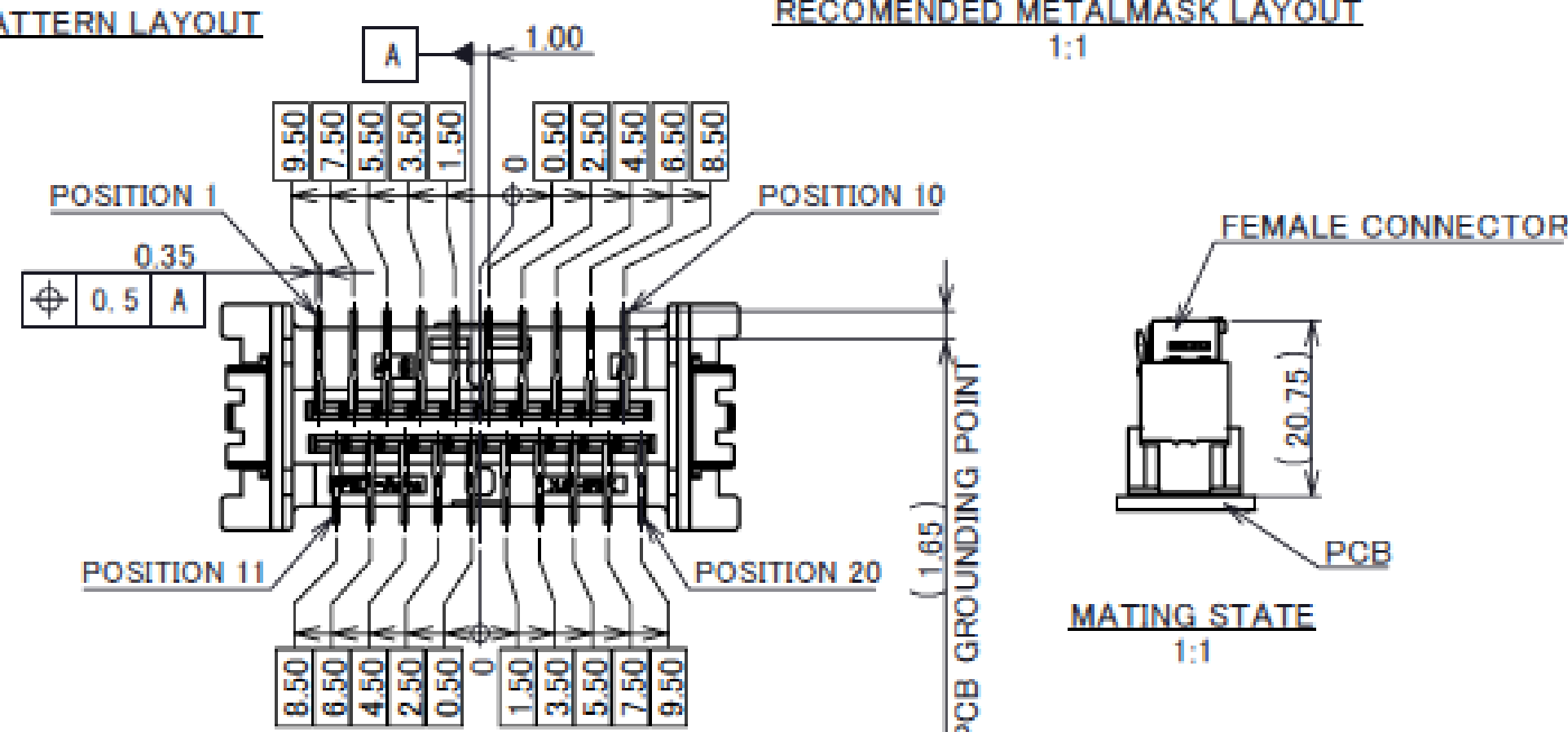
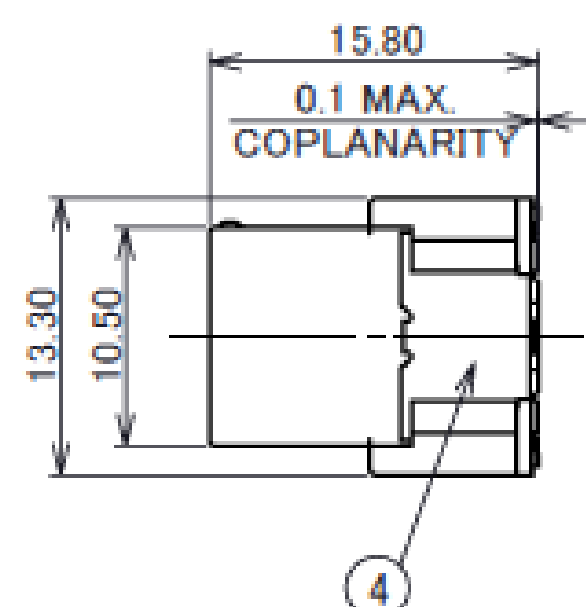
PART NO.
V0019-020E-001
V0019-020E-002



RECOMENDED FOOTPRINT PATTERN LAYOUT
1:1



RECOMENDED METALMASK LAYOUT



MATING STATE
1:1

- | | | | |
|-----|-----------------|------------------|-----------------------|
| 5 | VACUUM CAP | GLASS-FILLED LCP | 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 LCP | BLACK/UL94V-0 |
| NO. | DESCRIPTION | MATERIAL | FINISH/COLOR/REMARKS |

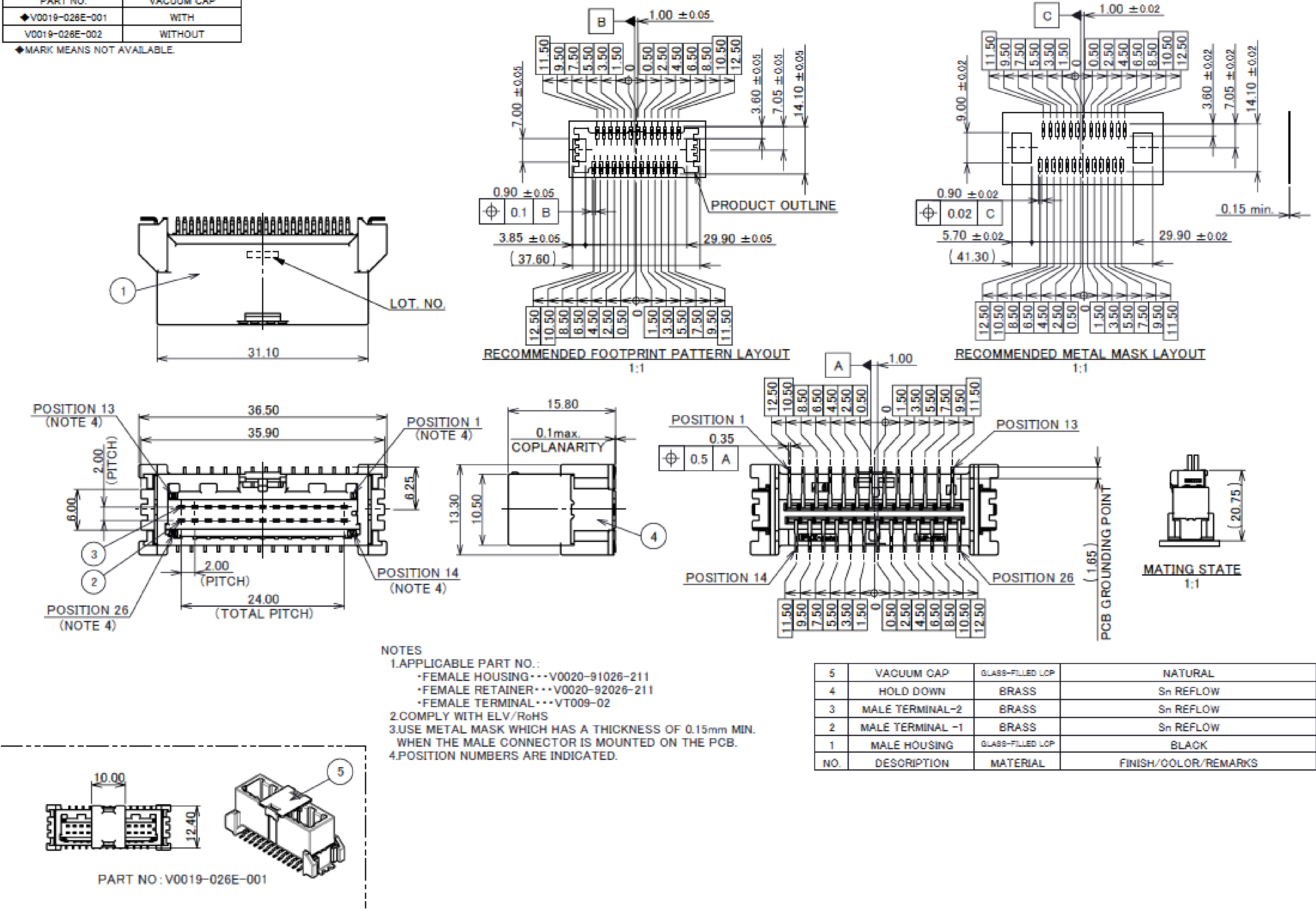


Contact your sales representative for more detailed information. www.i-pex.com

ISH® (Vertical Type) MALE (26P):

