

RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules

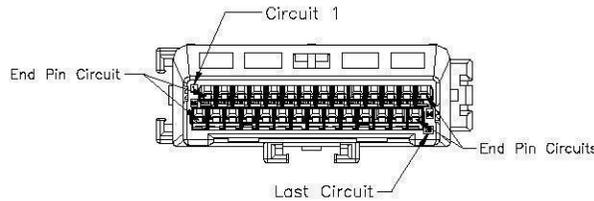
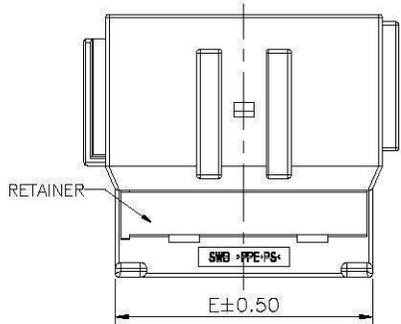
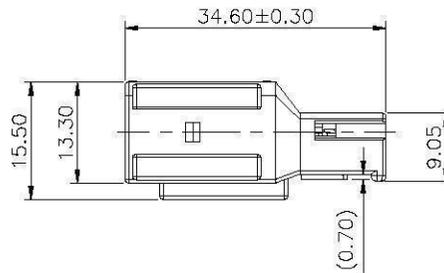
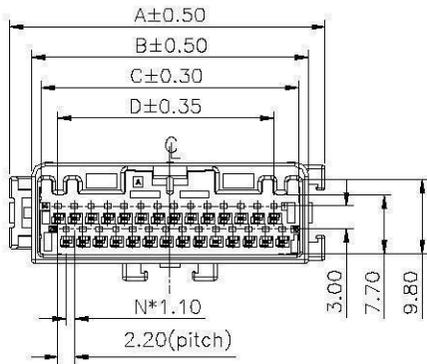
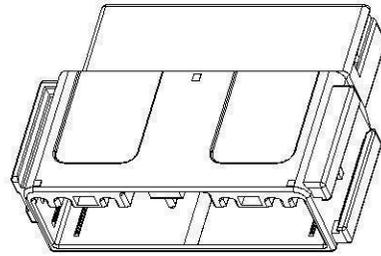
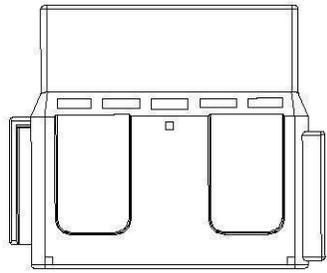


TABLE 1: Matching Terminal List

P/N	Applicable Wire		Applicable Housing Pin Circuits
2201THM-BSW1	AVSS 0.85mm ²	1.80mm(Max)	Four both ends pin circuits can be applied Other pin circuits are not applicable
2201TM-BSW1	AWG#18~20 (0.5~0.75mm ²)	1.40~1.60mm	All pin circuits can be applied
2201TLM-BSW1	AWG#24~22 (0.22~0.35mm ²)	1.10~1.30mm	All pin circuits can be applied

Note: Please refer to the crimping specification for details

Specifications :

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max.AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: 100MΩ Min
- Contact resistance: 20mΩ Max.
- Material(Retainer): PPE+PS UL94V-0
- Mates With HRS Terminal:HRS-2201TXM
- Product Specification: PS-HRS-2201-01
- Packaging: See HRS drawing: PK-HRS-2201AF-2*XXX-ESXX

HRS-2201 A F - 2* XX X - ES XX
 ① ②③ ④ ⑤ ⑥ ⑦

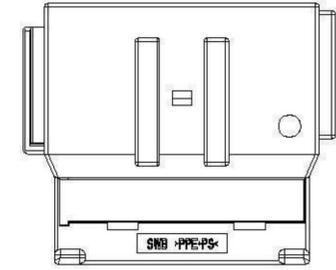
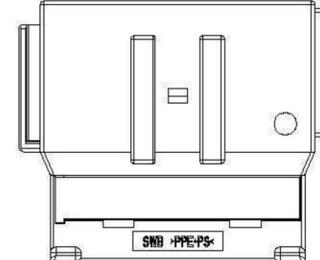
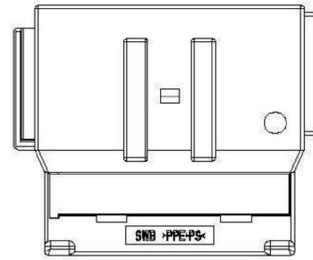
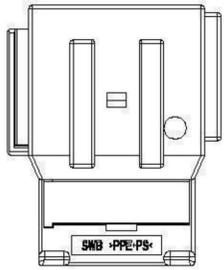
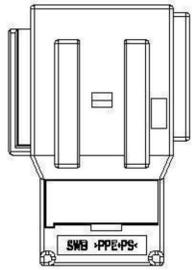
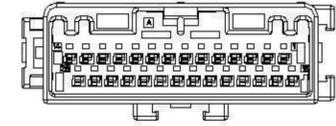
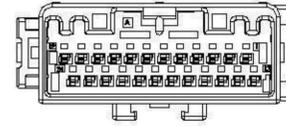
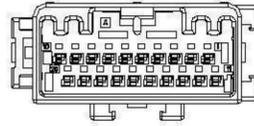
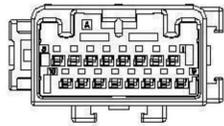
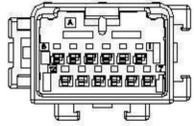
- ① Series No.
- ② Category: A-TPA Pre-Assembly Housing
- ③ Connector Type: F-Female Housing
- ④ Row No.-Pin No:
2xXX-Double Row 2xXXPin
- ⑤ Key code:Blank-Key A , D-Key D
- ⑥ Material: ES- PPE+PS UL94V-0
- ⑦ Color: GY-Gray , BK-Black , BR-Brown

Poles	Dimensions (mm)				
	A	B	C	D	E
2*06	24.20	19.10	16.40	11.00	16.50
2*08	28.60	23.50	20.80	15.40	20.90
2*10	33.00	27.90	25.20	19.80	25.30
2*12	37.40	32.30	29.60	24.20	29.70
2*14	41.80	36.70	34.00	28.60	34.10
2*16	46.20	41.10	38.40	33.00	38.50
2*18	50.60	45.50	42.80	37.40	42.90
2*20	55.00	49.90	47.20	41.80	47.30

20231218	X2	/	Add 2*18 PIN KEY D	Ed Zhou	Meng Yang	 Horus Int. Electronics Co., LTD. Horustech Electronics Co., LTD.	PART NO. HRS-2201AF-2*XXX-ESXX				
20231011	X1	ER20231011003	Add a Matching Terminal List	JianHui Zhou	Meng Yang		TITLE: 2.20mm Pitch Female Housing				
20220218	X0	/	First edition	Joshua	Meng Yang		APPROVAL	CHECK	DRAWN	DATE	
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL		Jack Zhang	Meng Yang	Joshua	2022/02/18	
						PROJECT	UNIT	SCALE	SHEET	REV	NUMBER
							mm	1:1	1/2	X2	CD

RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



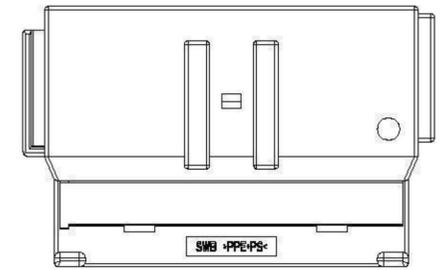
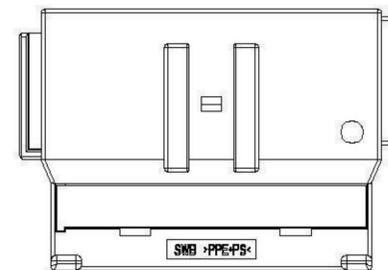
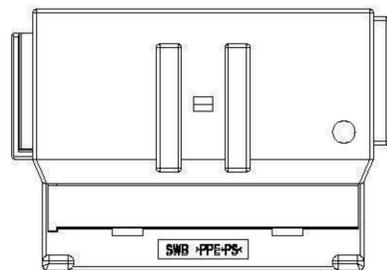
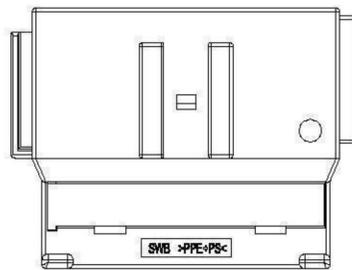
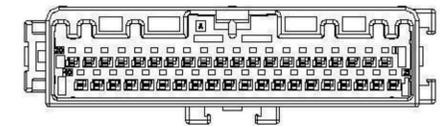
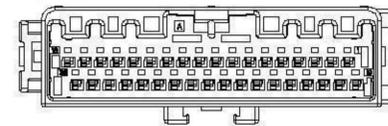
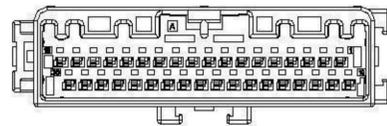
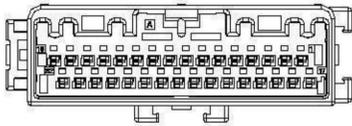
2*06PIN

