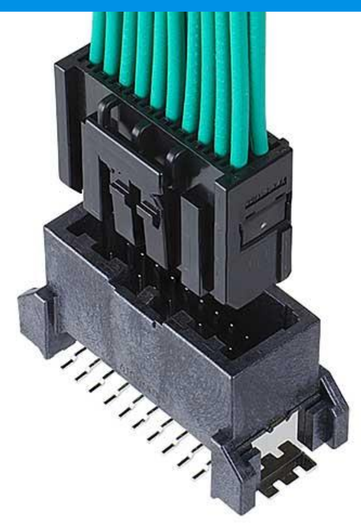
ISH® (Vertical Type)



耐热，耐振，垂直款SMT连接器

Product Specifications:	Single-row	Double-row
Contact Pitch	2.0 mm	
Contact Size	0.5 x 0.4 mm (020)	
Mated Height	20.75 mm max.	
Width	ISH: 7.6 + (1.0 x pin count) mm, ISHV: 10.5 + (1.0 x pin count) mm	
Operating Temperature	-40 to 125°C (233 to 398 K)	
Vibration Resistance	10 G	
Current Rating	Signal: 4.5 A/pin	
Voltage Rating	100 V	
Withstand Voltage	AC 1000V/minute	
Plating	Sn	
Housing	Male:glass-filled LCP, Female:PBT	
Available Pin count	-	8, 10, 20, 26

*如您需要了解未列出或不在范围内的Pin数，请咨询我们

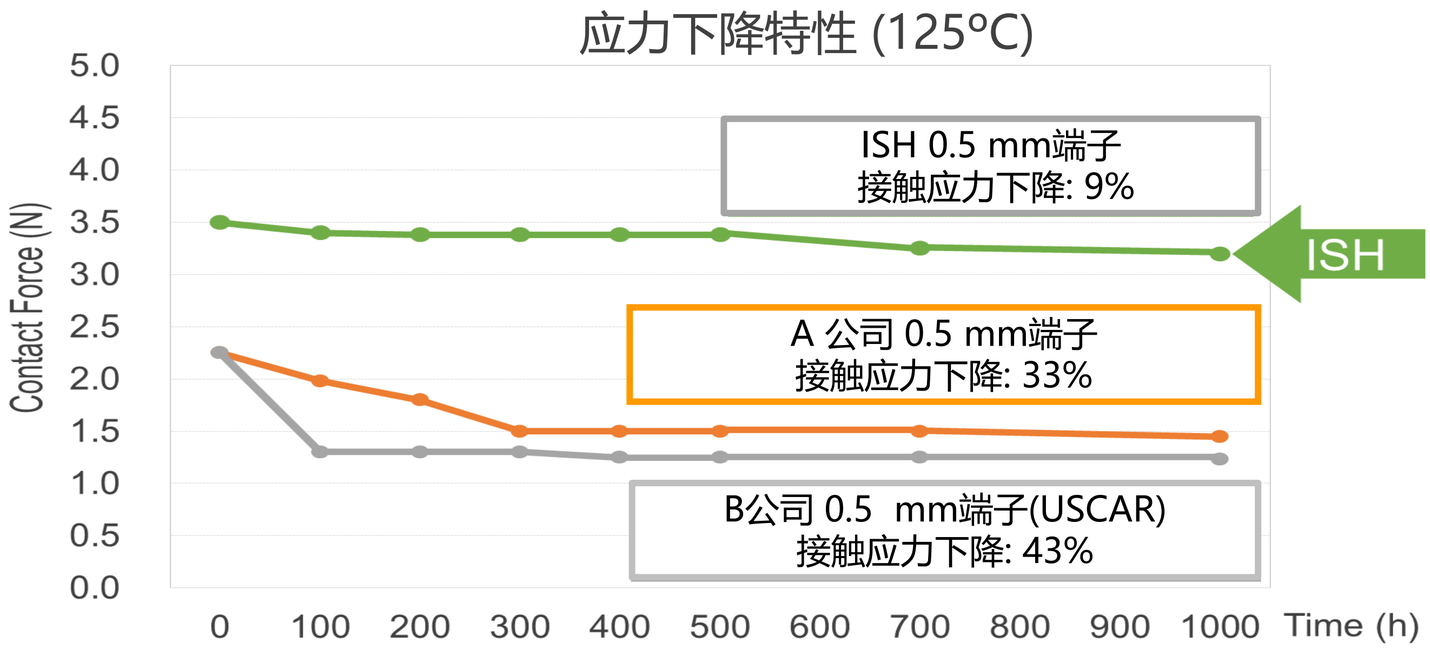
Applicable Cable Size:

AWG 20, 22
*Insulation Diameter 1.6 mm max.

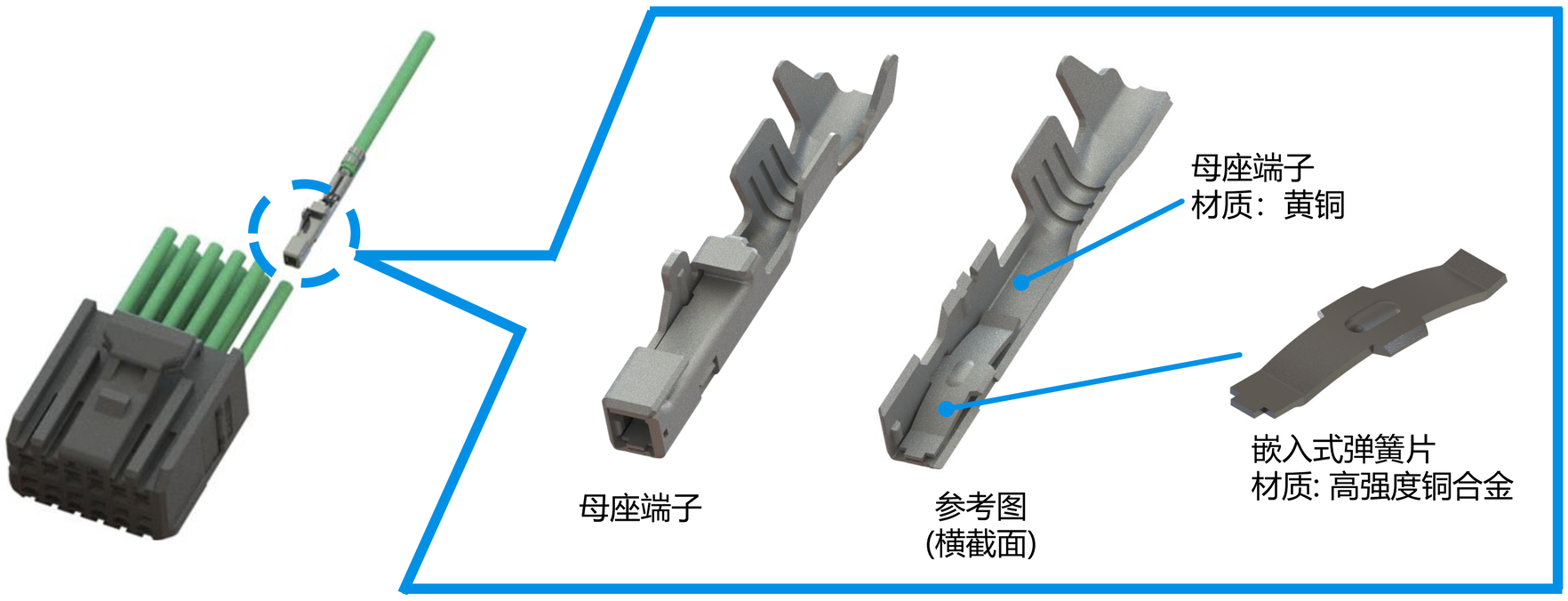
Applicable Standards (Reference Only):

LV 214: 8 pin (optional)

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



符合 LV214 标准，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

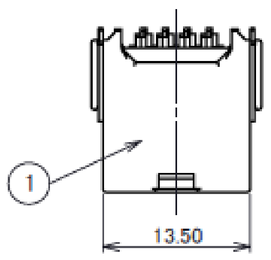
适用于需要符合LV214标准的应用
请访问我们的网站了解符合LV214标准的料号。

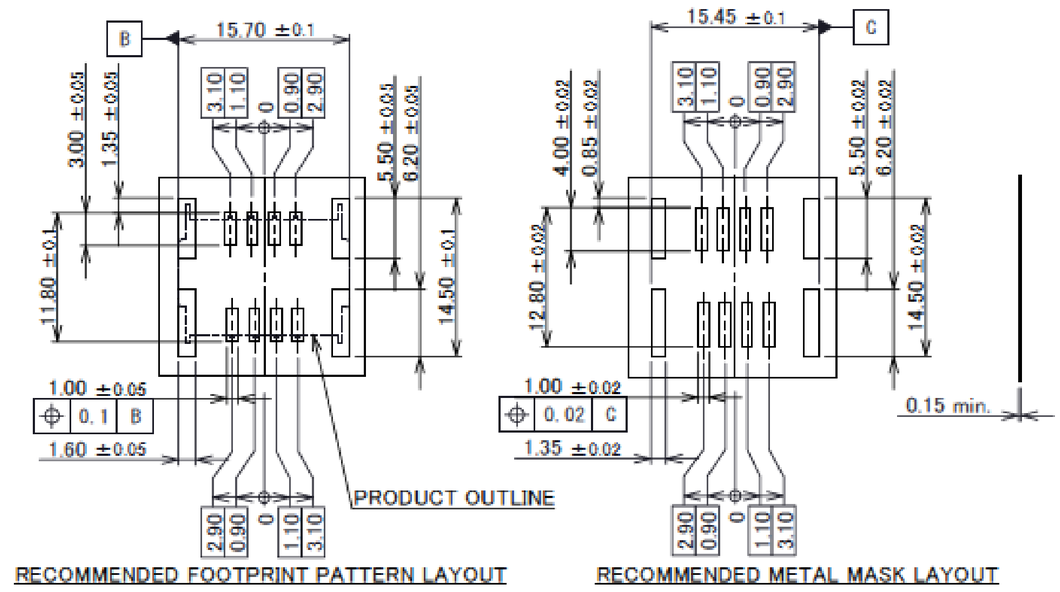
Component Parts Details

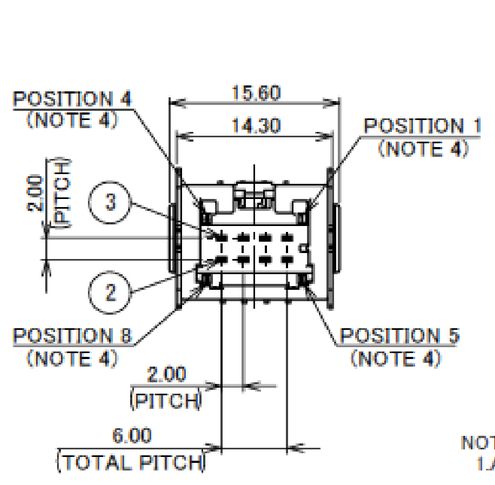
ISH® (Vertical Type) MALE (8P) ※ISHV:

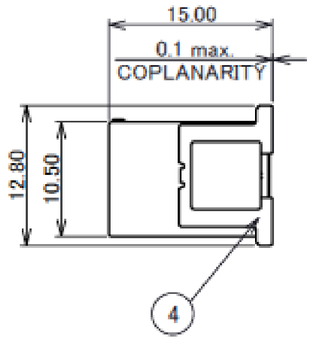
MALE CONNECTOR	
PART NO.	VACUUM CAP
V0026-008E-001	WITH
◆V0026-008E-002	WITHOUT

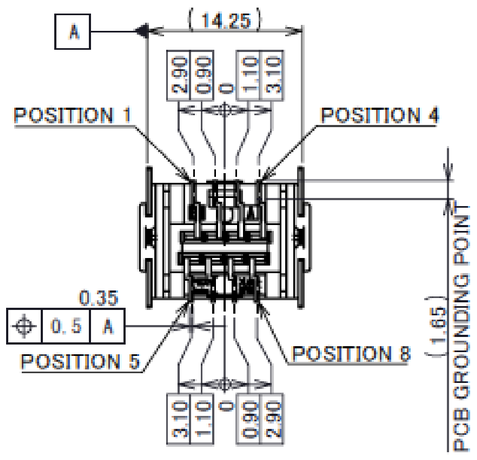
◆MARK MEANS NOT AVAILABLE.

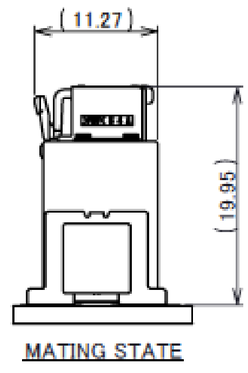






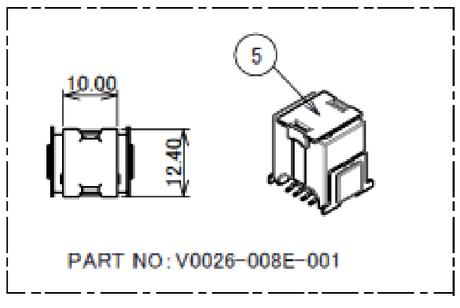






NOTES
1. APPLICABLE PART NO.:
   - FEMALE HOUSING···V0027-91008-211
   - FEMALE RETAINER···V0116-92008-01
   - FEMALE TERMINAL···VT009-02
2. COMPLY WITH ELV/RoHS
3. USE METAL MASK WHICH HAS A THICKNESS OF 0.15mm MIN. WHEN THE MALE CONNECTOR IS MOUNTED ON THE PCB.
4. POSITION NUMBERS ARE INDICATED.

NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS
5	VACUUM 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

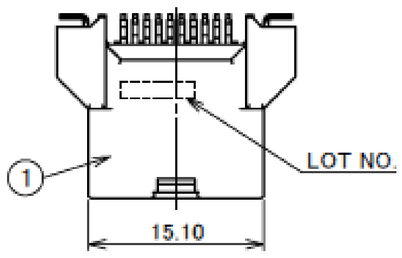


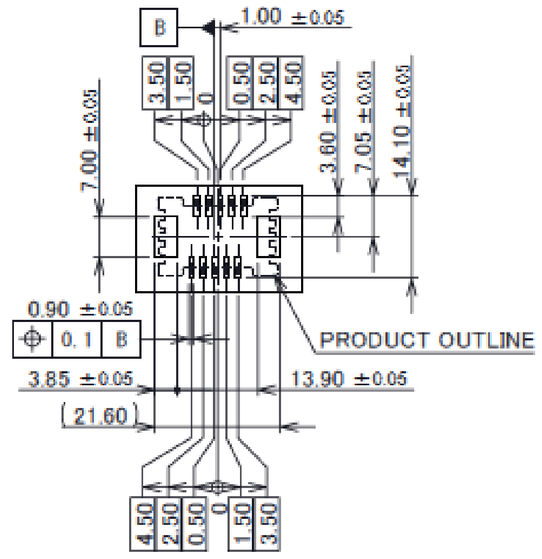
Rev.0

ISH® (Vertical Type) MALE (10P):

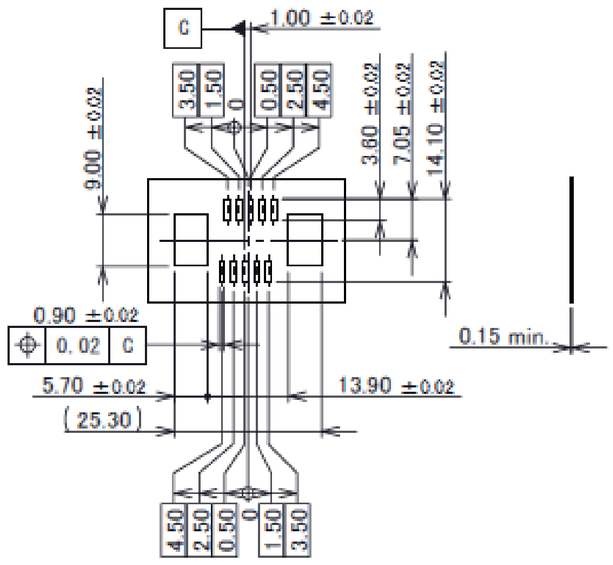
PART NO.	VACUUM CAP
V0019-010E-001	WITH
◆V0019-010E-002	WITHOUT

◆MARK MEANS NOT AVAILABLE.

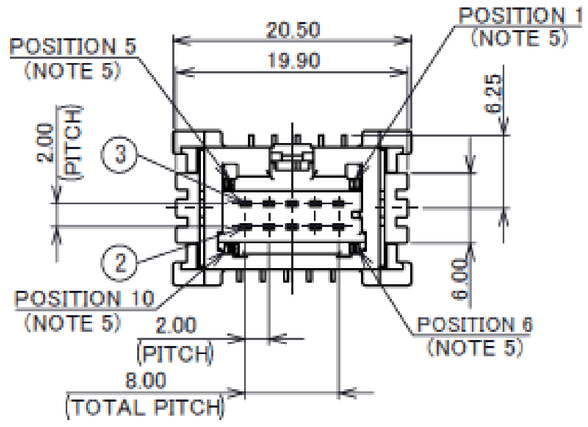


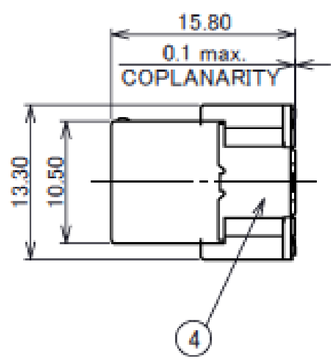


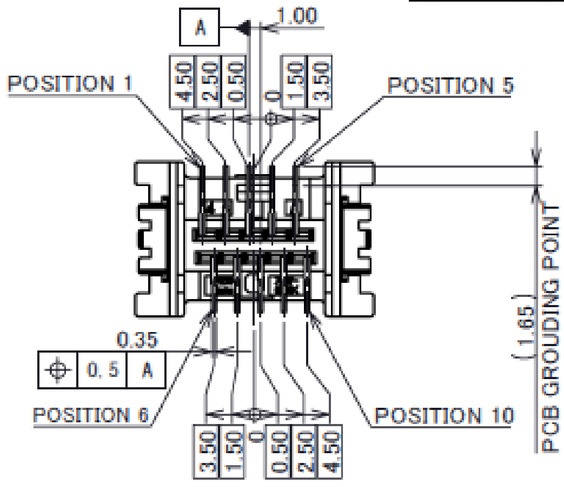
RECOMMENDED FOOTPRINT PATTERN LAYOUT
1:1

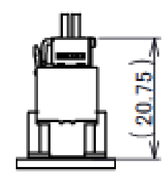


RECOMMENDED METAL MASK LAYOUT
1:1







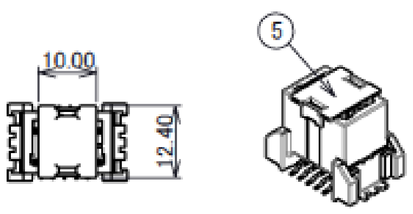


MATING STATE
1:1

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.

NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS
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

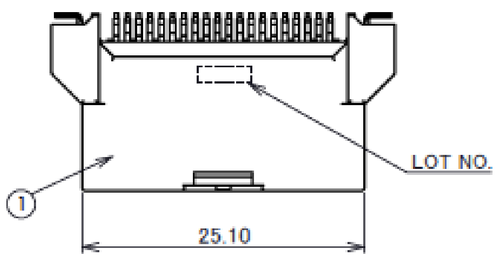


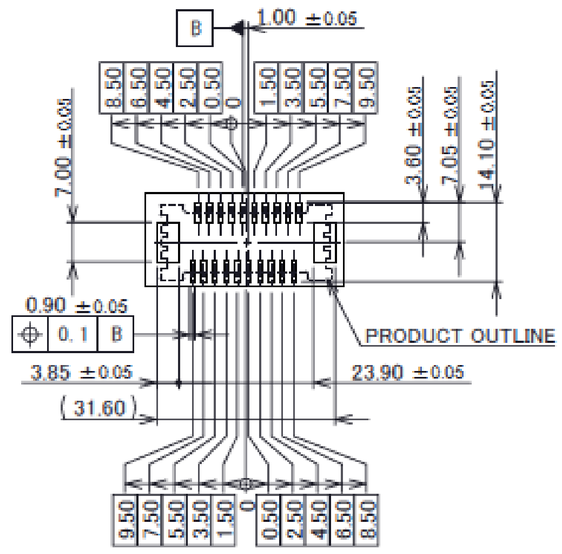
PART NO: V0019-010E-001

Rev.0

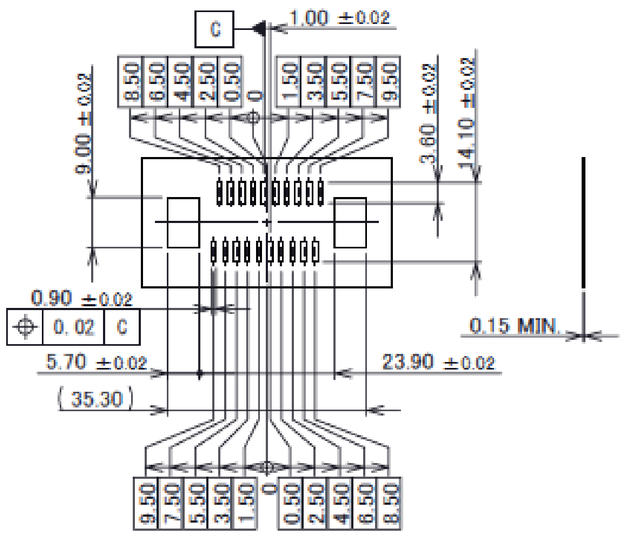
ISH® (Vertical Type) MALE (20P):

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

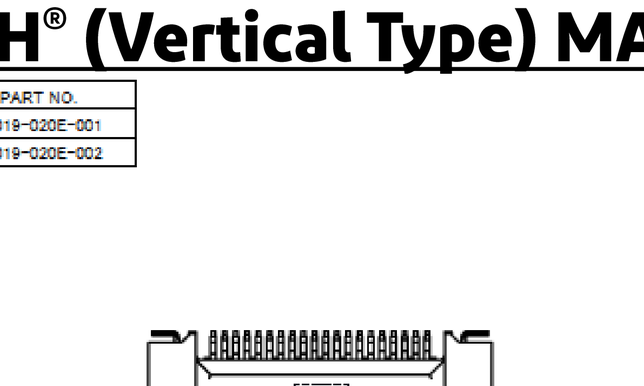


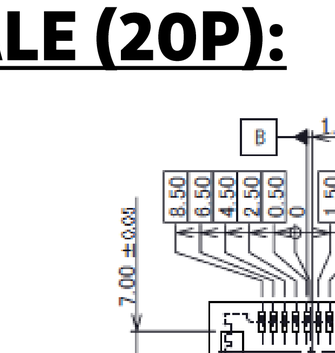


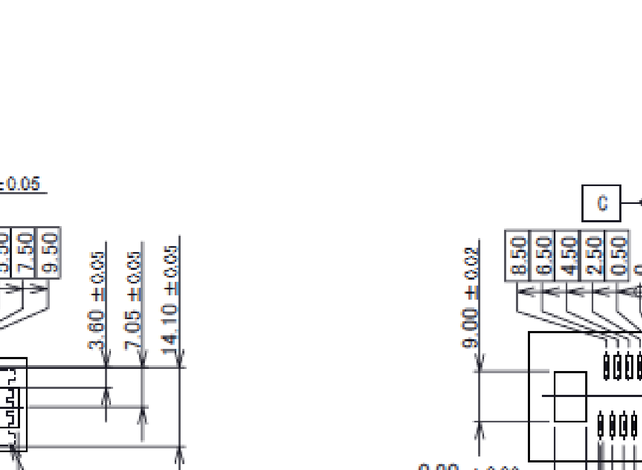
RECOMENDED FOOTPRINT PATTERN LAYOUT
1:1

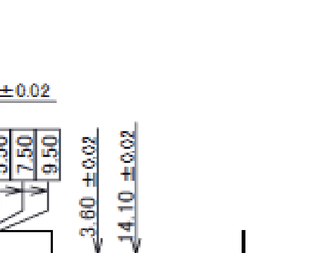


RECOMENDED METALMASK LAYOUT
1:1







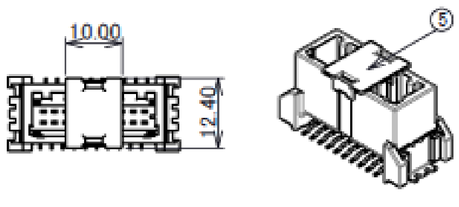


MATING STATE
1:1

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.

NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS
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



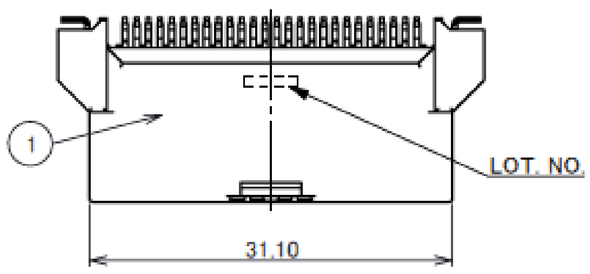
PART NO:V0019-020E-001

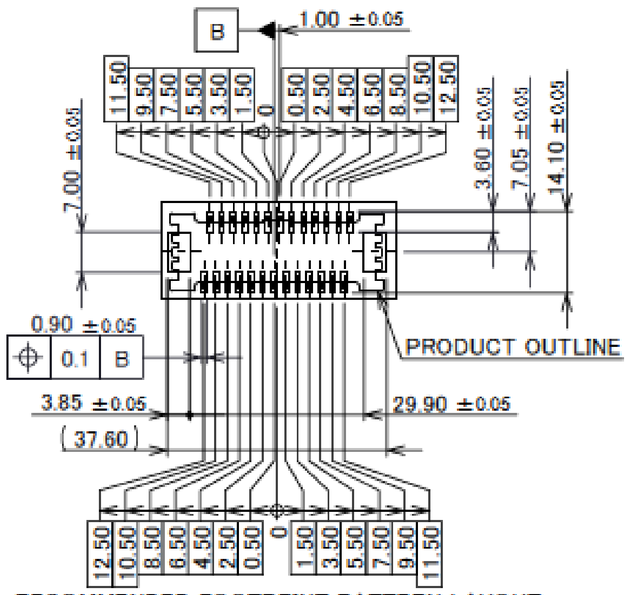
Rev.0

ISH® (Vertical Type) MALE (26P):

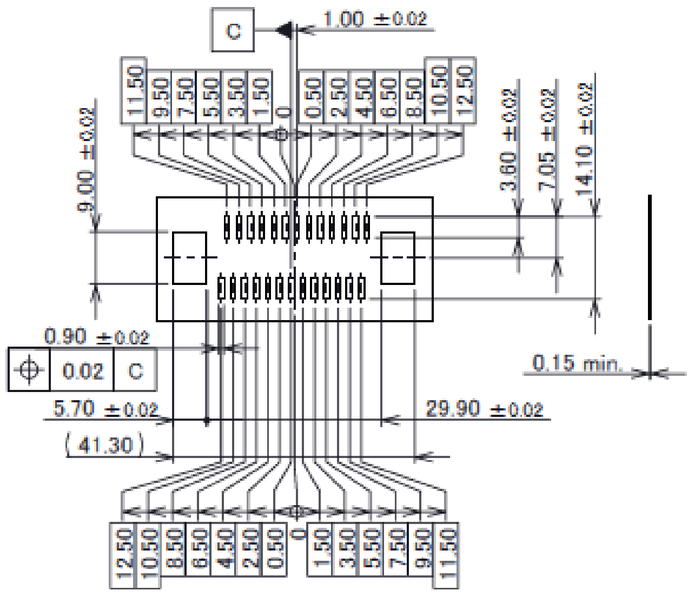
PART NO.	VACUUM CAP
◆V0019-026E-001	WITH
V0019-026E-002	WITHOUT

◆MARK MEANS NOT AVAILABLE.