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

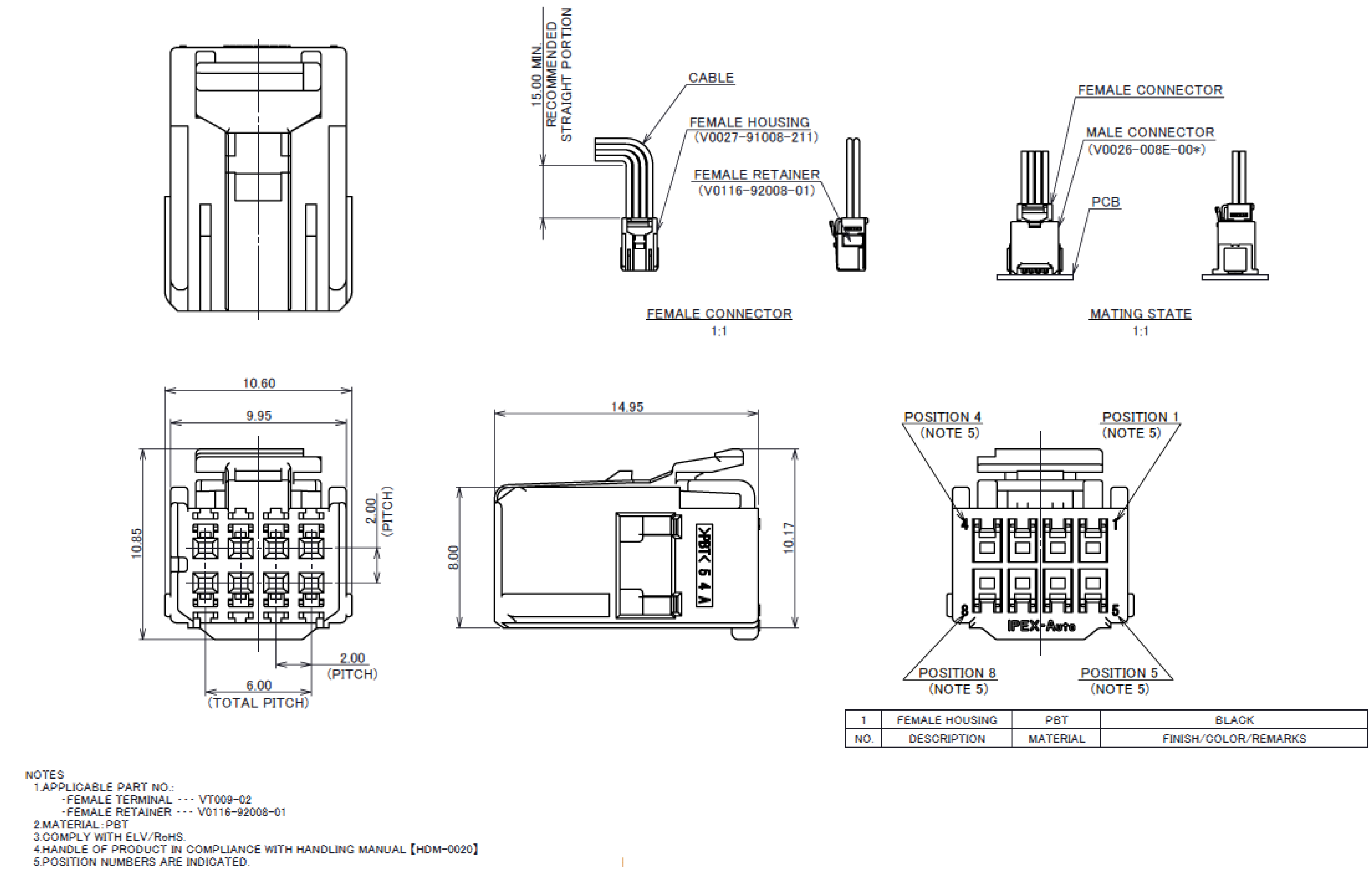
◆MARK MEANS NOT AVAILABLE.