2*08PIN

2*10PIN

2*12PIN

2*14PIN



2*16PIN

Key A
2*18PIN

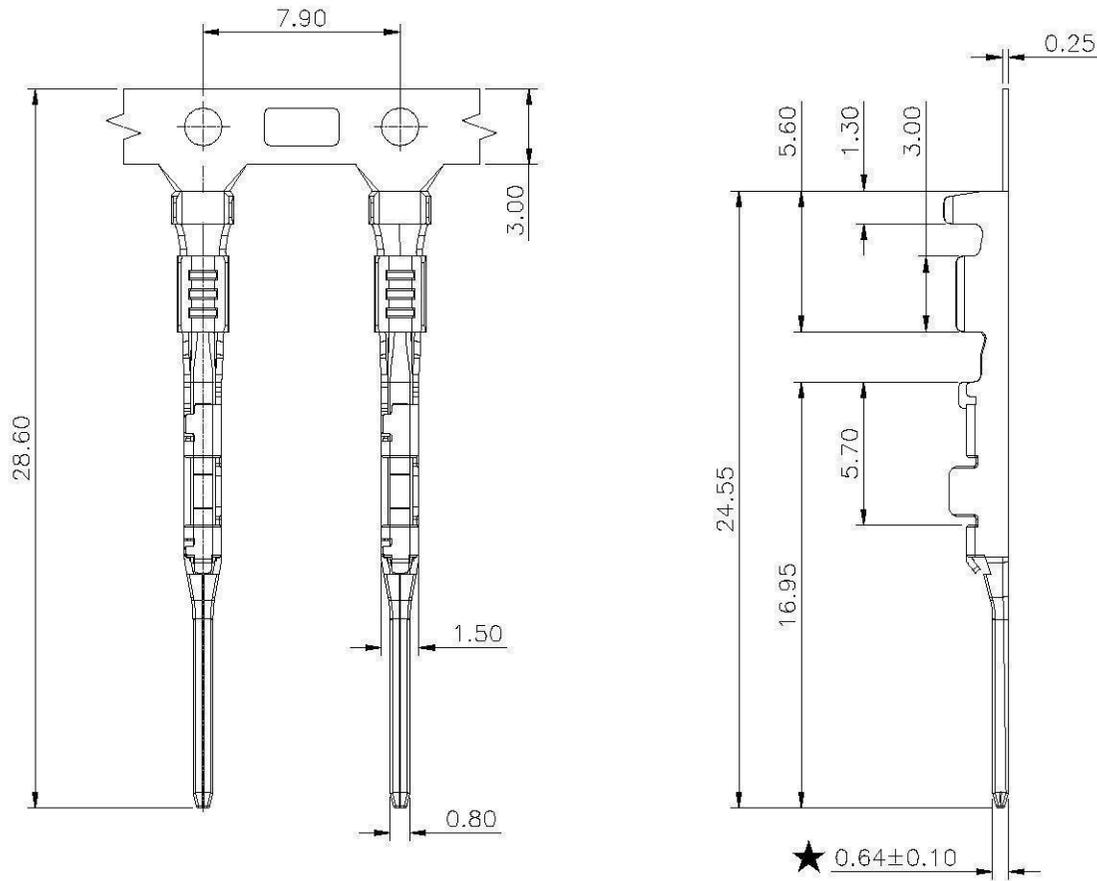
Key D
2*18PIN

2*20PIN

20231218	X2	/	Add 2*18 PIN KEY D	Ed Zhou	Meng Yang	 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2201AF-2*XXX-ESXX								
20231011	X1	ER20231011003	Add a Matching Terminal List	JianHui Zhou	Meng Yang					TITLE: 2.20mm Pitch Female Housing								
20220218	X0	/	First edition	Joshua	Meng Yang					APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL					Jack Zhang	Meng Yang	Joshua	2022/02/18	mm	1:1	2/2	X2	CD

RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



- Specifications :
- Voltage rating: 50V AC / DC
 - Current rating: 3A AC / DC
 - Withstanding voltage: 1000V AC/minute
 - Temperature range: -40°C~+125°C
 - Insulation resistance:100MΩ Min
 - Contact resistance: 20mΩ Max.
 - Symbols “★” For SPC Dimensions
 - Used In HRS Housing: HRS-2201AF

HRS-2201 I X M- B SW1
① ②③④ ⑤ ⑥

- ① Series No.
- ② Category: T-Terminal
- ③ Appearance type:
Blank-Ordinary; H-High feet; L-Low feet
- ④ M-Male Terminal
- ⑤ Material: B-Brass
- ⑥ Plating Code: SW1- Tin Plating

HRS-2201THM-BSW1	BRASS	AVSS 0.85mm²	1.80mm(Max)	2.70	2.90	2.55	3.00
HRS-2201TM-BSW1		AWG#18~20 (0.5~0.75mm²)	1.40~1.60mm	2.70	2.70	2.50	2.45
HRS-2201TLM-BSW1		AWG#24~22 (0.22~0.35mm²)	1.10~1.30mm	2.60	2.60	2.10	2.10
P/N	Material	Wire Size	Insulation O.D	DIM a	DIM b	DIM c	DIM d

2023-10-11	X6	ER20231011003	Modity 0.5~0.75mm Wire OD	JianHui Zhou	Larry Yang
2022-10-27	X5		Arrangement drawings	Joshua	Jason Huang
2022-07-18	X4	ER120220718001	Modity Insulation resistance for 100MΩ	Joshua	Zou Hong
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE

- .X ±0.35
- .XX ±0.25
- .XXX±0.15
- X.' ±2'

PROJECT

APPROVAL: Jack Zhang
CHECK: Meng Yang
DRAWN: Zhonghua Liu
DATE: 2021/09/25

Horus Int. Electronics. Co., LTD.
Horus Int. Electronics. Co., LTD.

PART NO. HRS-2201TXM-BSW1

TITLE: 2.20mm Crimp Style Male Terminal

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	X6	CD

RoHS

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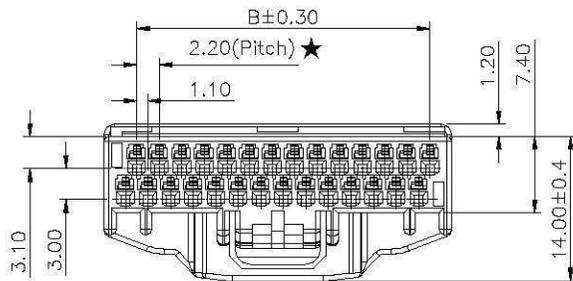
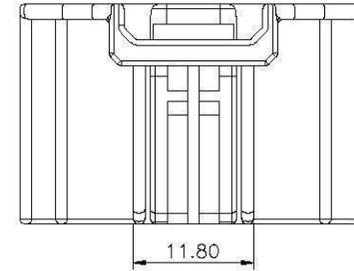
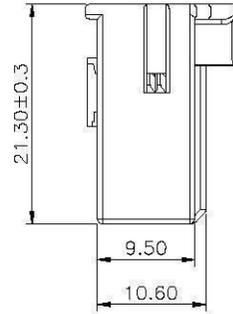
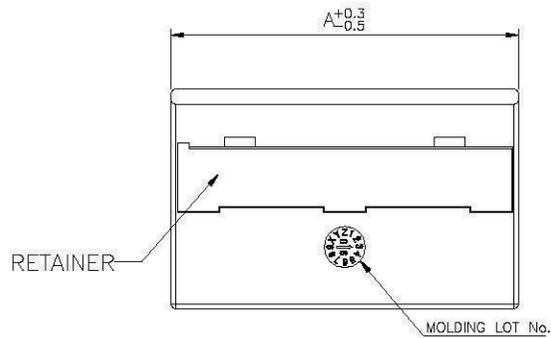
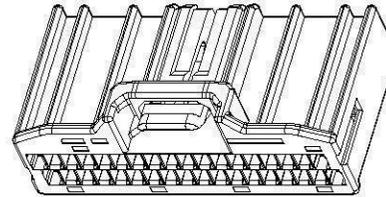
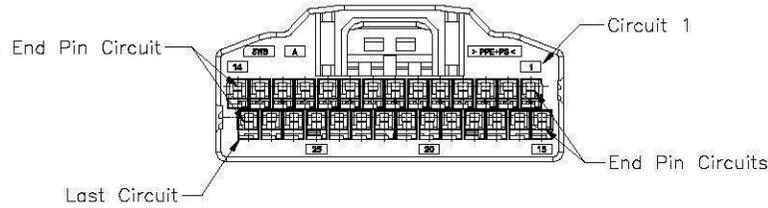


TABLE 1: Matching Terminal List

P/N	Applicable Wire		Applicable Housing Pin Circuits
HRS-2201THF-HY2B	0.85mm ² (AVSS)	1.80mm(Max)	Four both ends pin circuits can be applied Other pin circuits are not applicable
HRS-2201TF-HY2B	AWG#20~18 (0.5~0.75mm ²)	1.40~1.60mm	All pin circuits can be applied
HRS-2201TLF-HY2B	AWG#24~22 (0.22~0.35mm ²)	1.10~1.30mm	All pin circuits can be applied

Note: Please refer to the crimping specification for details

Specifications :

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max.AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: 100MΩ Min
- Contact resistance: 20mΩ Max.
- Material(Retainer): PPE+PS UL94V-0
- Mates With HRS Terminal: HRS-2201TXF
- Symbols "★" For SPC Dimensions
- Product Specification: PS-HRS-2201-1
- Packaging: See Drawing: PK-HRS-2201AM-2*XXX-ESXX

HRS-2201 A M - 2*XX X - ES XX
 ① ② ③ ④ ⑤ ⑥ ⑦

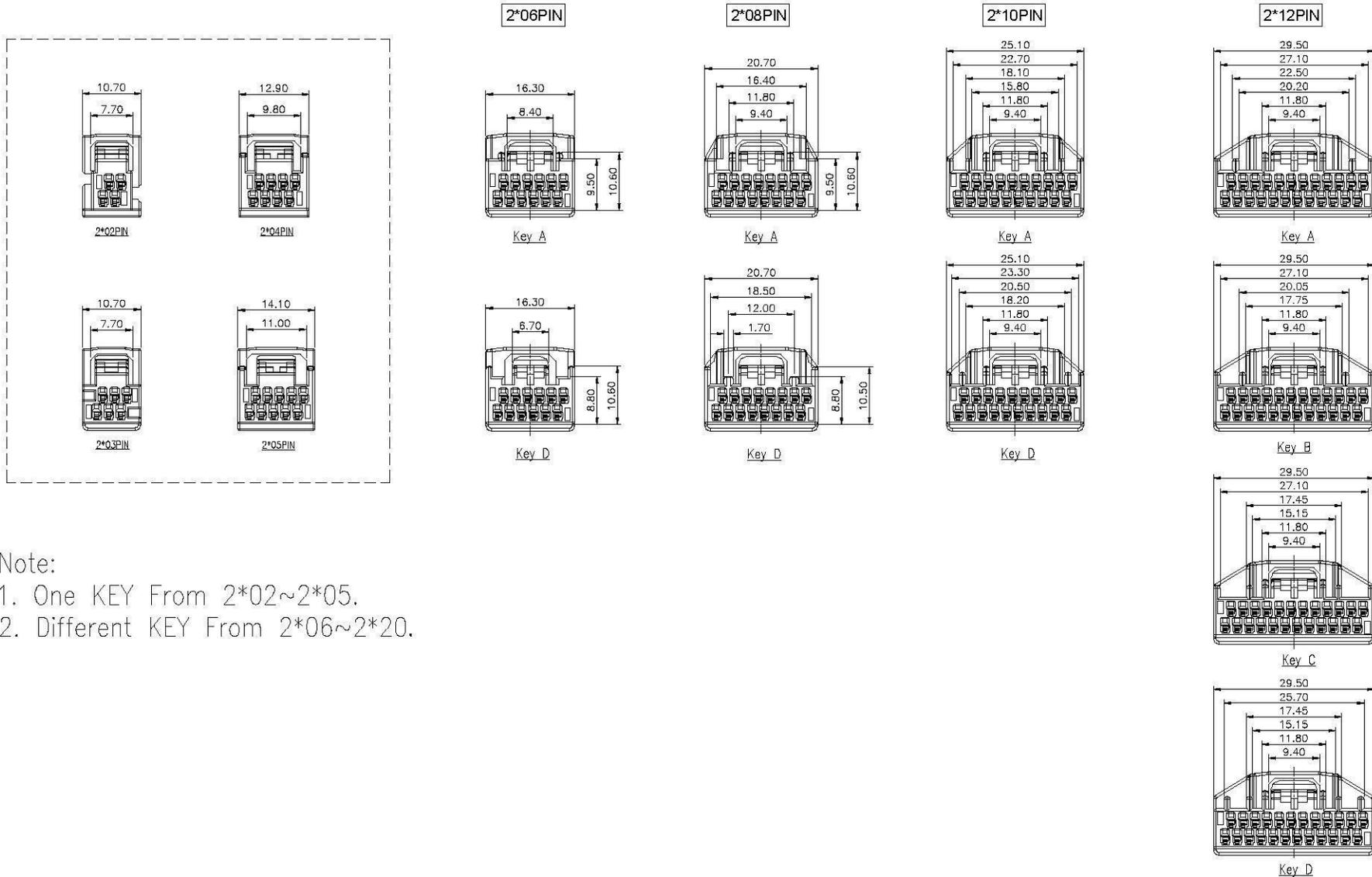
- ① Series No.
- ② Category: A-TPA Pre-Assembly Housing
- ③ Connector Type: M-Male Housing
- ④ Row No.-Pin No:
2*XX-Double Row 2*XXPin
- ⑤ Key code: Blank-Key A , B-Key B
C-Key C , D-Key D
- ⑥ Material: ES-PPE+PS UL94V-0
- ⑦ Color: GY-Gray , BK-Black , BL-Blue
BR-Brown

