

ISH[®] (Horizontal Type-Hybrid)

耐熱, 耐振, 混用 (信號+電力) 端子

Product Specifications:		Signal	Power
Pitch (mm max.)		2.0	
Contact Size (mm)		0.5 × 0.4 (020)	1.5 × 0.64 (060)
Mated Height (mm max.)		13.60	
Width formula (mm)		13.0+1.0*pin	
Operating Temperature		-40 - 125°C	
Vibration Resistance		10G	
Current Rating		4.5A per pin	7.0A per pin
Voltage Rating		100V	
Withstand Voltage		AC 1000V/minute	
Plating		Sn	
Housing		Male:glass-filled LCP, Female:PBT	
Pin counts	Range	Up to 40	
	Available	20, 28	

Applicable Cable Size:

Signal: AWG#22,#20

*Insulation Diameter 1.6 mm max.

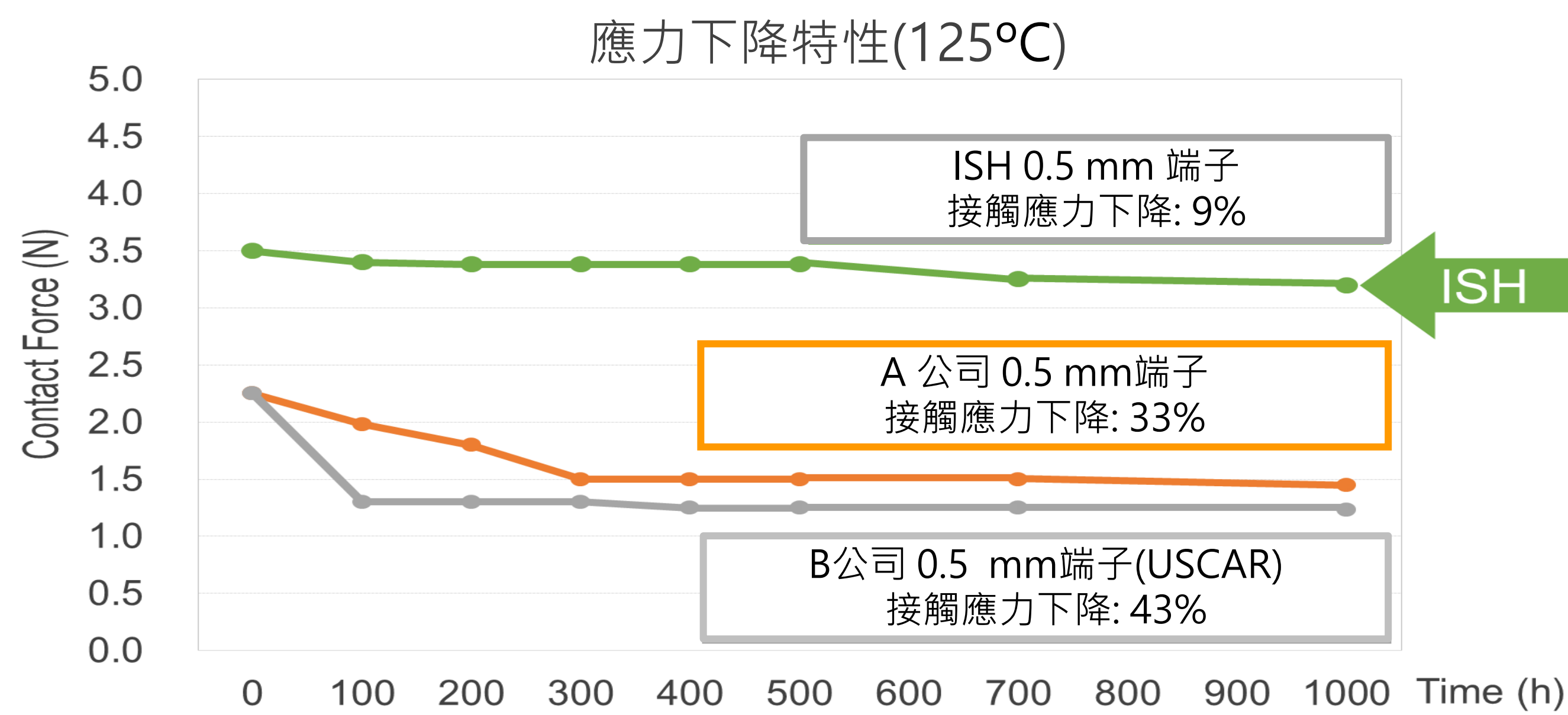
Power: AWG#20

*Insulation Diameter 1.9 mm max.