Rev.0

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

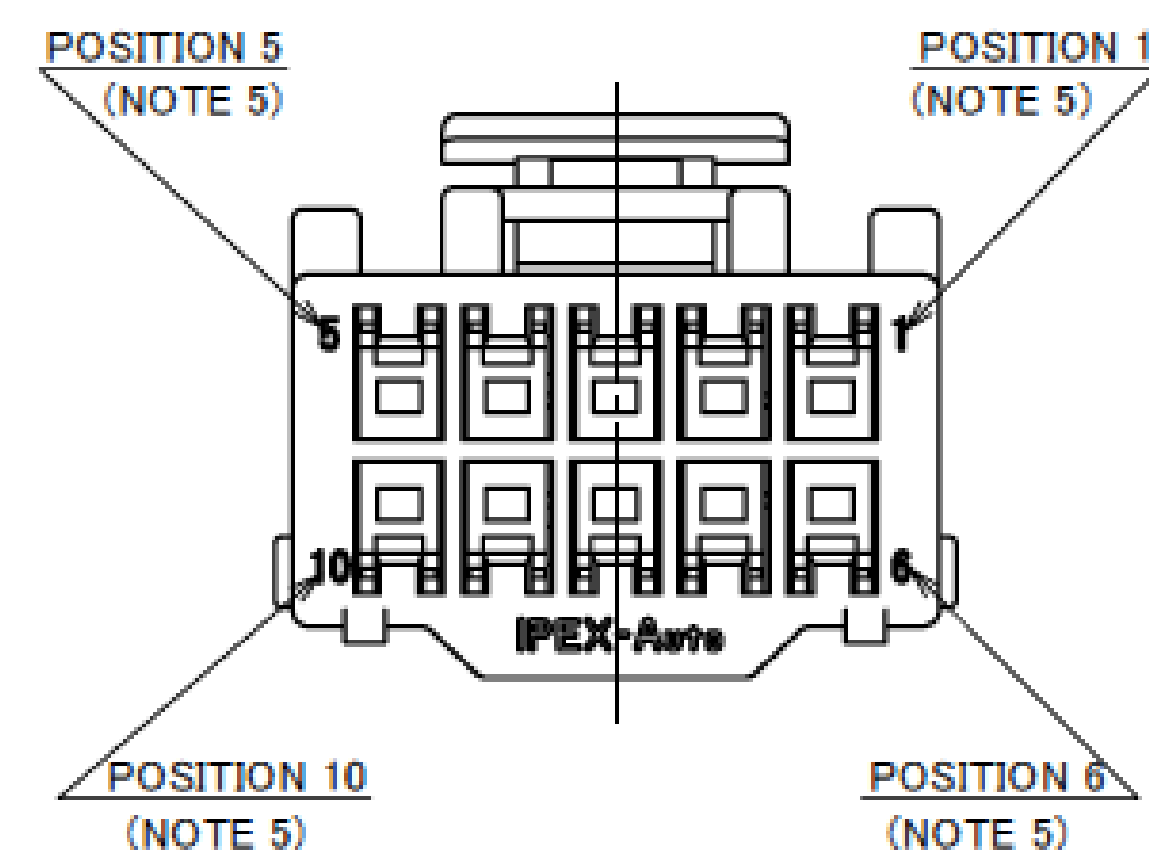
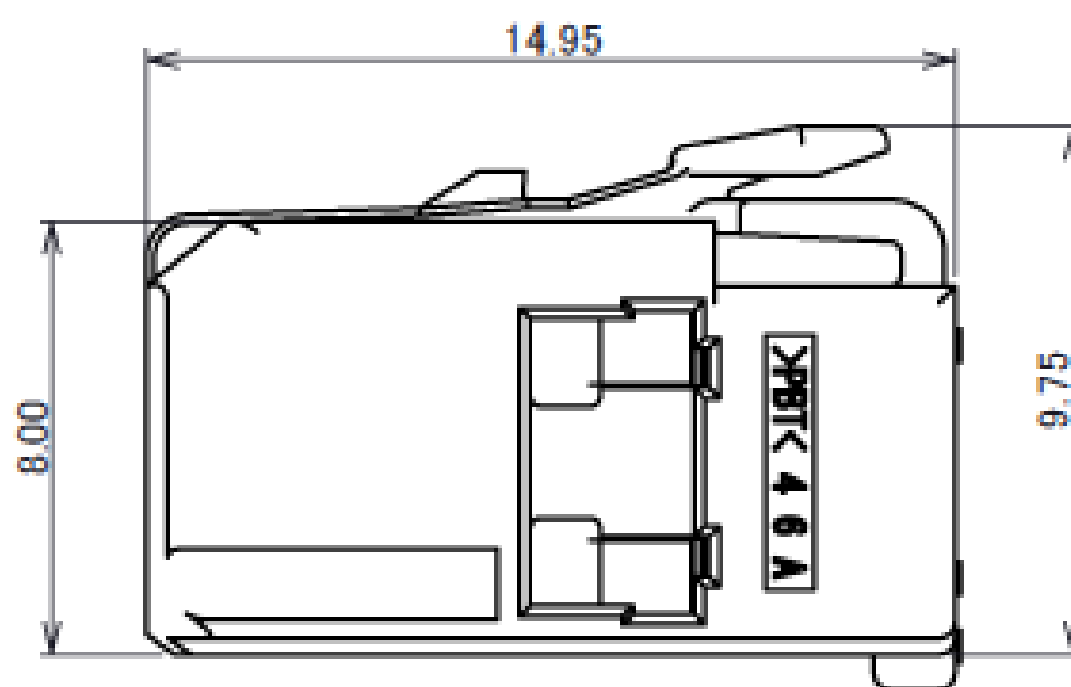
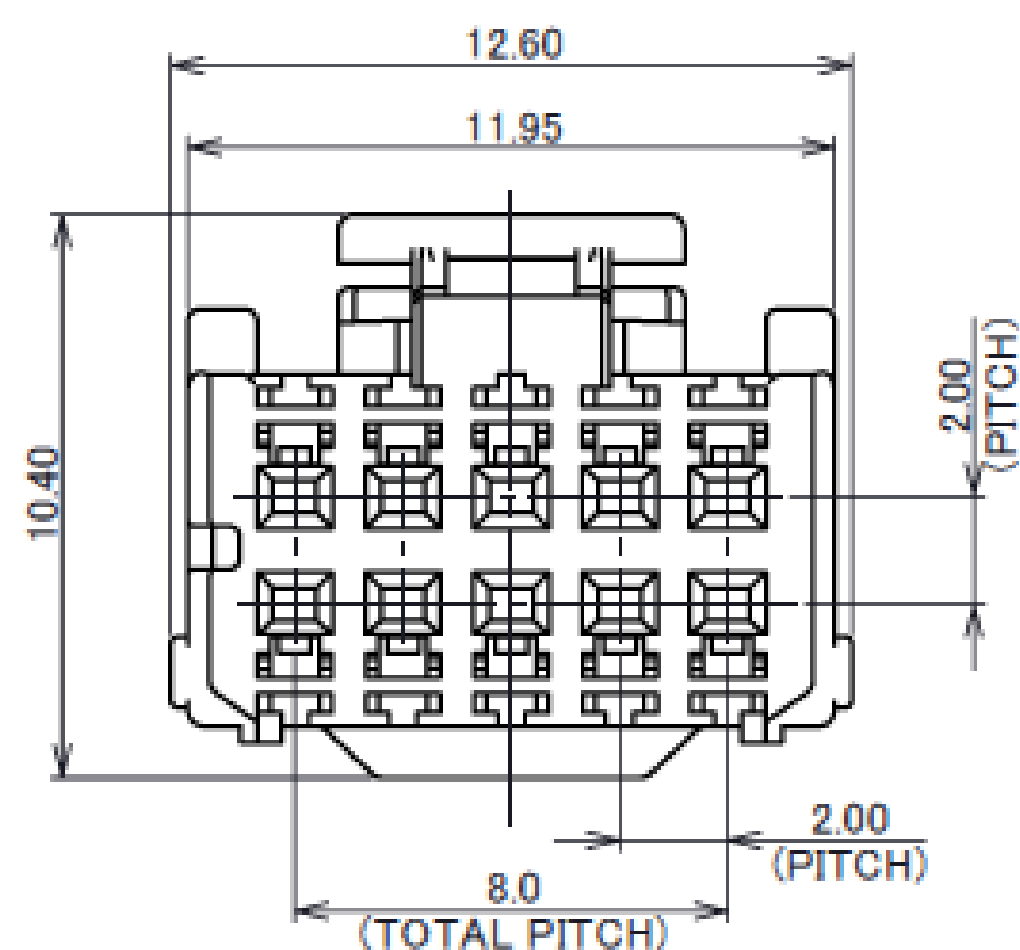
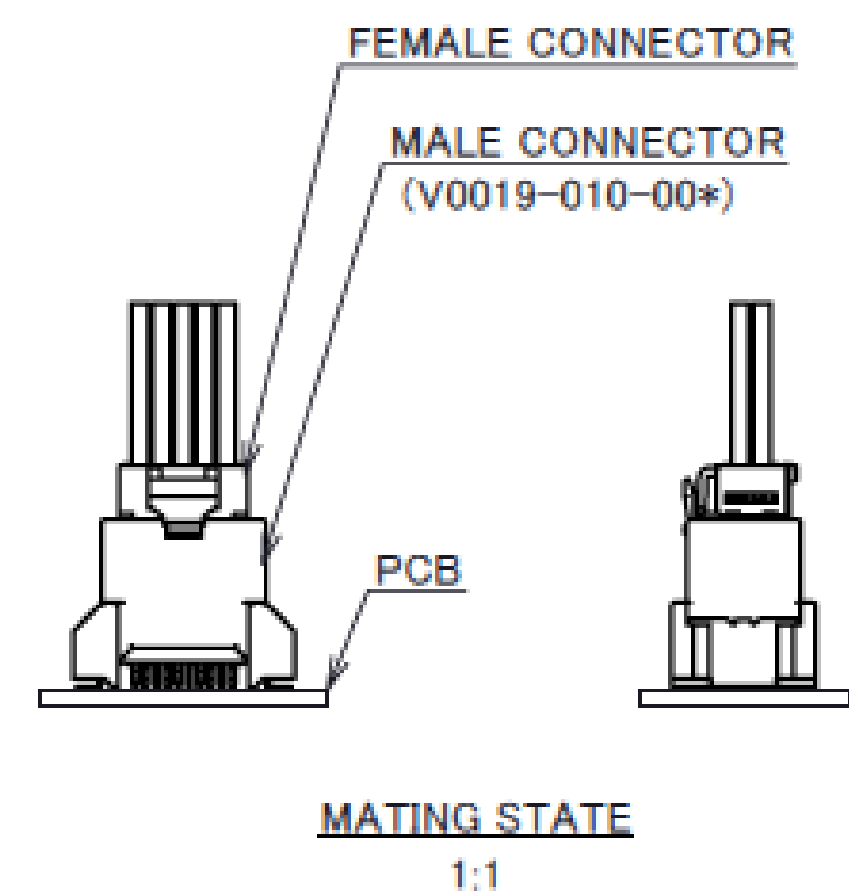
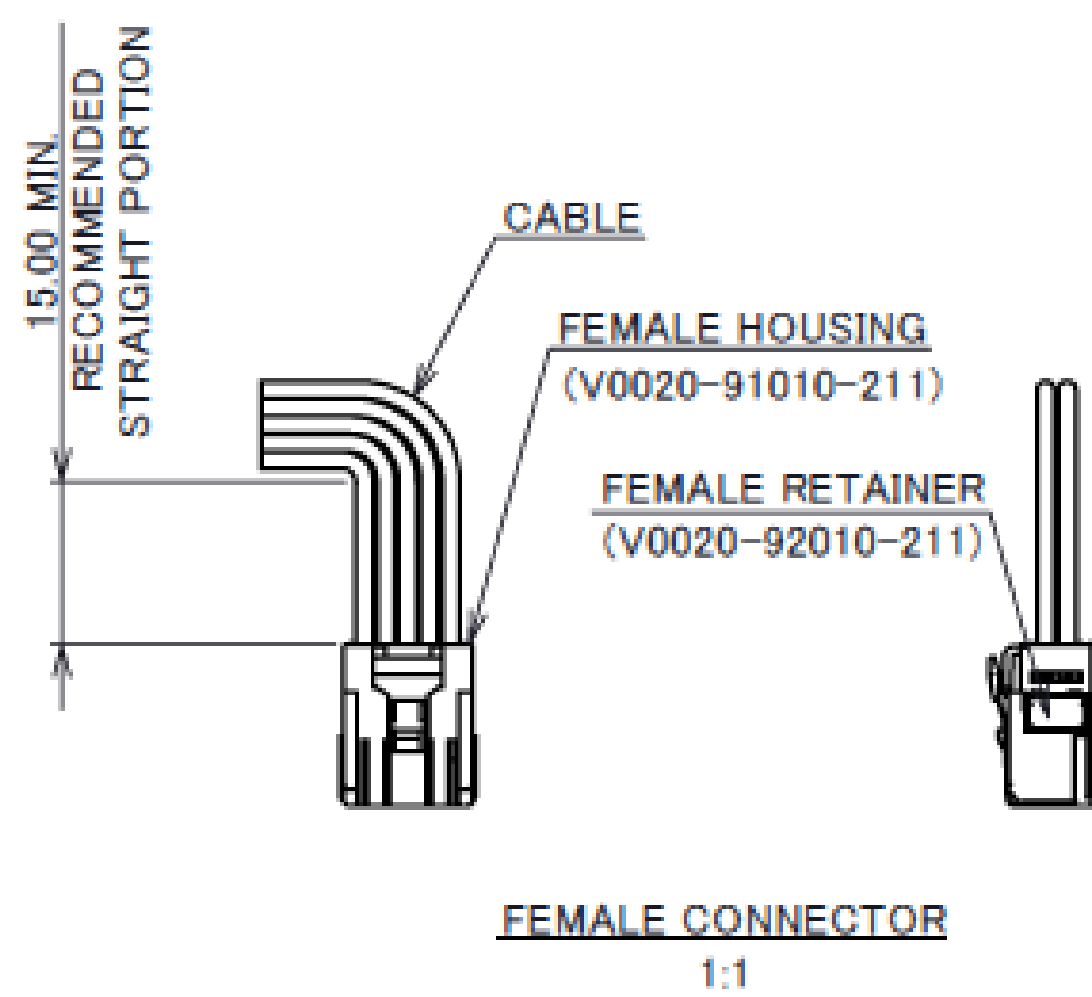
PART NO.	LOCK TYPE	KEY CODING	COLOR	FOR REAR COVER
V0027-91008-211	NORMAL ROCK	-	BLACK	N/A