Poles	A	B
2*02	10.70	2.20
2*03	10.70	4.40
2*04	12.90	6.60
2*05	14.10	8.80
2*06	16.30	11.00
2*08	20.70	15.40
2*10	25.10	19.80
2*12	29.50	24.20
2*14	33.90	28.60
2*16	38.30	33.00
2*18	42.70	37.40
2*20	47.10	41.80

REVISION					GENERAL TOLERANCE				APPROVAL				PART NO.					
20231225	A2	ER20231110001	Update the cutout holes	Ed Zhou	Larry Yang	.X ±0.35	 Horus Int. Electronics Co., LTD. Horustech Electronics Co., LTD.			HRS-2201AM-2*XXX-ESXX								
20231011	A1	ER20231011003	Add a Matching Terminal List	JianHui Zhou	Larry Yang	.XX ±0.25				TITLE:				2.20mm Pitch Male Housing				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	.XXX±0.15				APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
						X' ±2'				Jack Zhang	Meng Yang	Zhonghua Liu	2022/10/26	mm	1:1	1/3	A2	CD
						PROJECT												

RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules

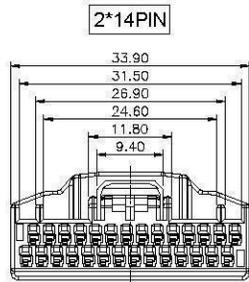


Note:
 1. One KEY From 2*02~2*05.
 2. Different KEY From 2*06~2*20.

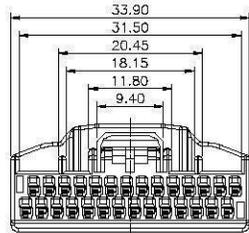
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20231225	A2	ER20231110001	Update the cutout holes	Ed Zhou	Larry Yang	APPROVAL	CHECK	DRAWN	DATE	TITLE: 2.20mm Pitch Male Housing							
20231011	A1	ER20231011003	Add a Matching Terminal List	JianHui Zhou	Larry Yang	Jack Zhang	Meng Yang	Zhonghua Liu	2022/10/26	UNIT	SCALE	SHEET	REV	NUMBER			
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL					mm	1:1	2/3	A2	CD			

RoHS

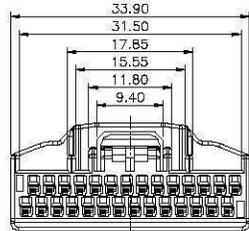
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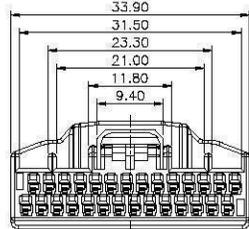
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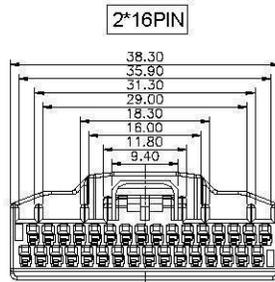
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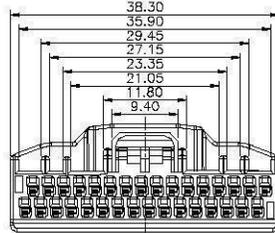
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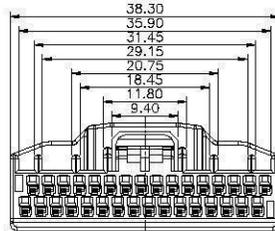
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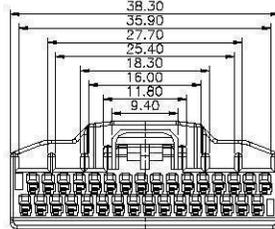
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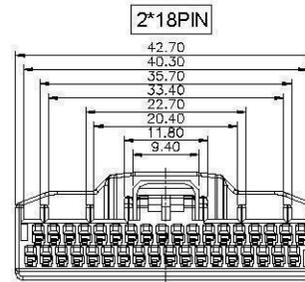
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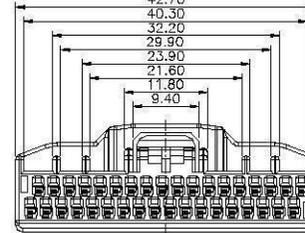
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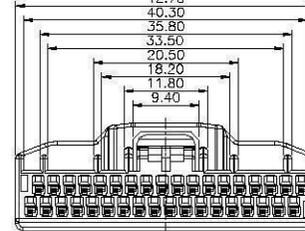
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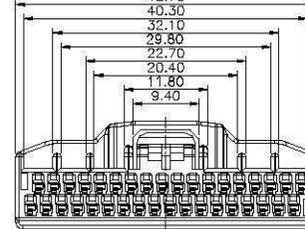
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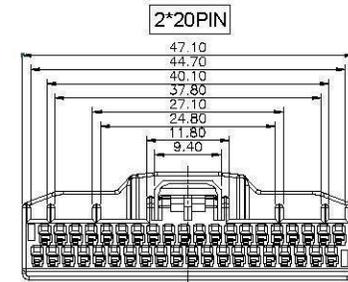
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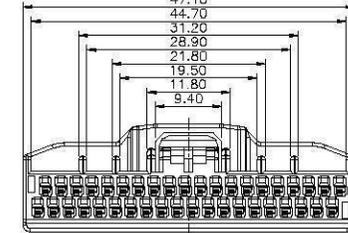
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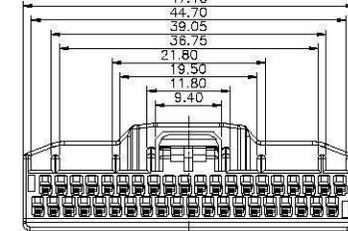
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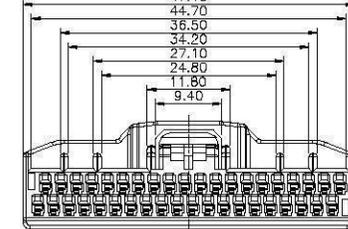
Key A



Key B



Key C



Key D

20231225	A2	ER20231110001	Update the cutout holes	Ed Zhou	Larry Yang
20231011	A1	ER20231011003	Add a Matching Terminal List	JianHui Zhou	Larry Yang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE
 .X ±0.35
 .XX ±0.25
 .XXX±0.15
 X.' ±2'

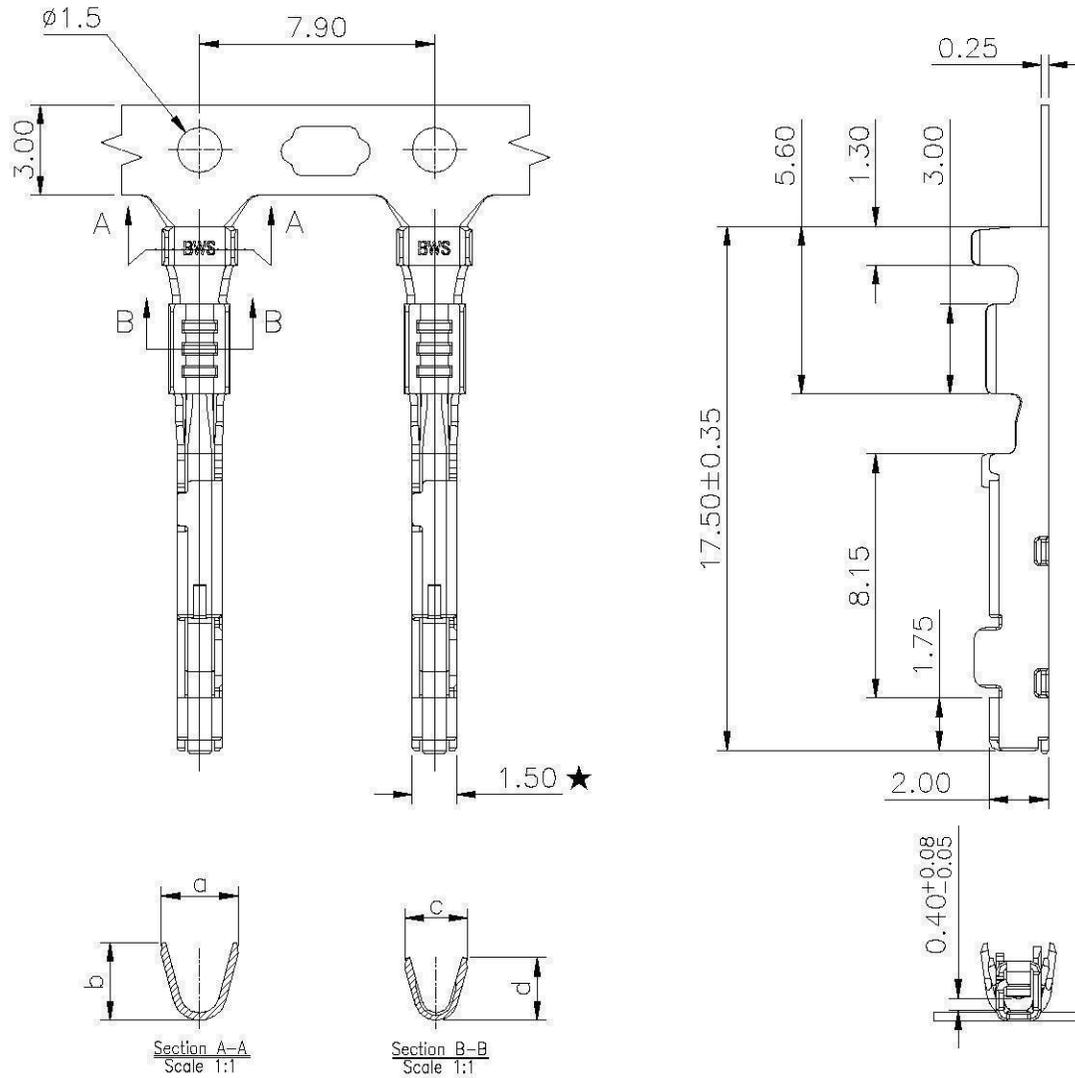
Horus Int. Electronics. Co., LTD.
Horustech Electronics. Co., LTD.