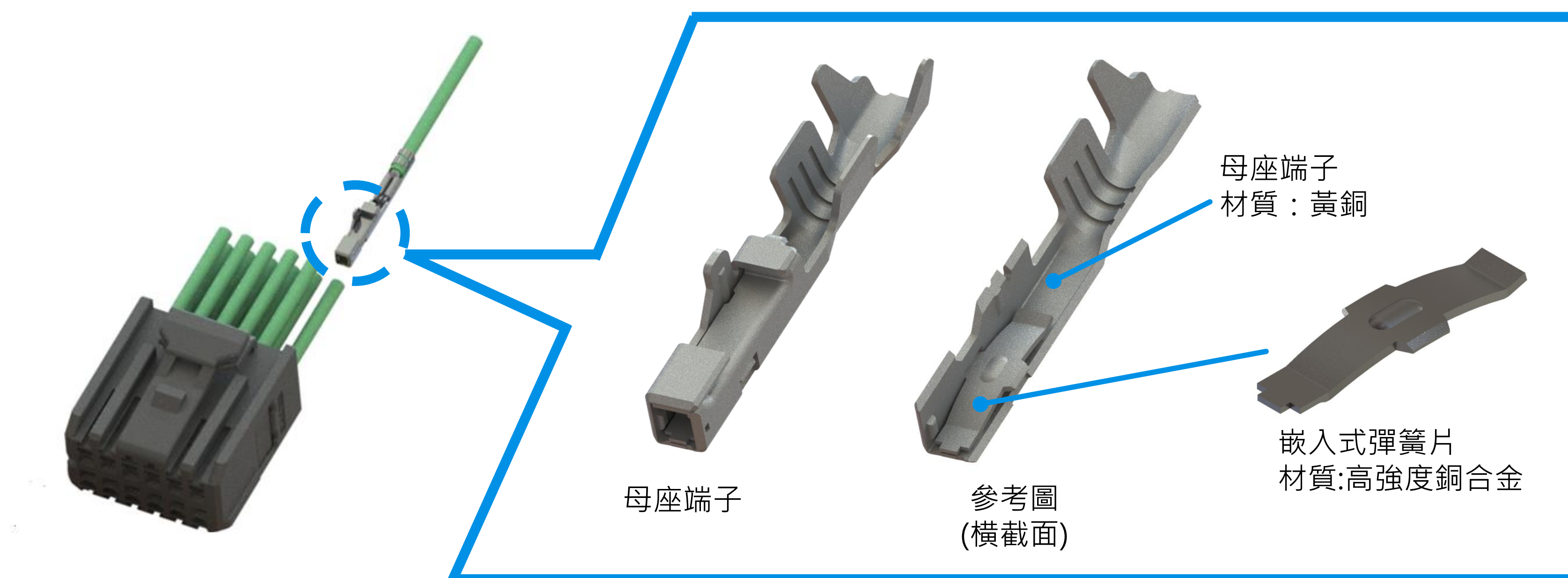
*如您需要瞭解未列出或不在範圍內的Pin數，請諮詢我們



► 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



► 提供符合 USCAR-2 標準的選項，專為汽車和工業級應用而設計



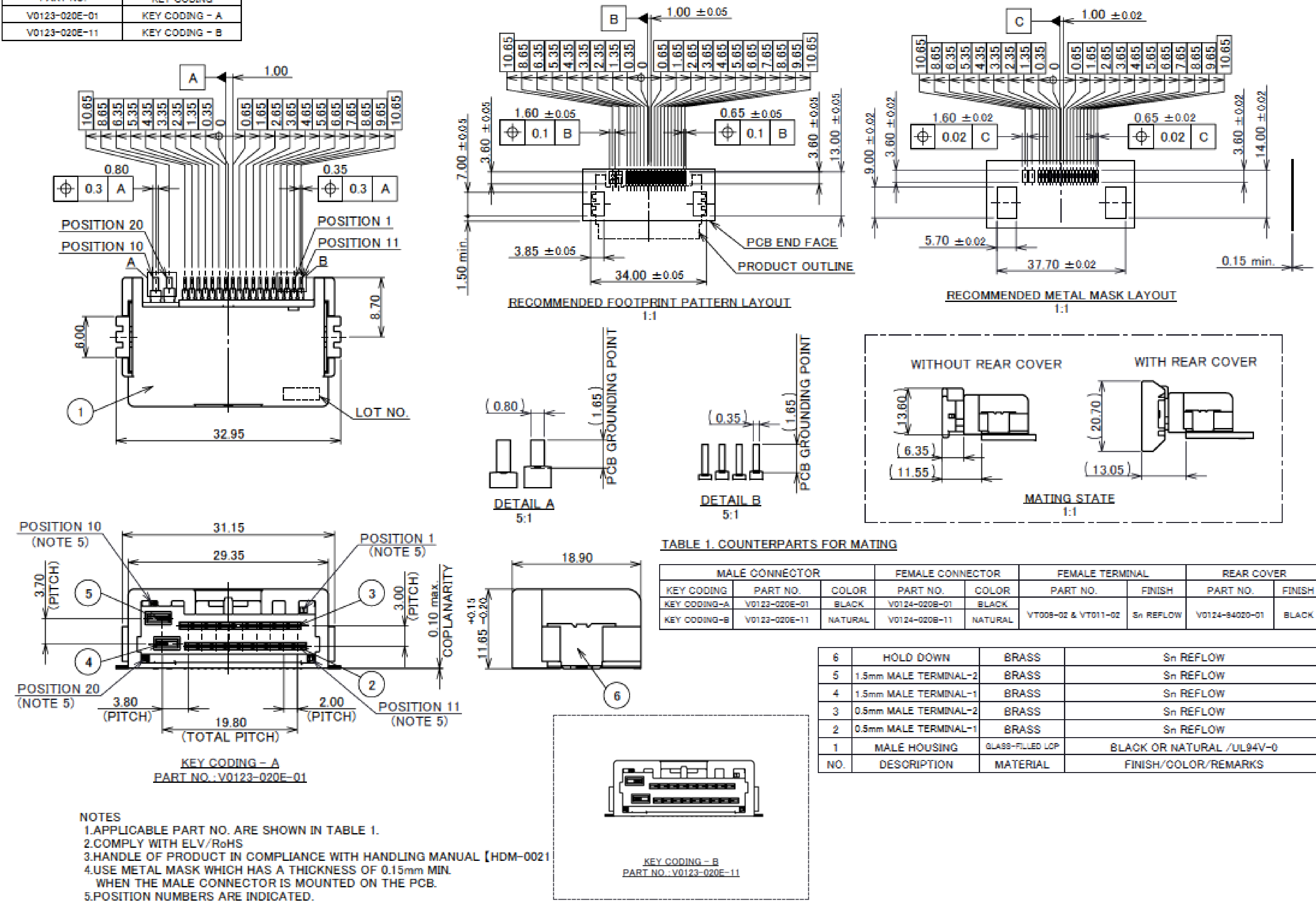
- 汽車大燈控制單元
- 逆變器和 DC/DC 轉換器
- 電池控制模組
- 後視鏡攝像模組
- 車載娛樂設施
- 機械設備
- 工廠自動化設備等

適用於高溫應用

Component Parts Details

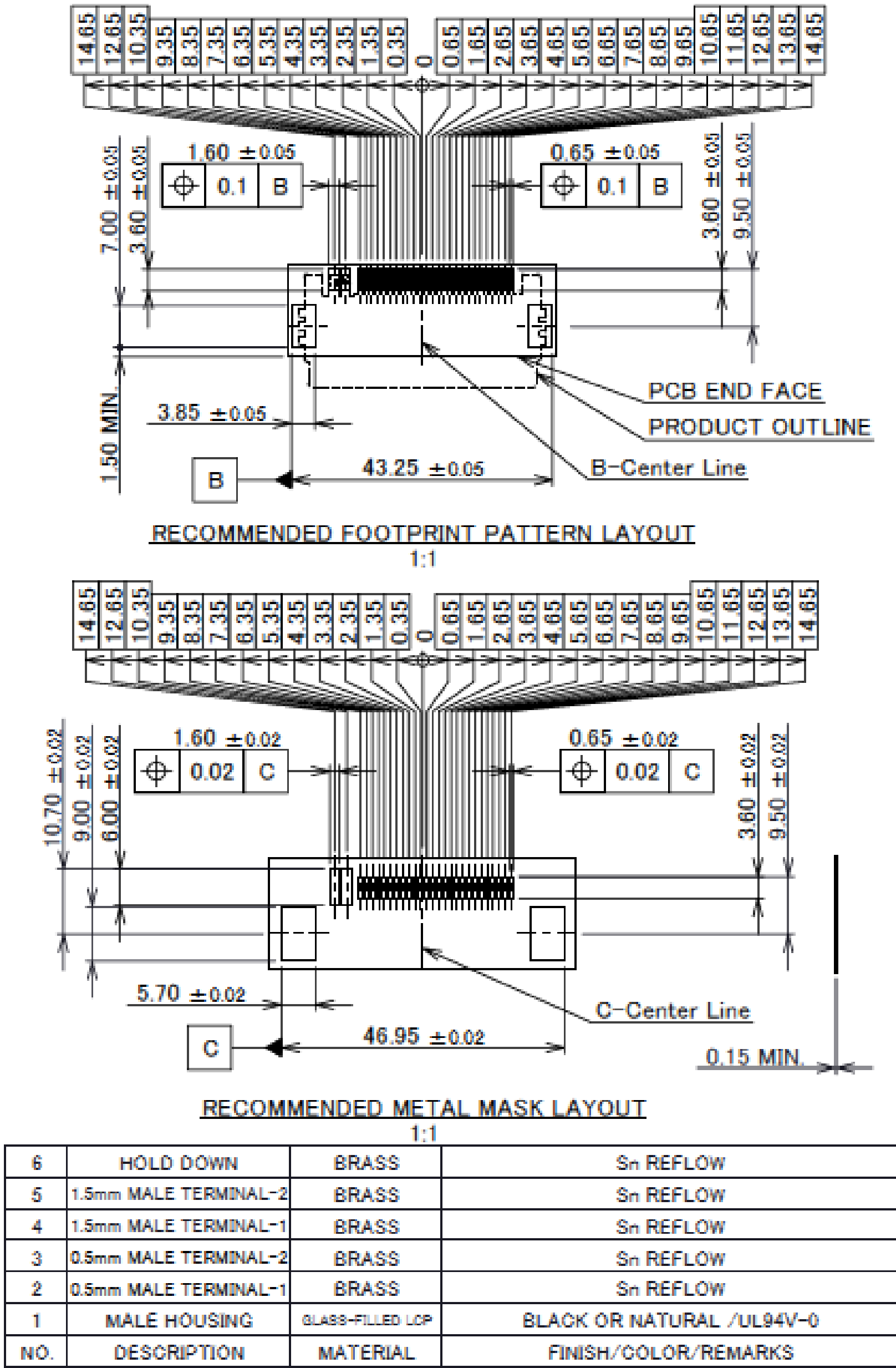
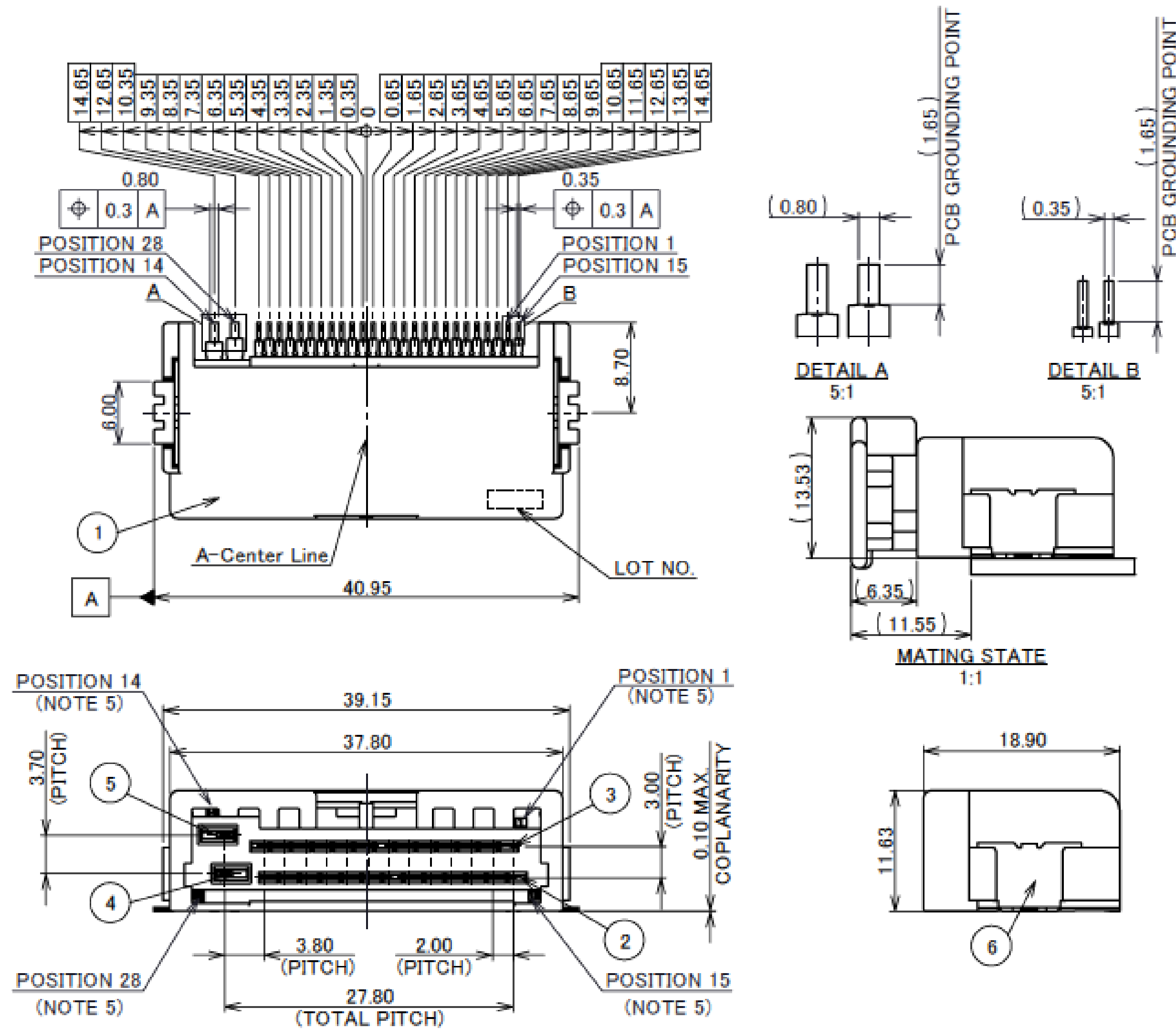
ISH[®] (Horizontal Type-Hybrid) MALE (20P):