Rev.0

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

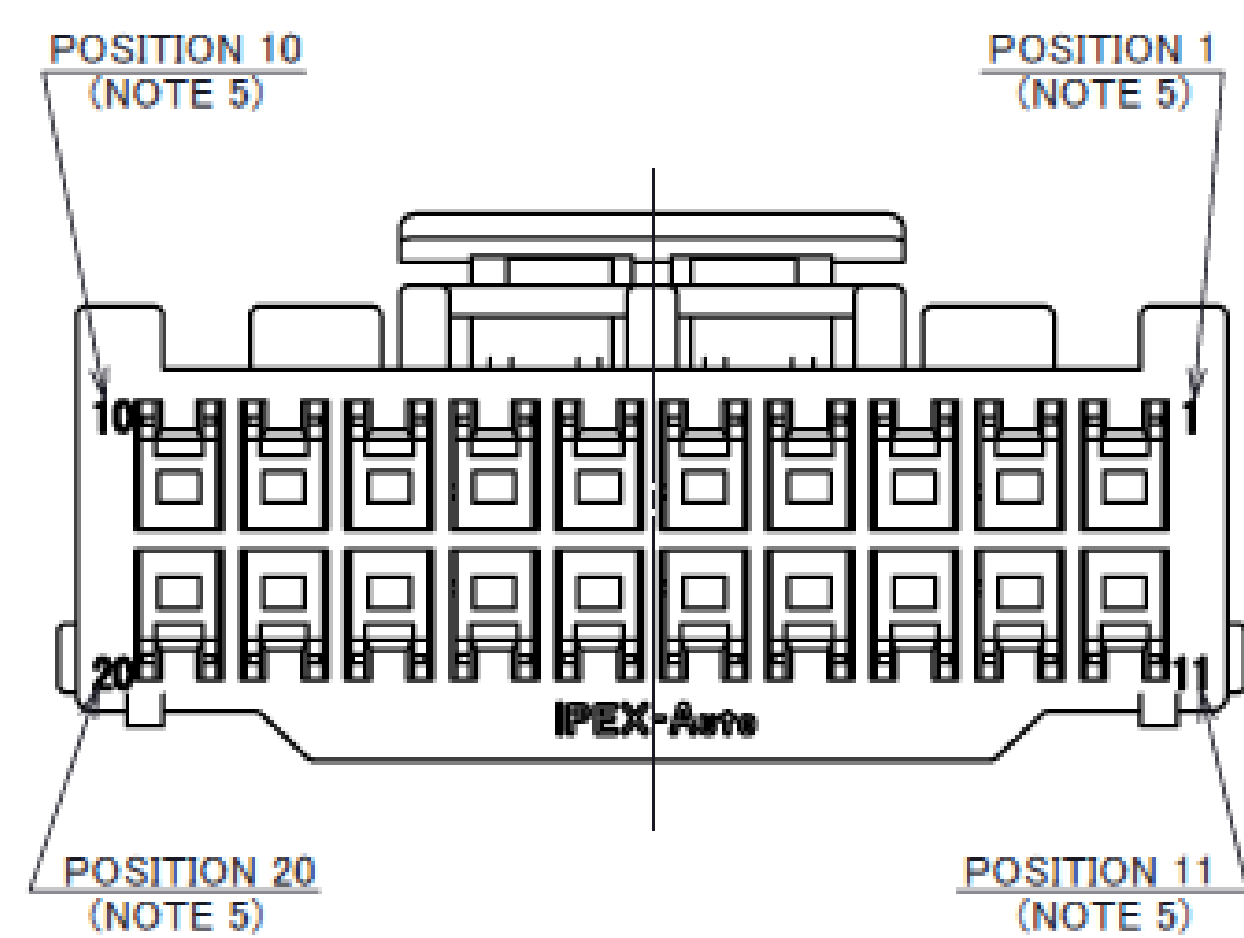
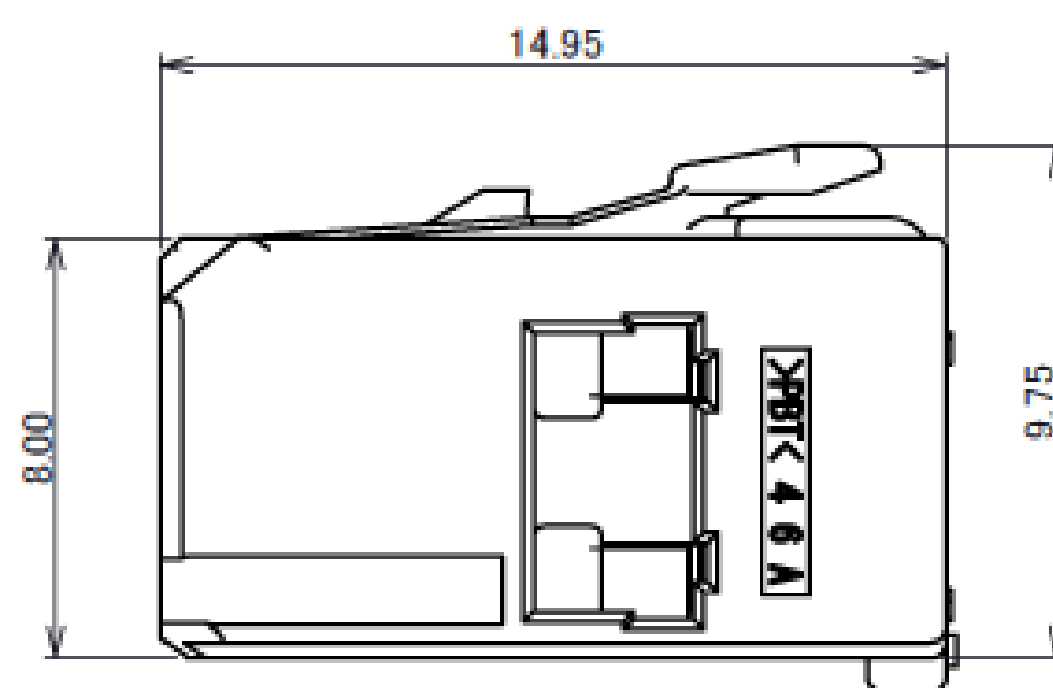
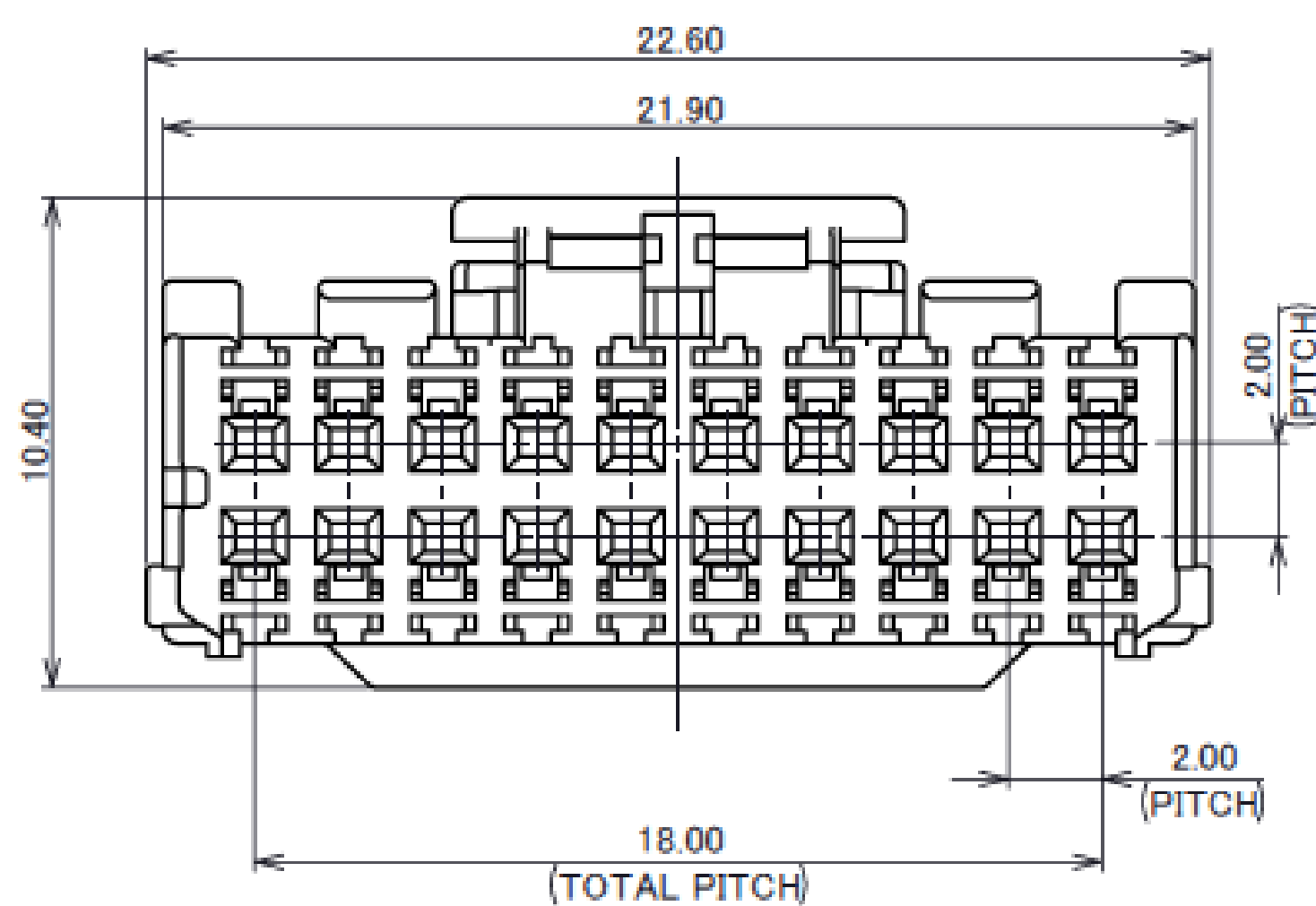
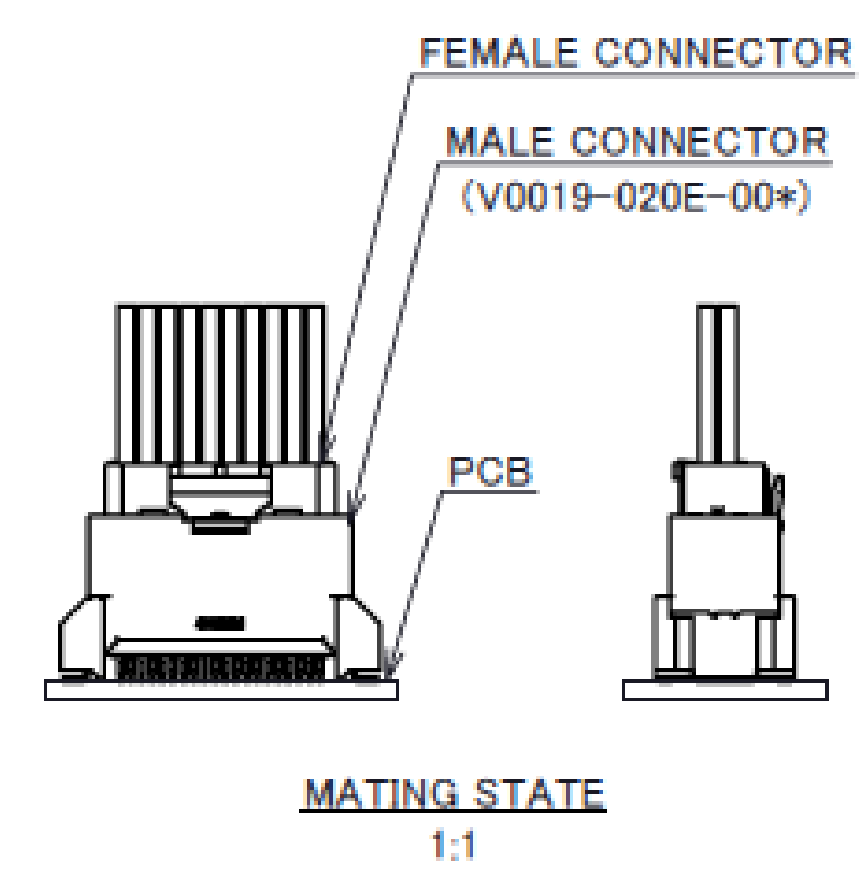
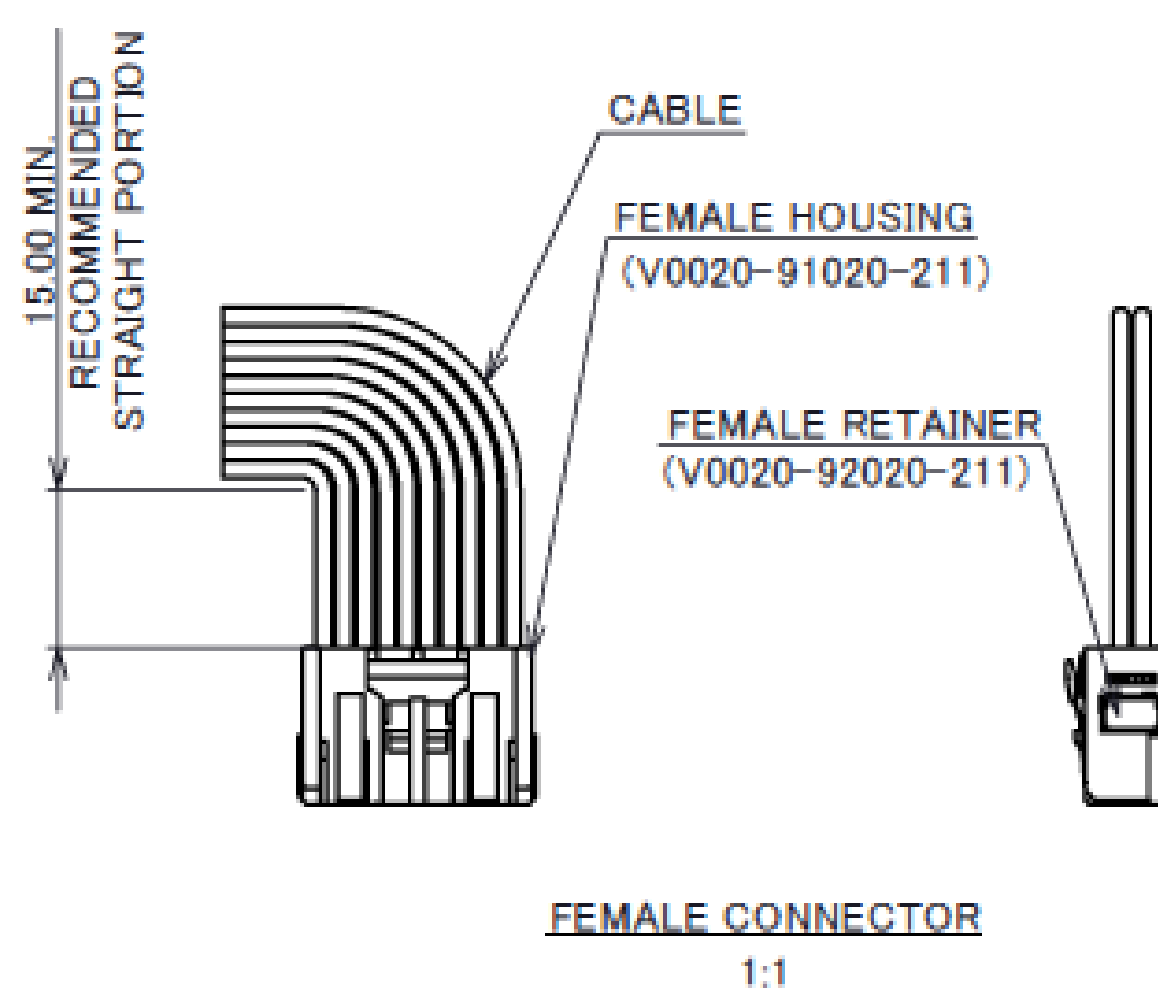
PART NO.	LOCK TYPE	KEY CODING	COLOR	FOR REAR COVER
V0020-91010-211	NORMAL LOCK	-	BLACK	N/A