APPROVAL: Jack Zhang
 CHECK: Meng Yang
 DRAWN: Zhonghua Liu
 DATE: 2022/10/26

PART NO. HRS-2201AM-2*XXX-ESXX				
TITLE: 2.20mm Pitch Male Housing				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	3/3	A2	CD

RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



Specifications :

- Voltage rating: 50V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- Insulation resistance: 100M Ω Min
- Contact resistance: 20m Ω Max.
- Symbols "★" For SPC Dimensions
- Used In HRS Housing: HRS-2201AM

HRS- 2201 I X F- H Y2 B
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Series No.
- ② Category: T-Terminal
- ③ Appearance type:
Blank-Ordinary; H-High feet; L-Low feet
- ④ F-Female Terminal
- ⑤ Material: H-Copper Alloy
- ⑥ Y2-Sn 40~120u" (1~3um)
- ⑦ B-Stamping After Plating

HRS-2201THF-HY2B	Copper Alloy	AVSS 0.85mm ²	1.80mm(Max)	2.70	2.90	2.55	3.00
HRS-2201TF-HY2B		AWG#18~20 (0.5~0.75mm ²)	1.40~1.60mm	2.70	2.70	2.50	2.45
HRS-2201TLF-HY2B		AWG#24~22 (0.22~0.35mm ²)	1.10~1.30mm	2.60	2.60	2.10	2.10
P/N	Material	Wire Size	Insulation O.D	DIM a	DIM b	DIM c	DIM d

20231011	A1	ER20231011003	Modify 0.5~0.75mm Wire OD	JianHui Zhou	Larry Yang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE
 .X ± 0.35
 .XX ± 0.25
 .XXX ± 0.15
 X.' $\pm 2'$

PROJECT

Horus Int. Electronics. Co., LTD.
 Horustech Electronics. Co., LTD.

APPROVAL: Jack Zhang
 CHECK: Meng Yang
 DRAWN: Zhonghua Liu
 DATE: 2022/10/26

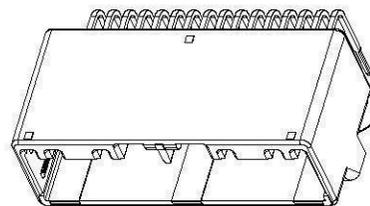
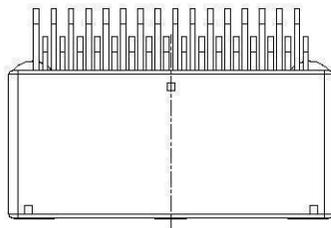
PART NO. HRS-2201TXF-HY2B

TITLE: 2.20mm Crimp Style Terminal

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A1	CD

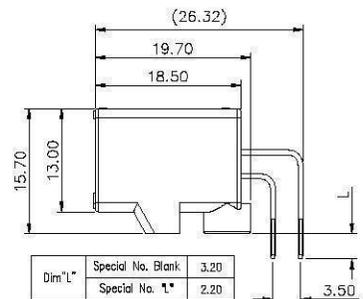
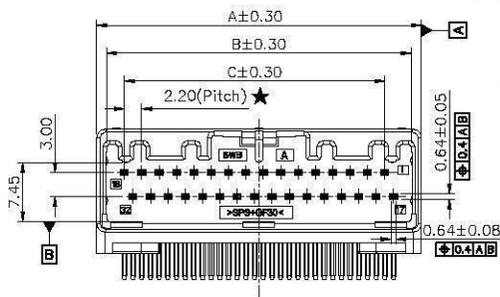
RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



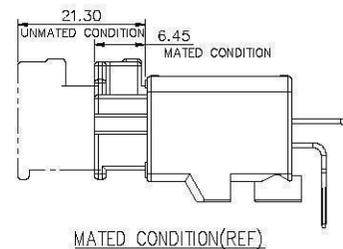
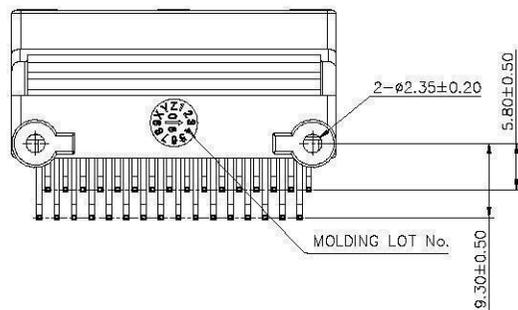
- Specifications :
- Voltage rating: 50V Max. AC / DC
 - Current rating: 3A Max.AC / DC
 - Withstanding voltage: 1000V AC/minute
 - Temperature range: -40°C~+125°C
 - Insulation resistance: 100MΩ
 - Contact resistance: 20mΩ Max.
 - Material(Pin): Brass
 - Mates With HRS Housing: HRS-2201AM
 - Symbols ★ For SPC Dimensions
 - Product Specification: PS-HRS-2201-1
 - Packaging: See Drawing:
PK-HRS-2201WR-2*XXX-SSXXXX

HRS- 2201 W R - 2*XX X X- SS XXX X X
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩



Dim"L"	Special No. Blank	3.20
	Special No. ★	2.20

- ① Series No.
- ② Category: Header
- ③ Connector Type: Horizontal 90°
- ④ Row No.-Pin No: 2*XX-Double Row 2*XXPin
- ⑤ Special No.: Blank-DIP Length 3.20mm
L-DIP Length 2.20mm
- ⑥ Key code: Blank-Key A ,B-Key B ,C-Key C ,D-Key D
- ⑦ Plastic material: SS- SPS UL94V-0
- ⑧ Plating Code: SW1-Tin Plating
Underplate: Ni 32u"~200u"(0.8um~5.0um) overall
Top Plating: Sn 24u"~150u"(0.6um~3.75um) overall
- ⑨ Color: B-Black, G-Gray, L-Blue, Z-Brown
- ⑩ Packing: G-Tube



Poles	Dimensions (mm)		
	A	B	C
2*02	10.30	8.10	2.20
2*03	13.10	11.10	4.40
2*04	15.70	13.10	6.60
2*05	16.90	14.30	8.80
2*06	19.10	16.50	11.00
2*08	23.50	20.90	15.40
2*10	27.90	25.30	19.80
2*12	32.30	29.70	24.20
2*14	36.70	34.10	28.60
2*16	41.10	38.50	33.00
2*18	45.50	43.00	37.40
2*20	49.90	47.40	41.80

GENERAL TOLERANCE

- .X ±0.35
- .XX ±0.25
- .XXX±0.15
- X* ±2*

PROJECT



Horus Int. Electronics. Co., LTD.
HorusTech Electronics. Co., LTD.

APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

PART NO.

HRS-2201WR-2*XXX-SSXXXX

TITLE:

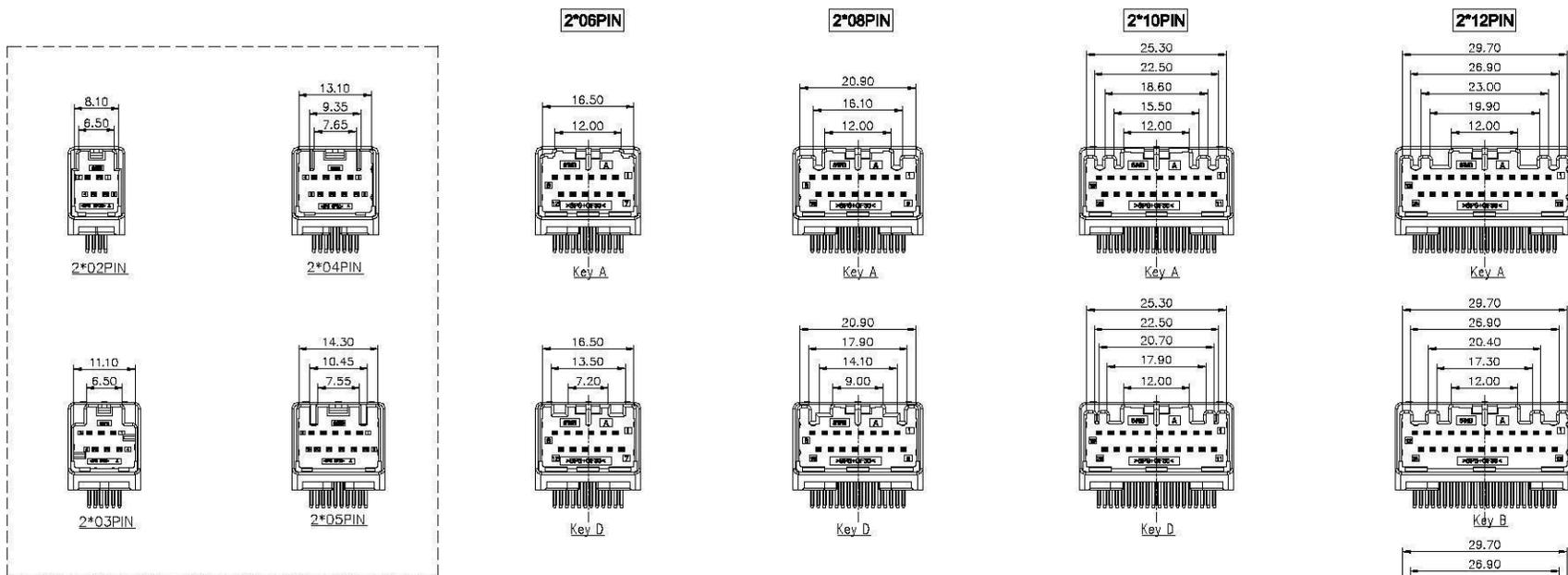
2.20mm Pitch Header
ASSY Horizontal 90° DIP

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/3	A0	CD

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

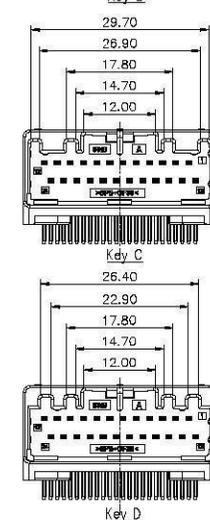
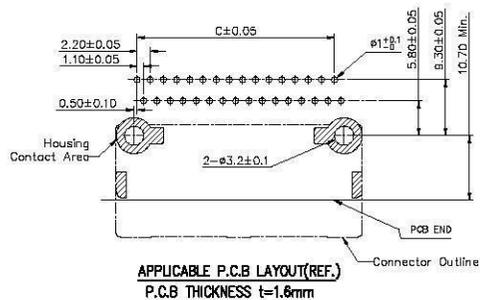
RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



Note:

1. One KEY From 2*02~2*05.
2. Different KEY From 2*06~2*20.



GENERAL TOLERANCE	
.X	±0.35
.XX	±0.25
.XXX	±0.15
X*	±2*
PROJECT	



Horus Int. Electronics Co., LTD.
Horus Tech Electronics Co., LTD.