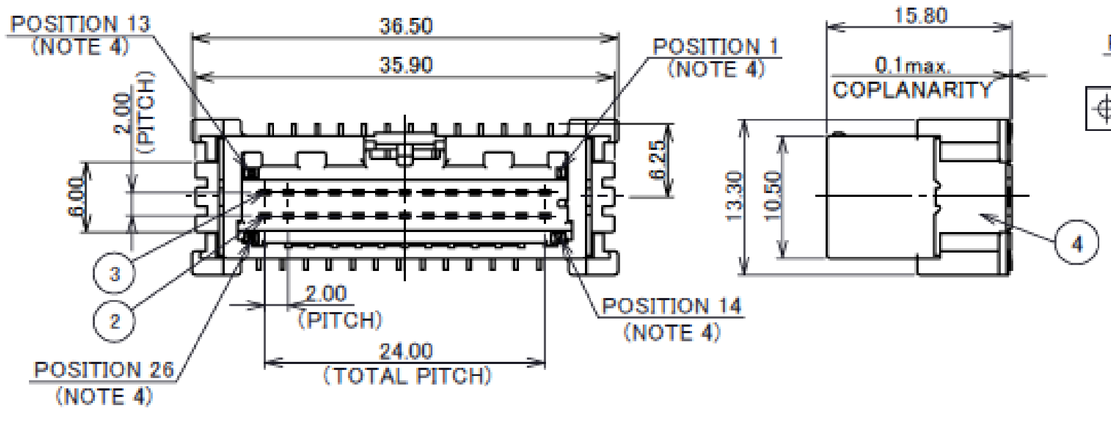


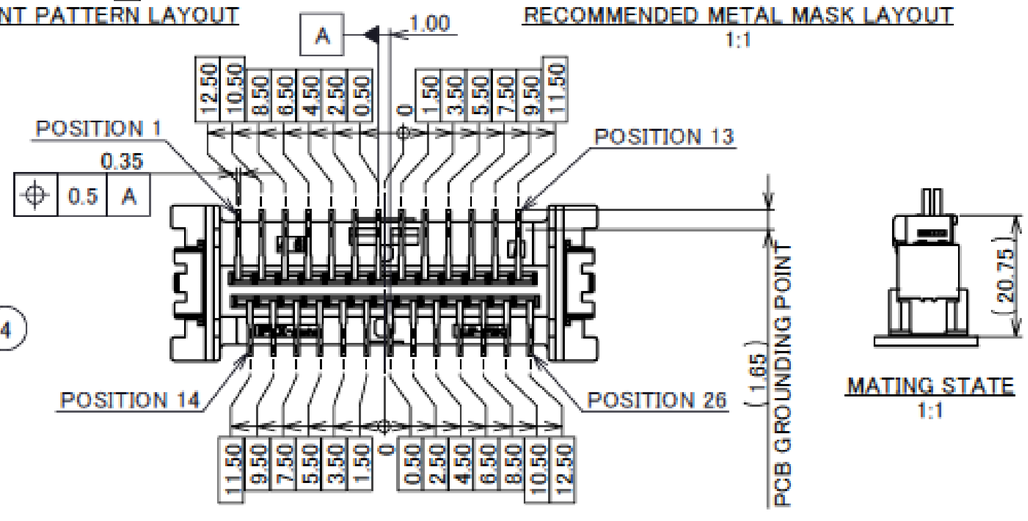


RECOMMENDED FOOTPRINT PATTERN LAYOUT
1:1



RECOMMENDED METAL MASK LAYOUT
1:1

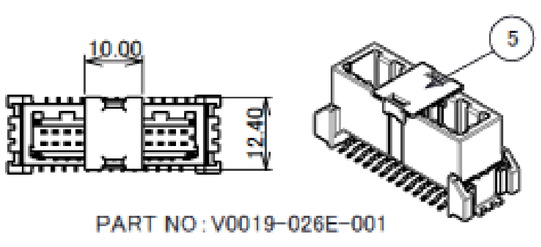




MATING STATE
1:1

NOTES
1.APPLICABLE PART NO.:
·FEMALE HOUSING···V0020-91026-211
·FEMALE RETAINER···V0020-92026-211
·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.

NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS
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

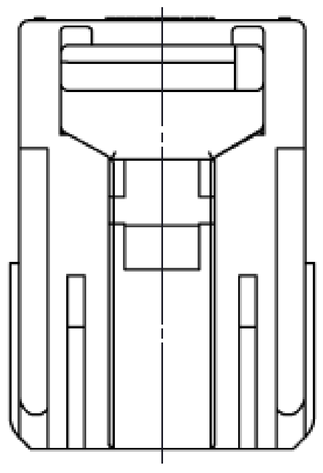


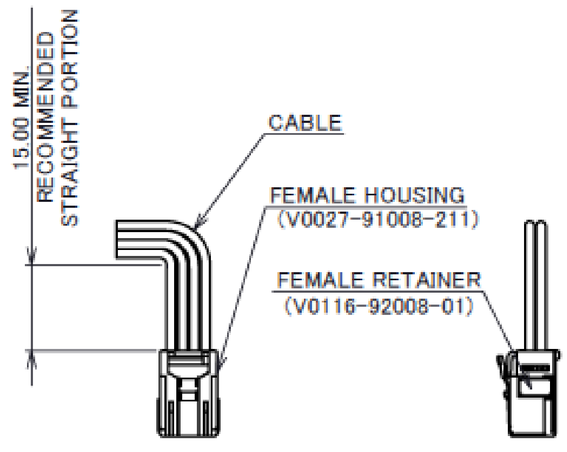
PART NO : V0019-026E-001

Rev.0

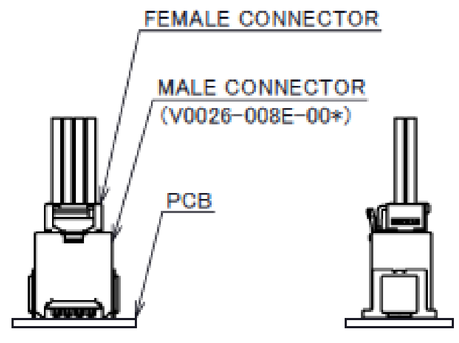
ISH® (Vertical Type) FEMALE (8P) ※ISHV :

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

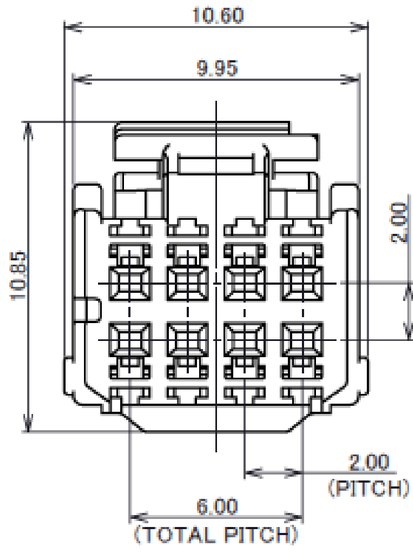


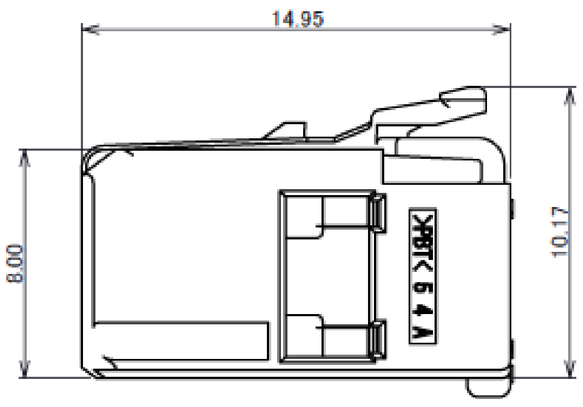


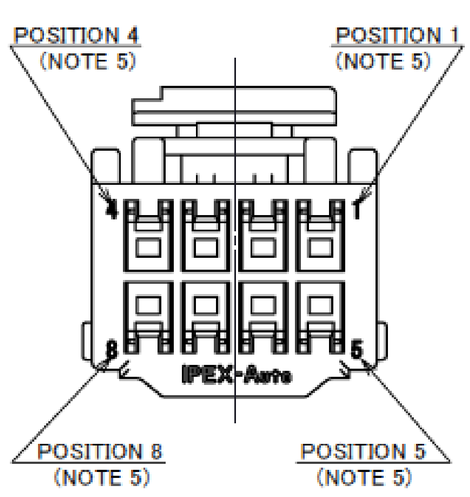
FEMALE CONNECTOR
1:1



MATING STATE
1:1







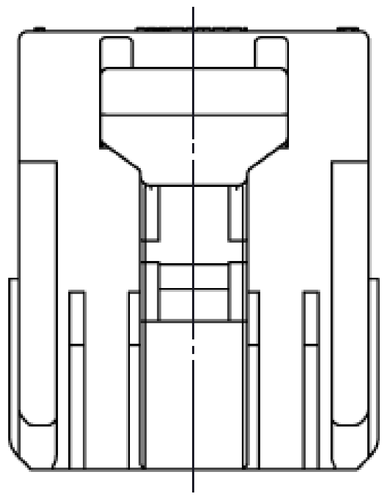
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS
1	FEMALE HOUSING	PBT	BLACK

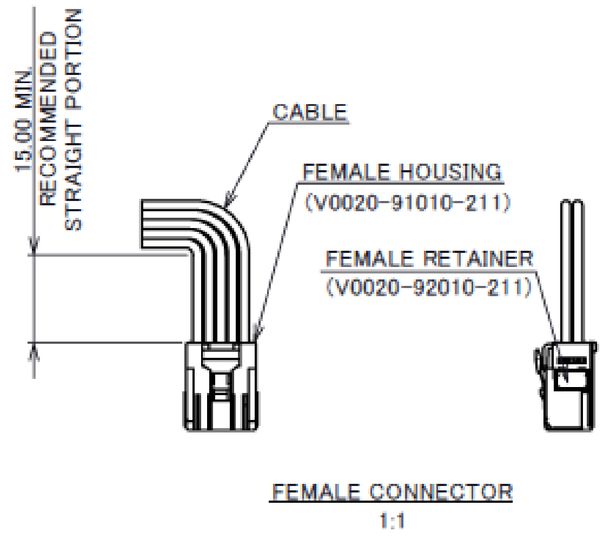
NOTES
1.APPLICABLE PART NO.:
-FEMALE TERMINAL --- VT009-02
-FEMALE RETAINER --- V0116-92008-01
2.MATERIAL : PBT
3.COMPLY WITH ELV/RoHS.
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】
5.POSITION NUMBERS ARE INDICATED.

