

ISH[®] (Wire-to-Wire Type)

耐热, 耐振, 线对线继电器连接器

Product Specifications:		Single-row	Double-row
Pitch (mm max.)		2.0	
Contact Size (mm)		0.5 × 0.4(020)	
Mated Height (mm max.)		8.00	11.70
Width formula (mm)		4.9+2.0*?pin	5.3+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 40	Up to 40
	Available	3	8

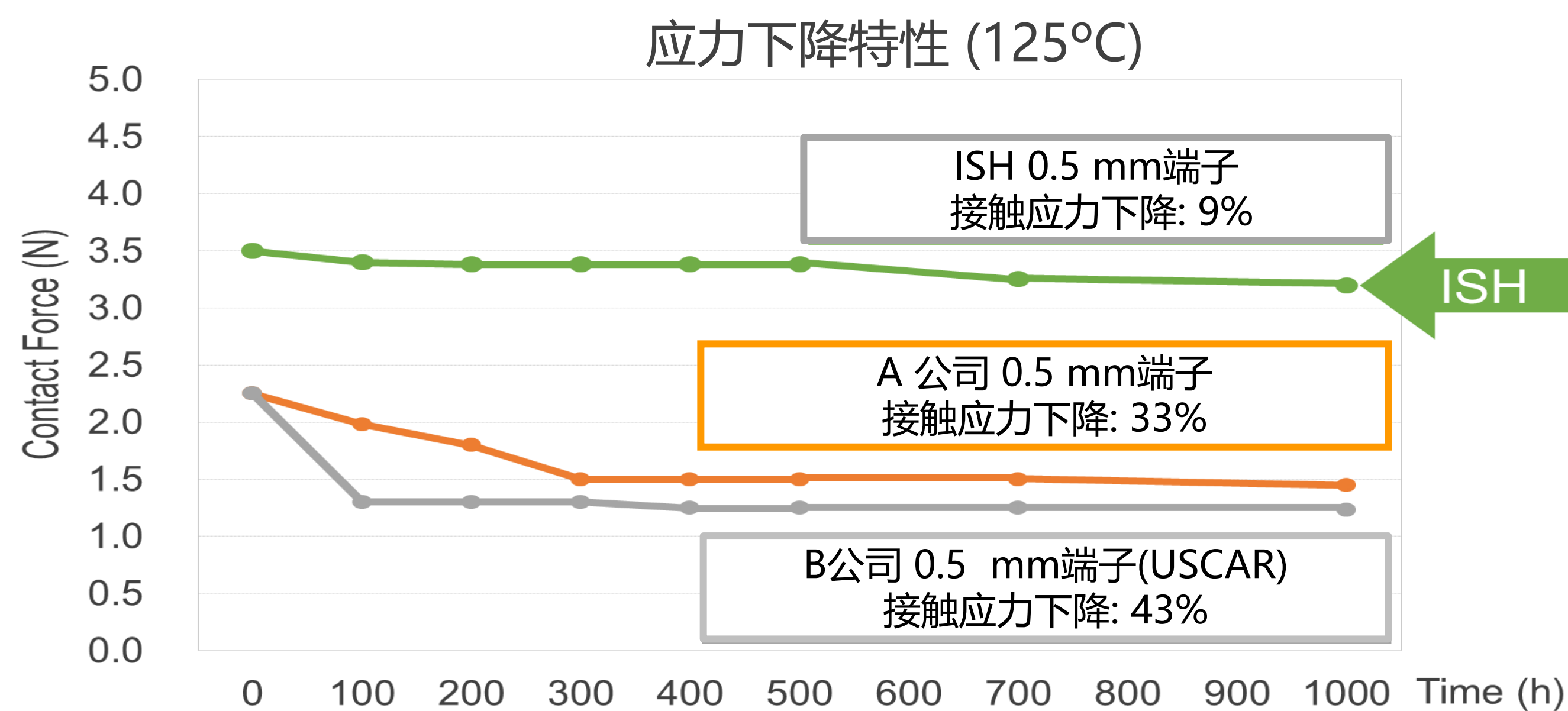
Applicable Cable Size:

AWG#22,#20 *Insulation Diameter 1.6 mm max.

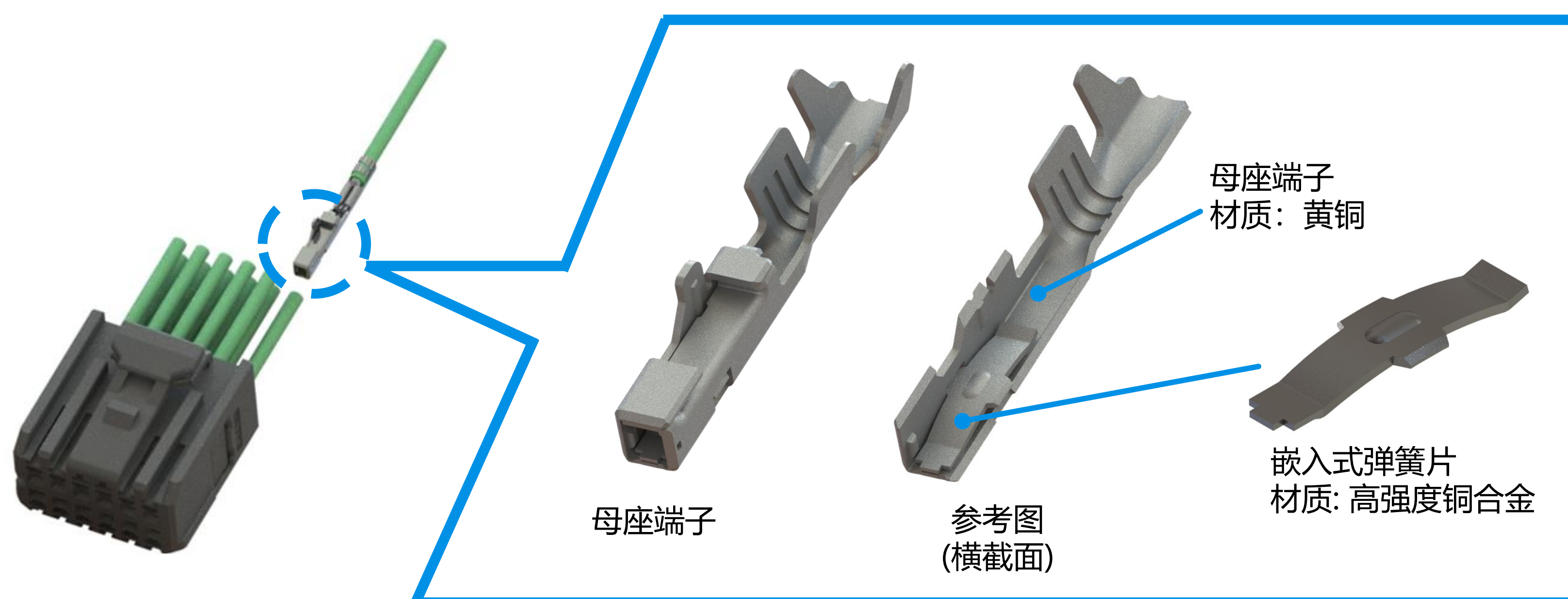
*如您需要了解未列出或不在范围内的Pin数, 请咨询我们。



► 高耐热性和抗振动性, 适用于高接触可靠性应用



► 独特的嵌入式弹簧接线端子, 提供长期稳定的电气连接



► 提供符合 USCAR-2 标准的选项, 专为汽车和工业级应用而设计

汽车应用



- 前照灯和其他车灯
- 逆变器和DC/DC转换器
- 蓄电池控制模块
- 前/后视摄像头控制模块
- 仪表盘

非汽车应用



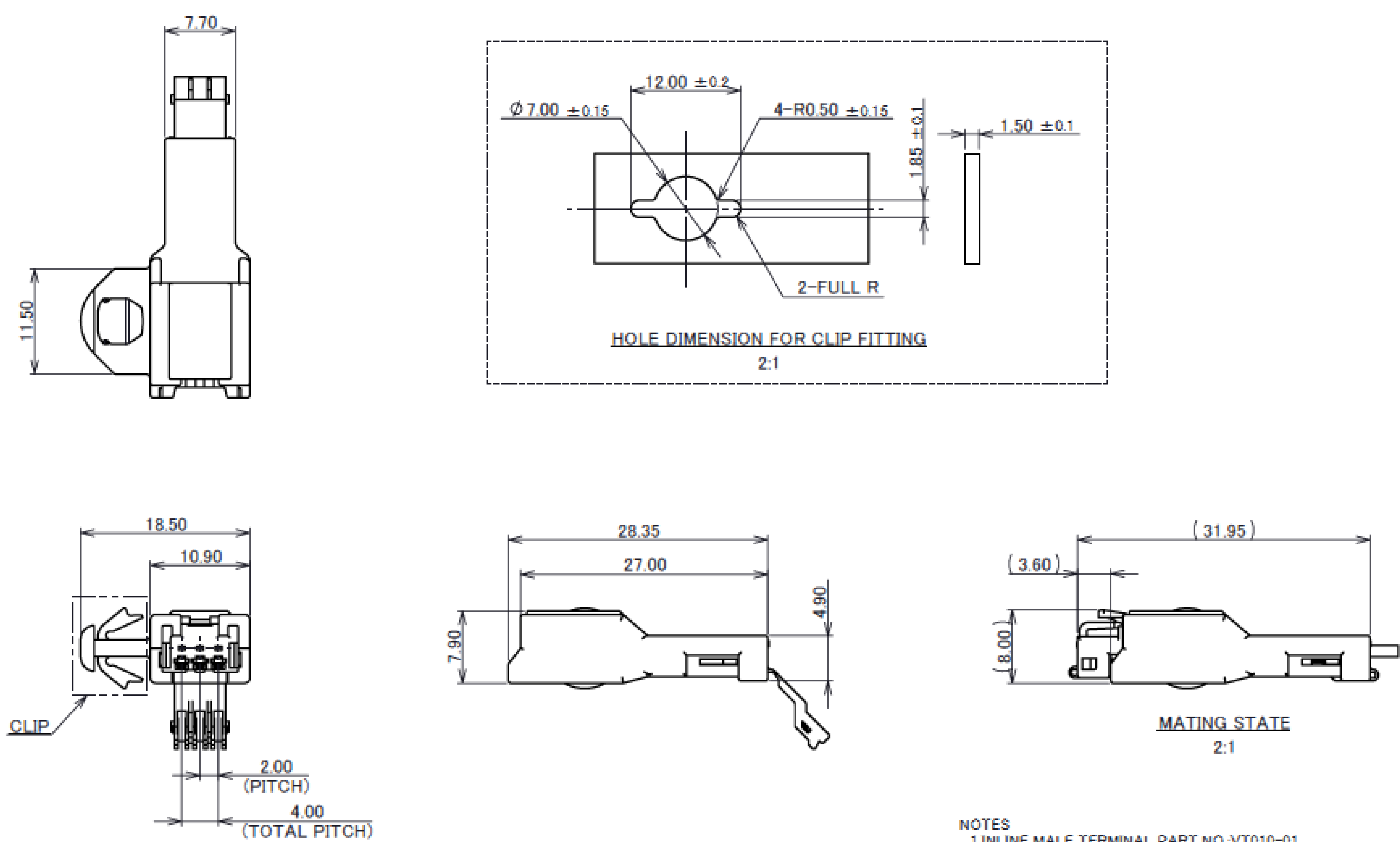
- 越野车辆 (ATV/UTV、QUADS、三轮车)
- 卡车和建筑机械 (挖掘机、装载机)
- 工厂自动化设备

适用于需要符合USCAR-2标准的应用
请访问[我们的网站](#)了解符合USCAR-2标准的料号。

Component Parts Details

ISH® (Wire-to-Wire Type) MALE (SINGLE ROW):

PART NO.
V0112-91003-01



- NOTES
- 1. INLINE MALE TERMINAL PART NO.:VT010-01
 - 2. FEMALE CONNECTOR
 - 3. FEMALE HOUSING PART NO.:V0113-91003-01
 - 4. FEMALE TERMINAL PART NO.:VT009-02
 - 5. COMPLY WITH ELV/RoHS
 - 6. HANDLE THE PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0024]

1	MALE HOUSING	PBT	BLACK/UL94HB
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

ISH® (Wire-to-Wire Type) MALE (DOUBLE ROWS):

PART NO.	KEY CODING
V0031-008B-201	KEY CODING-A
V0031-008B-202	KEY CODING-B

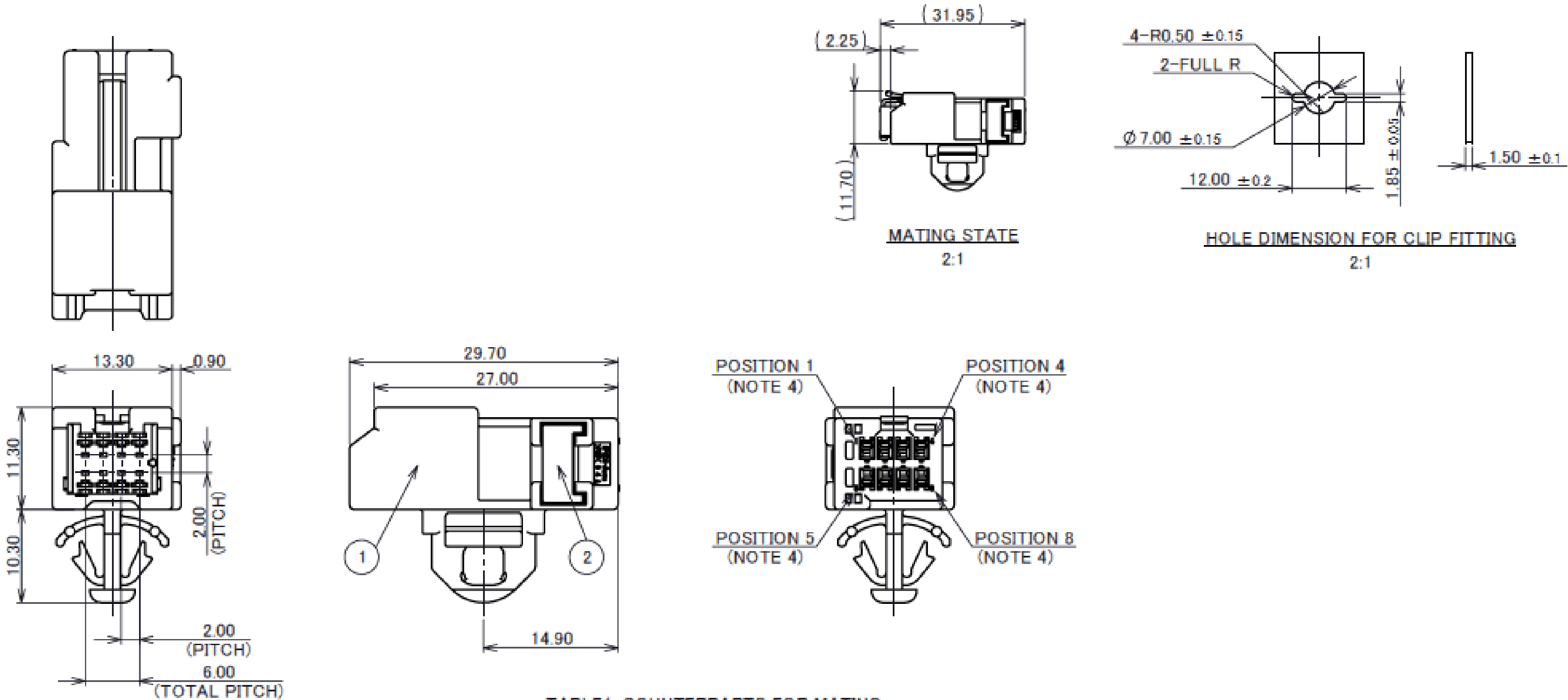


TABLE1. COUNTERPARTS FOR MATING

KEY CODING	MALE CONNECTOR		FEMALE CONNECTOR					
	PART NO.	COLOR	FEMALE HOUSING		FEMALE RETAINER		FEMALE TERMINAL	
KEY CODING-A	V0122-008B-01	MALE HOUSING: BLACK MALE RETAINER: BLACK	V0116-91008-02	BLACK	V0116-92008-01	BLACK	VT009-02	Sn REFLOW
					V0116-91008-12			
KEY CODING-B	V0122-008B-11	MALE HOUSING: NATURAL MALE RETAINER: BLACK	V0116-91008-12	NATURAL				

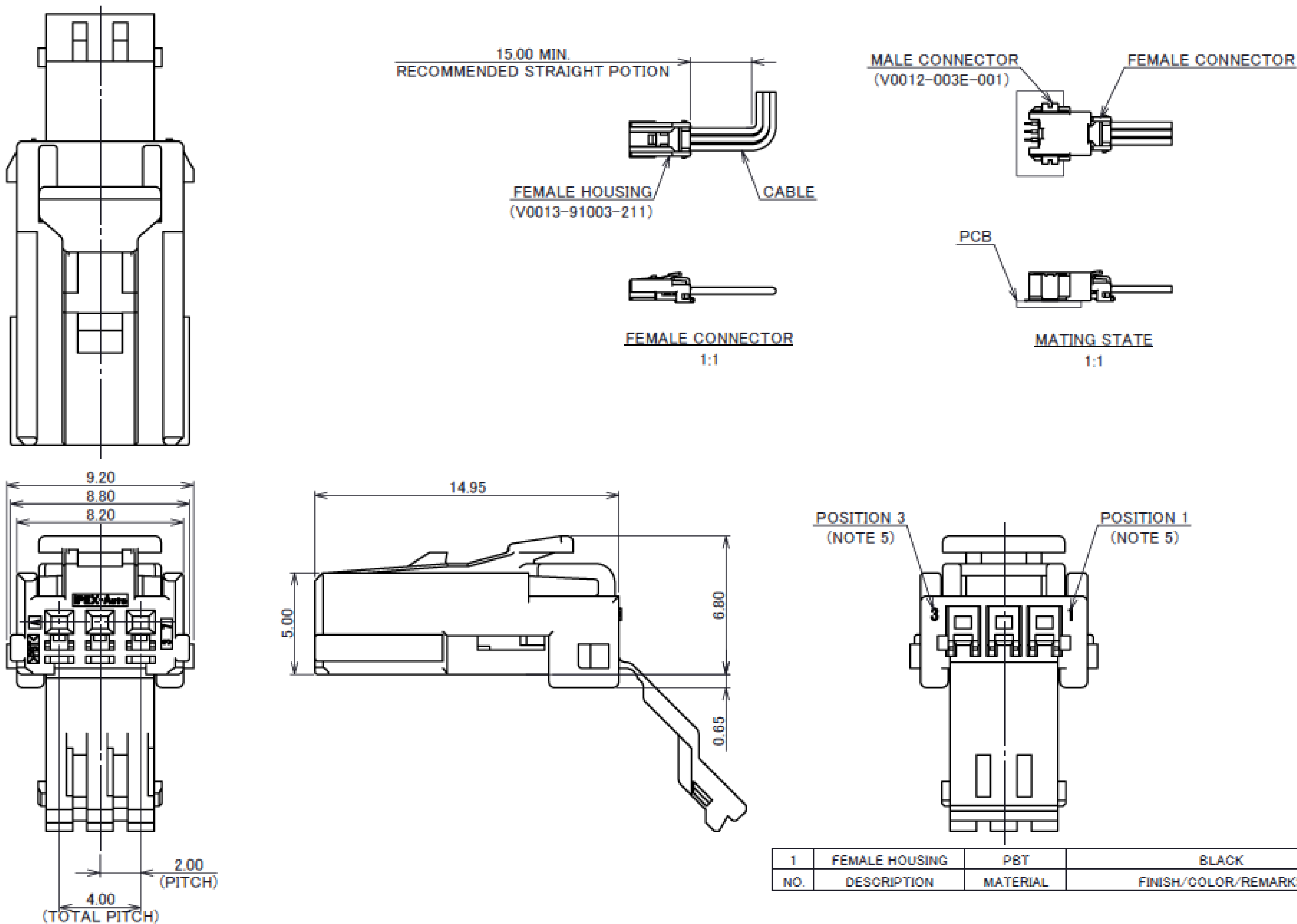
2	MALE RETAINER	GLASS-FILLED PBT	BLACK
1	MALE HOUSING	PBT	BLACK, NATURAL
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

- NOTES
- 1.APPLICABLE PART NO.:
 - MALE TERMINAL---VT010-01
 - FEMALE CONNECTOR---IT IS SHOWN IN TABLE 1.
 - 2.COMPLY WITH ELV / RoHS.
 - 3.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0022】
 - 4.POSITION NUMBERS ARE INDICATED.

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ISH® (Wire-to-Wire Type) FEMALE (SINGLE ROW):

PART NO.	LOCK TYPE	KEY CODING	COLOR	FOR REAR COVER
V0113-91003-01	NORMAL ROCK	-	BLACK	N/A

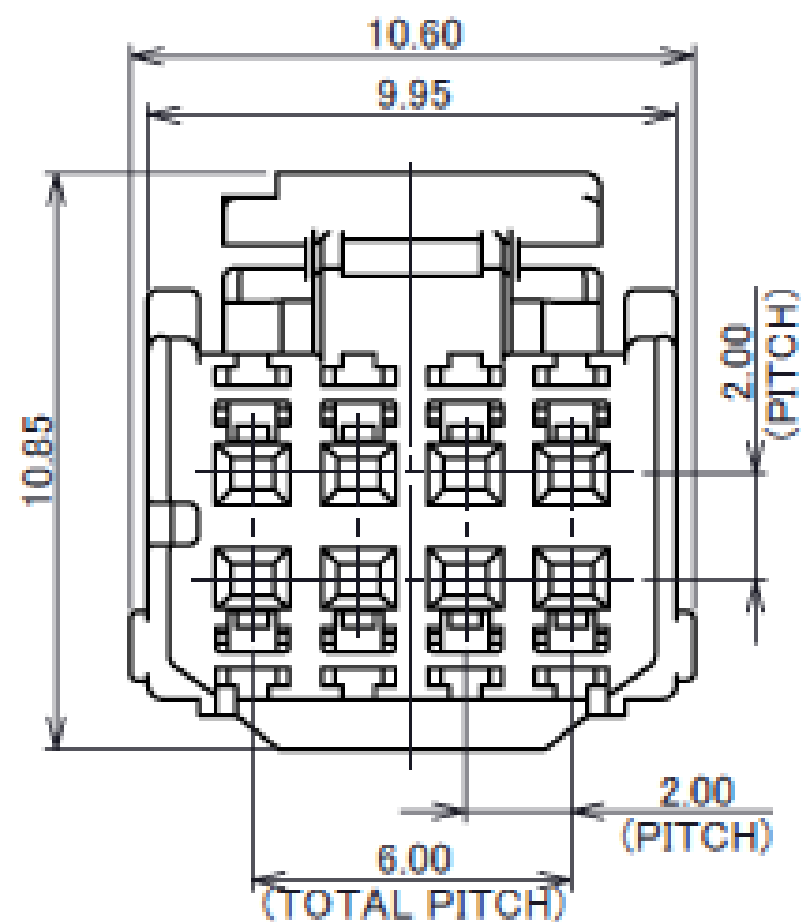
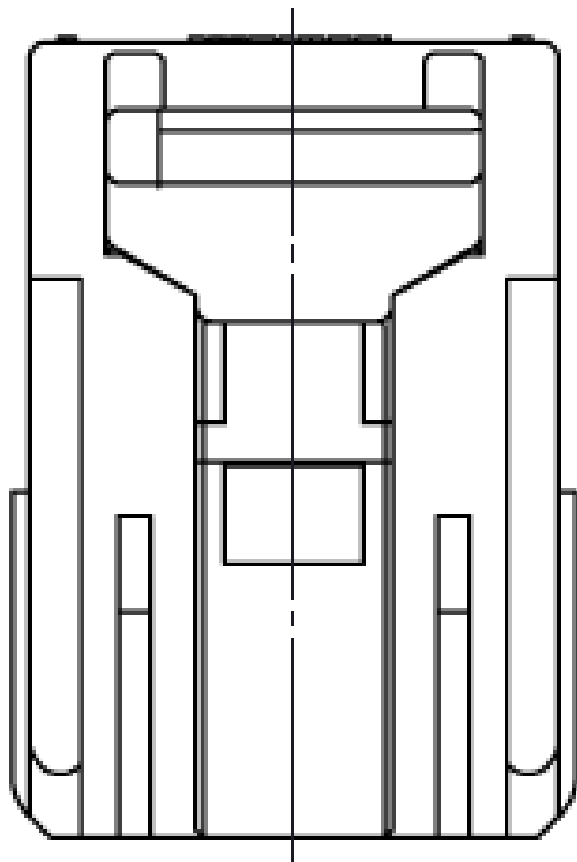


- NOTES
- 1.APPLICABLE PART NO.:
 - FEMALE TERMINAL --- VT009-02
 - CABLE COVER --- V0113-93003-01
 - 2.MATERIAL: PBT
 - 3.COMPLY WITH ELV/RoHS.
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL 【HDM-0020】
 - 5.POSITION NUMBERS ARE INDICATED.

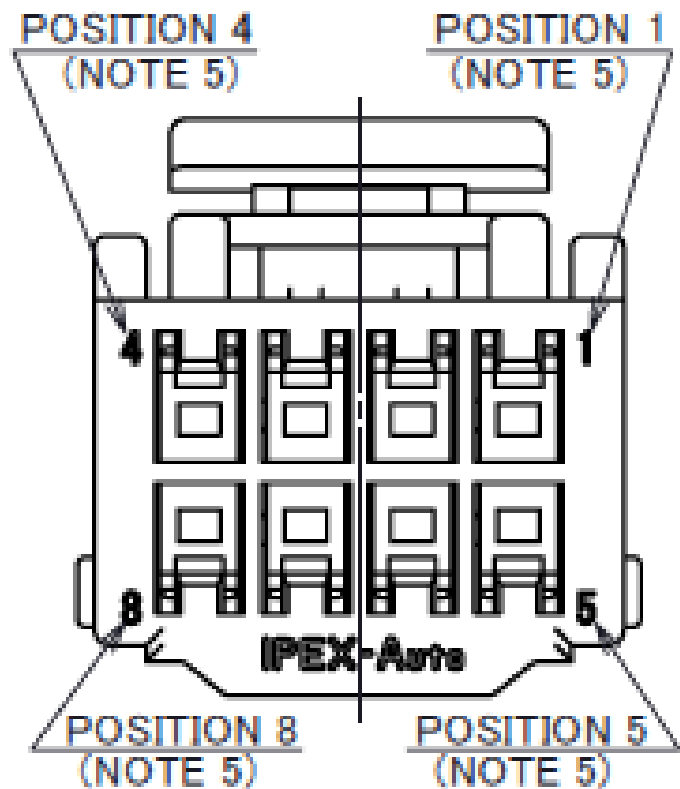
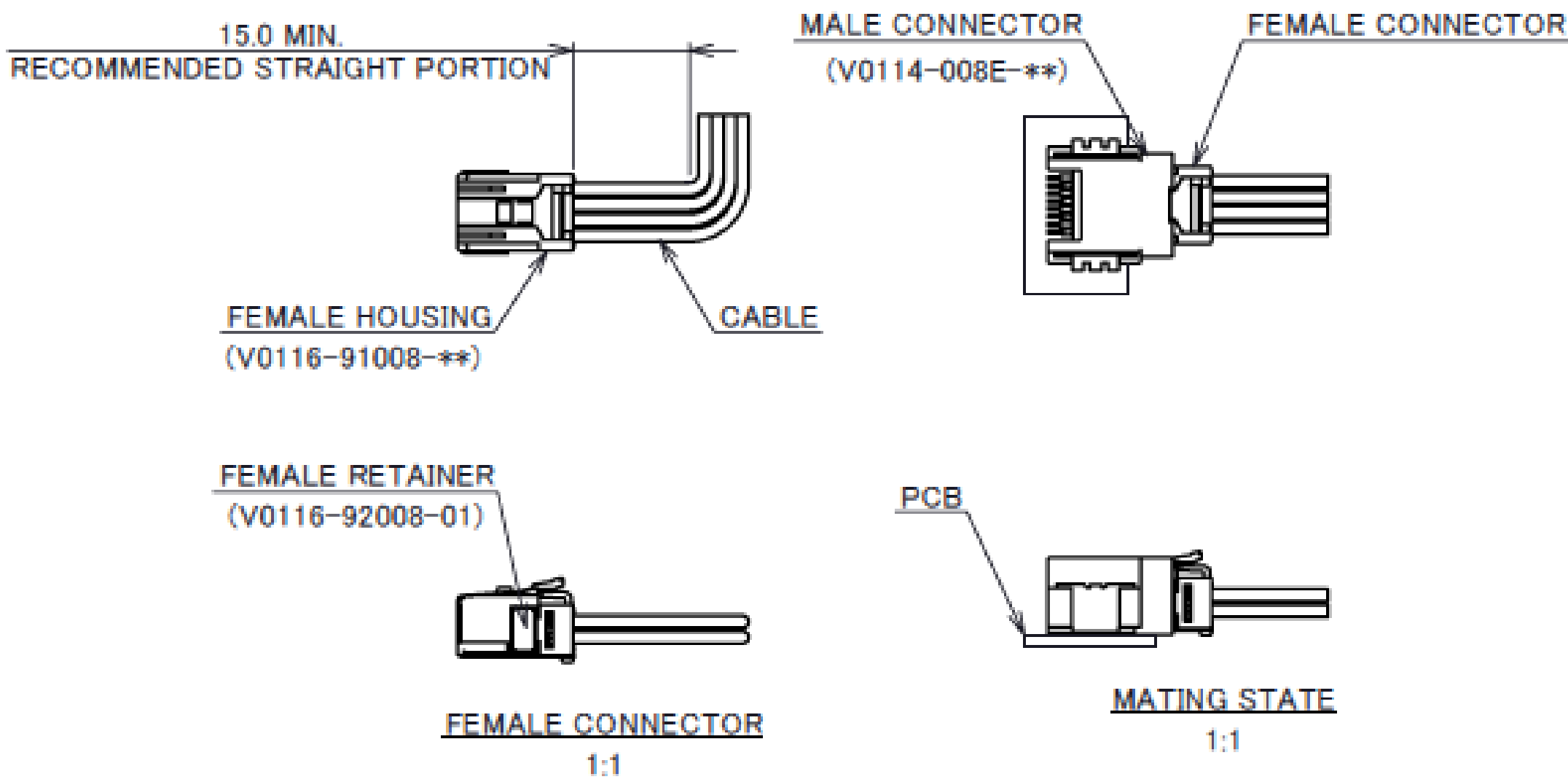
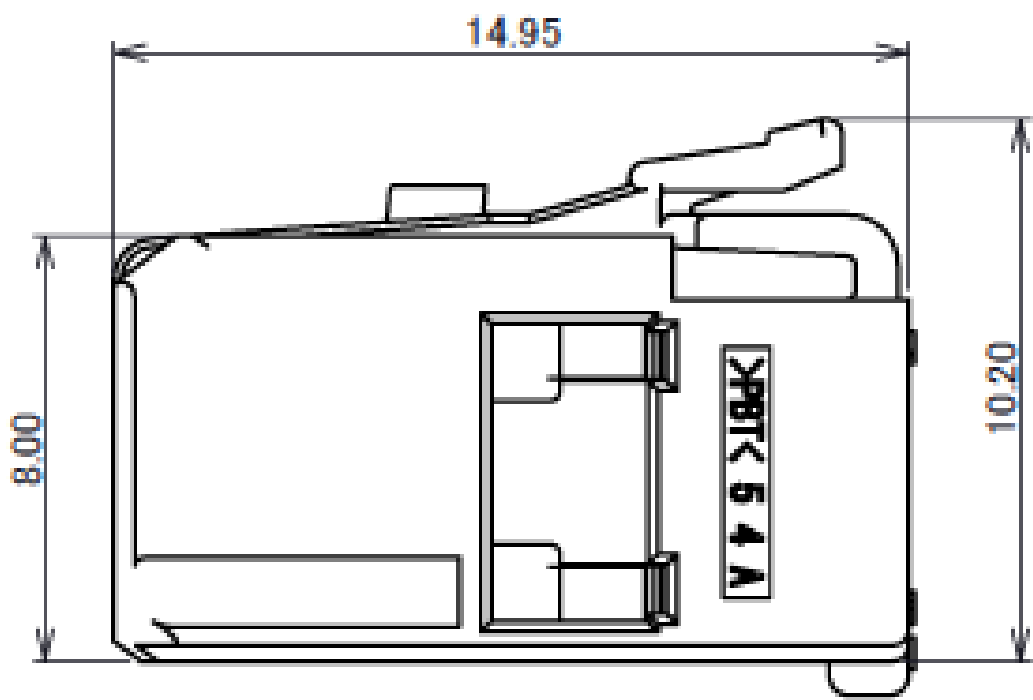
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ISH® (Wire-to-Wire Type) FEMALE (DOUBLE ROWS):

PART NO.	LOCK TYPE	KEY CODING	COLOR	FOR REAR COVER
V0116-91008-02	INERTIA LOCK	KEY CODING-A	BLACK	N/A
V0116-91008-03				APPLICABLE
V0116-91008-12		KEY CODING-B	NATURAL	N/A
V0116-91008-22		KEY CODING-C	BLACK	
V0116-91008-32		KEY CODING-D	NATURAL	



PART NO.: V0116-91008-02



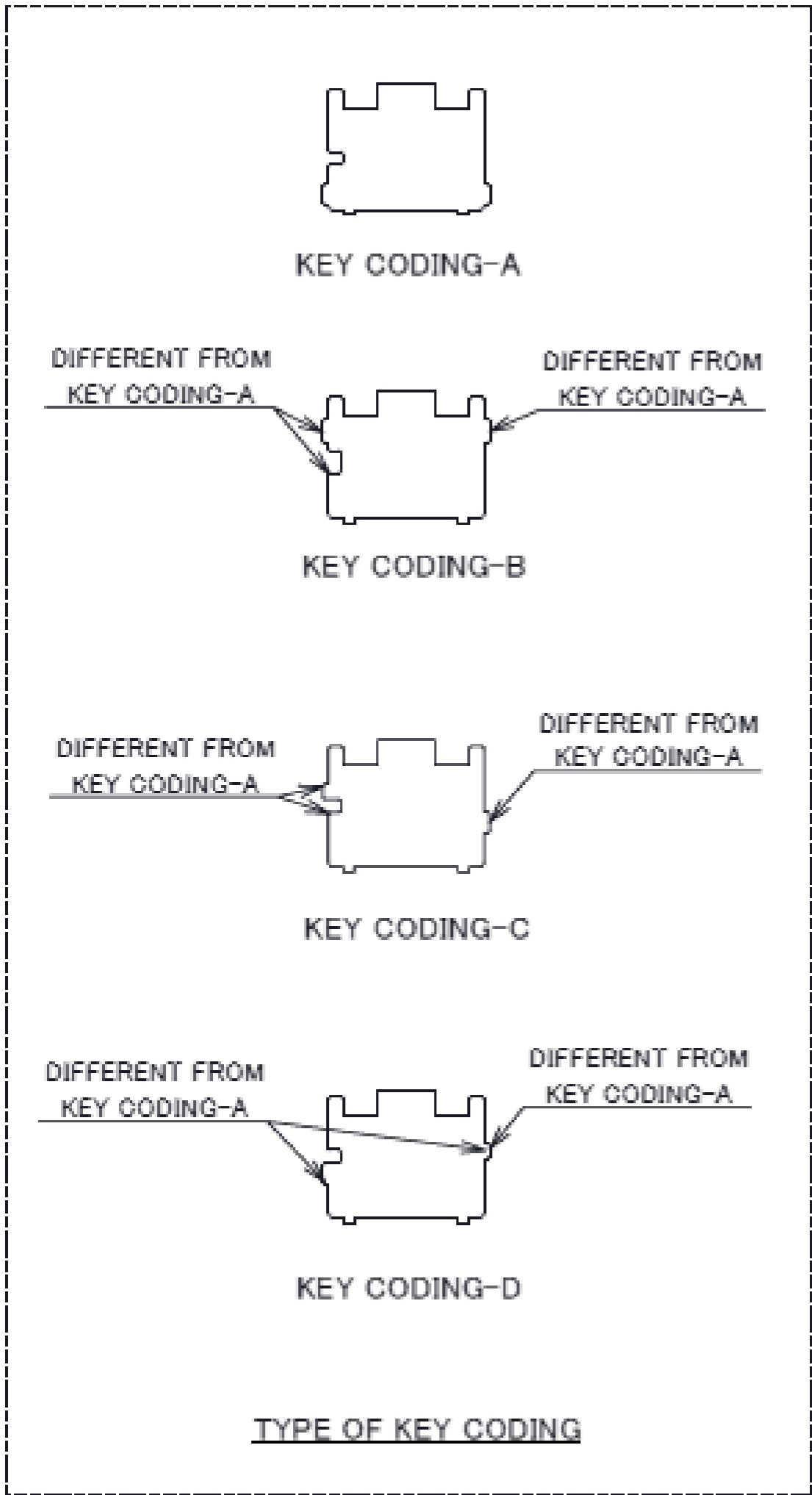
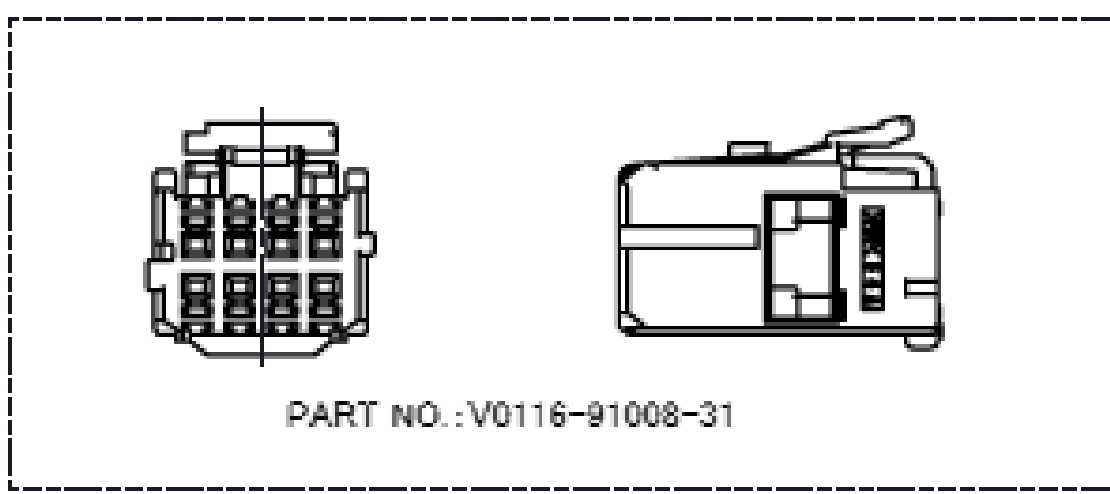
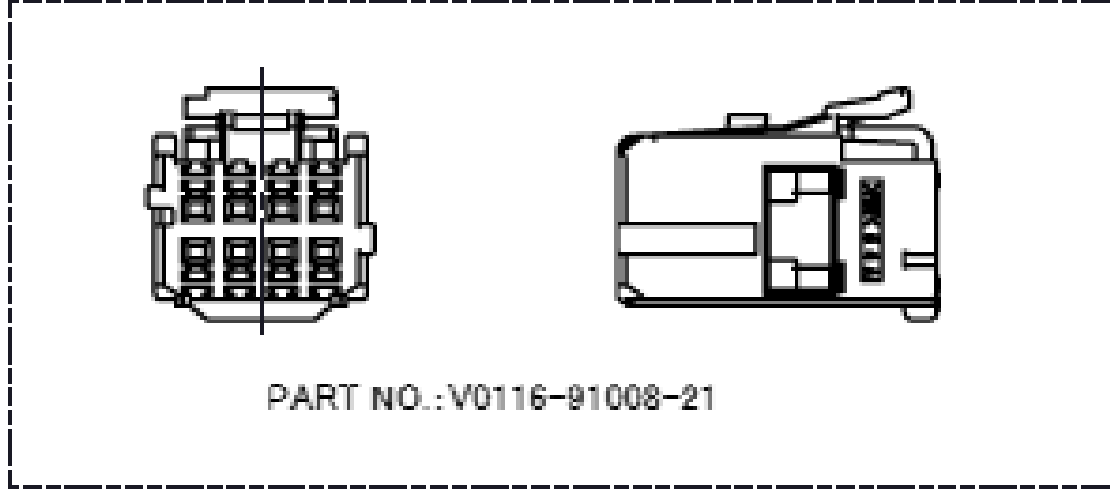
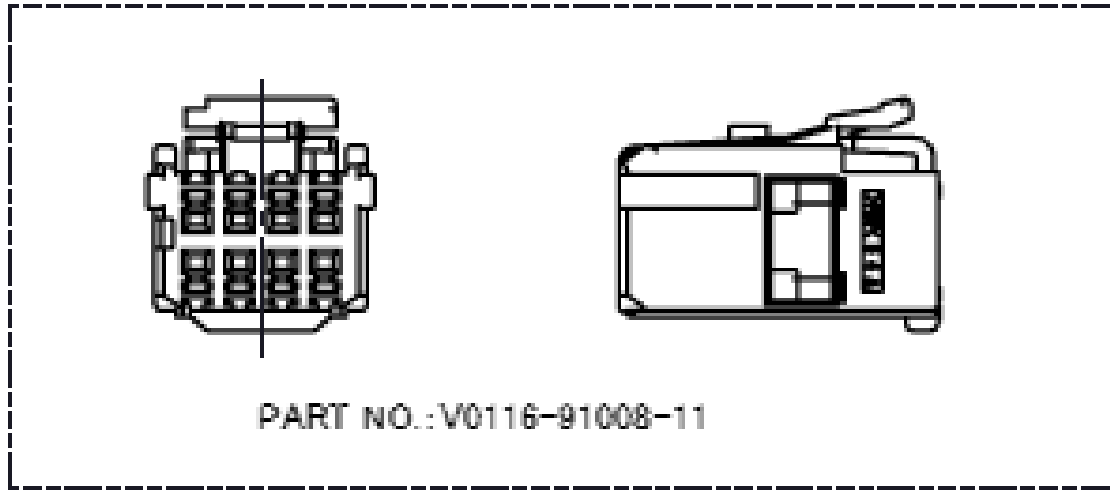
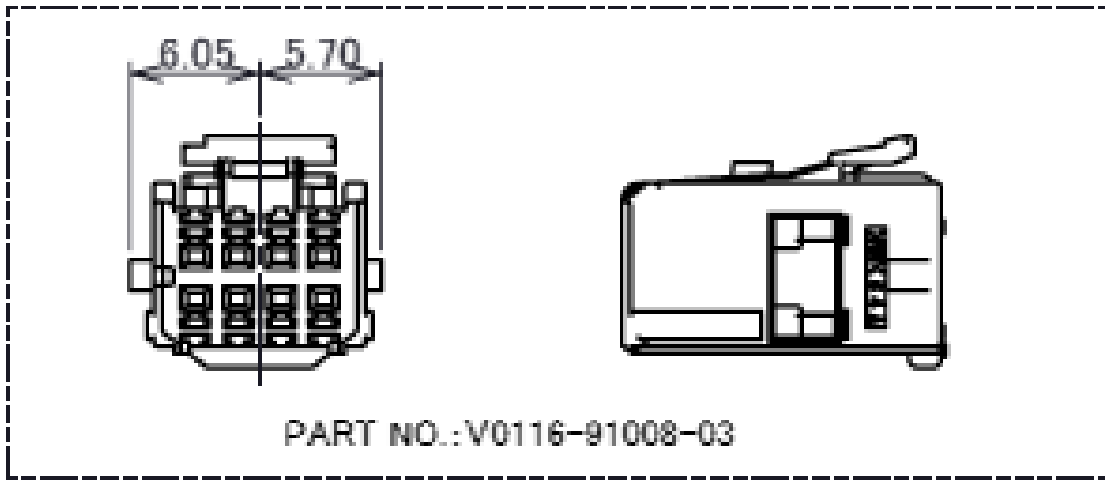
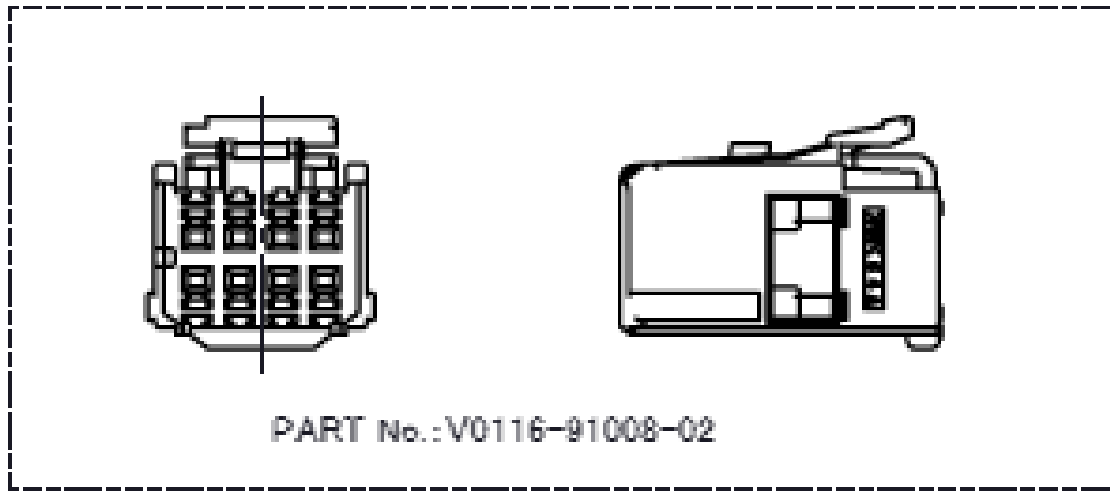
1	MALE HOUSING	PBT	BLACK, NATURAL
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

- NOTES
- 1.APPLICABLE PART NO.:
 - FEMALE TERMINAL --- VT009-02
 - FEMALE RETAINER --- V0116-92008-01
 - REAR COVER---V0116-94008-01
 - 2.MATERIAL:PBT
 - 3.COMPLY WITH ELV/REHS.
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】
 - 5.POSITION NUMBERS ARE INDICATED.

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ISH® (Wire-to-Wire Type) FEMALE (DOUBLE ROWS):

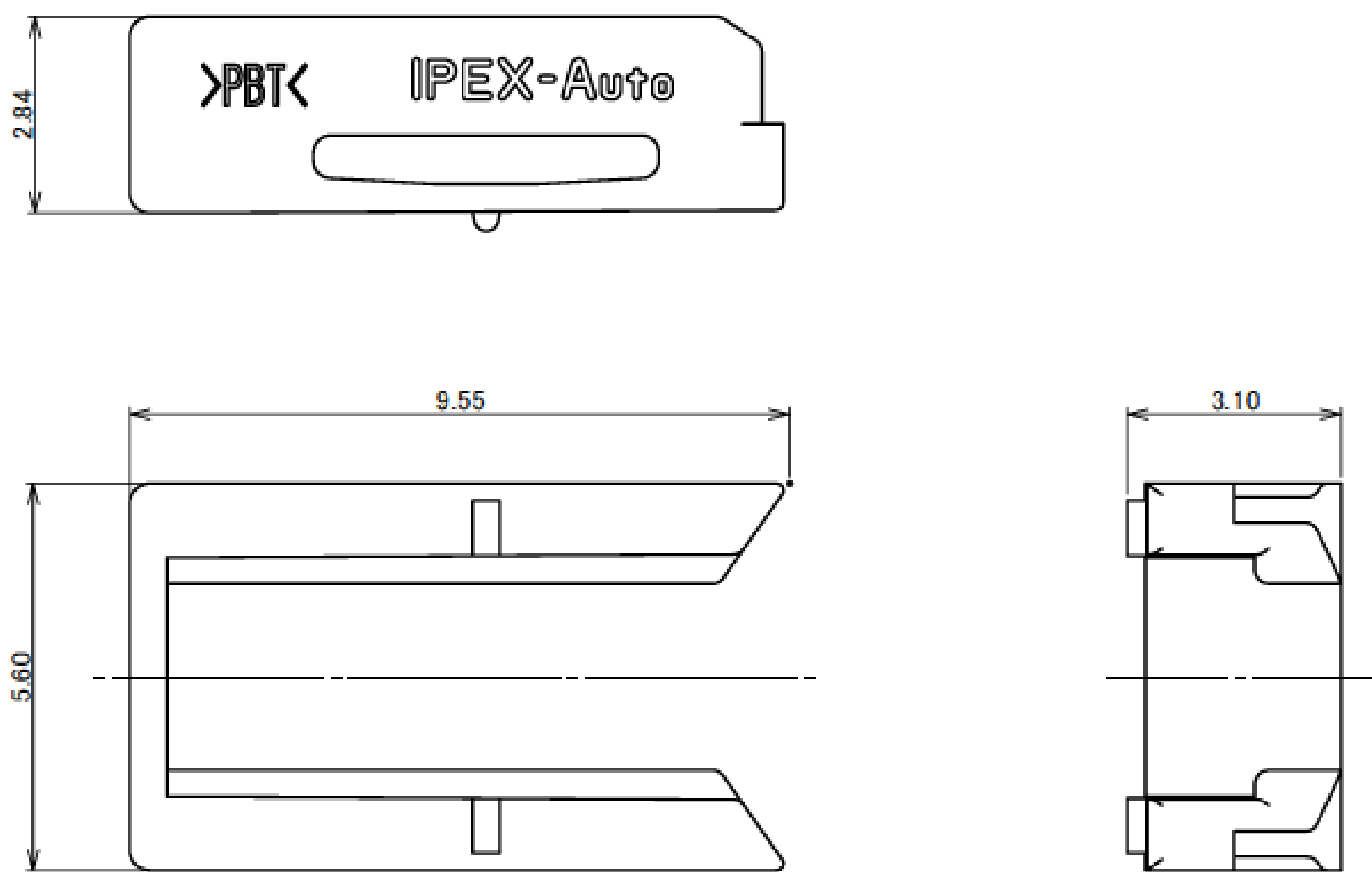
PART NO.	LOCK TYPE	KEY CODING	COLOR	FOR REAR COVER
V0116-91008-02	INERTIA LOCK	KEY CODING-A	BLACK	N/A
V0116-91008-03				APPLICABLE
V0116-91008-12		KEY CODING-B	NATURAL	N/A
V0116-91008-22		KEY CODING-C	BLACK	
V0116-91008-32		KEY CODING-D	NATURAL	



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ISH® (Wire-to-Wire Type) FEMALE RETAINER (DOUBLE ROWS):

PART NO.
V0116-92008-01



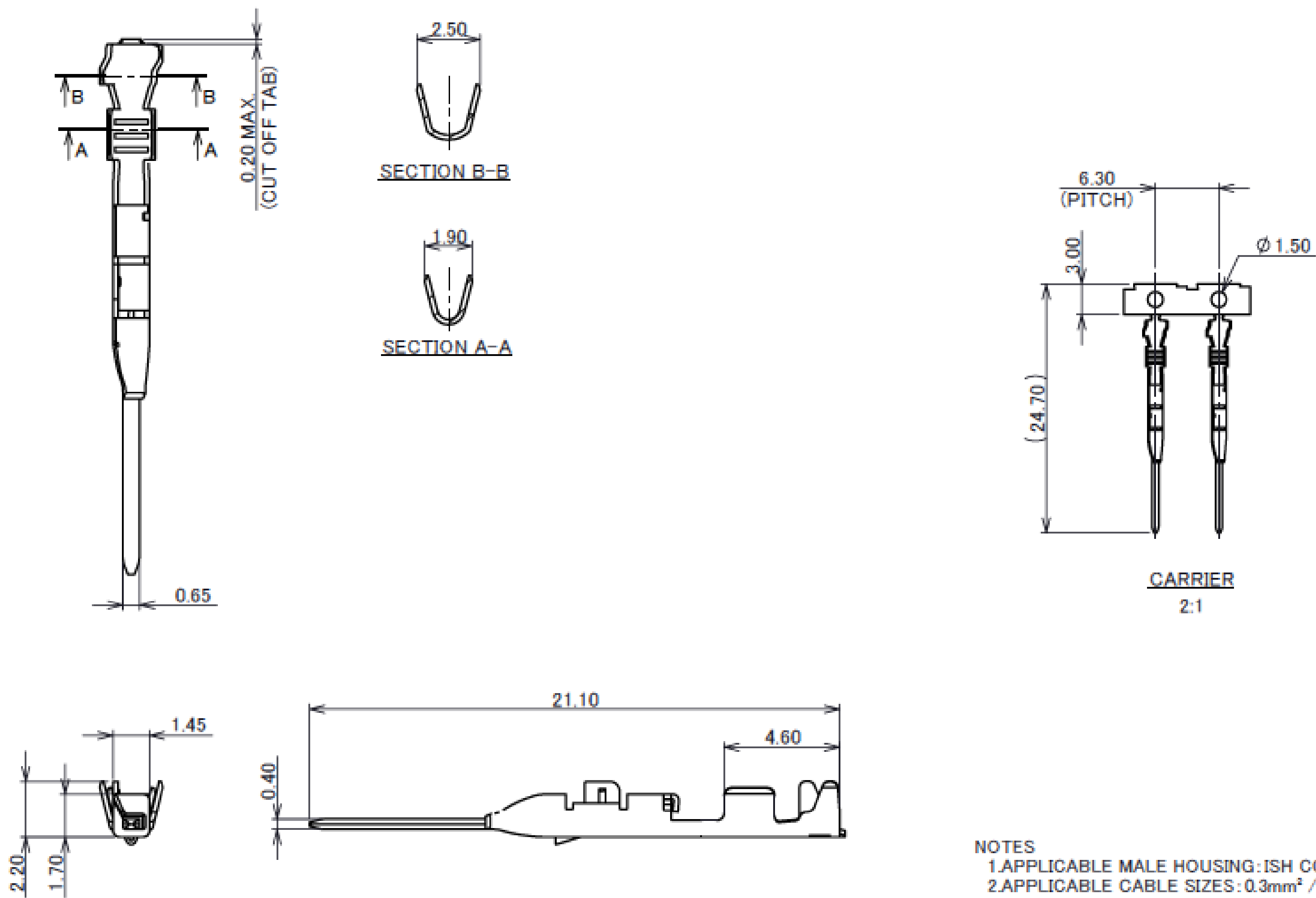
- NOTES
- 1.APPLICABLE PART NO.:
·FEMALE HOUSING···V0116-91008-**
V0119-91008-01
 - 2.MATERIAL: PBT
 - 3.COMPLY WITH ELV/RoHS.
 - 4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL [HDM-0020]

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

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ISH® (Wire-to-Wire Type) TERMINAL (for MALE):

PART NO.	PLATING
VT010-01	Sn REFLOW



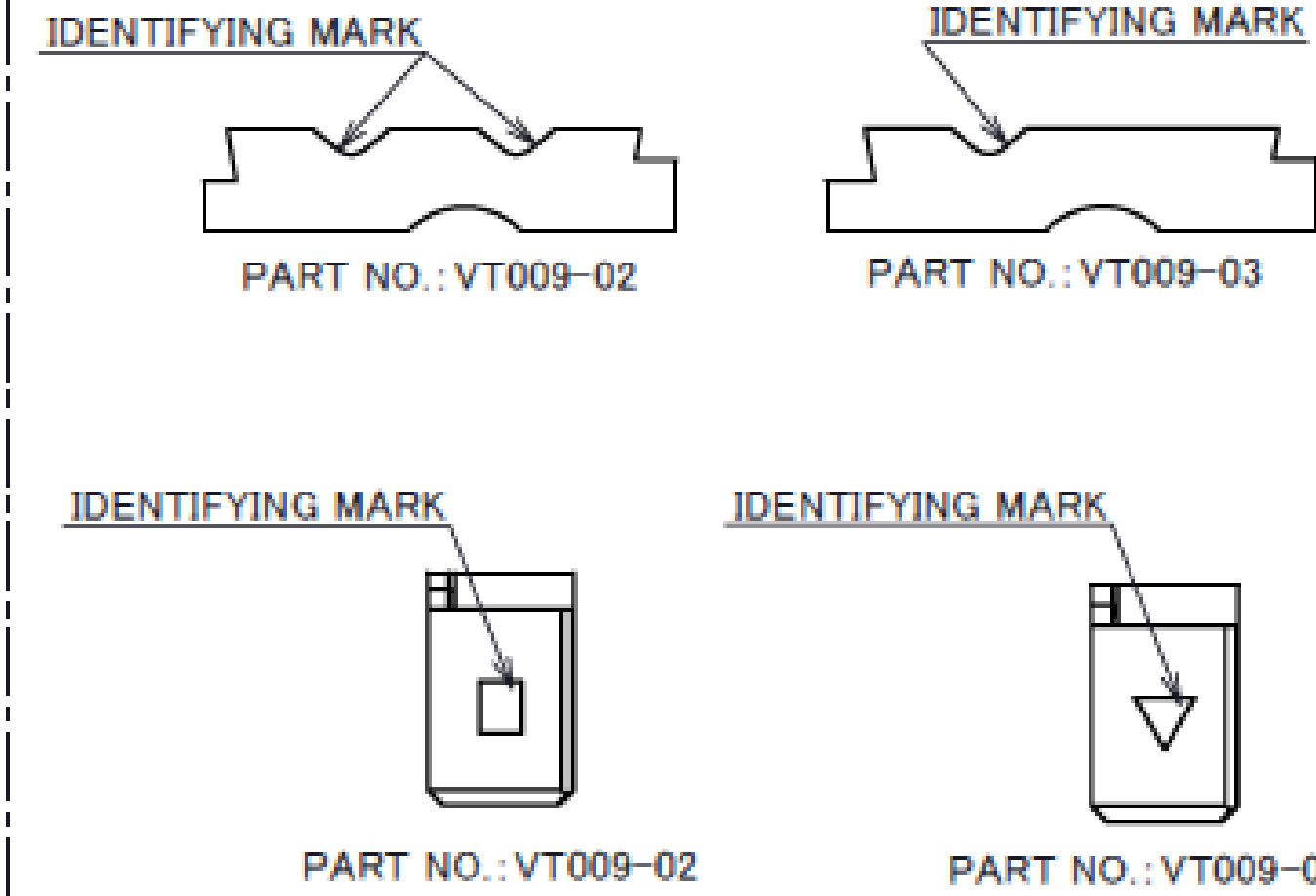
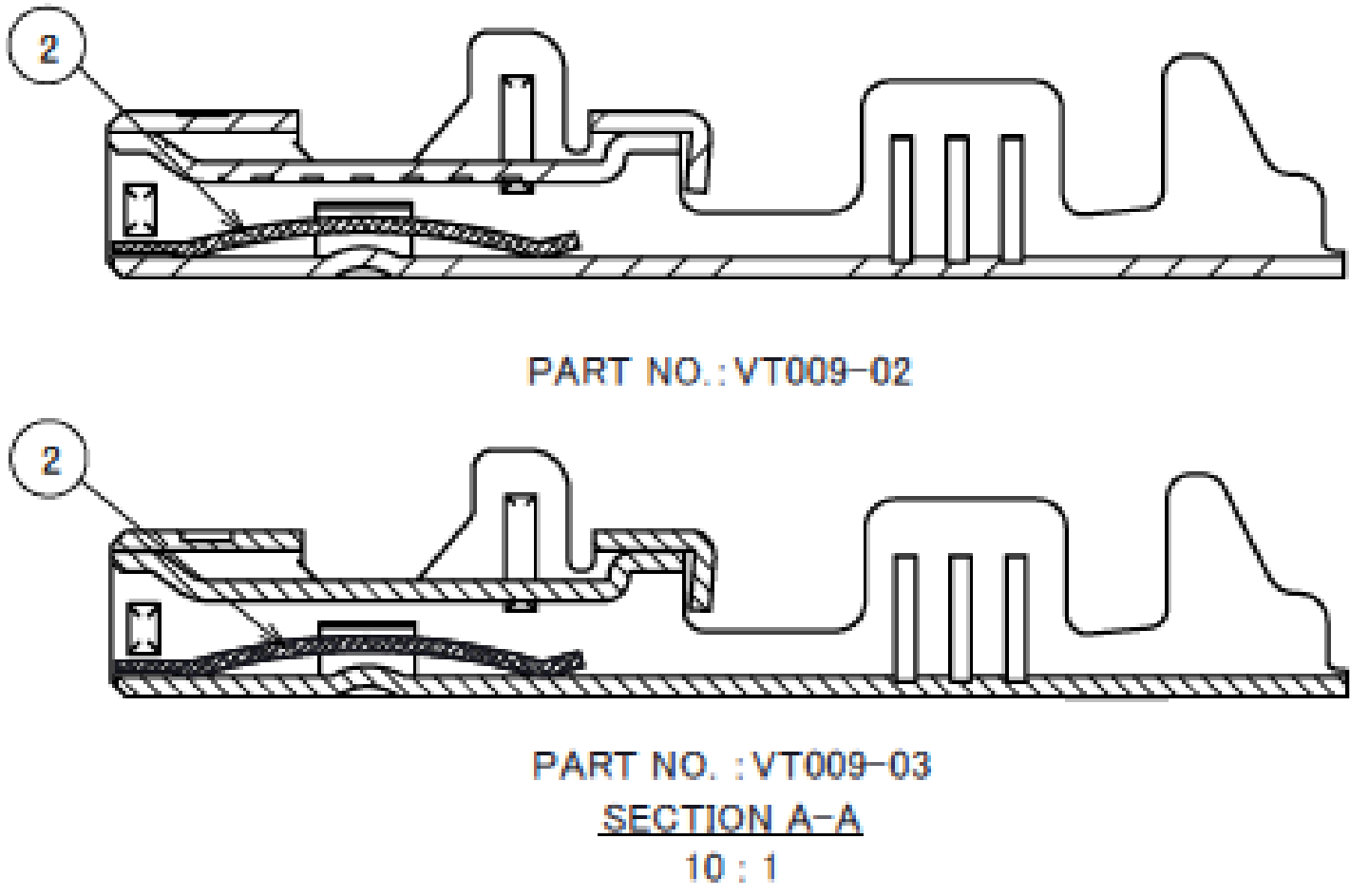
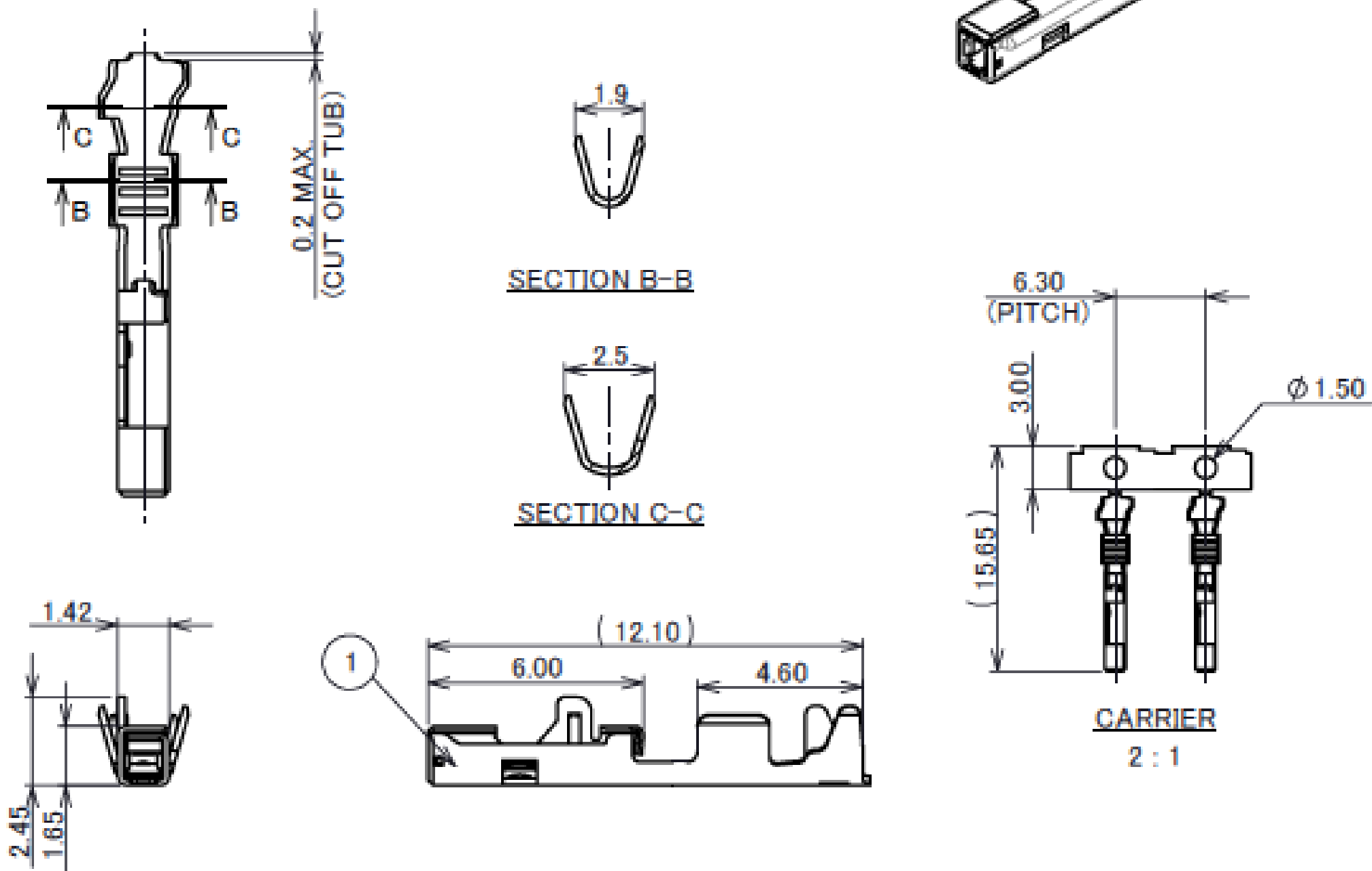
- NOTES
- 1.APPLICABLE MALE HOUSING: ISH CONNECTOR SERIES
 - 2.APPLICABLE CABLE SIZES: 0.3mm² / 0.5mm² (FINISHED ϕ 1.60mm MAX.)
 - 3.MATERIAL: BRASS
PLATING: Sn REFLOW
 - 4.COMPLY WITH ELV/RoHS.
 - 5.TERMINAL CRIMP SPECIFICATION MUST BE COMPLIANT WITH
HANDLING MANUAL [HDM-0022].[HDM-0024]

1	MALE TERMINAL	BRASS	PLATING: Sn REFLOW
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

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ISH[®] (Wire-to-Wire Type) TERMINAL (for FEMALE):

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

Custom Connectors Available

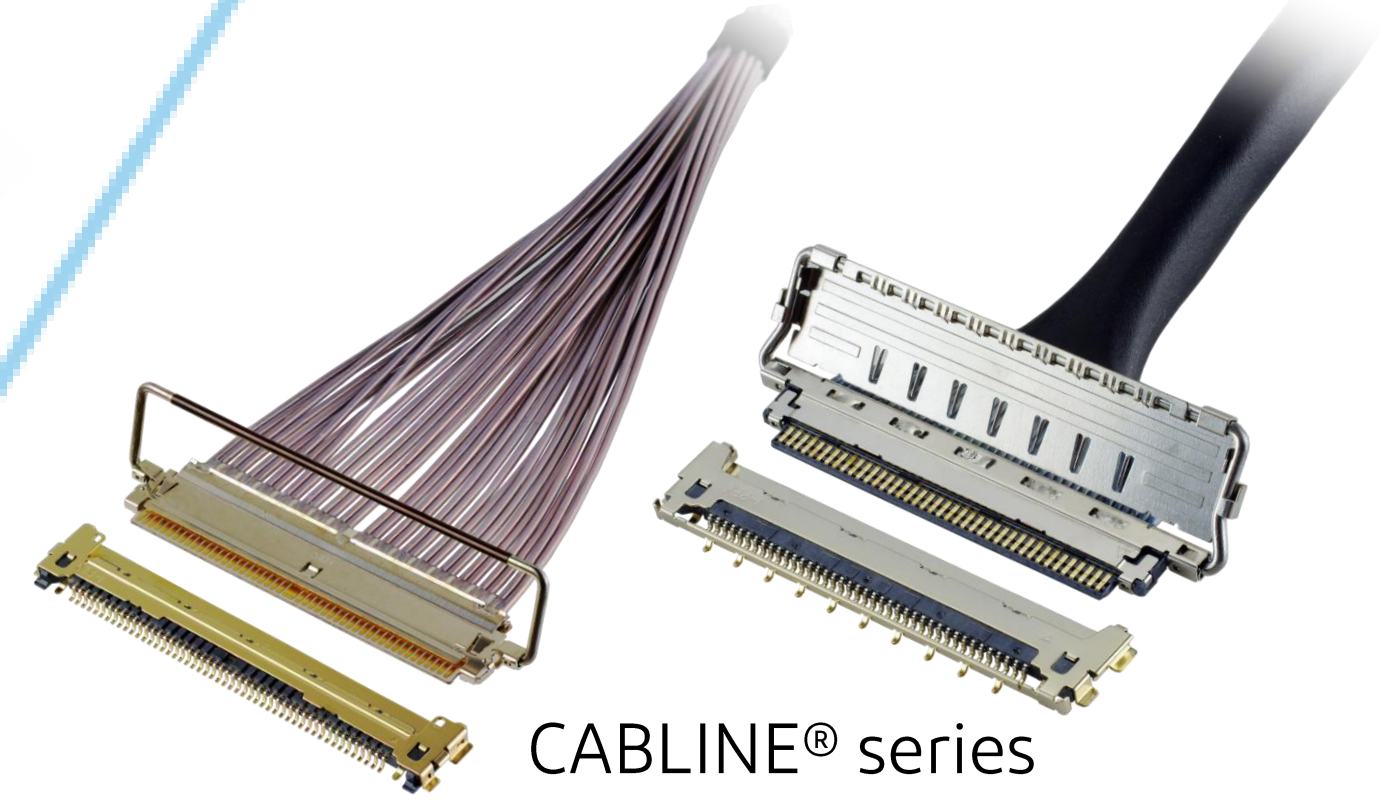


RF
Connectors

MHF® series



CABLINE® series
Micro-coaxial/Twinax
Connectors

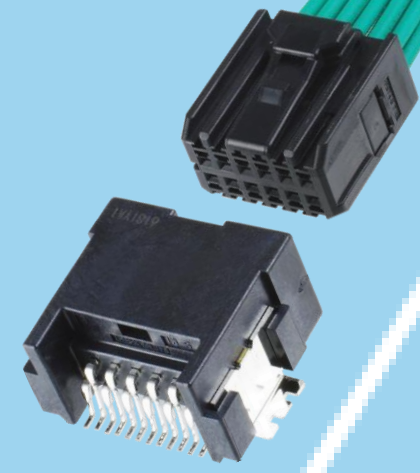


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



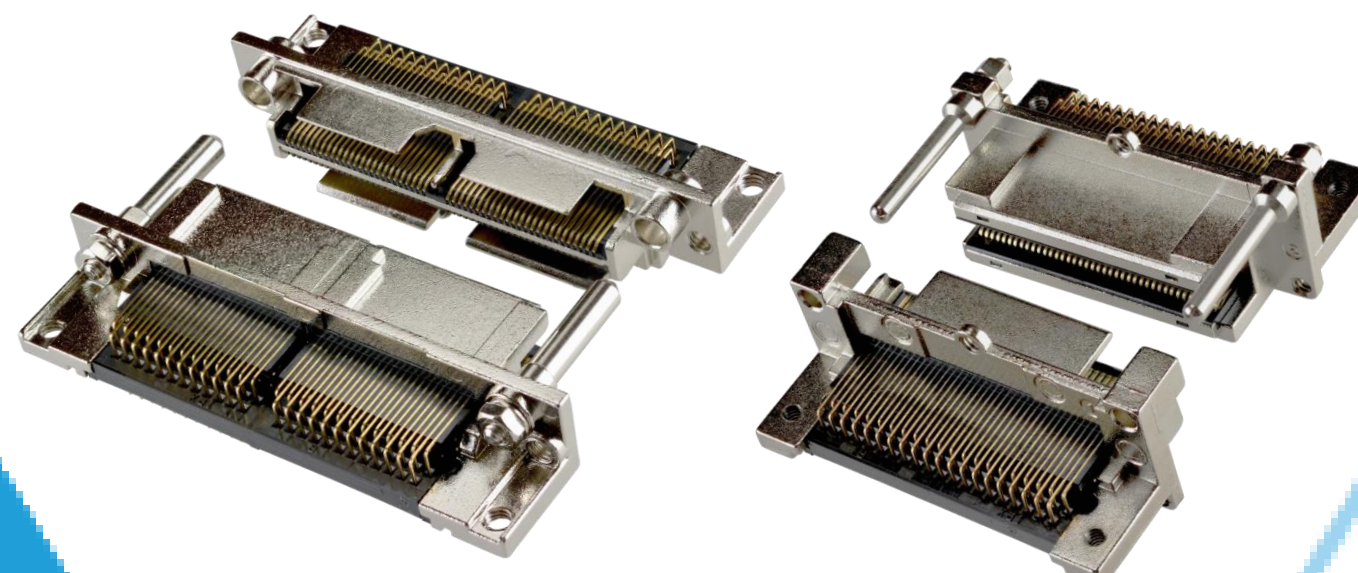
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series EVAFLEX® series



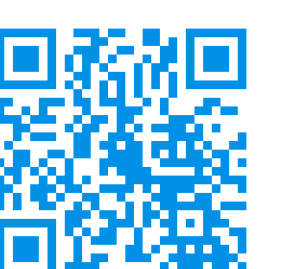
Inquiry



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