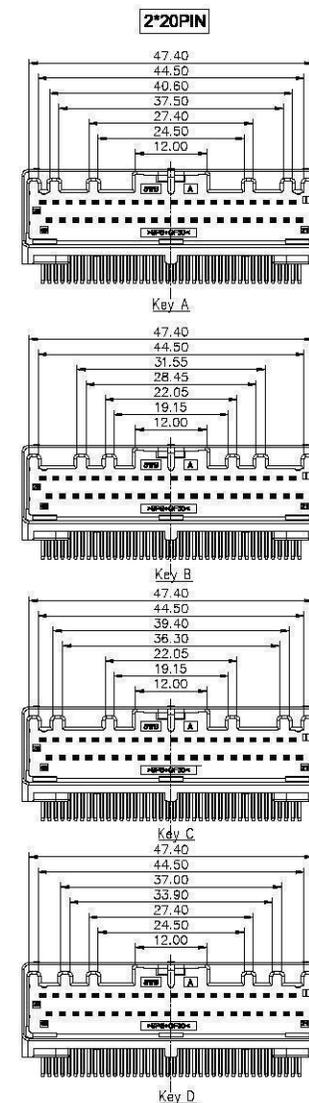
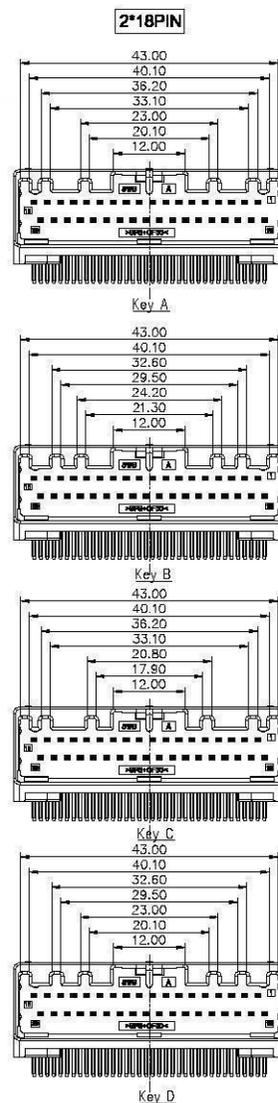
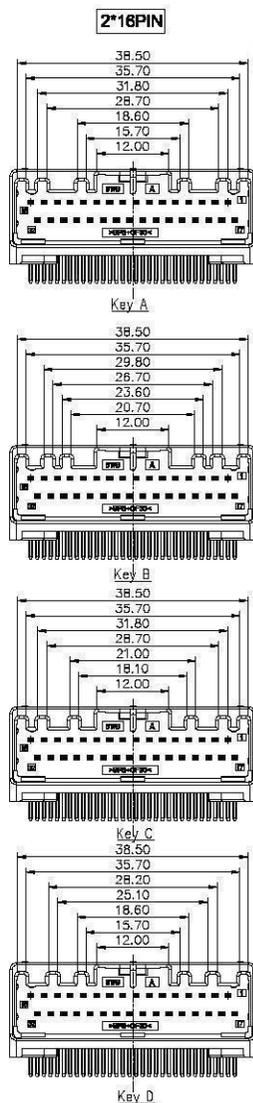
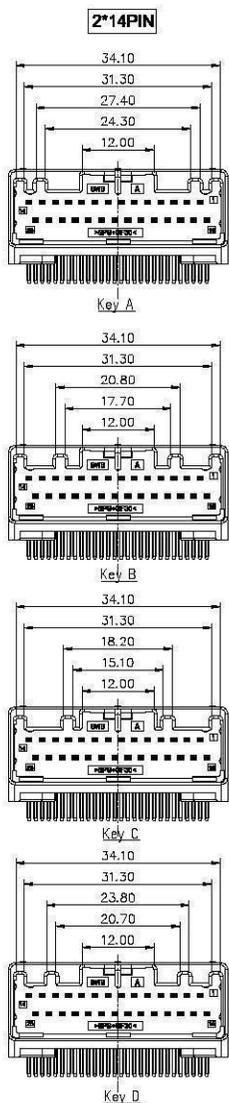
APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

PART NO.				
HRS-2201WR-2*XXXX-SSXXXX				
TITLE:				
2.20mm Pitch Header ASSY Horizontal 90° DIP				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	2/3	A0	CD

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

RoHS

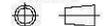
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



GENERAL TOLERANCE

- .X ±0.35
- .XX ±0.25
- .XXX±0.15
- X' ±2°

PROJECT



Horus Int. Electronics Co., LTD.
HorusTech Electronics Co., LTD.

APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

PART NO.
HRS-2201WR-2*XXXX-SSXXXX

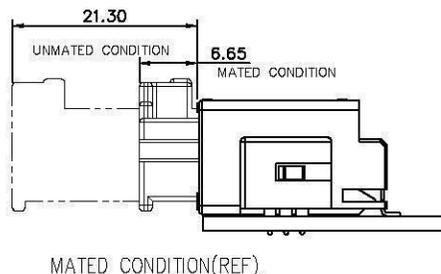
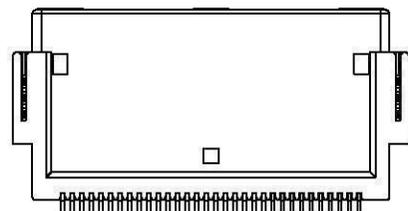
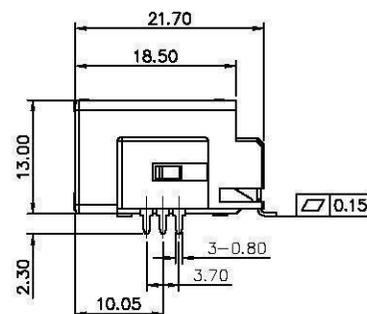
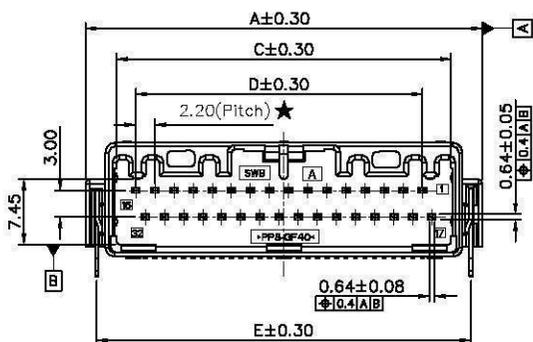
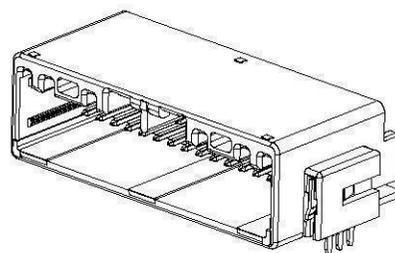
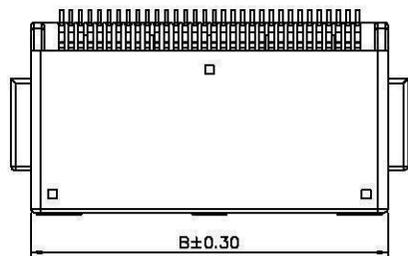
TITLE:
2.20mm Pitch Header ASSY Horizontal 90° DIP

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	3/3	A0	CD

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL
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RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



■ Specifications :

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max.AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: 100MΩ
- Contact resistance: 20mΩ Max.
- Material(Pin): Brass
- Mates With HRS Housing:HRS-2201AM
- Symbols ★T or SPC Dimensions
- Product Specification: PS-HRS-2201-01
- Packaging: See Drawing PK-HRS-2201WRS-2*XXCX-PPXXXX

HRS-2201 WRS - 2*XX C X- PP XXX X X
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

- ① Series No.
- ② Category: Header
- ③ Connector Type: Horizontal 90°
- ④ S-SMT TYPE
- ⑤ Row No.-Pin No: 2*XX-Double Row 2*XXPin
- ⑥ Special No.:C-With Hold down
- ⑦ Key code:Blank-Key A ,B-Key B ,C-Key C ,D-Key D
- ⑧ Plastic material: PP- PPS UL94V-0
- ⑨ Plating Code: SW1-Tin Plating
 Underplate: Ni 32u"~200u"(0.8um~5.0um) overall
 Top Plating:Sn 24u"~150u"(0.6um~3.75um) overall
- ⑩ Color: B-Black , G-Gray , L-Blue , Z-Brown
- ⑪ Packing: T-Tray Package

Poles	Dimensions (mm)				
	A	B	C	D	E
2*02	14.90	10.30	8.10	2.20	12.20
2*03	17.70	13.10	11.10	4.40	15.00
2*04	20.30	15.70	13.10	6.60	17.60
2*05	21.50	16.90	14.30	8.80	18.80
2*06	23.70	19.10	16.50	11.00	21.10
2*08	28.10	23.50	20.90	15.40	25.50
2*10	32.50	27.90	25.30	19.80	29.90
2*12	36.90	32.30	29.70	24.20	34.30
2*14	41.30	36.70	34.10	28.60	38.70
2*16	45.70	41.10	38.50	33.00	43.10
2*18	50.10	45.50	43.00	37.40	47.50
2*20	54.50	49.90	47.40	41.80	51.90

GENERAL TOLERANCE

- .X ±0.35
- .XX ±0.25
- .XXX±0.15
- X* ±2*

PROJECT



Horus Int. Electronics Co., LTD.
 Horustech Electronics Co., LTD.

APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

PART NO.
 HRS-2201WRS-2*XXCX-PPXXXX

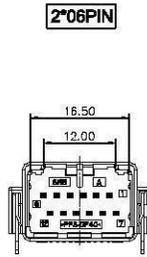
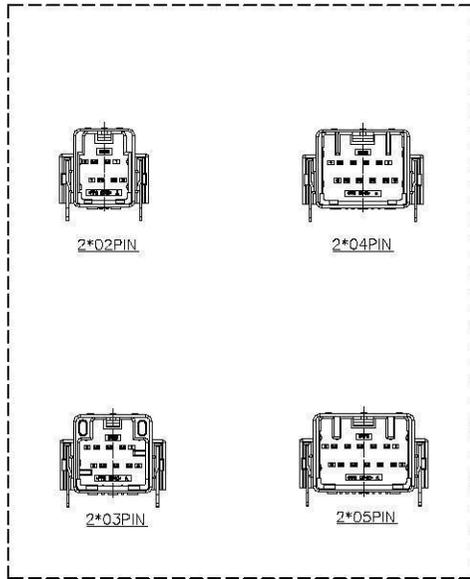
TITLE:
 2.20mm Pitch Header
 ASSY Horizontal 90° SMT

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/3	A0	CD

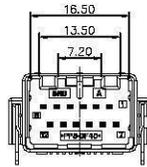
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RoHS

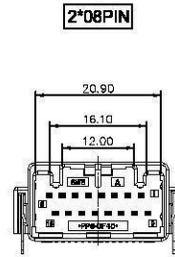
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