Rev.0

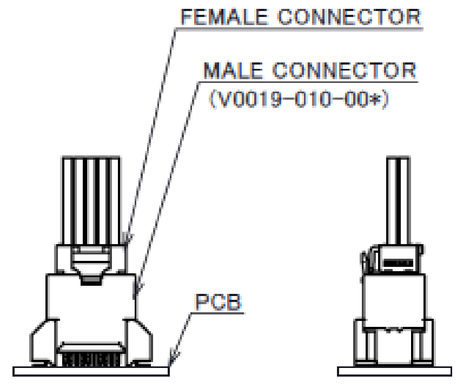
ISH® (Vertical Type) FEMALE (10P):

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

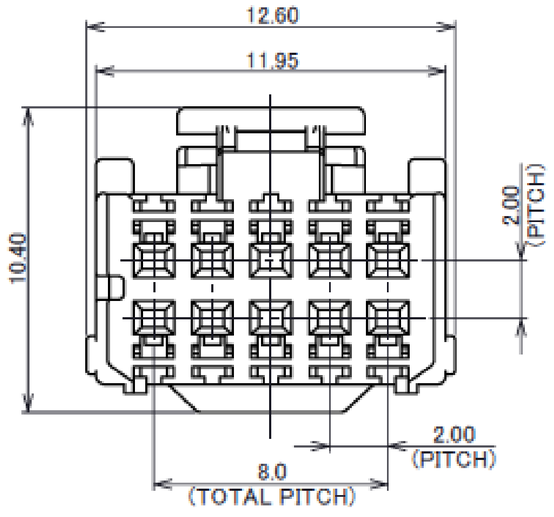


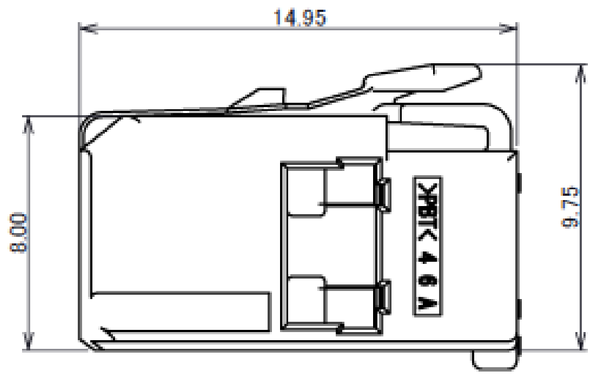


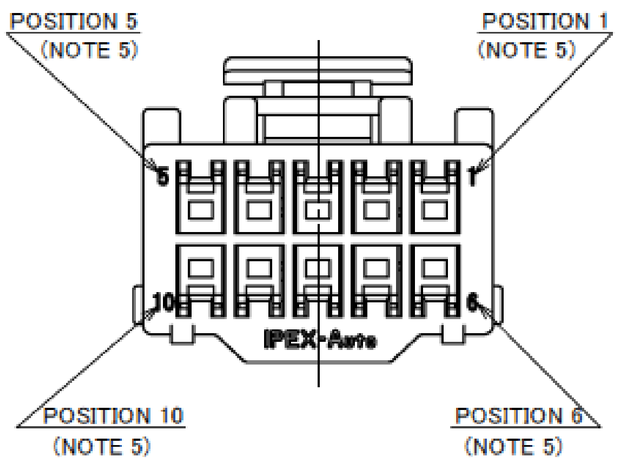
FEMALE CONNECTOR
1:1



MATING STATE
1:1







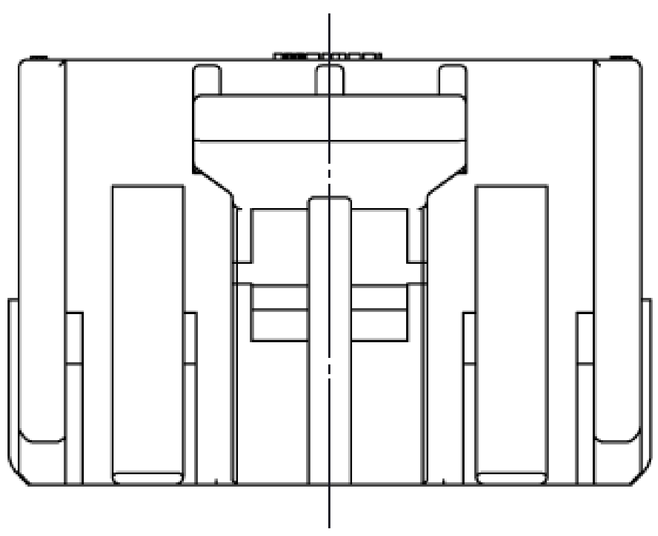
①	FEMALE HOUSING	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

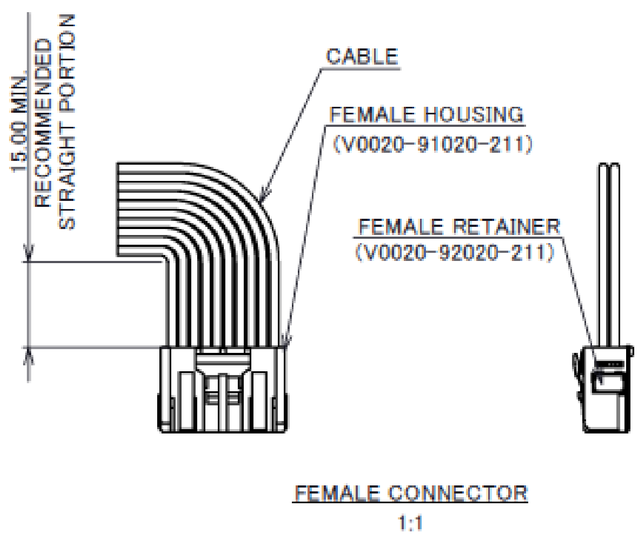
NOTES
1.APPLICABLE PART NO.:
-FEMALE TERMINAL --- VT009-02
-FEMALE RETAINER --- V0020-92010-211
2.MATERIAL : PBT
3.COMPLY WITH ELV/RoHS.
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】
5.POSITION NUMBERS ARE INDICATED.

Rev.0

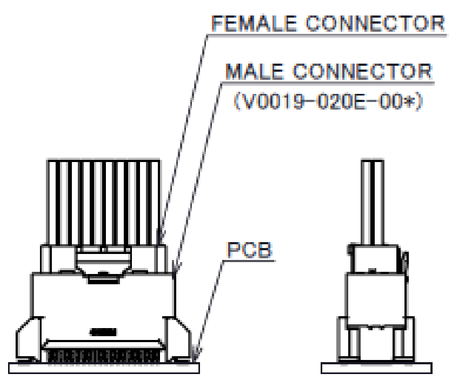
ISH® (Vertical Type) FEMALE (20P):