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

Rev.0

PART NO.
V0020-91020-211

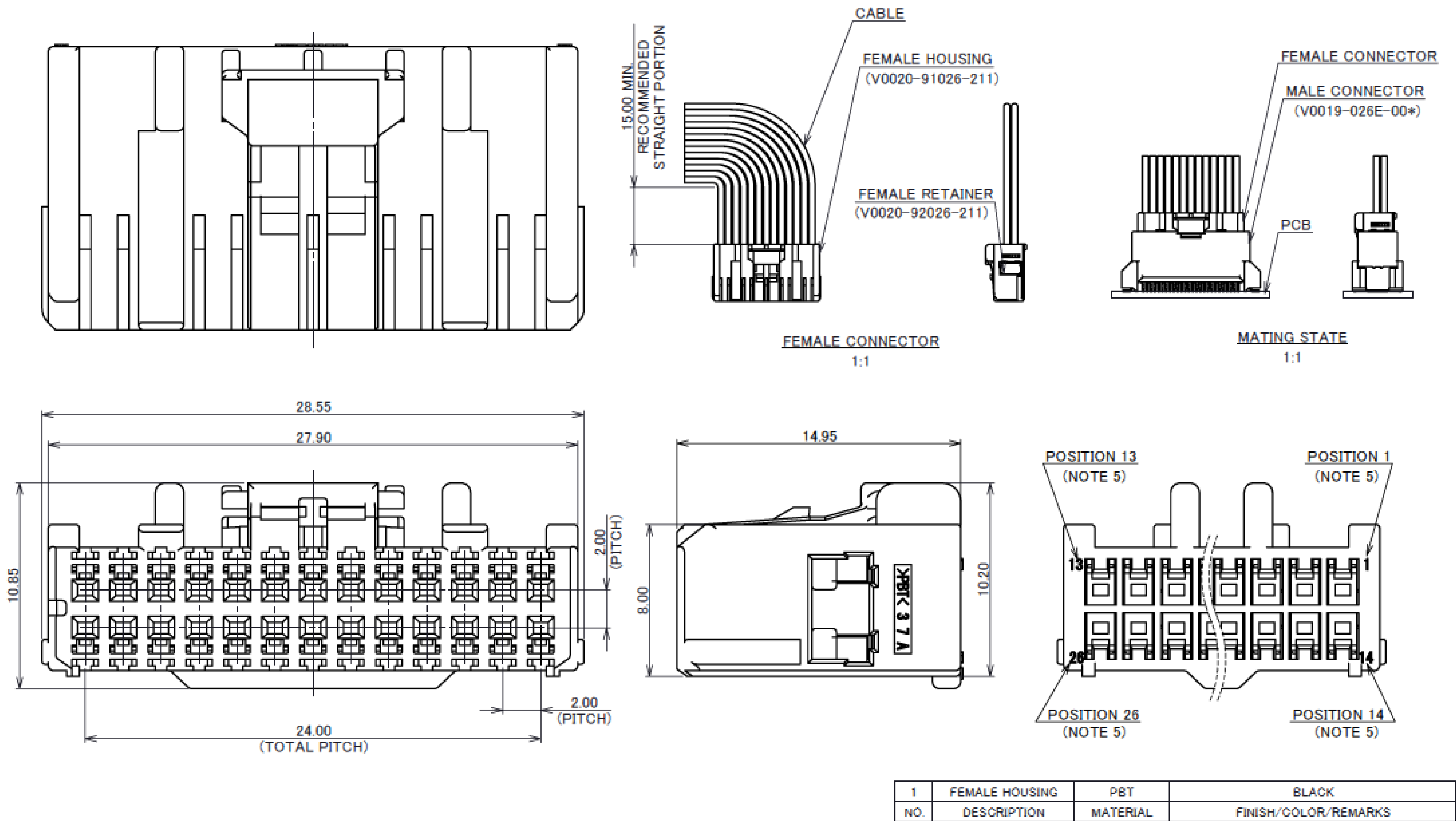


1	FEMALE HOUSING	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

Rev.0

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.

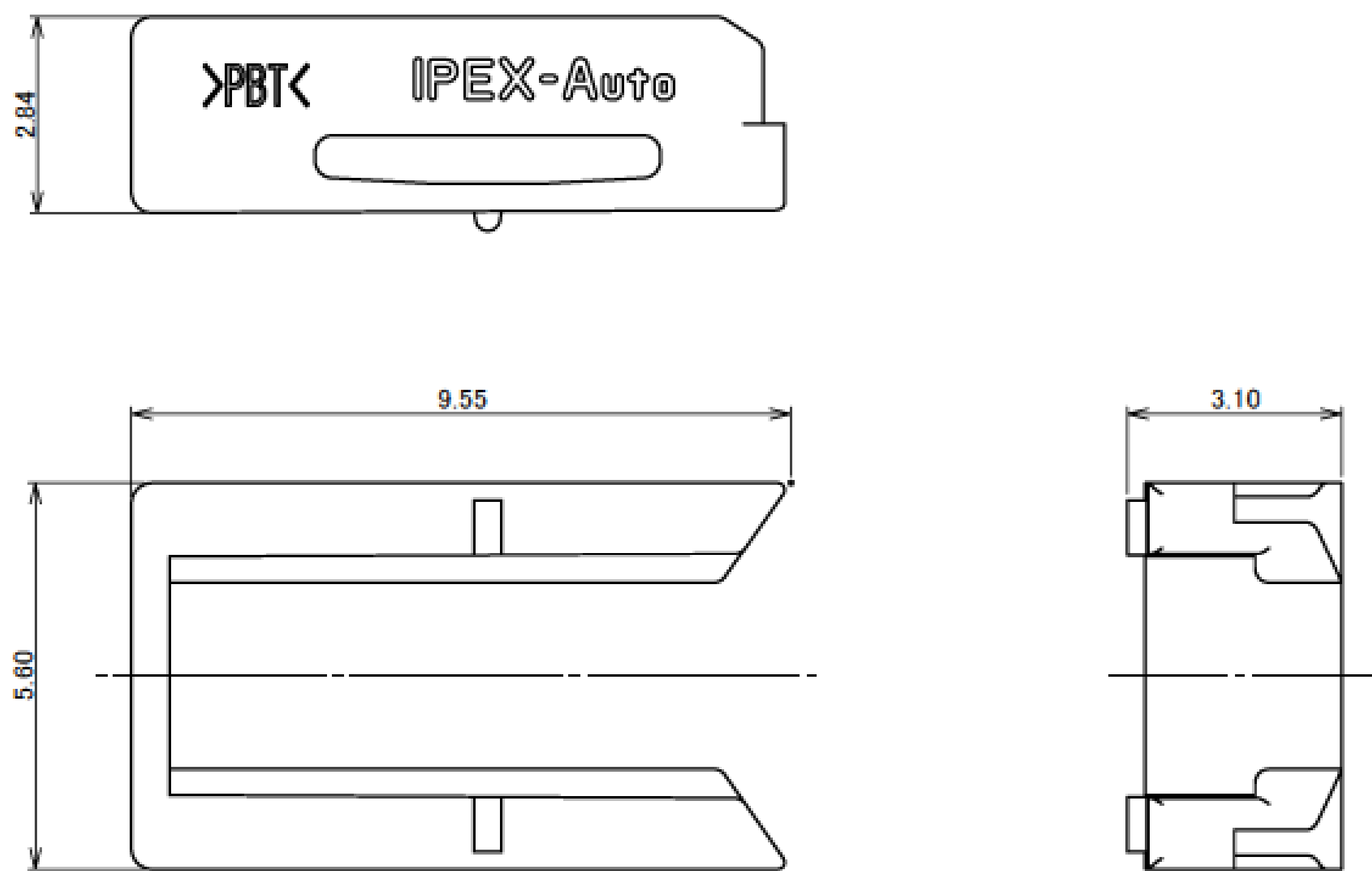
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]

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.

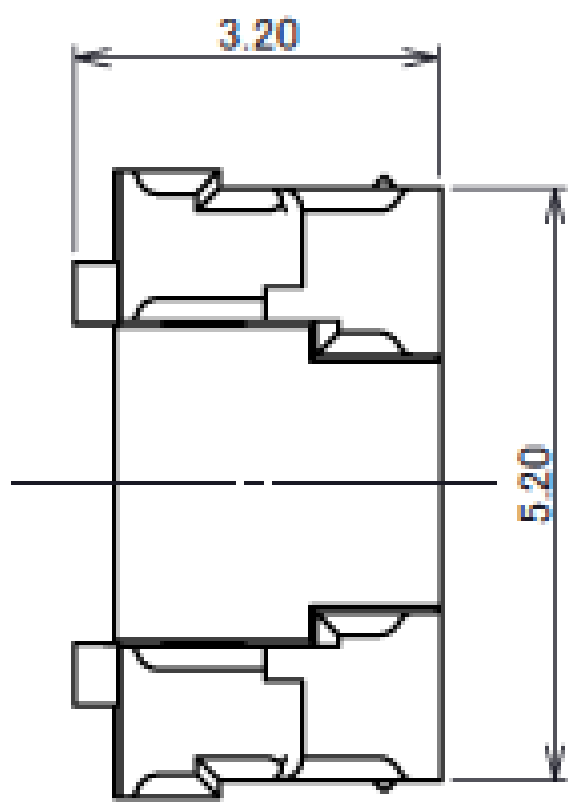
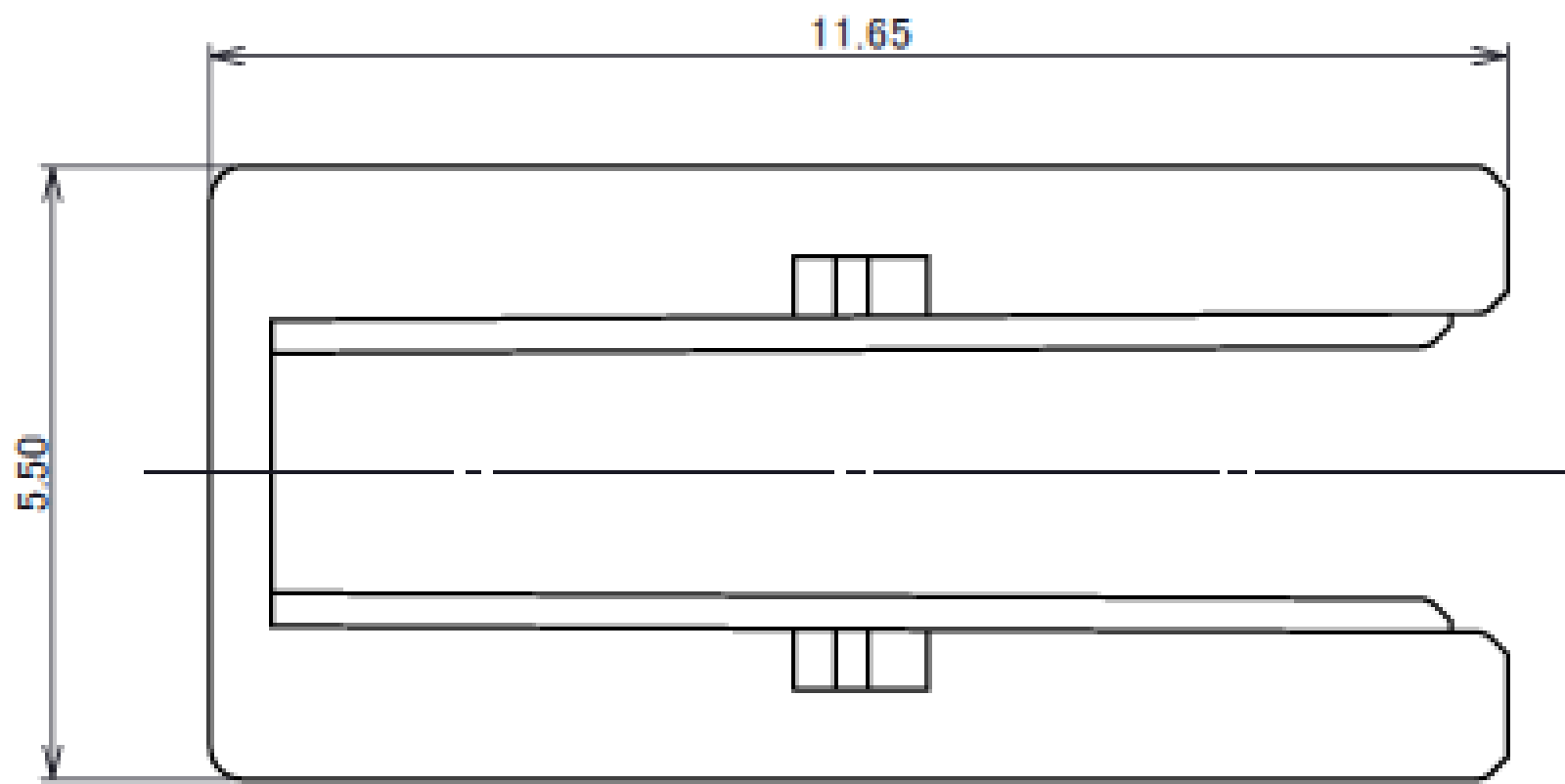
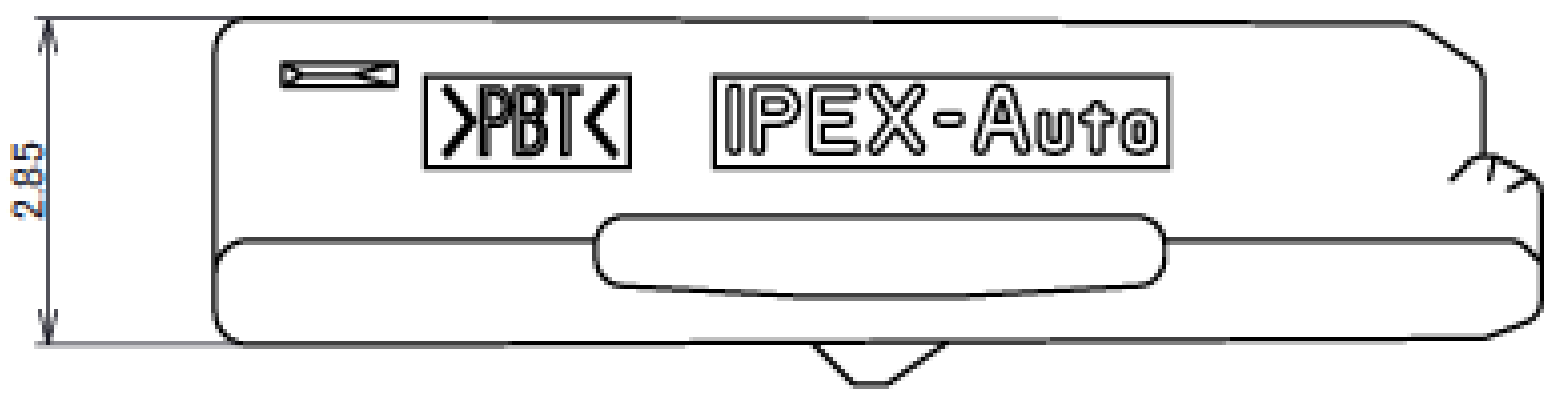
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]