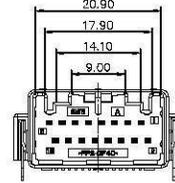
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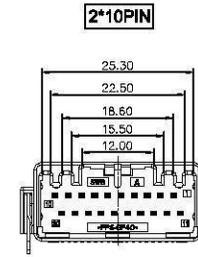
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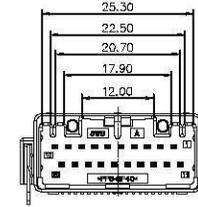
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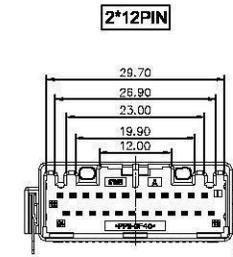
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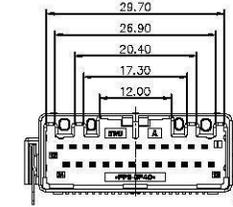
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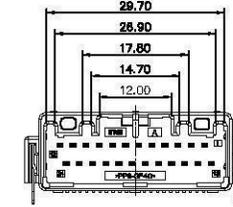
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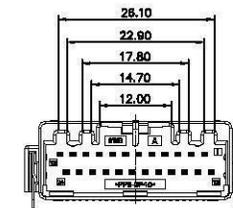
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Key B



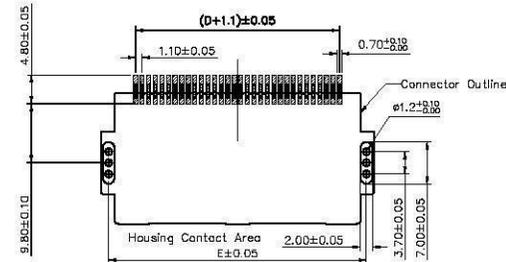
Key C



Key D

Note:

1. One KEY From 2*02~2*05.
2. Different KEY From 2*06~2*20.



APPLICABLE P.C.B LAYOUT(REF.)
 General Tolerance±0.05 L=1.6mm
 RECOMMENDED SOLDER THICKNESS IS 0.15mm

GENERAL TOLERANCE

.X	±0.35
.XX	±0.25
.XXX	±0.15
X' ±2'	

PROJECT



Horus Int. Electronics Co., LTD.
 Horustech Electronics Co., LTD.

APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

PART NO.

HRS-2201WRS-2*XXCX-PPXXXX

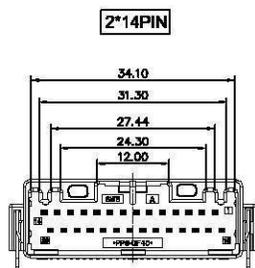
TITLE: 2.20mm Pitch Header
 ASSY Horizontal 90° SMT

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	2/3	A0	CD

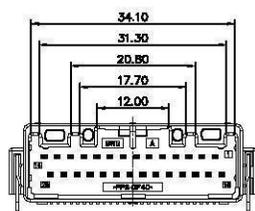
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

RoHS

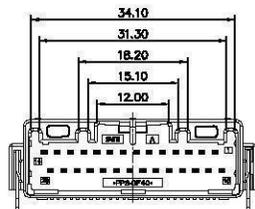
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



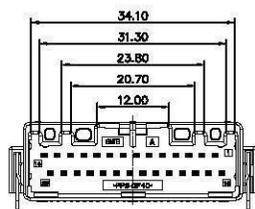
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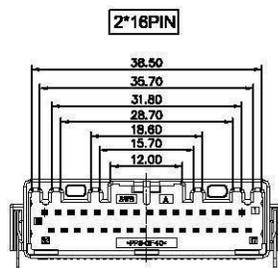
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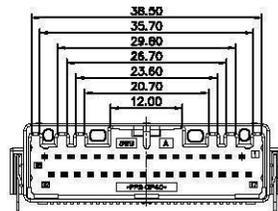
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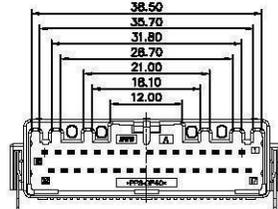
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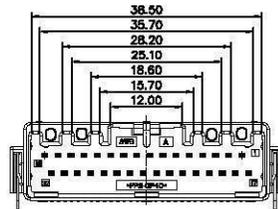
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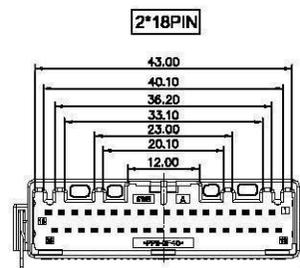
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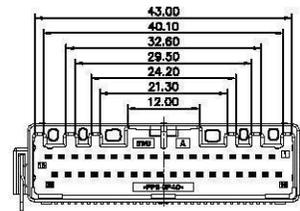
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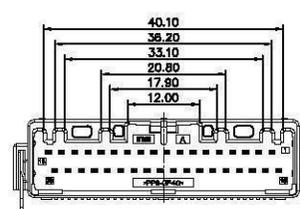
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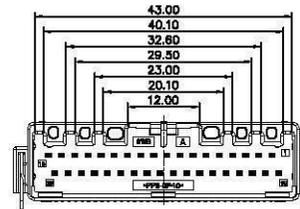
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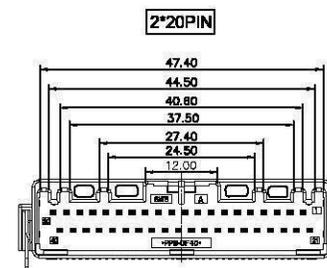
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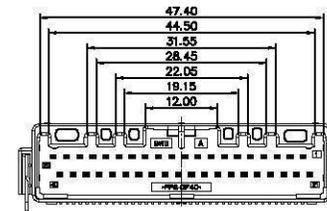
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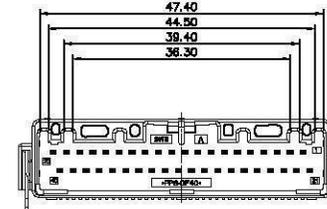
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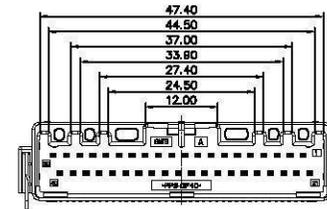
Key A



Key B



Key C



Key D

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX±0.15

X' ±2°

PROJECT

⊕ ⊖



Horus Int. Electronics. Co., LTD.
HorusTech Electronics. Co., LTD.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Meng Yang

Zhonghua Liu

2022/10/26

PART NO.

HRS-2201WRS-2*XXCX-PPXXXX

TITLE: 2.20mm Pitch Header
ASSY Horizontal 90° SMT

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

3/3

A0

CD

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL

1

2

3

4

5

6

7

8

RoHS

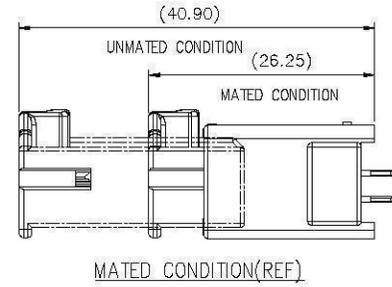
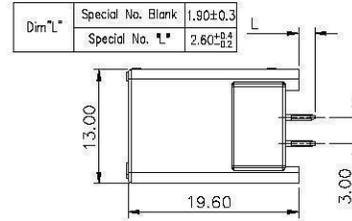
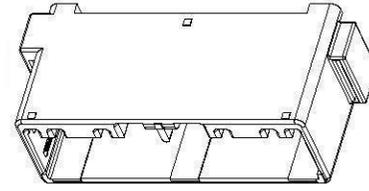
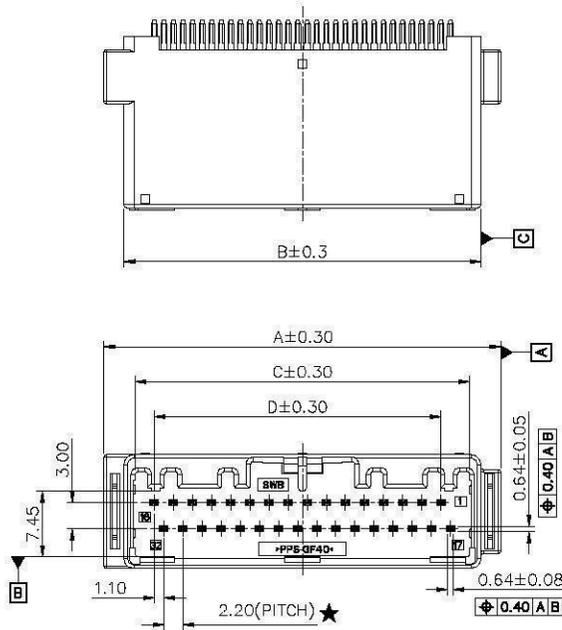
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules

Specifications :

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max.AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: 100MΩ
- Contact resistance: 20mΩ Max
- Material(Pin): Brass
- Mates With HRS Housing:HRS-2201AM
- Symbols ★★ For SPC Dimensions
- Product Specification: PS-HRS-2201-01
- Packaging: See Drawing:PK-HRS-2201WV-2*XXX-PPSW1BG

HRS-2201 W V - 2*XX X X - PP XXX X X
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.
- ② Category: Wafer
- ③ Connector Type: Vertical 180°
- ④ Row No.-Pin No: 2*XX-Double Row 2*XXPin
- ⑤ Special No.: Blank-DIP Length 1.90mm
L-DIP Length 2.60mm
- ⑥ Key code:Blank-Key A ,B-Key B ,C-Key C ,D-Key D
- ⑦ Plastic material: PP- PPS UL94V-0
- ⑧ Plating Code: SW1-Tin Plating
Underplate: Ni 32u"~200u"(0.8um~5.0um) overall
Top Plating:Sn 24u"~150u"(0.6um~3.75um) overall
- ⑨ Color: B-Black , G-Gray , L-Blue , Z-Brown
- ⑩ Packing: G-Tube



Poles	Dimensions (mm)			
	A	B	C	D
2*02	14.90	10.30	8.10	2.20
2*03	17.70	13.10	11.10	4.40
2*04	20.30	15.70	13.10	6.60
2*05	21.50	16.90	14.30	8.80
2*06	23.70	19.10	16.50	11.00
2*08	28.10	23.50	20.90	15.40
2*10	32.50	27.90	25.30	19.80
2*12	36.90	32.30	29.70	24.20
2*14	41.30	36.70	34.10	28.60
2*16	45.70	41.10	38.50	33.00
2*18	50.10	45.50	43.00	37.40
2*20	54.50	49.90	47.40	41.80

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE
 .X ±0.35
 .XX ±0.25
 .XXX±0.15
 X* ±2*
 PROJECT

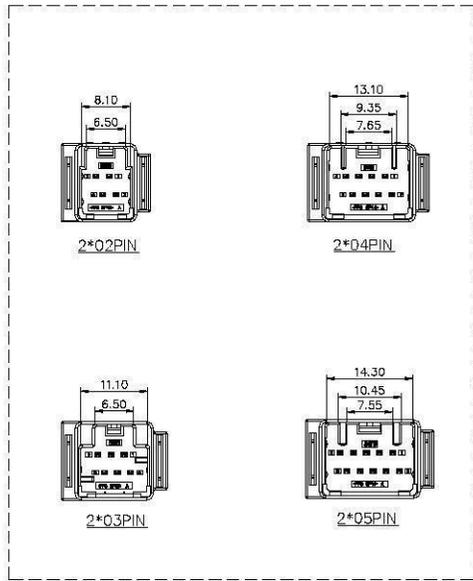
Horus Int. Electronics Co., LTD.
Horus Int. Electronics Co., LTD.