PART NO.	KEY CODING
V0123-020E-01	KEY CODING - A
V0123-020E-11	KEY CODING - B



ISH® (Horizontal Type-Hybrid) MALE (28P):

MALE CONNECTOR			FEMALE CONNECTOR		FEMALE TERMINAL	
KEY CODING	PART NO.	COLOR	PART NO.	COLOR	PART NO.	FINISH
-	V0123-023E-01	BLACK	V0124-023B-01	BLACK	VT009-02 & VT011-02	Sn REFLOW



RECOMMENDED METAL MASK LAYOUT			
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS
6	HOLD DOWN	BRASS	Sn REFLOW
5	1.5mm MALE TERMINAL-2	BRASS	Sn REFLOW
4	1.5mm MALE TERMINAL-1	BRASS	Sn REFLOW
3	0.5mm MALE TERMINAL-2	BRASS	Sn REFLOW
2	0.5mm MALE TERMINAL-1	BRASS	Sn REFLOW
1	MALE HOUSING	GLASS-FILLED LCP	BLACK OR NATURAL /UL94V-0

- NOTES
- 1.APPLICABLE PART NO. ARE SHOWN IN TABLE 1.
 - 2.COMPLY WITH ELV/RoHS
 - 3.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0021】
 - 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.

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ISH® (Horizontal Type-Hybrid) FEMALE (20P):