PART NO.
V0020-91020-211

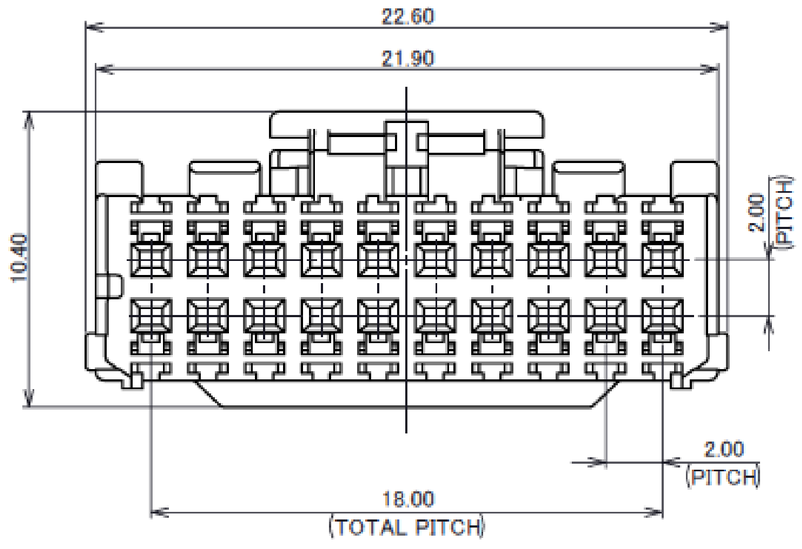


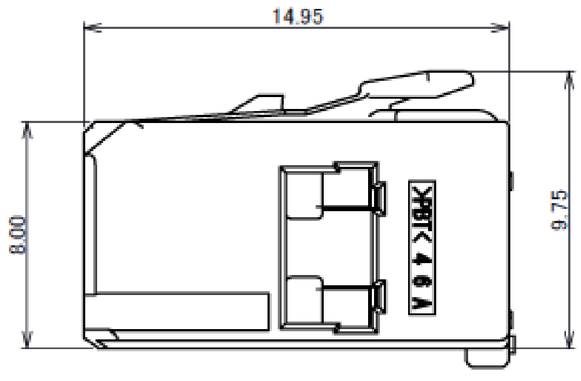


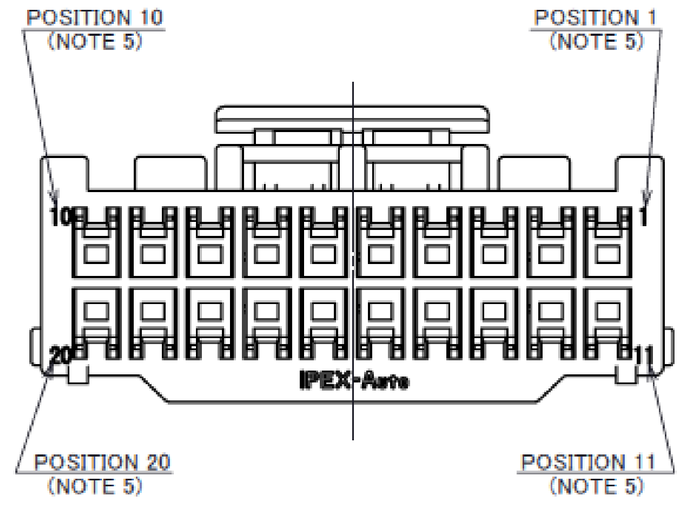
FEMALE CONNECTOR
1:1



MATING STATE
1:1







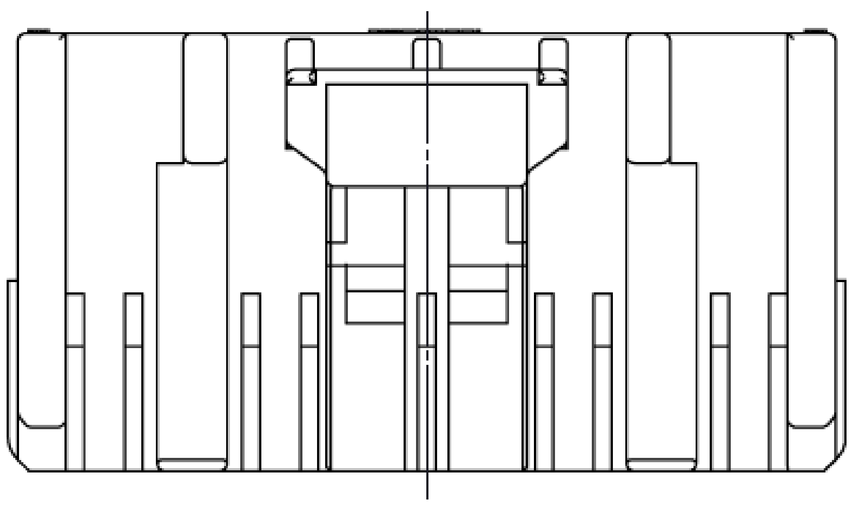
1	FEMALE HOUSING	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

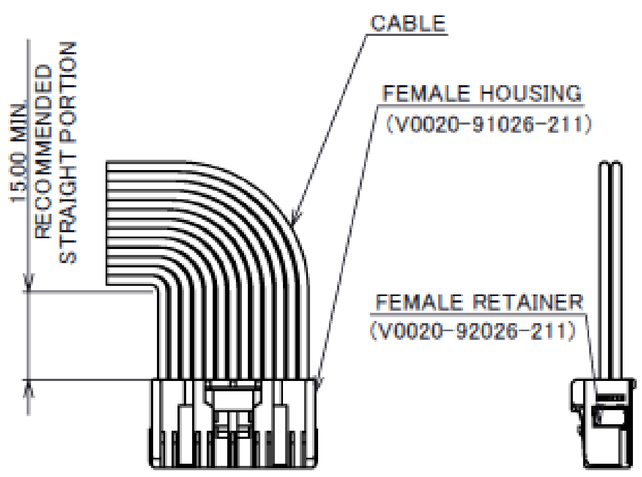
NOTES
1.APPLICABLE PART NO.:
-FEMALE TERMINAL --- VT009-02
-FEMALE RETAINER --- V0020-92020-211
2.MATERIAL : PBT
3.COMPLY WITH ELV/RoHS.
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】
5.POSITION NUMBERS ARE INDICATED.

Rev.0

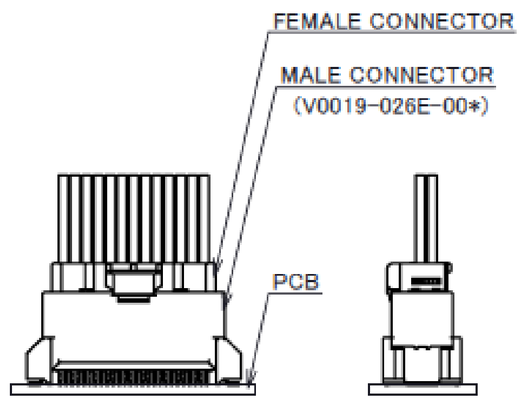
ISH® (Vertical Type) FEMALE (26P):

PART NO.
V0020-91026-211

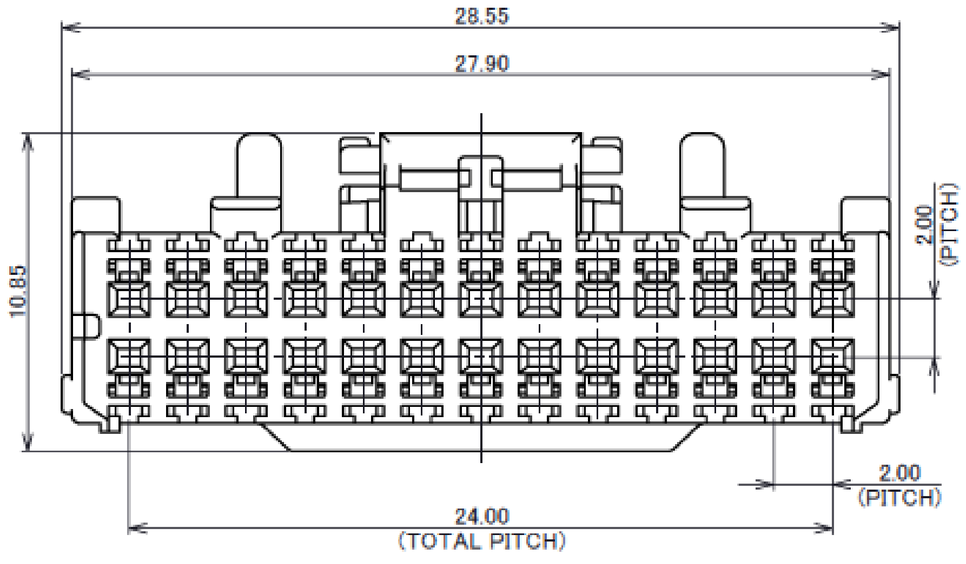


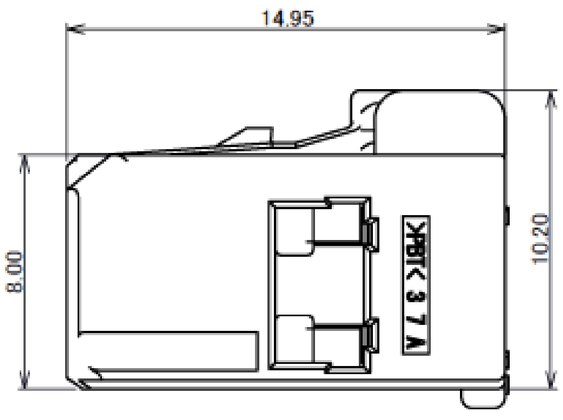


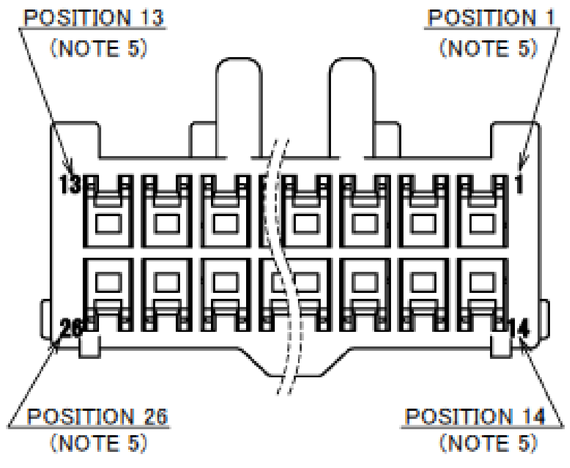
FEMALE CONNECTOR
1:1



MATING STATE
1:1







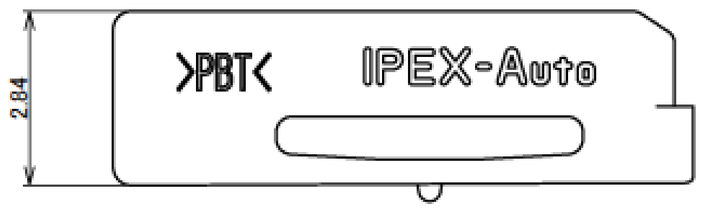
1	FEMALE HOUSING	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

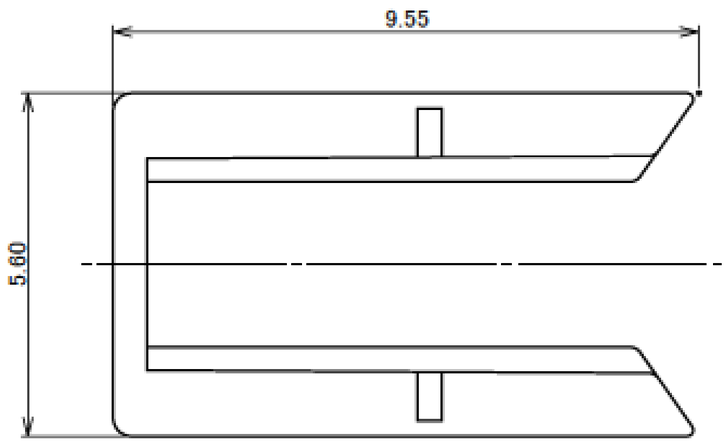
NOTES
1.APPLICABLE PART NO.:
-FEMALE TERMINAL --- VT009-02
-FEMALE RETAINER --- V0020-92026-211
2.MATERIAL:PBT
3.COMPLY WITH ELV/RoHS.
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】
5.POSITION NUMBERS ARE INDICATED.

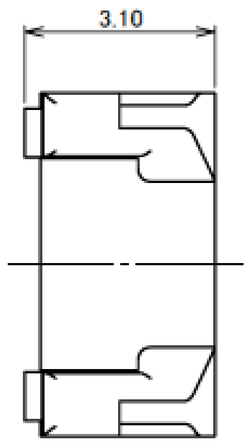
Rev.0

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

PART NO.
V0116-92008-01







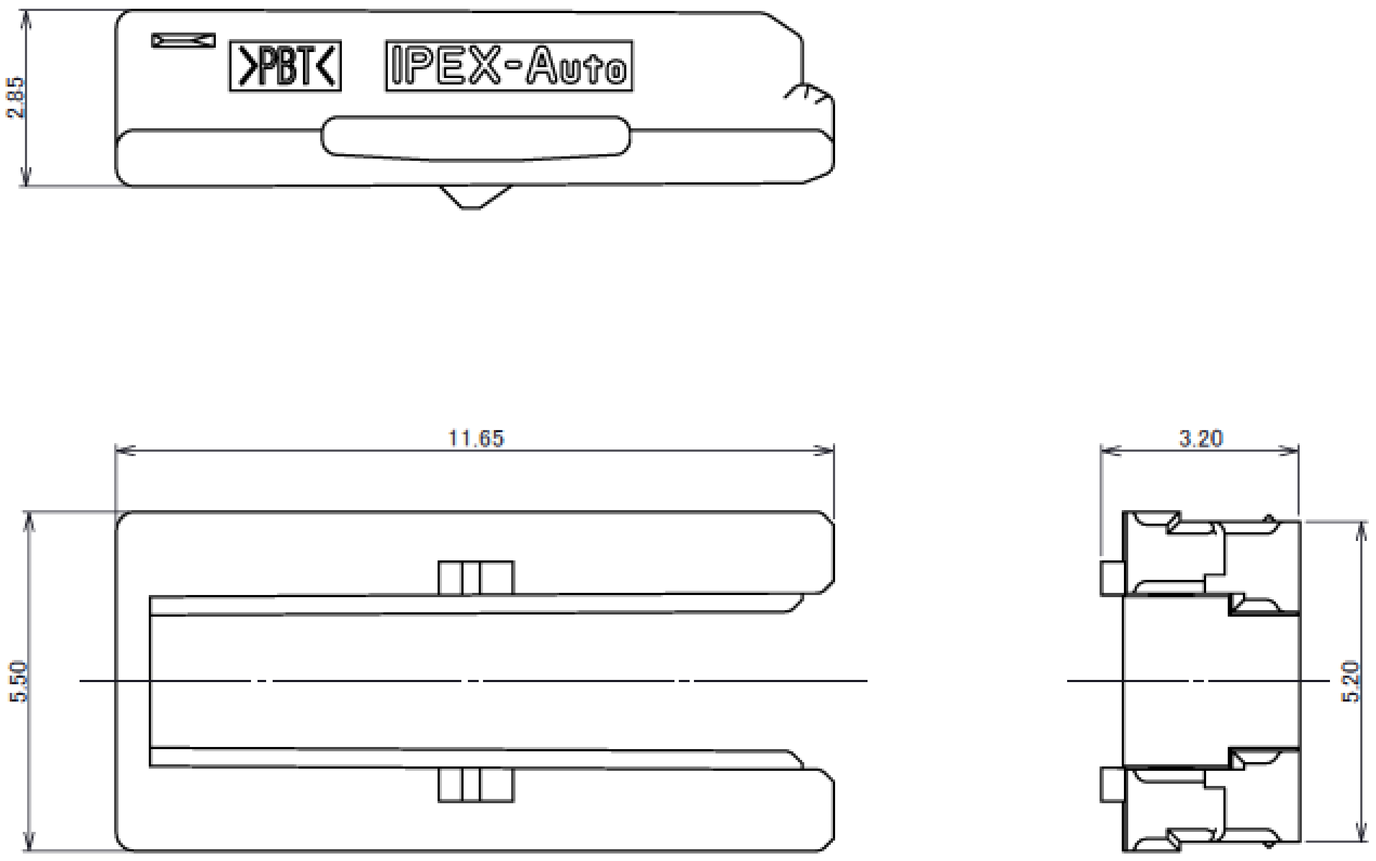
NOTES
1.APPLICABLE PART NO.:
・FEMALE HOUSING・・・V0116-91008-**
V0027-91008-211
2.MATERIAL:PBT
3.COMPLY WITH ELV/RoHS.
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】

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

Rev.0

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

PART NO.
V0020-92010-211



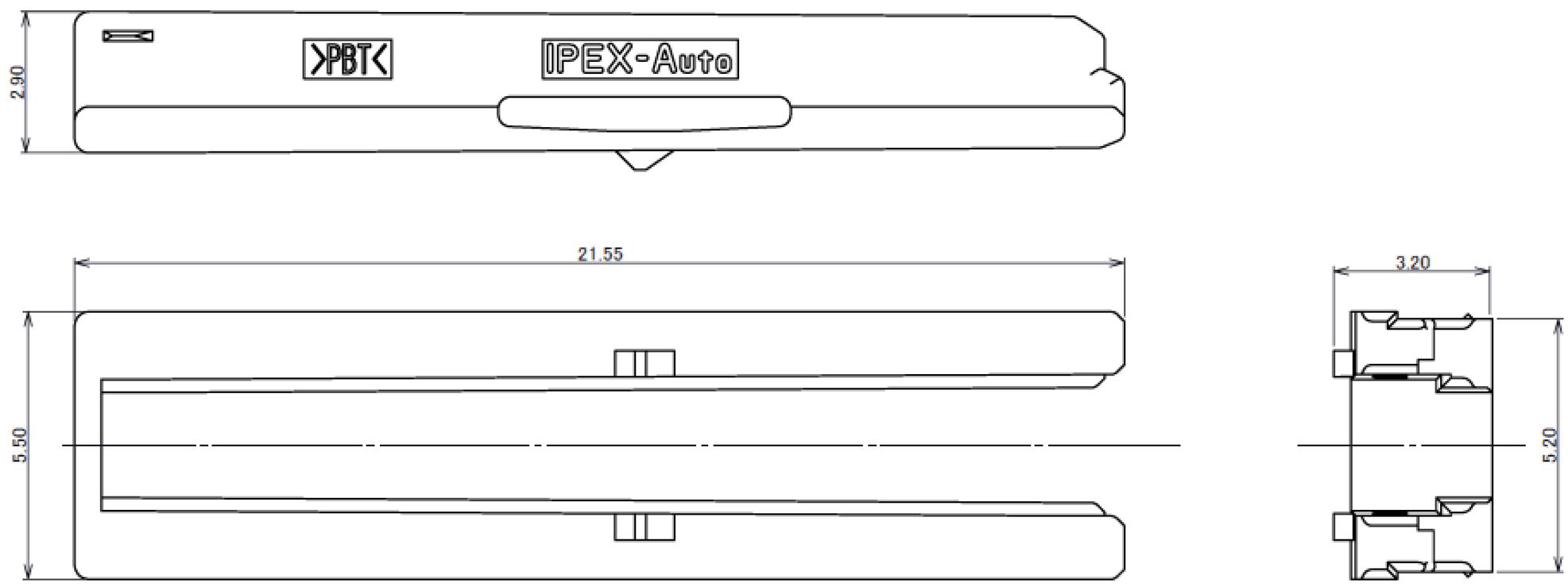
NOTES
1.APPLICABLE PART NO.:
・FEMALE HOUSING・・・V0020-91010-211
2.MATERIAL:PBT
3.COMPLY WITH ELV/RoHS.
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】

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

Rev.0

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

PART NO.
V0020-92020-211



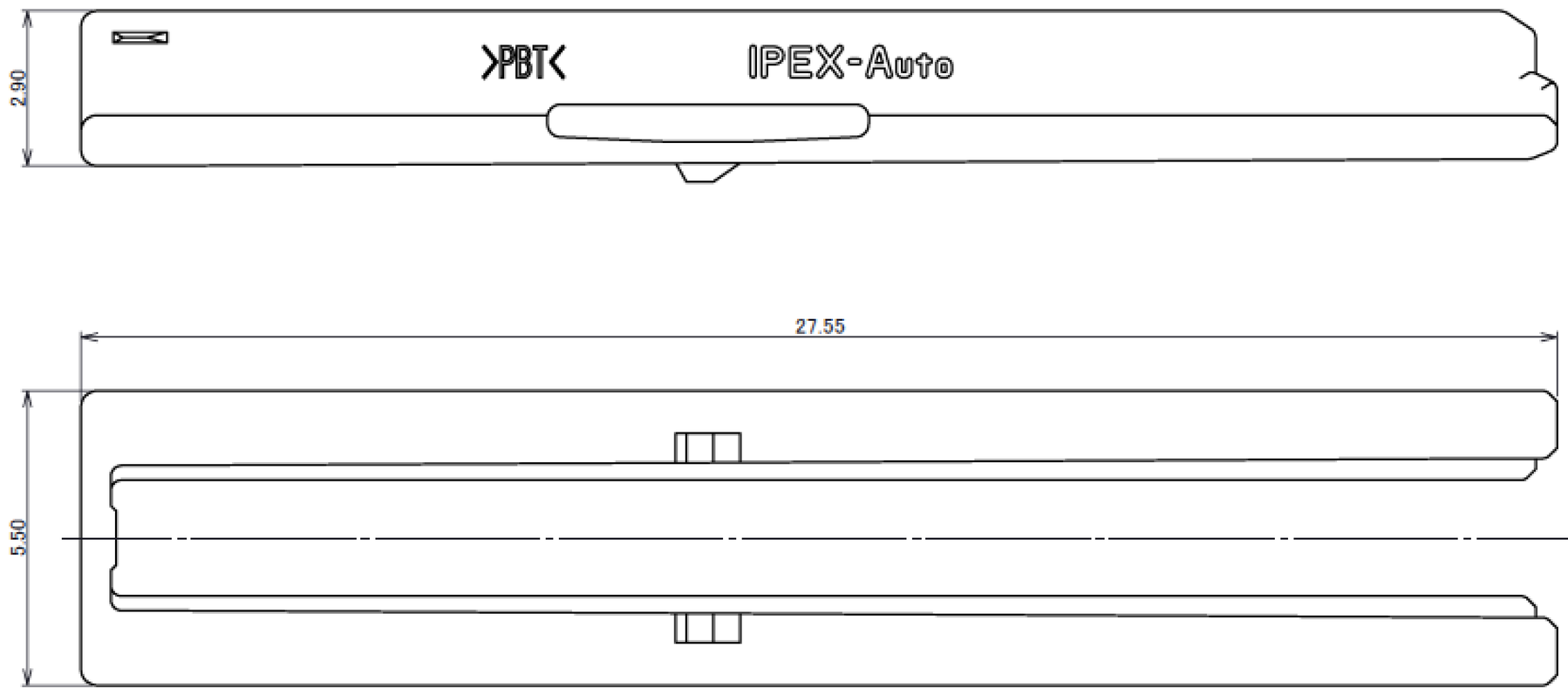
NOTES
1.APPLICABLE PART NO.:
・FEMALE HOUSING・・・V0020-91020-211
2.MATERIAL:PBT
3.COMPLY WITH ELV/RoHS
4.HANDLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】

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

Rev.0

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

PART NO.
V0020-92026-211



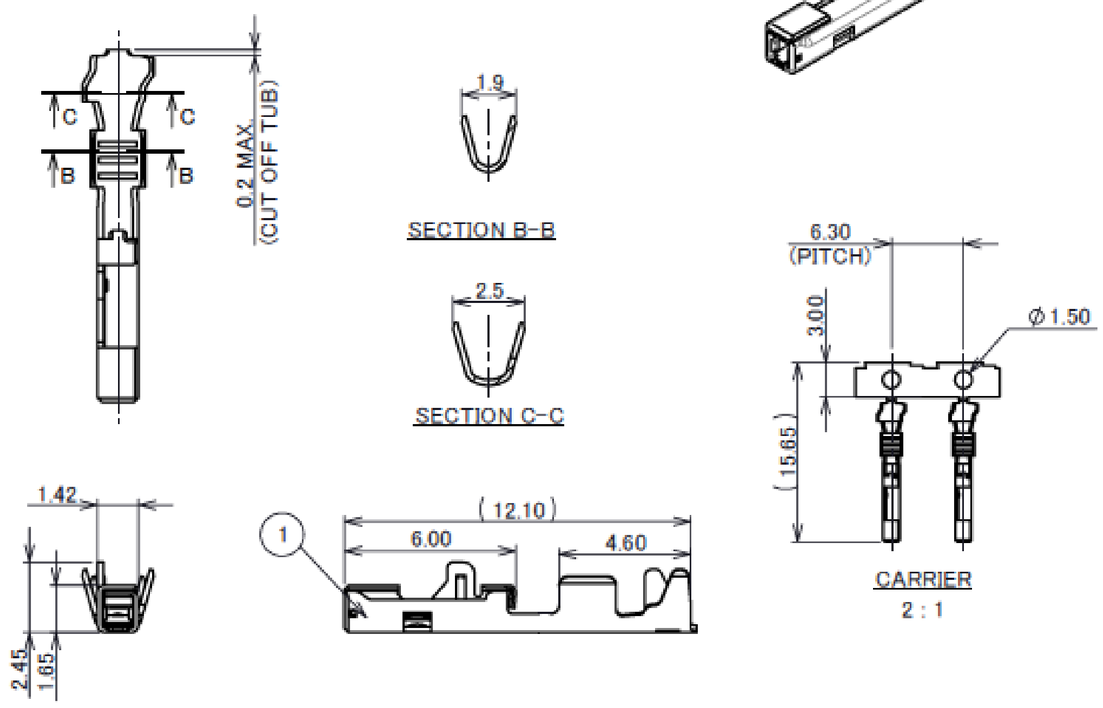
NOTES
1.APPLICABLE PART NO.:
・FEMALE HOUSING・・・V0020-91026-211
2.MATERIAL:PBT
3.COMPLY WITH ELV/RoHS
4.HANDOLE OF PRODUCT IN COMPLIANCE WITH HANDLING MANUAL【HDM-0020】

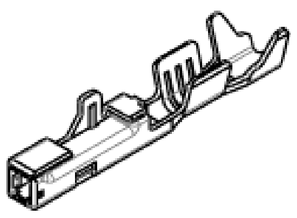
1	FEMALE RETAINER	PBT	BLACK
NO.	DESCRIPTION	MATERIAL	FINISH/COLOR/REMARKS

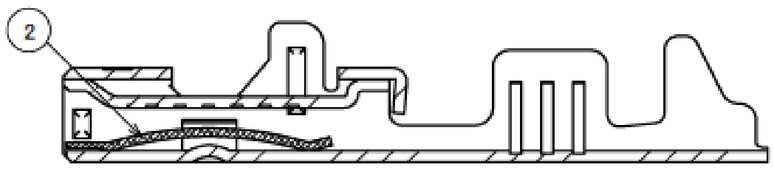
Rev.0

ISH® (Vertical Type) TERMINAL:

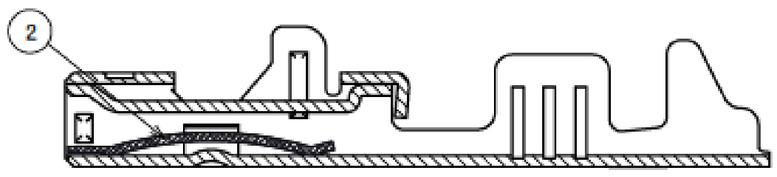
PART NO.	PLATING
VT009-02	Sn REFLOW
VT009-03	CONTACT AREA : Au PLATING CRIMPING AREA : Sn REFLOW



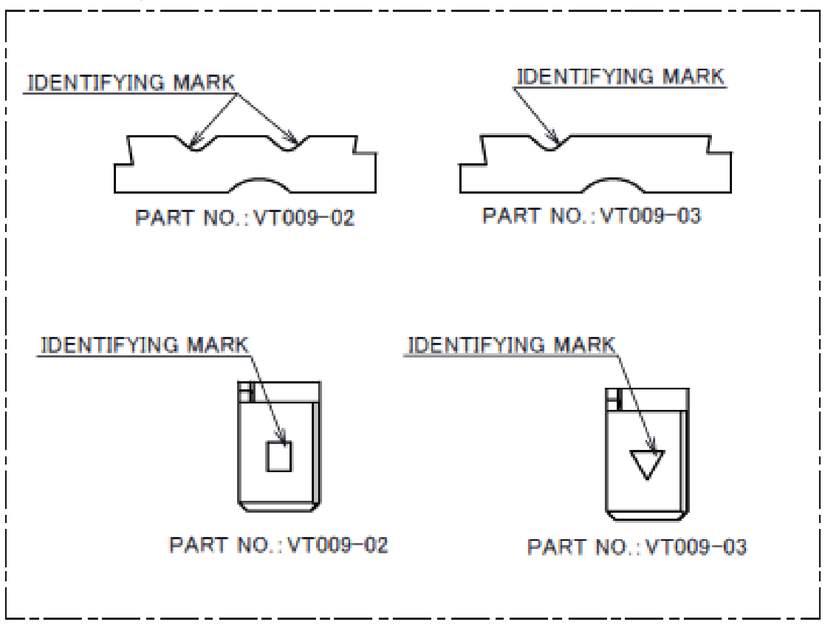




PART NO.:VT009-02



PART NO. :VT009-03
SECTION A-A
10 : 1



NOTE
1. APPLICABLE FEMALE HOUSING:ISH CONNECTOR SERIES
2. APPLICABLE CABLE SIZE:0.3mm² / 0.5mm² (FINISHED φ1.60mm 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

Micro-Coaxial/Twinaxial Connectors

CABLINE® series

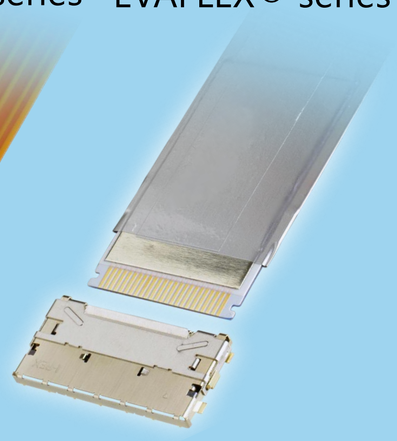
Wire-to-Board Connectors/ Terminals

AP series

ISH® series

MINIFLEX® series

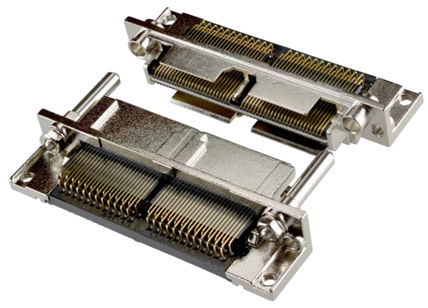
EVAFLEX® series



FPC/FFC Connectors

NOVASTACK® series

MINIDOCK™ series



Board-to-Board Connectors

Inquiry

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