APPROVAL: Jason Huang
 CHECK: Meng Yang
 DRAWN: Zhonghua Liu
 DATE: 2022/10/26

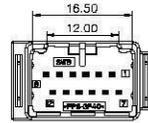
PART NO. HRS-2201WV-2*XXX-PPSW1BG				
TITLE: 2.20mm Pitch Header ASSY Vertical 180° DIP				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/3	A0	00

RoHS

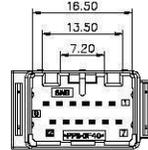
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



2*06PIN

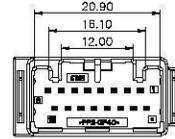


Key A

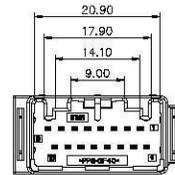


Key D

2*08PIN

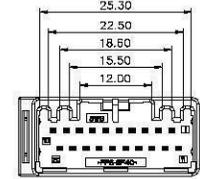


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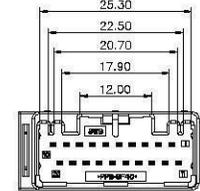


Key D

2*10PIN

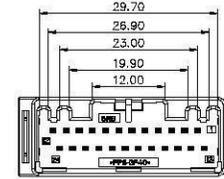


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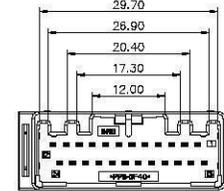


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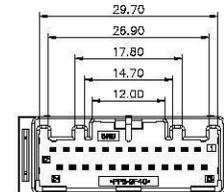
2*12PIN



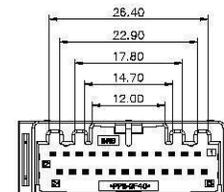
Key A



Key B



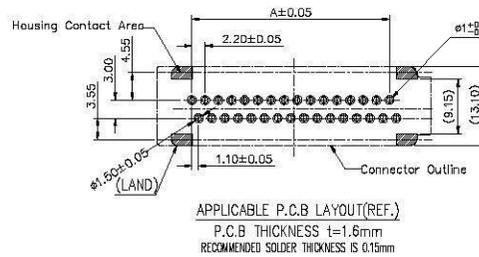
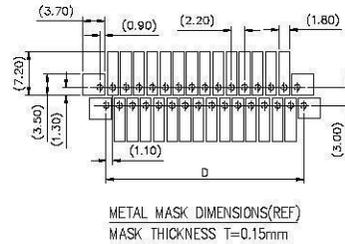
Key C



Key D

Note:

1. One KEY From 2*02~2*05.
2. Different KEY From 2*06~2*20.



DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE
.X ±0.35
.XX ±0.25
.XXX±0.15
X' ±2°
PROJECT



Horus Int. Electronics Co., LTD.
HorusTech Electronics Co., LTD.

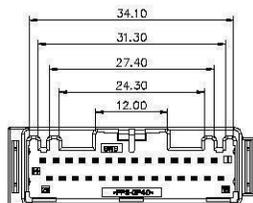
APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

PART NO.				
HRS-2201WV-2*XXX-PPSW18G				
TITLE:				
2.20mm Pitch Header ASSY Vertical 180° DIP				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	2/3	A0	CD

RoHS

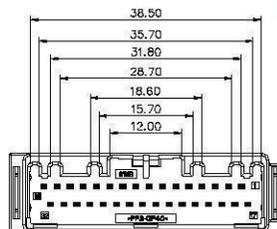
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules

2*14PIN



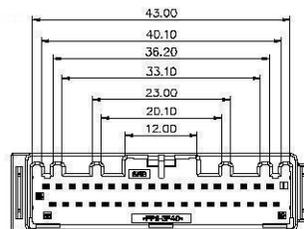
Key A

2*16PIN



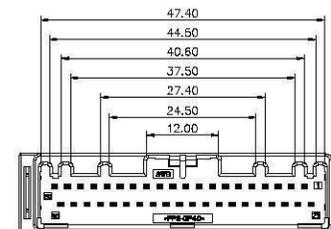
Key A

2*18PIN

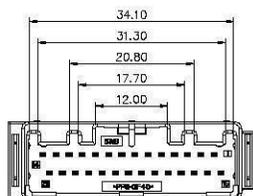


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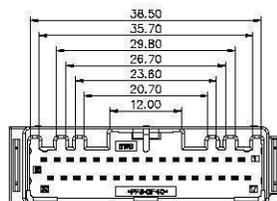
2*20PIN



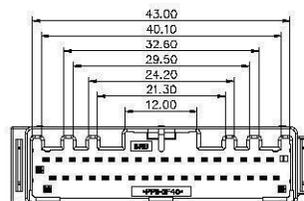
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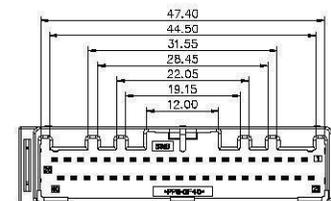
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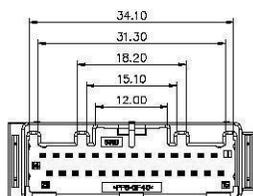
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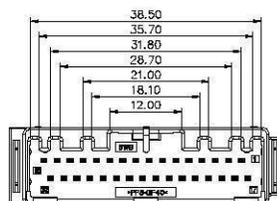
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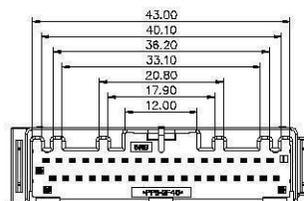
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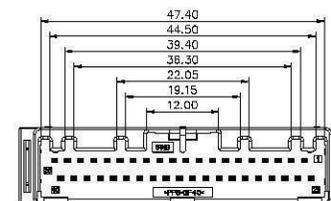
Key C



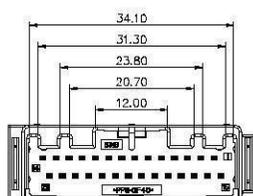
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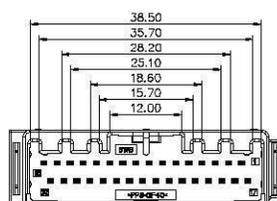
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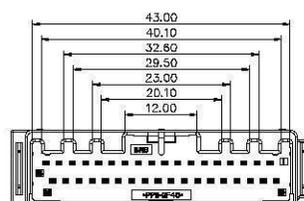
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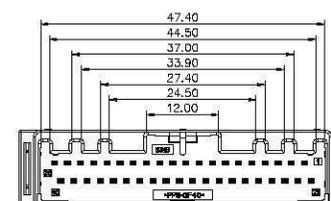
Key D



Key D



Key D



Key D

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX±0.15

X' ±2°

PROJECT

⊕ ⊖



Horus Int. Electronics Co., LTD.
HorusTech Electronics Co., LTD.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Meng Yang

Zhonghua Liu

2022/10/26

PART NO.

HRS-2201WVS-2*XXXX-PPXXXX

TITLE: 2.20mm Pitch Header
ASSY Vertical 180° DIP

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	3/3	A0	00

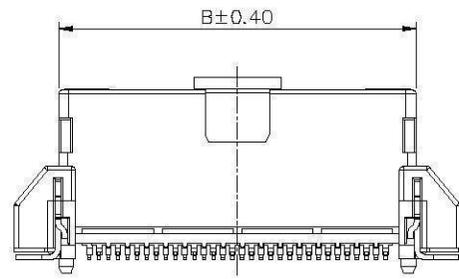
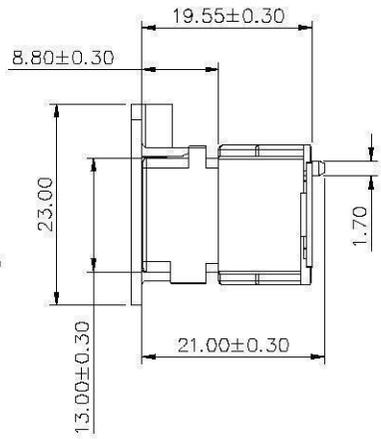
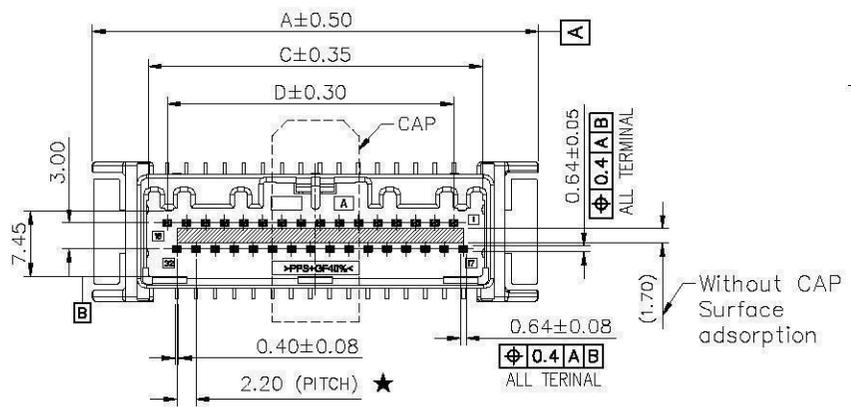
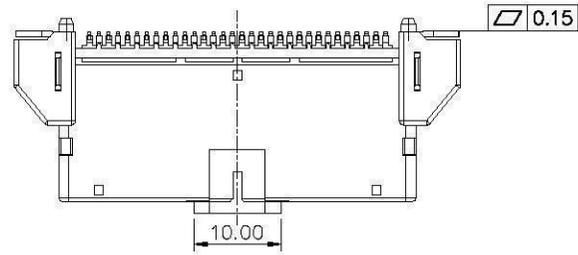
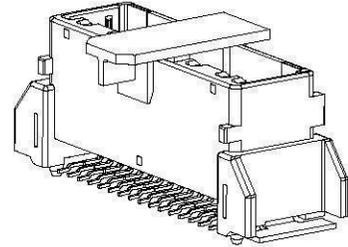
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules

Specifications :

- Voltage rating: 50V Max. AC / DC
- Current rating: 3A Max.AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: 100MΩ
- Contact resistance: 20mΩ Max.
- Material(Pin): Brass
- Mates With HRS Housing: HRS-2201AM
- Symbols ★ For SPC Dimensions
- Product Specification: PS-HRS-2201-01
- Packaging: See Drawing PK-HRS-2201WVS-2*XXXX-PPXXXX