PART NO.	KEY CODING
V0124-020B-01	KEY CODING - A
V0124-020B-11	KEY CODING - B

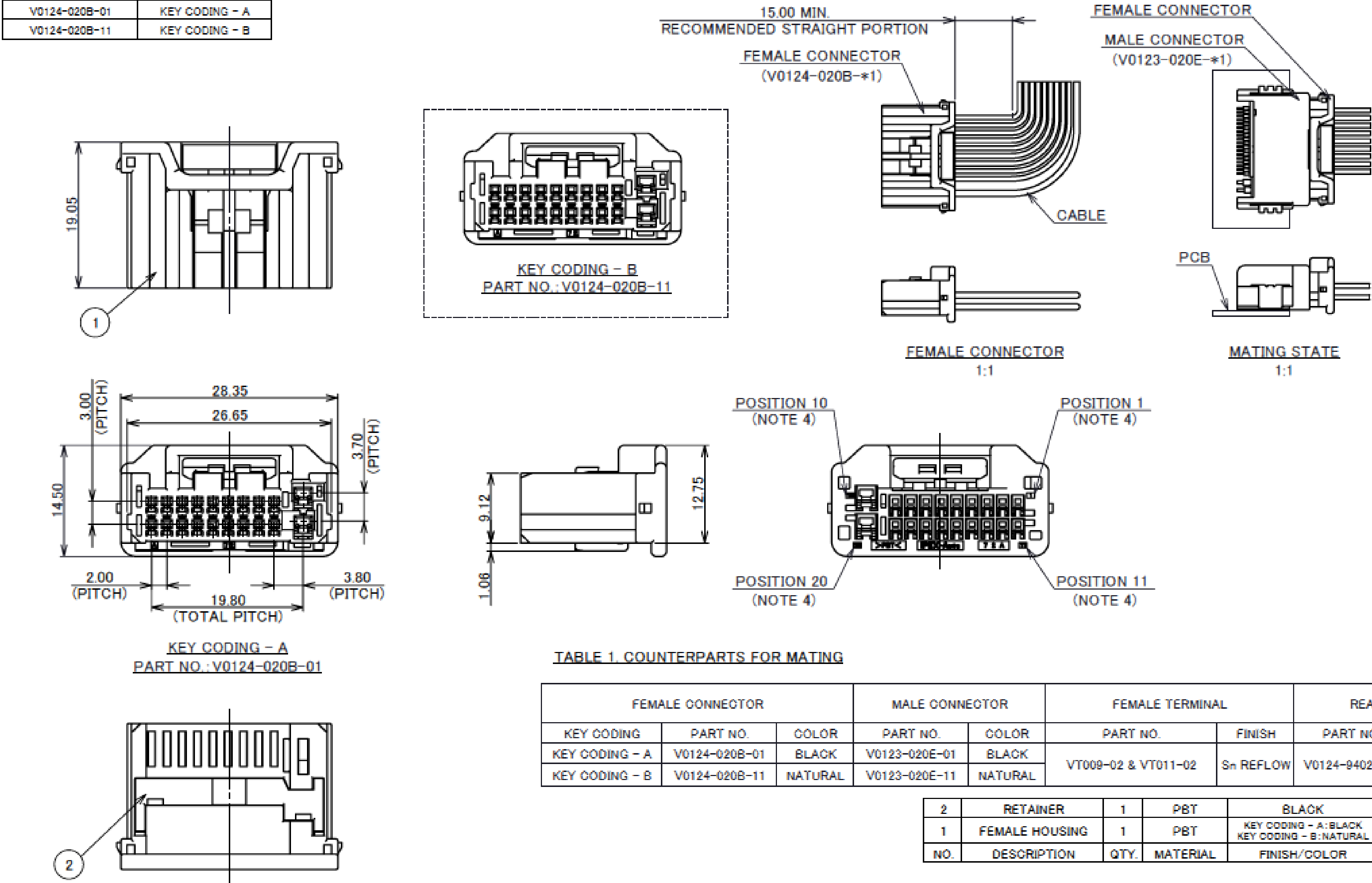


TABLE 1. COUNTERPARTS FOR MATING

FEMALE CONNECTOR			MALE CONNECTOR		FEMALE TERMINAL		REAR COVER	
KEY CODING	PART NO.	COLOR	PART NO.	COLOR	PART NO.	FINISH	PART NO.	COLOR
KEY CODING - A	V0124-020B-01	BLACK	V0123-020E-01	BLACK	VT009-02 & VT011-02	Sn REFLOW	V0124-94020-01	BLACK
KEY CODING - B	V0124-020B-11	NATURAL	V0123-020E-11	NATURAL				

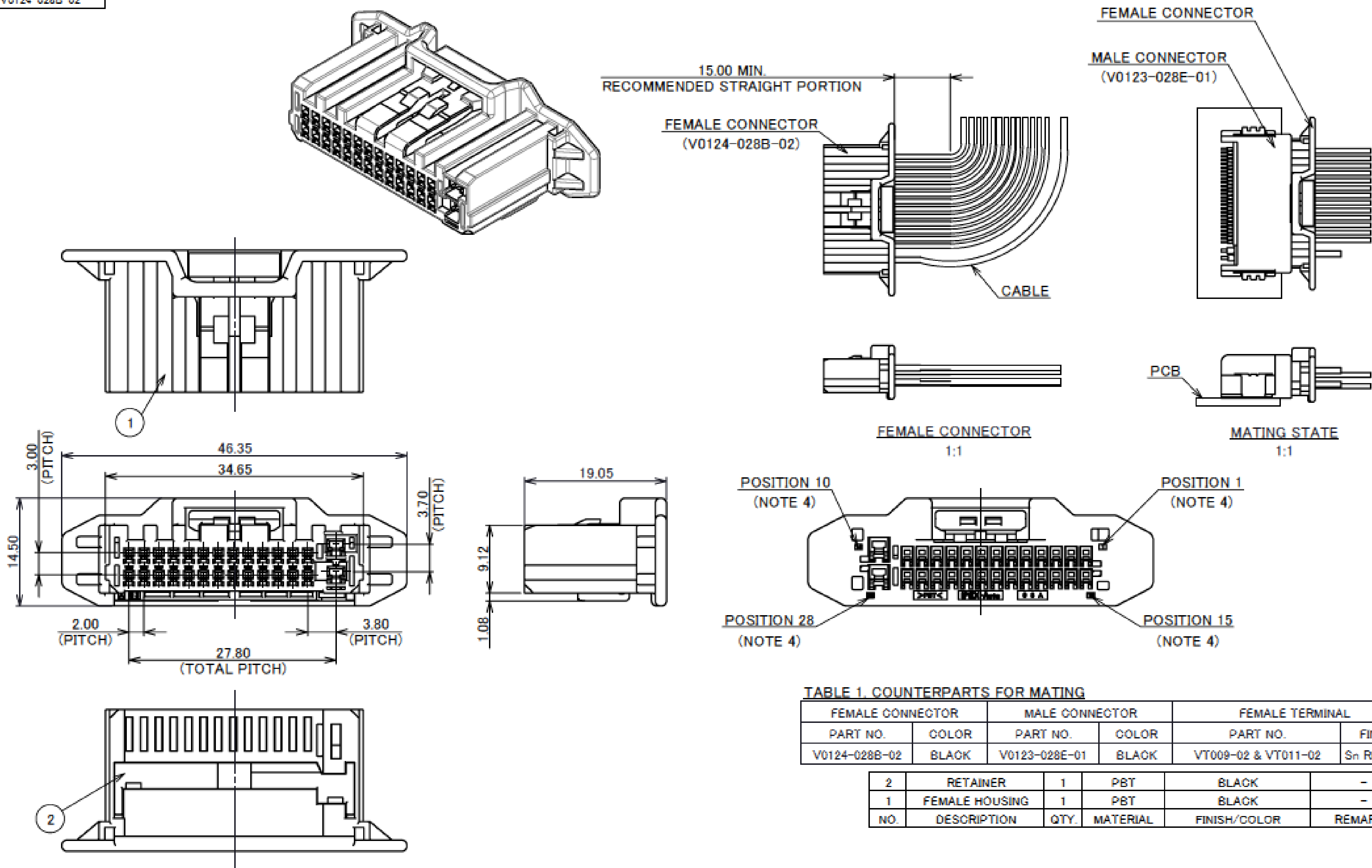
2	RETAINER	1	PBT	BLACK	-
1	FEMALE HOUSING	1	PBT	KEY CODING - A: BLACK KEY CODING - B: NATURAL	-
NO.	DESCRIPTION	QTY.	MATERIAL	FINISH/COLOR	REMARKS

- NOTE
- 1.APPLICABLE MALE CONNECTOR PARTS NO. ARE SHOWN IN TABLE 1.
 - 2.COMPLY WITH ELV/RoHS
 - 3.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0021】
 - 4.POSITION NUMBERS ARE INDICATED.

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ISH® (Horizontal Type-Hybrid) FEMALE (28P):

PART NO.
V0124-028B-02

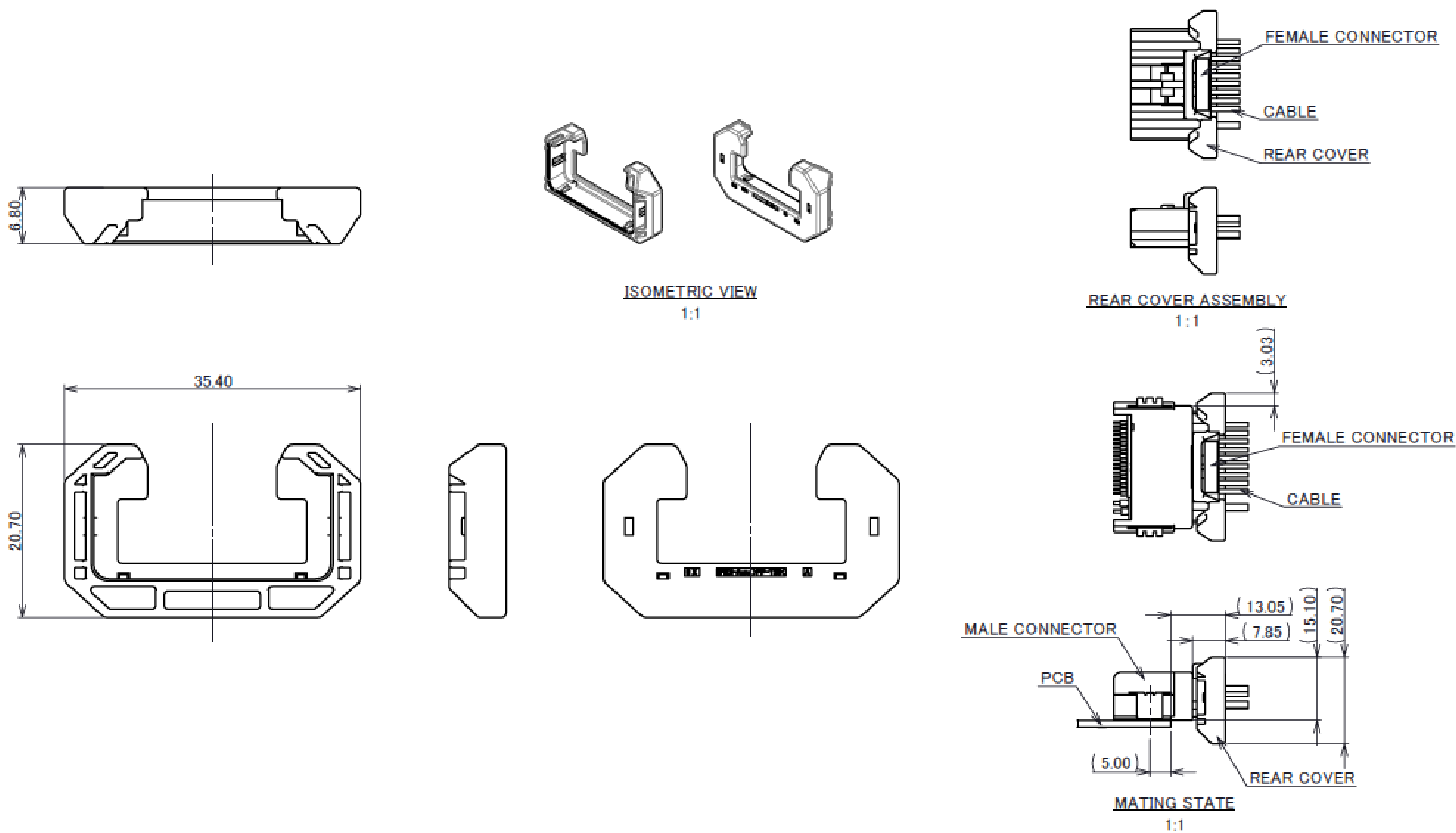


NOTE
1.APPLICABLE MALE CONNECTOR PARTS NO. ARE SHOWN IN TABLE 1.
2.COMPLY WITH ELV/RoHS
3.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0021]
4.POSITION NUMBERS ARE INDICATED.

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ISH® (Horizontal Type-Hybrid) REAR COVER (20P):

PART NO.
V0124-84020-01



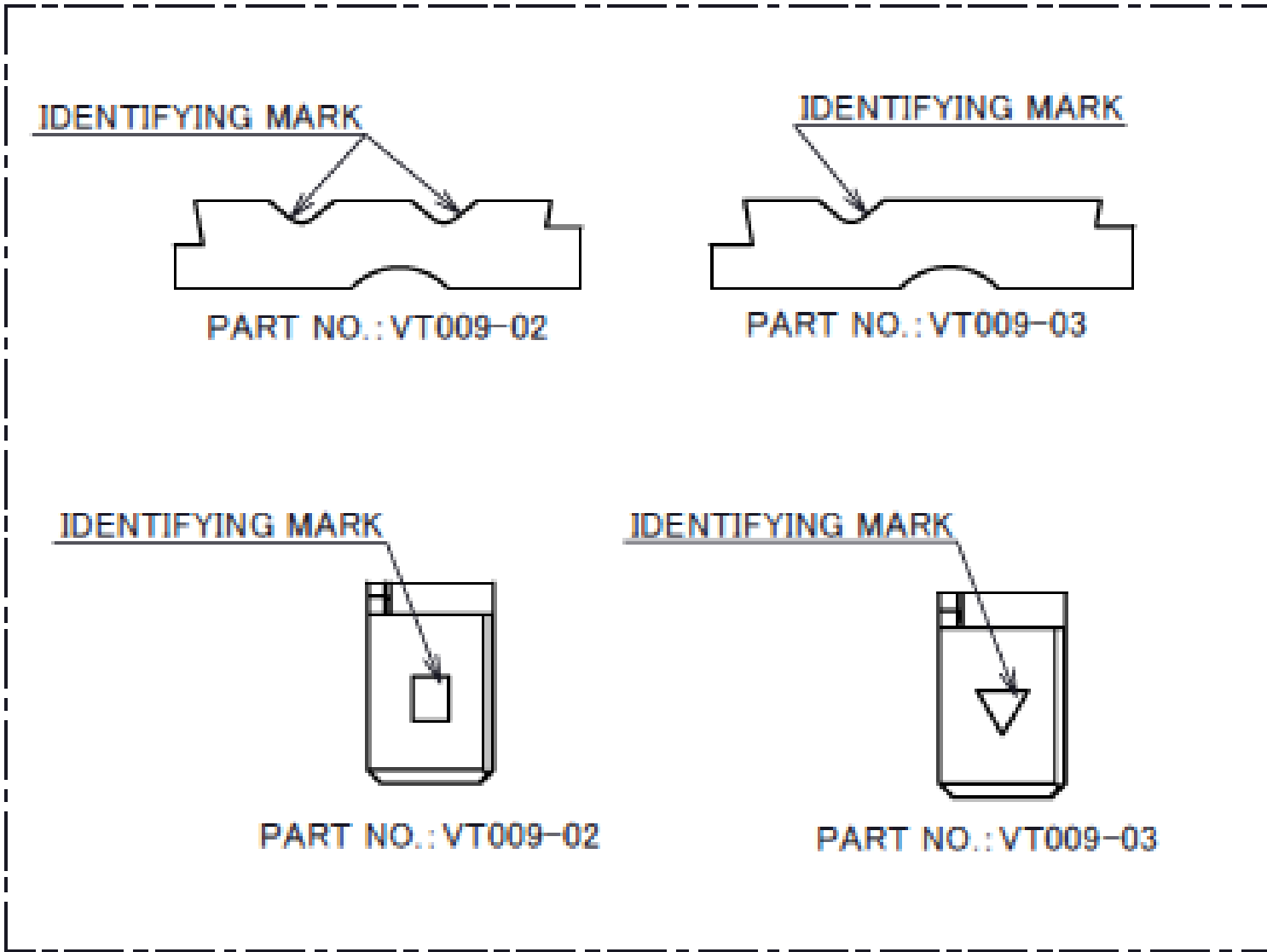
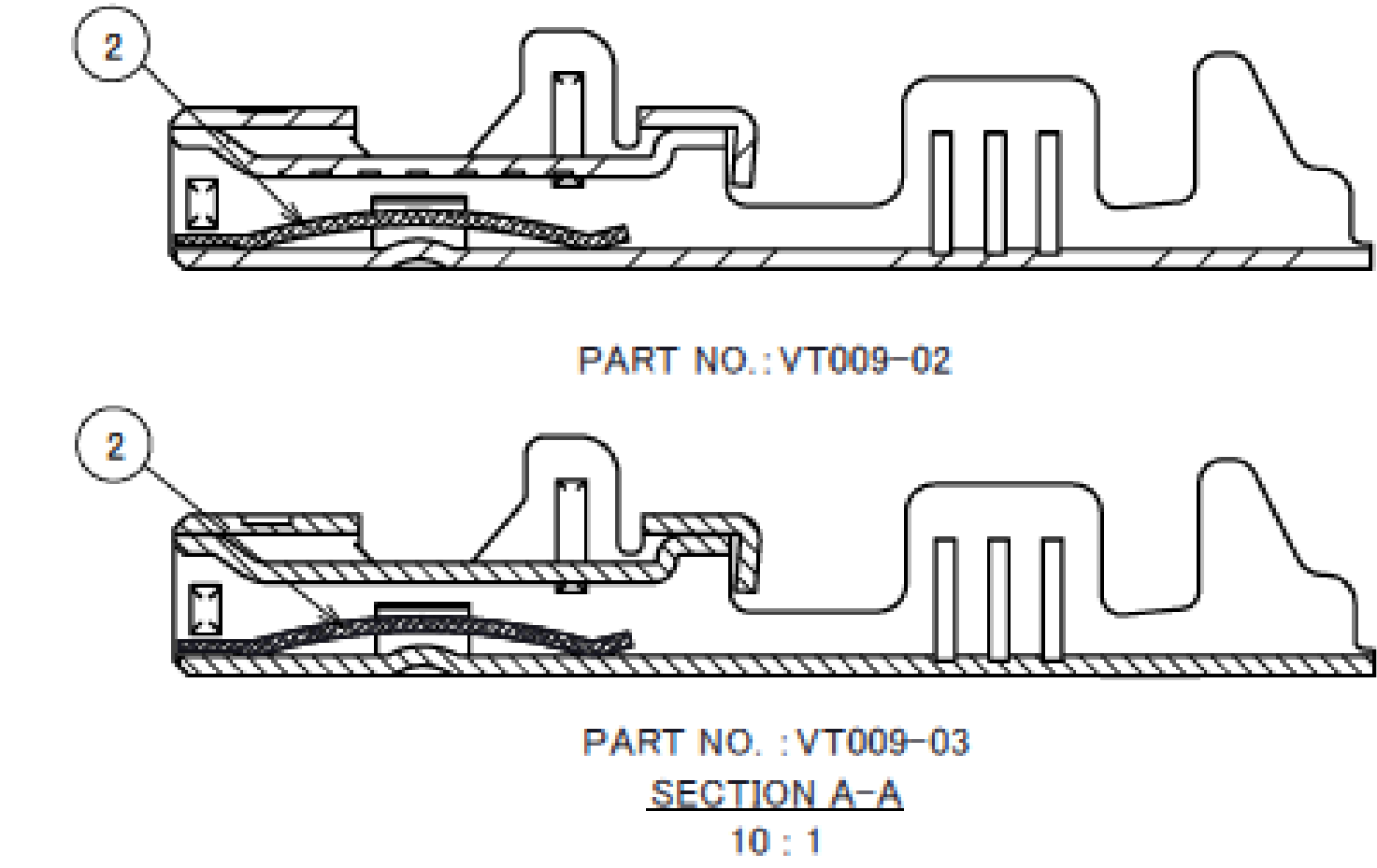
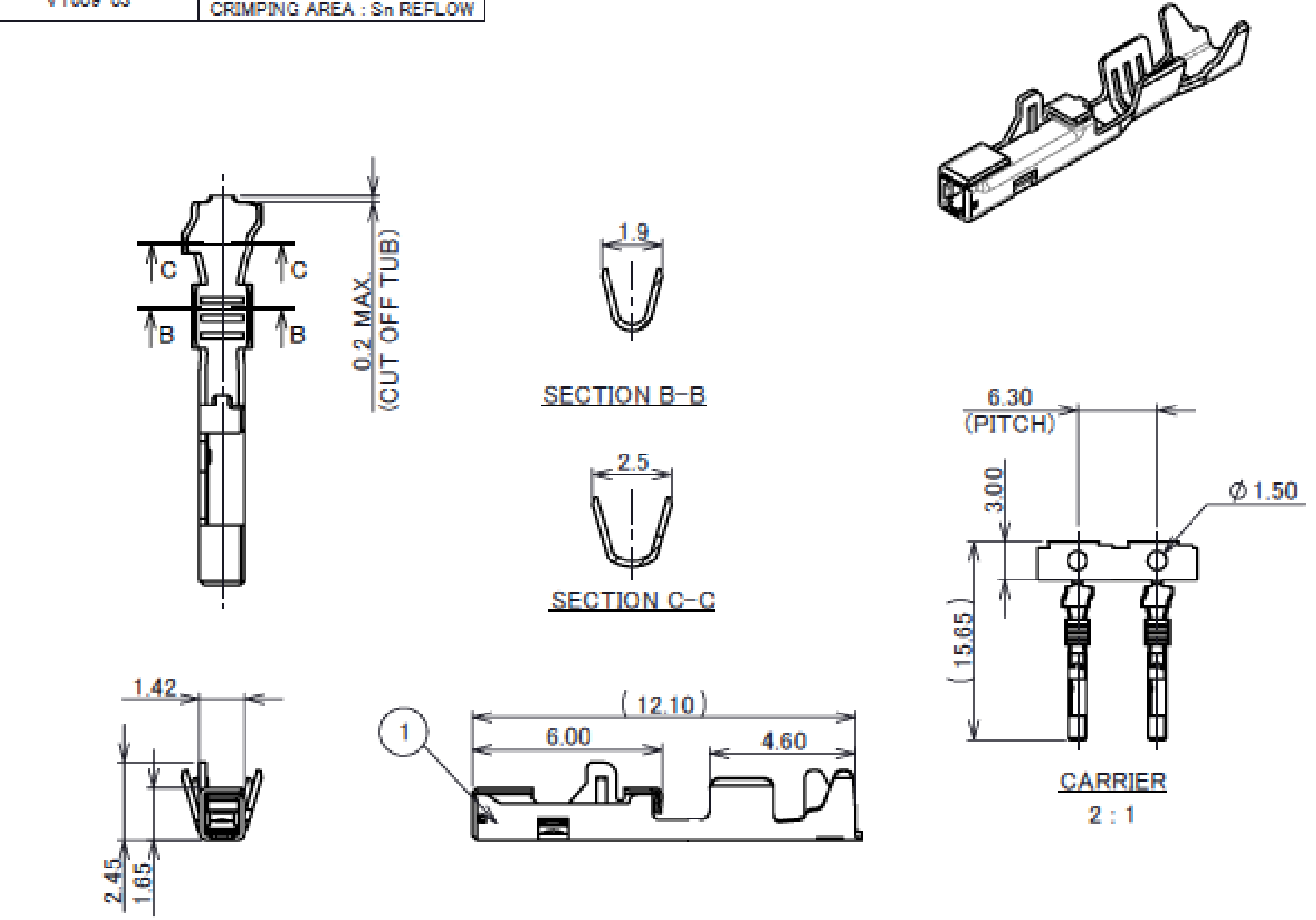
NOTES
1.APPLICABLE PART NO.:
•FEMALE HOUSING...V0124-020B-01(KEY CODING - A)
...V0124-020B-02(KEY CODING - B)
2.COMPLY WITH ELV/RoHS
3.INSERTION FORCE TO FEMALE HOUSING:55N MAX.
RETENTION FORCE TO FEMALE HOUSING:30N MIN.

1	REAR COVER	PP-T30	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

Rev.0

ISH® (Horizontal Type-Hybrid) TERMINAL (Size 0.5 mm):

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



NOTE

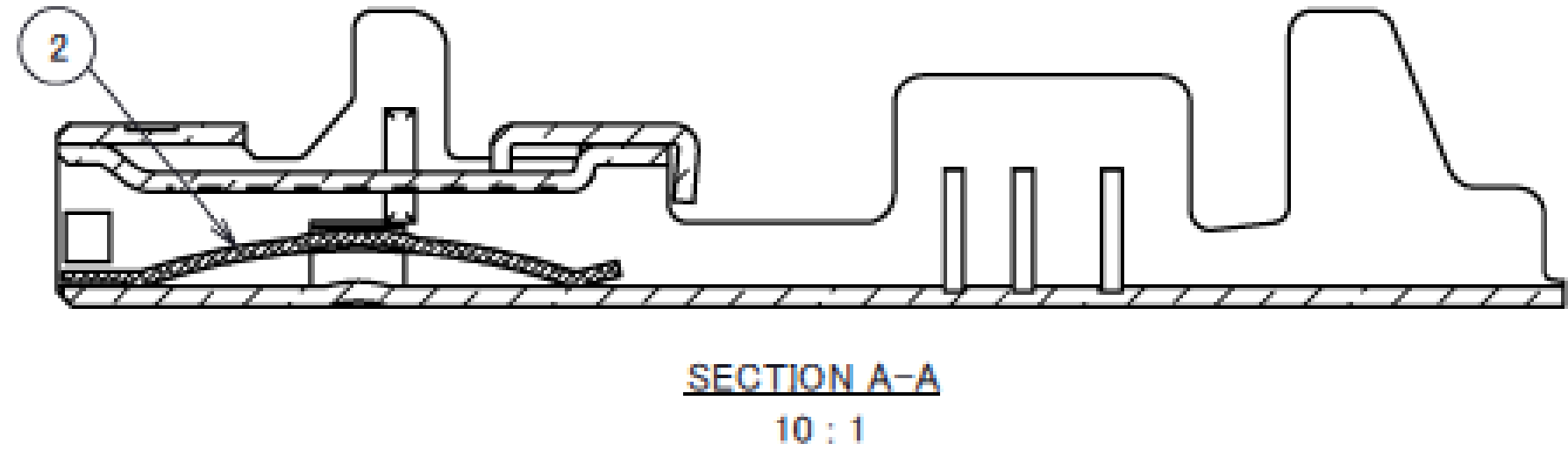
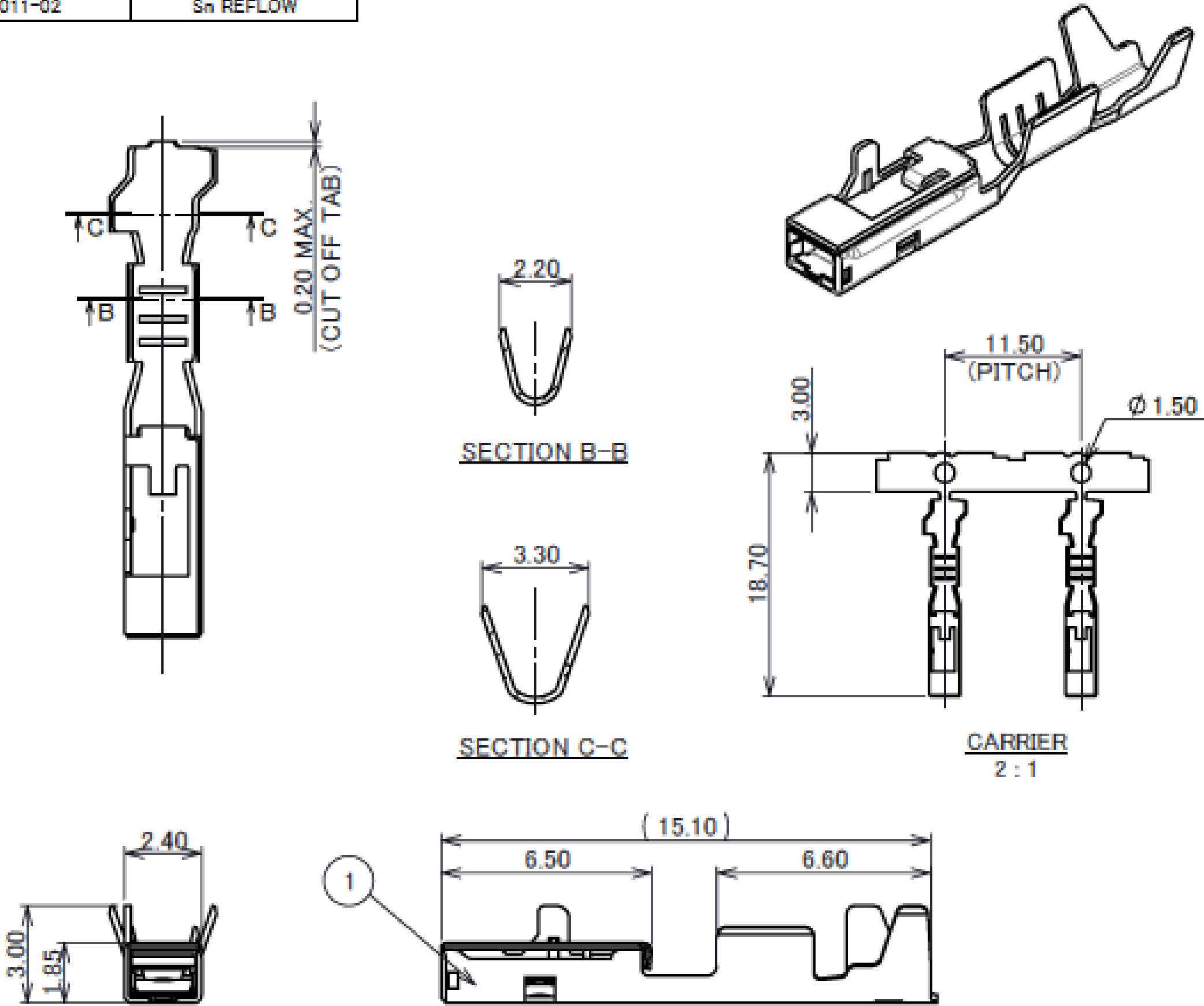
1. APPLICABLE FEMALE HOUSING: ISH CONNECTOR SERIES
2. APPLICABLE CABLE SIZE: 0.3mm² / 0.5mm² (FINISHED ϕ 1.60mm MAX.)
3. COMPLY WITH ELV/RoHS.
4. TERMINAL CRIMP SPECIFICATION MUST BE COMPLIANT WITH HANDLING MANUAL [HDM-0020].

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 : Sn REFLOW CONTACT AREA : Au PLATING CRIMPING AREA : Sn REFLOW
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

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ISH® (Horizontal Type-Hybrid) TERMINAL (Size 1.5 mm):

PART NO.	PLATING
VT011-02	Sn REFLOW



NOTE

1. APPLICABLE FEMALE HOUSING: ISH CONNECTOR SERIES
2. APPLICABLE CABLE SIZE: 0.5mm² (FINISHED ϕ 1.93mm MAX.)
3. COMPLY WITH ELV/RoHS.
4. TERMINAL CRIMP SPECIFICATION MUST BE COMPLIANT WITH HANDLING MANUAL [HDM-0021].

2	SPRING	COPPER ALLOY	PLATING : Sn REFLOW
1	BODY	BRASS	PLATING : Sn REFLOW
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

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Custom Connectors Available

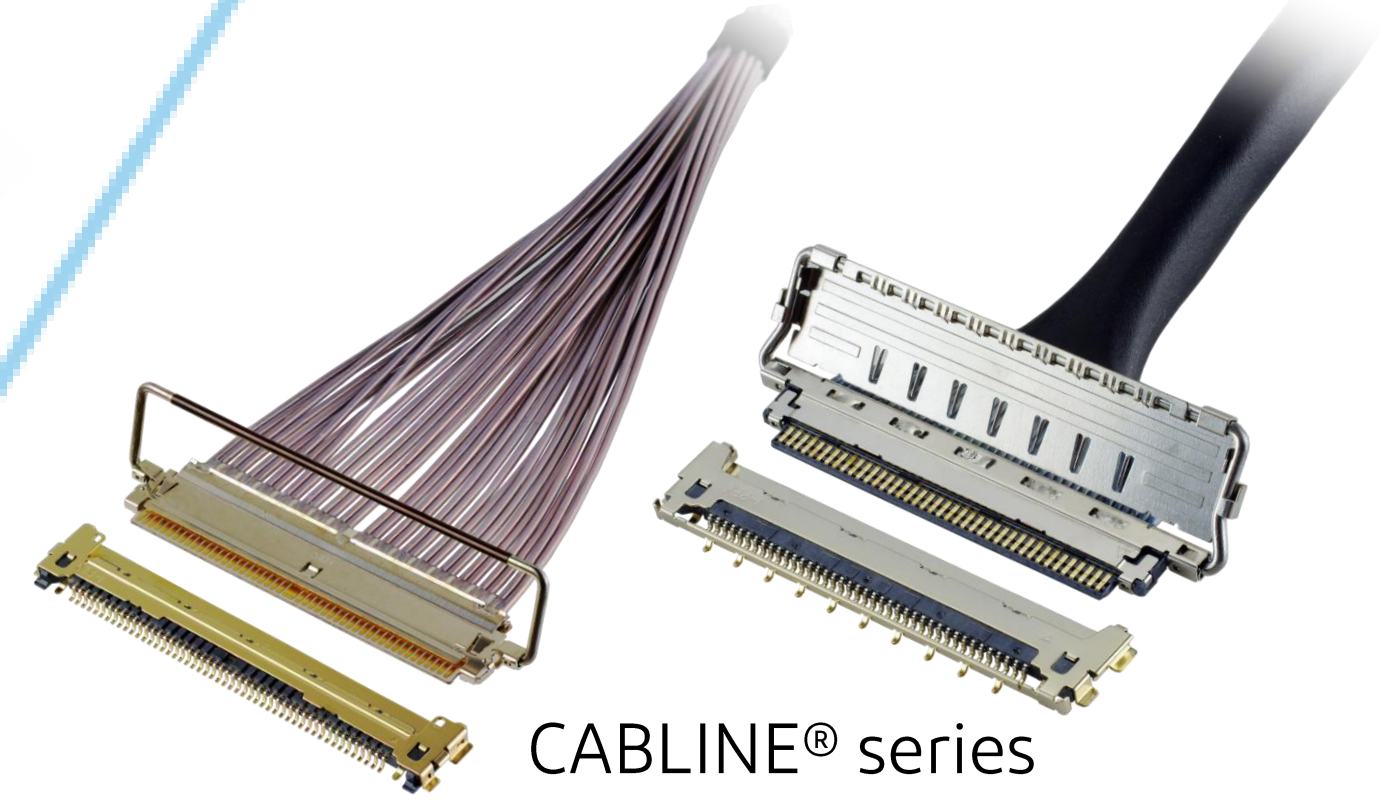


RF
Connectors

MHF® series



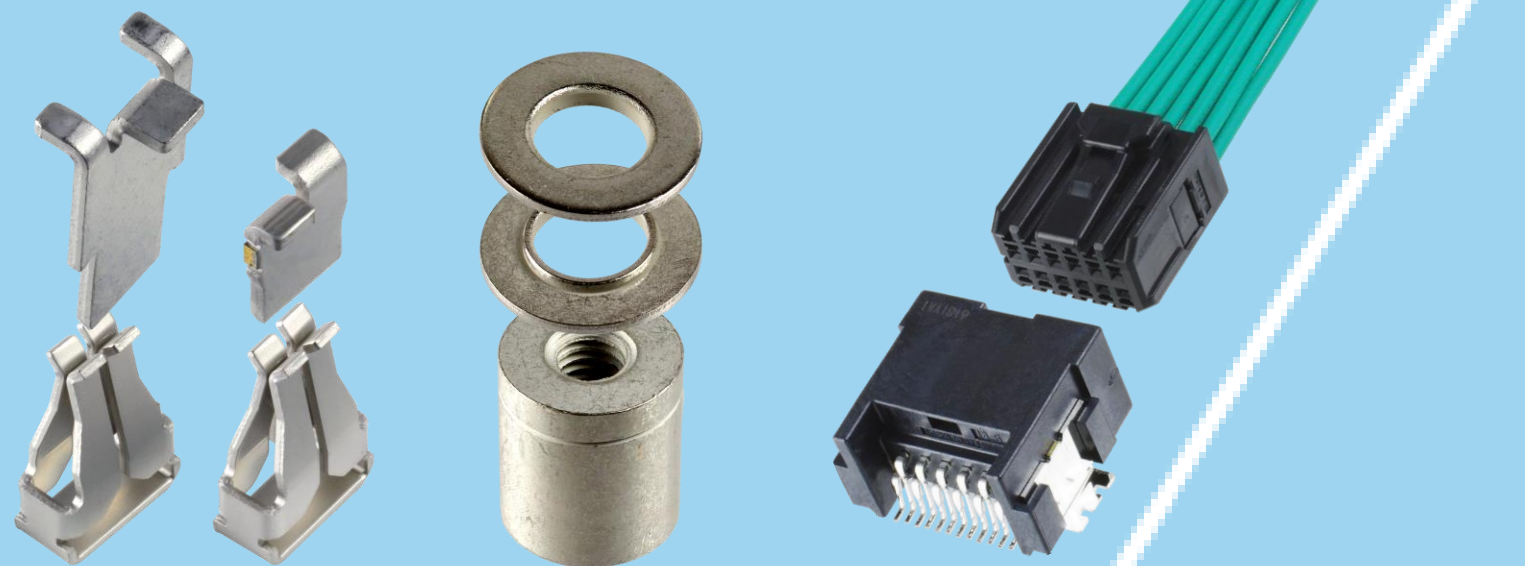
CABLINE® series
Micro-coaxial/Twinax
Connectors



Wire-to-Board
Connectors/
Terminals

AP series

ISH® series



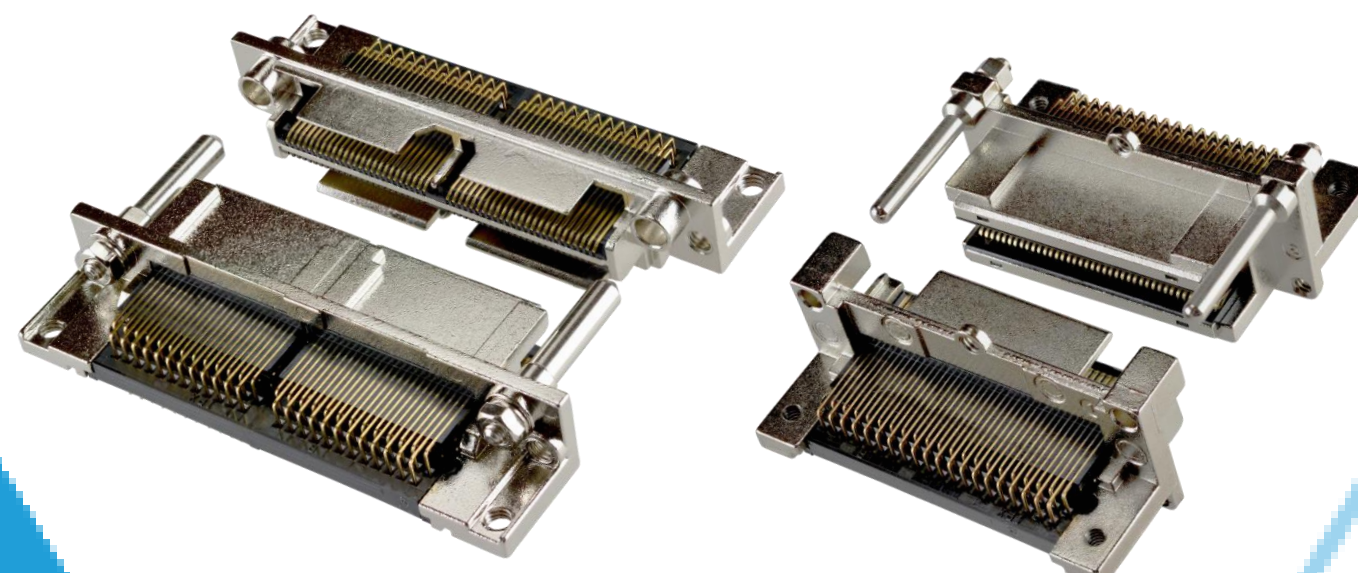
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series EVAFLEX® series



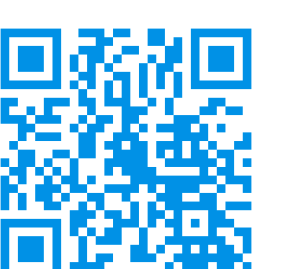
Inquiry



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