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

Rev.0

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

PART NO.
V0020-92010-211



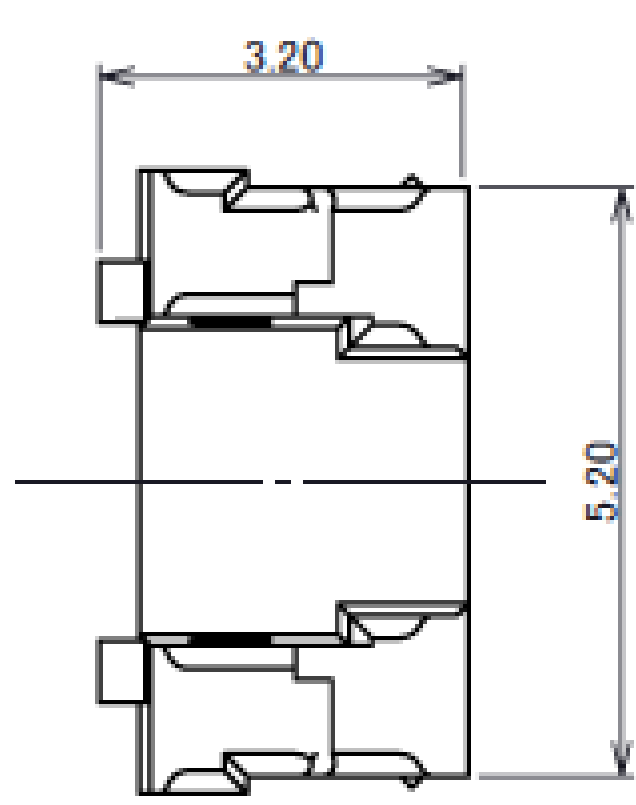
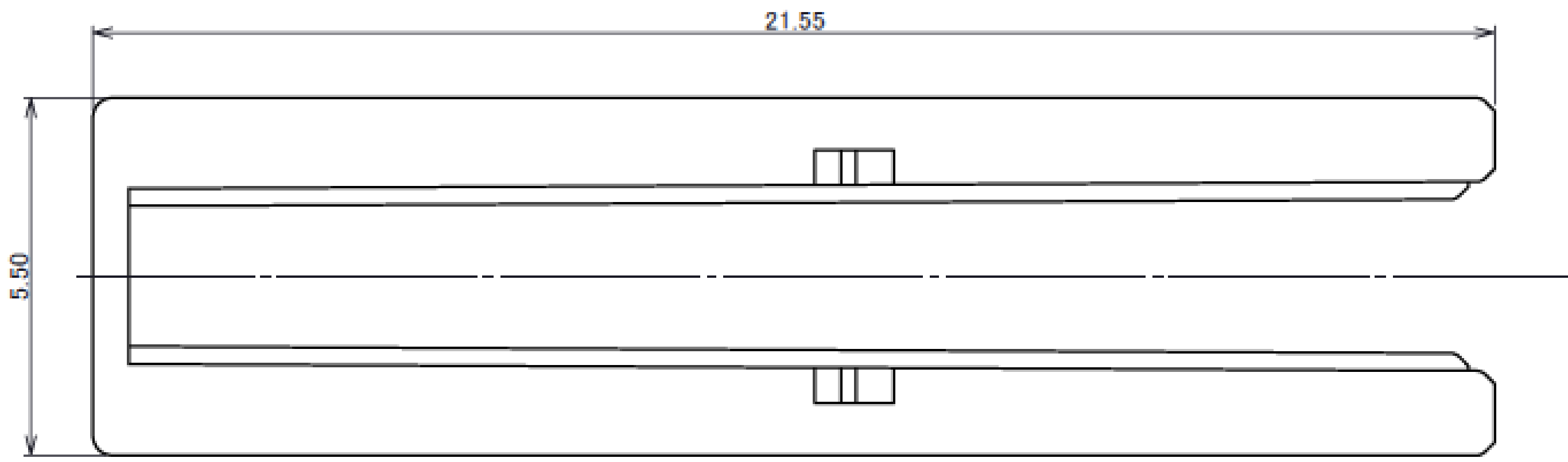
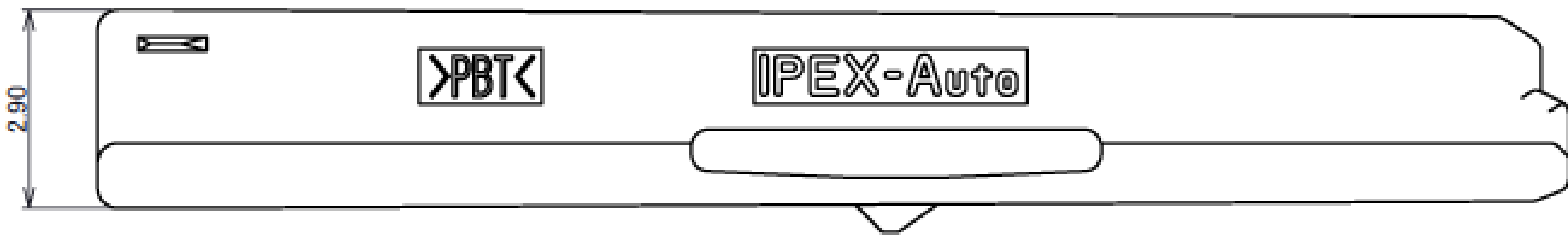
- NOTES
- 1.APPLICABLE PART NO.:
-FEMALE HOUSING-...V0020-91010-211
 - 2.MATERIAL: PBT
 - 3.COMPLY WITH ELV/RoHS.
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】

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

Rev.0

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

PART NO.
V0020-92020-211

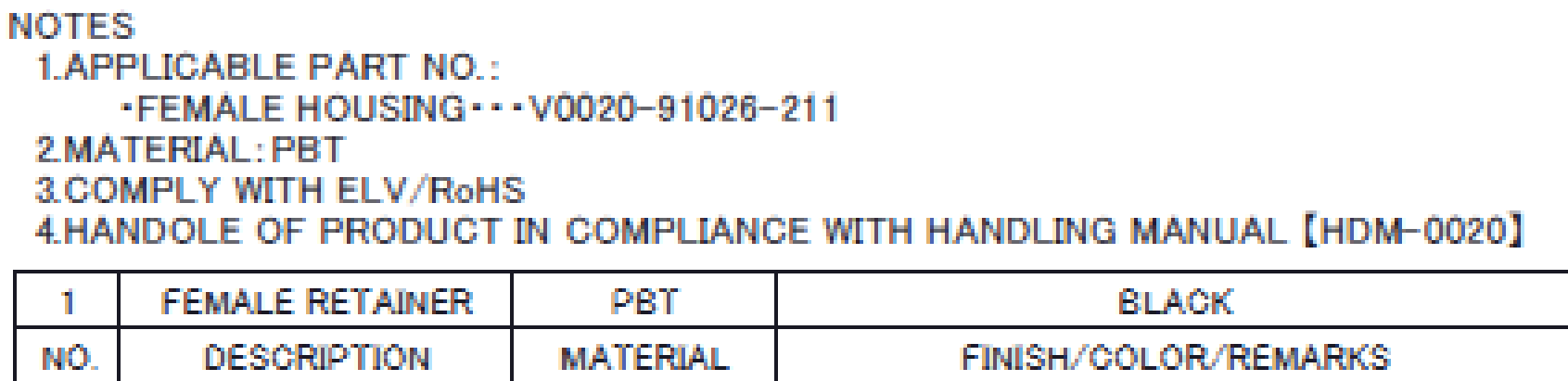


- NOTES
- 1.APPLICABLE PART NO.:
-FEMALE HOUSING-...V0020-91020-211
 - 2.MATERIAL: PBT
 - 3.COMPLY WITH ELV/RoHS
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL 【HDM-0020】

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

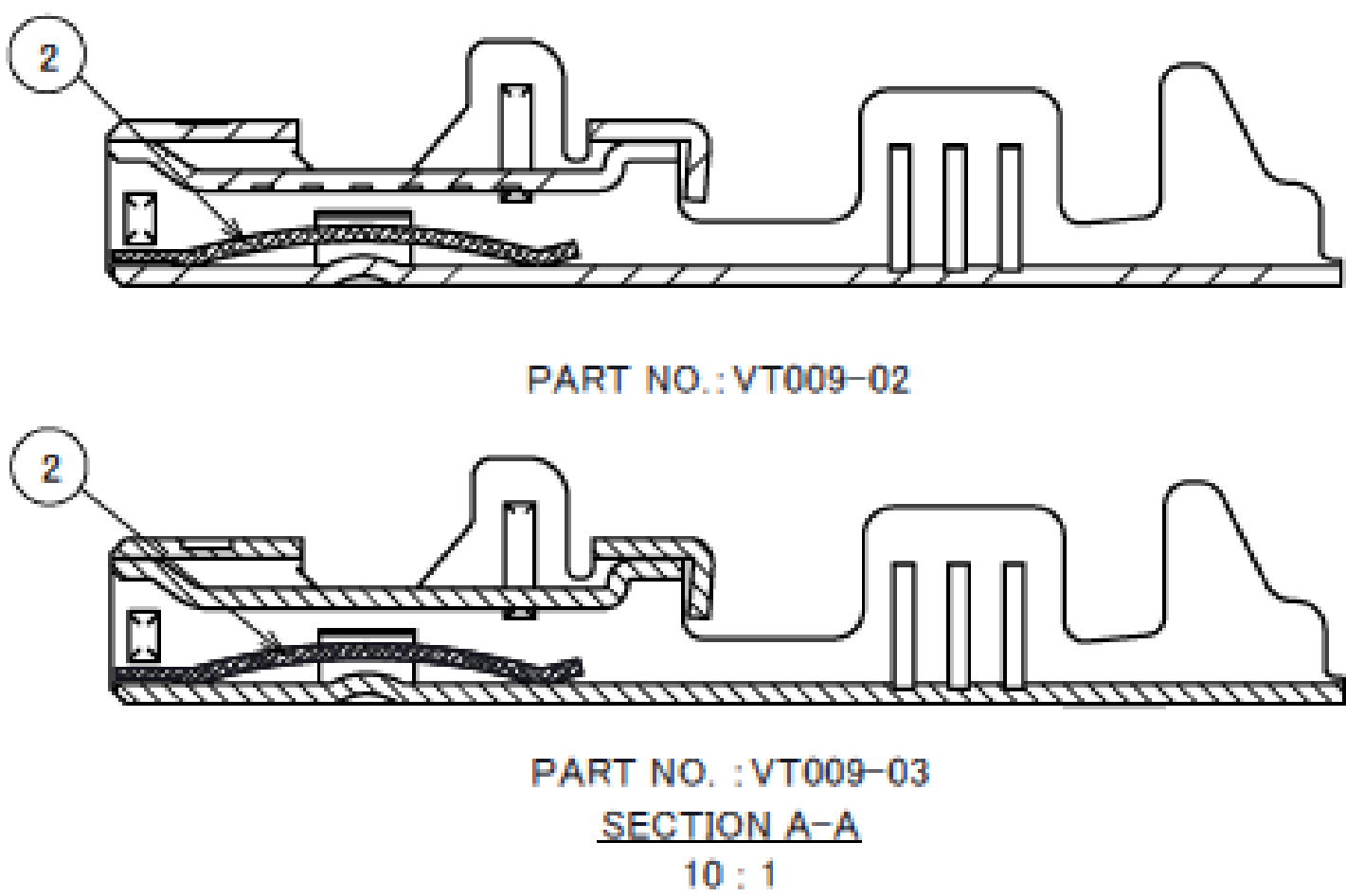
Rev.0

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

Rev.0

Custom Connectors Available

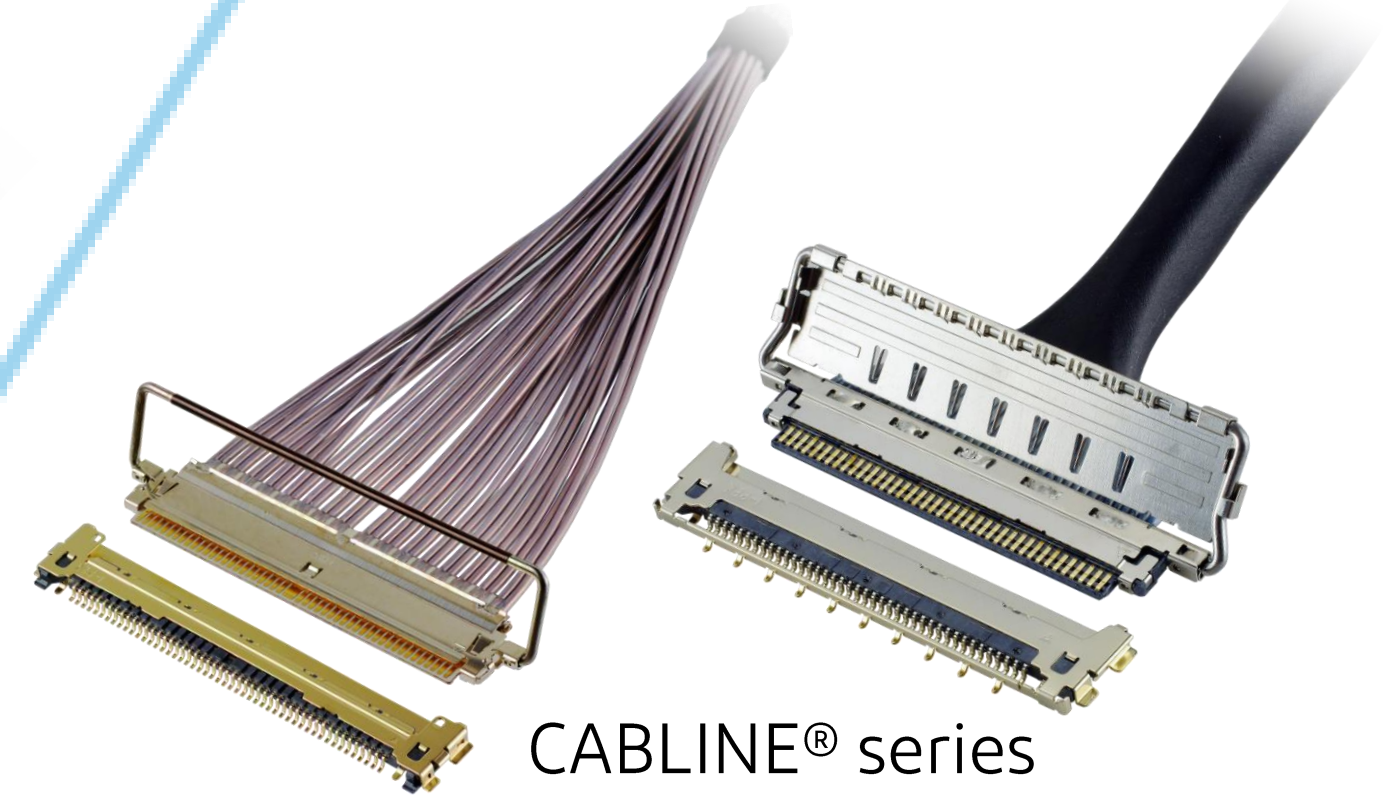


RF
Connectors

MHF® series



CABLINE® series
Micro-coaxial/Twinax
Connectors

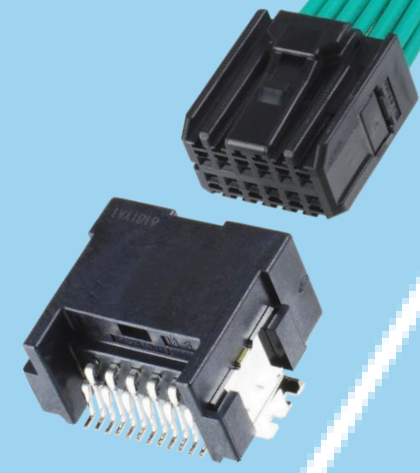


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



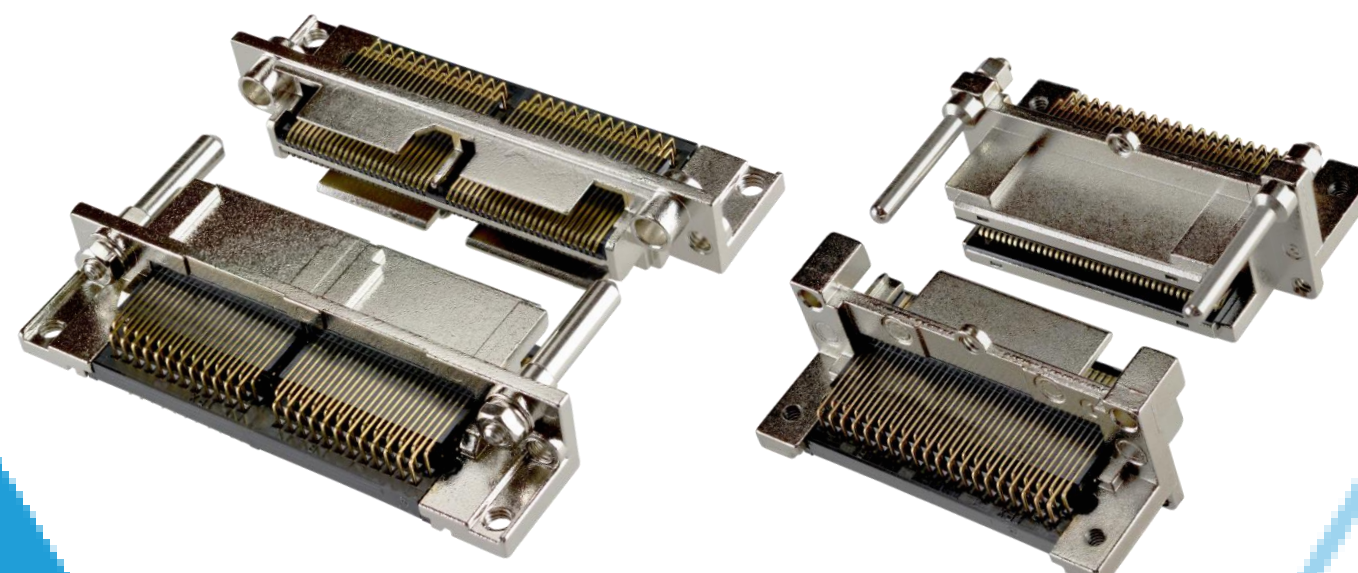
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series EVAFLEX® series



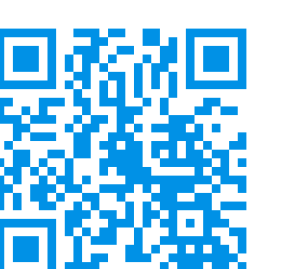
Inquiry



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