HRS-2201 W V S - 2*XX X X- PP XXX X X
 ① ②③④ ⑤ ⑥⑦ ⑧ ⑨ ⑩⑪

- ① Series No.
- ② Category: Headerr
- ③ Connector Type: Vertical 180°
- ④ S-SMT TYPE
- ⑤ Row No.-Pin No: 2*XX-Double Row 2*XXPin
- ⑥ Special No.: P-with post
- ⑦ Key code: Blank-Key A ,B-Key B ,C-Key C ,D-Key D
- ⑧ Plastic material: PP- PPS UL94V-0
- ⑨ Plating Code: SW1-Tin Plating
 Underplate: Ni 32u"~200u"(0.8um~5.0um) overall
 Top Plating: Sn 24u"~150u"(0.6um~3.75um) overall
- ⑩ Color: B-Black , G-Gray , L-Blue , Z-Brown
- ⑪ Packing: T-Without CAP and Tray Package
 Y-With CAP and Tray Package

Poles	A	B	C	D	E	F
2*02	20.60	10.30	8.10	2.20	8.60	22.30
2*03	22.80	13.10	11.10	4.40	10.80	24.50
2*04	25.00	15.70	13.10	6.60	13.00	26.70
2*05	27.20	16.90	14.30	8.80	15.20	28.90
2*06	29.40	19.10	16.50	11.00	17.40	31.10
2*08	33.80	23.50	20.90	15.40	21.80	35.50
2*10	38.20	27.90	25.30	19.80	26.20	39.90
2*12	42.60	32.30	29.70	24.20	30.60	44.30
2*14	47.00	36.70	34.10	28.60	35.00	48.70
2*16	51.40	41.10	38.50	33.00	39.40	53.10
2*18	55.80	45.50	42.90	37.40	43.80	57.50
2*20	60.20	49.90	47.30	41.80	48.20	61.90

GENERAL TOLERANCE
.X ±0.35
.XX ±0.25
.XXX±0.15
X' ±2*
PROJECT



Horus Int. Electronics Co., LTD.
 Horustech Electronics Co., LTD.

PART NO.
 HRS-2201WVS-2*XXXX-PPXXXX

TITLE:
 2.20mm Pitch Header
 ASSY Vertical 180° SMT

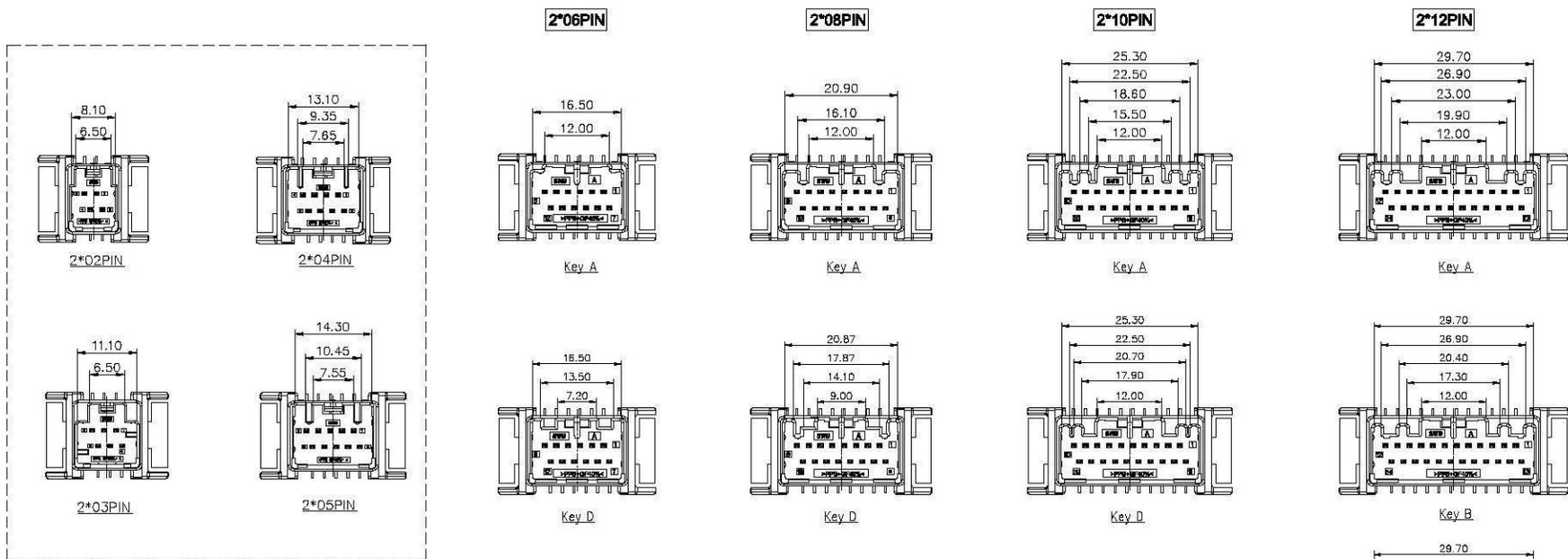
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/3	A0	A-000

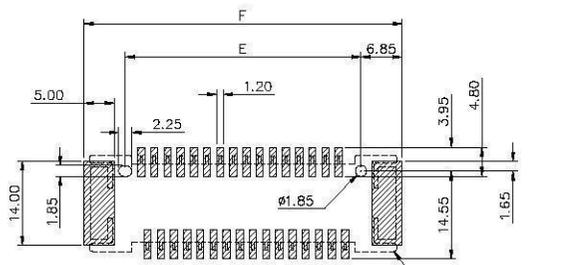
RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



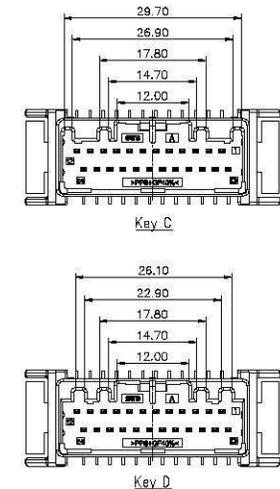
Note:

1. One KEY From 2*02~2*05.
2. Different KEY From 2*06~2*20.



APPLICABLE P.C.B LAYOUT(REF.)

General Tolerance ± 0.05 t=1.6mm
RECOMMENDED SOLDER THICKNESS IS 0.15mm



GENERAL TOLERANCE

.X ± 0.35

.XX ± 0.25

.XXX ± 0.15

X' $\pm 2^\circ$

PROJECT



Horus Int. Electronics Co., LTD.
HorusTech Electronics Co., LTD.

APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

PART NO.

HRS-2201WVS-2*XXXX-PPXXXX

TITLE:

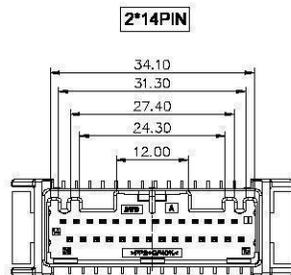
2.20mm Pitch Header
ASSY Vertical 180° SMT

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	2/3	A0	A-000

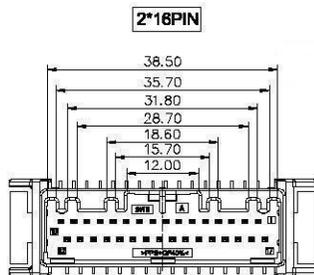
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

RoHS

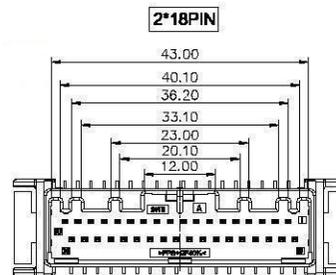
This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



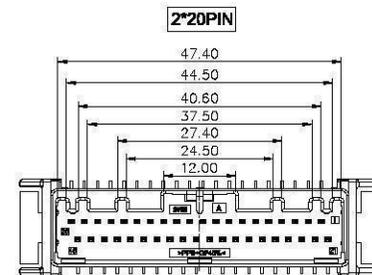
Key A



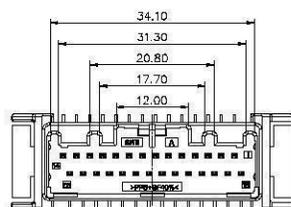
Key A



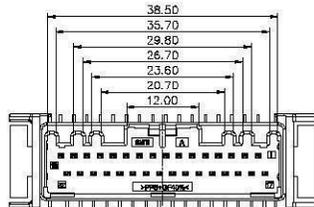
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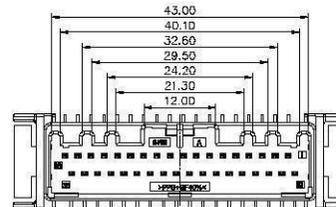
Key A



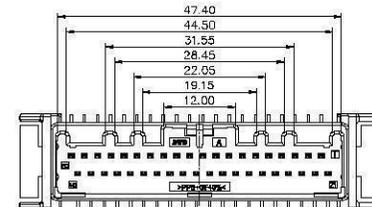
Key B



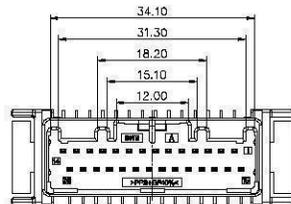
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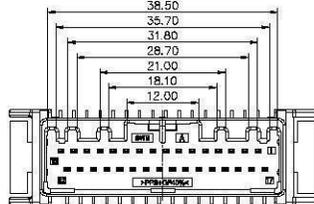
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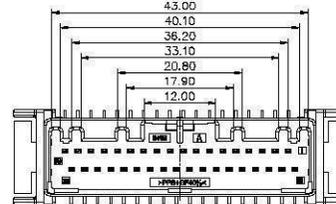
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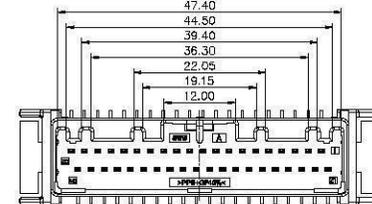
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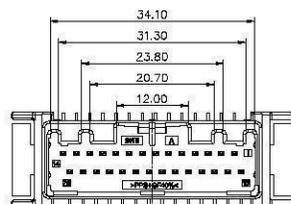
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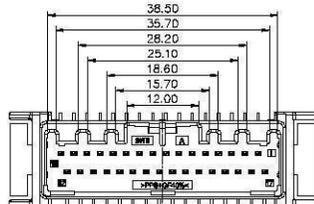
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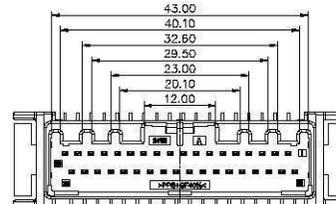
Key C



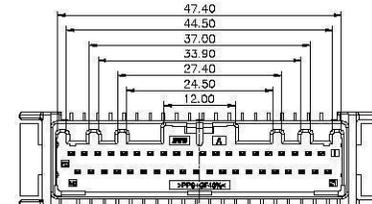
Key D



Key D



Key D



Key D

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX±0.15

X' ±2°

PROJECT



Horus Int. Electronics Co., LTD.
HorusTech Electronics Co., LTD.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Meng Yang

Zhonghua Liu

2022/10/26

PART NO.

HRS-2201WVS-2*XXXX-PPXXXX

TITLE:

2.20mm Pitch Header
ASSY Vertical 180° SMT

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	3/3	A0	A-000

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL