

RoHS

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

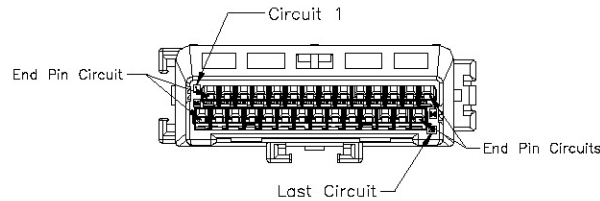
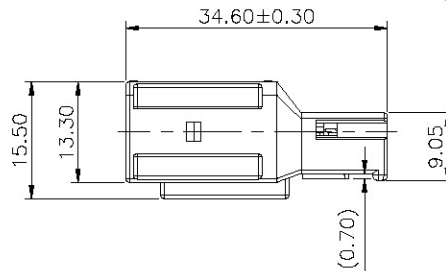
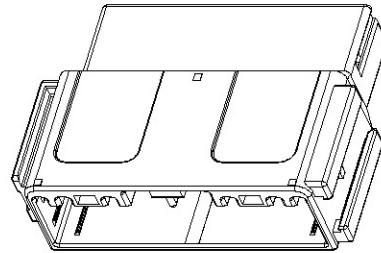
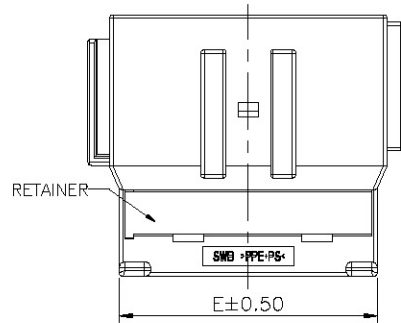
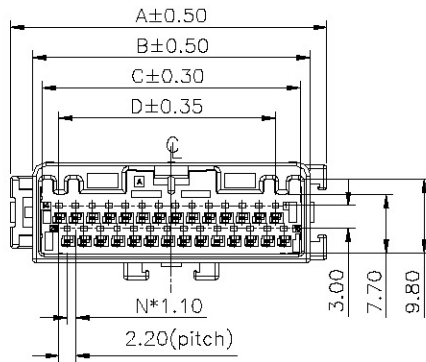
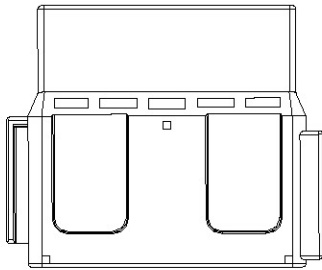


TABLE 1: Matching Terminal List

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 SESO Terminal: 2201TXM
- Product Specification: PS-2201-01
- Packaging: See SESO drawing:
PK-2201AF-2*XXX-ESXX

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

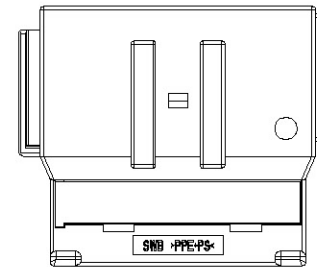
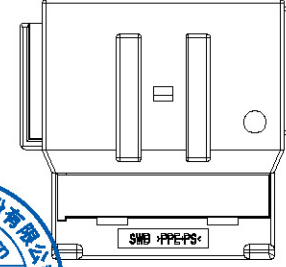
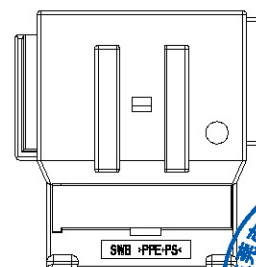
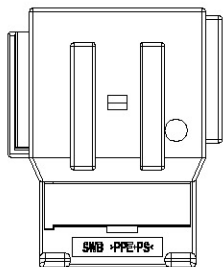
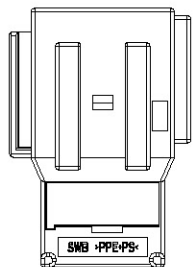
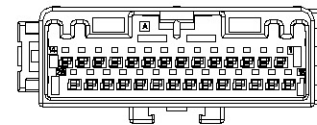
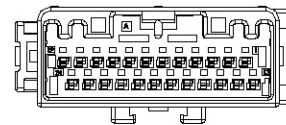
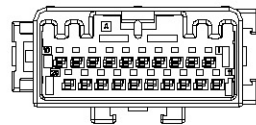
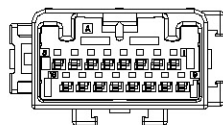
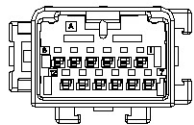
- ① Series No.
② Category: A-TPA Pre-Assembly Housing
③ Connector Type: F-Female Housing
④ Row No.-Pin No:
2xXX-Double Row 2xXXPin
⑤ Key code:Blank-Key A , D-Key D
⑥ Material: ES- PPE+PS UL94V-0
⑦ Color: GY-Gray , BK-Black , BR-Brown

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	GENERAL TOLERANCE .X ±0.35 .XX ±0.25 .XXX±0.15 X.' ±2' PROJECT 	APPROVAL CHECK DRAWN DATE Jack Zhang Meng Yang Joshua 2022/02/18				PART NO. 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						UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL						mm	1:1	1/2	X2	CD

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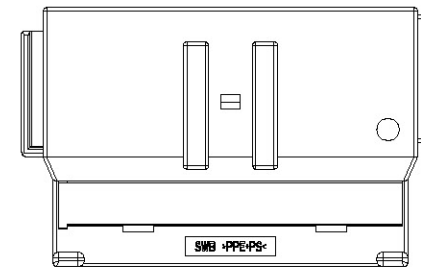
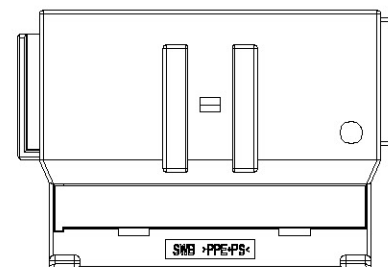
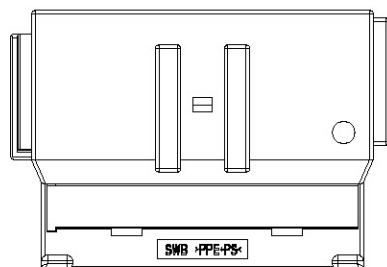
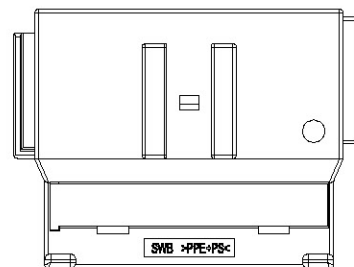
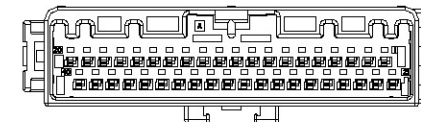
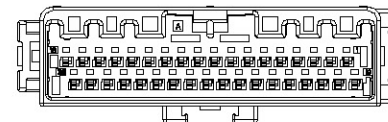
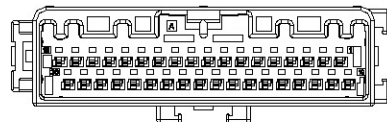
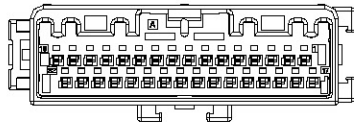
2*06PIN

2*08PIN

2*10PIN

2*12PIN

2*14PIN



2*16PIN

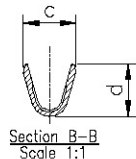
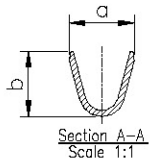
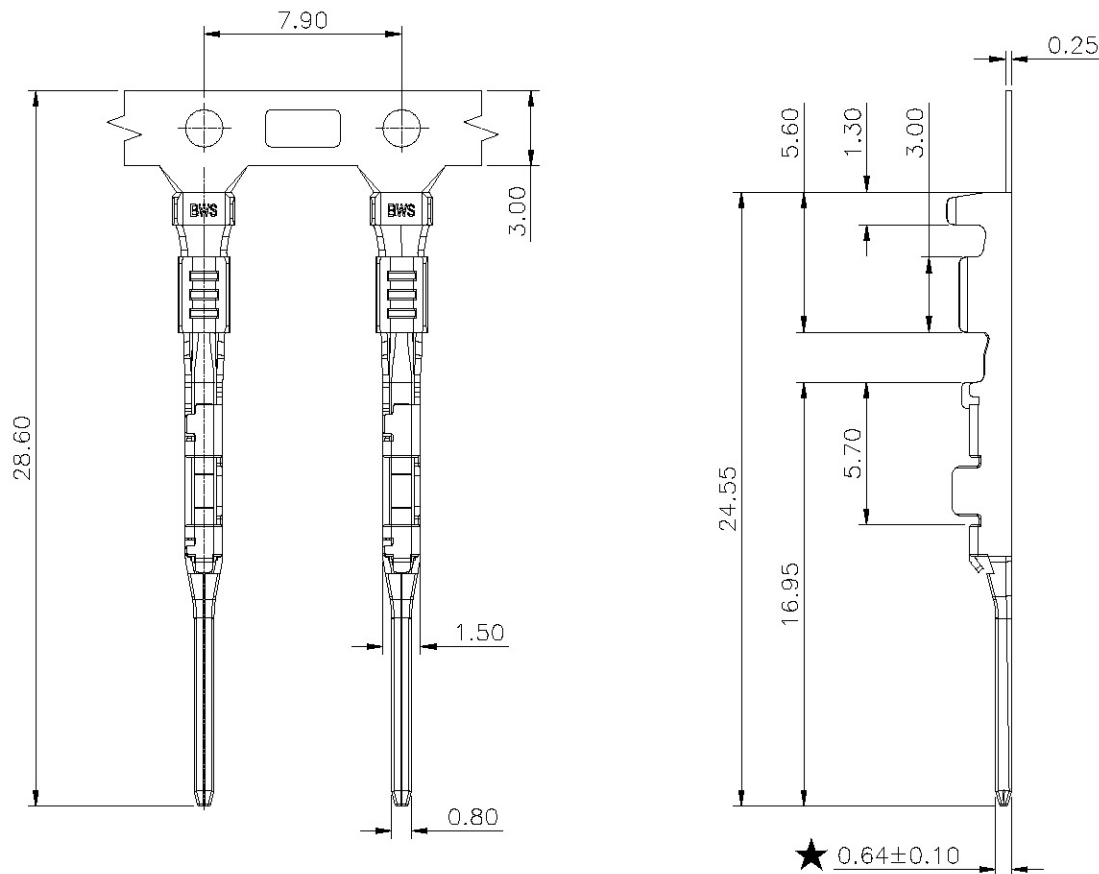
Key A
2*18PINKey D
2*18PIN

2*20PIN

20231218	X2	/	Add 2*18 PIN KEY D	Ed Zhou	Meng Yang	GENERAL TOLERANCE .X ±0.35 .XX ±0.25 .XXX±0.15 X.* ±2* PROJECT SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd. APPROVAL CHECK DRAWN DATE Jack Zhang Meng Yang Joshua 2022/02/18				PART NO. 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					UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL					mm	1:1	2/2	x2	CD

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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 SESO Housing: 2201AF

2201 I X M- B SW1

① ② ③ ④ 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

2201THM-BSW1	BRASS	AVSS 0.85mm ²	1.80mm(Max)	2.70	2.90	2.55	3.00
2201TM-BSW1		AWG#18~20 (0.5~0.75mm ²)	1.40~1.60mm	2.70	2.70	2.50	2.45
2201TLM-BSW1		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

2023-10-11	X6	ER20231011003	Modity 0.5~0.75mm Wire OD	JianHui Zhou	Larry Yang	SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.	PART NO. 2201TXM-BSW1			
2022-10-27	X5	ER120220718001	Arrangement drawings	Joshua	Jason Huang		TITLE: 2.20mm Crimp Style Male Terminal			
2022-07-18	X4		Modity Insulation resistance for 100MΩ	Joshua	Zou Hong		UNIT: mm SCALE: 1:1 SHEET: 1/1 REV: X6 NUMBER: CD			
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL		APPROVAL	CHECK	DRAWN	DATE
1		2	3	4	5	6	7	8		

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End Pin Circuit

Circuit 1

Last Circuit

End Pin Circuits

RETAINER

MOLDING LOT No.

TABLE 1: Matching Terminal List

P/N	Applicable Wire		Applicable Housing Pin Circuits
2201THF-HY2B	0.85mm ² (AVSS)	1.80mm(Max)	Four both ends pin circuits can be applied Other pin circuits are not applicable
2201TF-HY2B	AWG#20~18 (0.5~0.75mm ²)	1.40~1.60mm	All pin circuits can be applied
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 SESO Terminal: 2201TXF
- Symbols "★" For SPC Dimensions
- Product Specification: PS-2201-1
- Packaging: See Drawing: PK-2201AM-2*XXX-ESXX

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

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX±0.15

X.' ±2'

PROJECT

APPROVAL

CHECK

DRAWN

DATE

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

PART NO.

2201AM-2*XXX-ESXX

TITLE:

2.20mm Pitch Male Housing

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

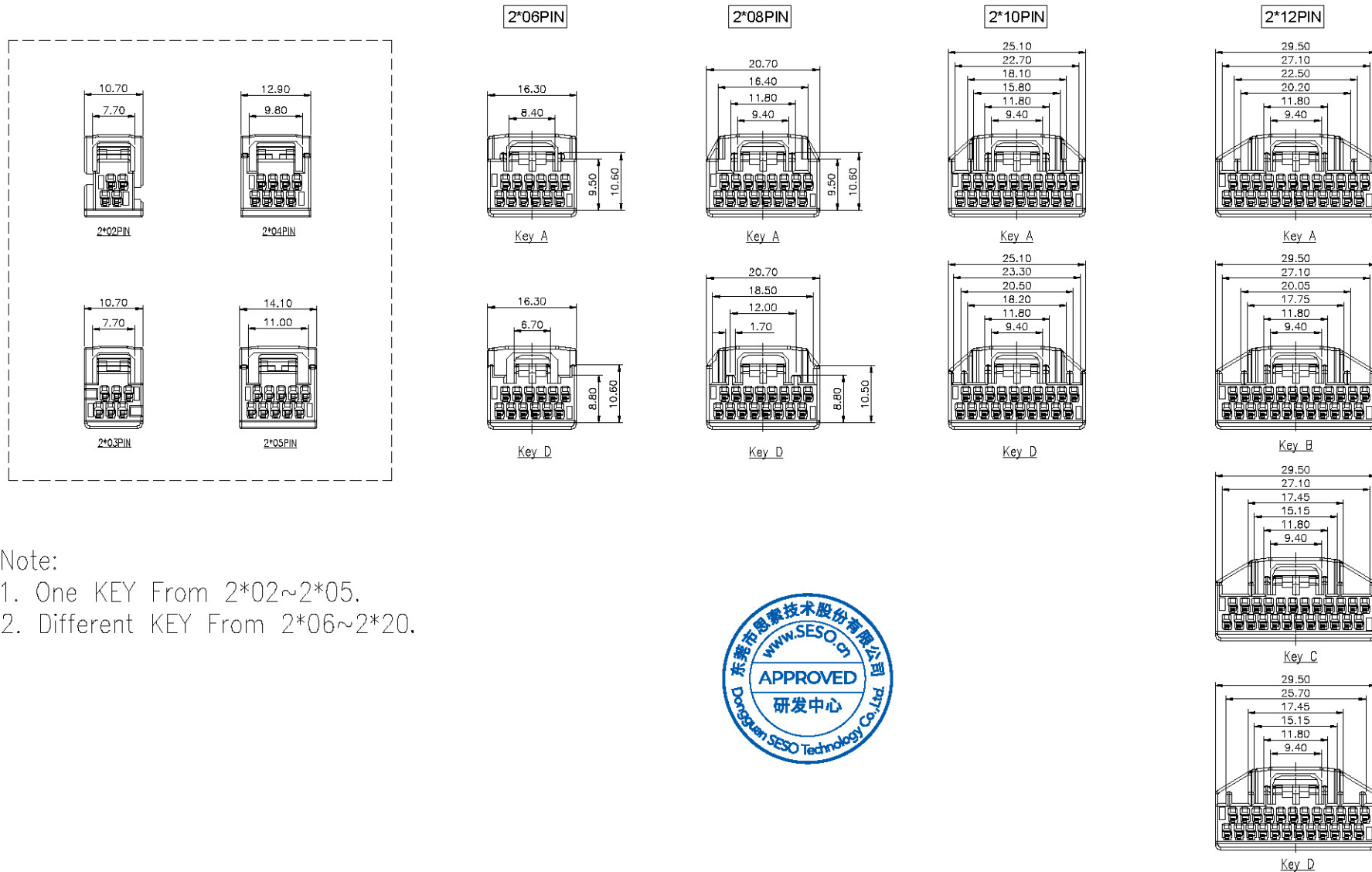
1/3

A2

CD

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Note:

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



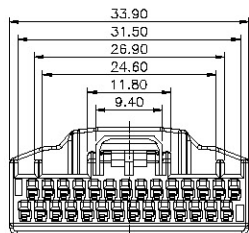
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20231011	A1	ER20231011003	Add a Matching Terminal List	JianHui Zhou	Larry Yang													
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT				Jack Zhang	Meng Yang	Zhonghua Liu	2022/10/26	UNIT	SCALE	SHEET	REV	NUMBER
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RoHS

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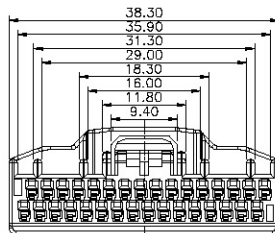


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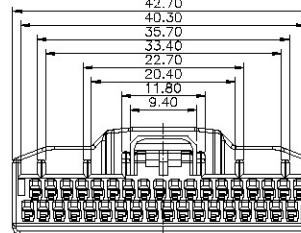
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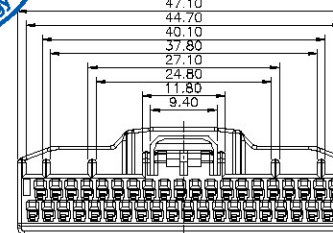
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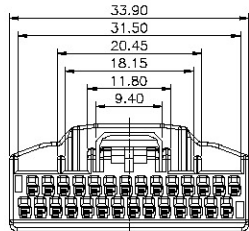


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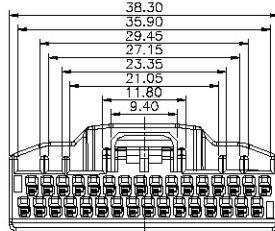
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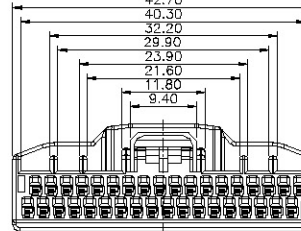
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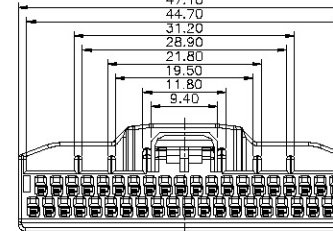
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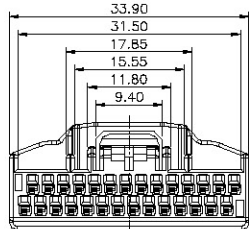
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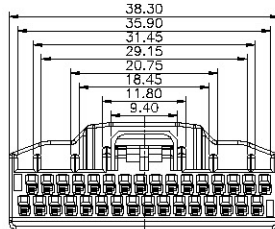
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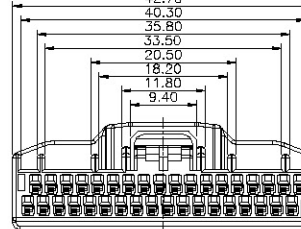
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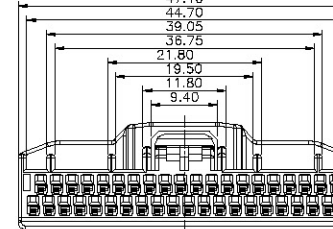
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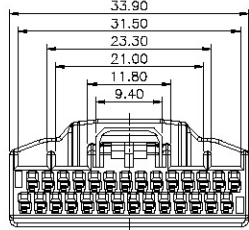
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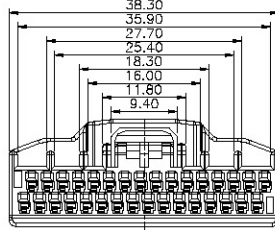
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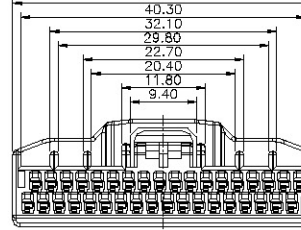
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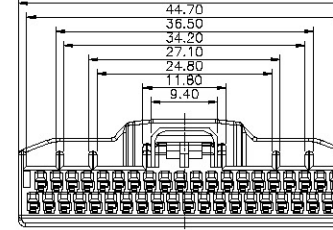
Key D



Key D



Key D

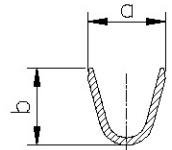
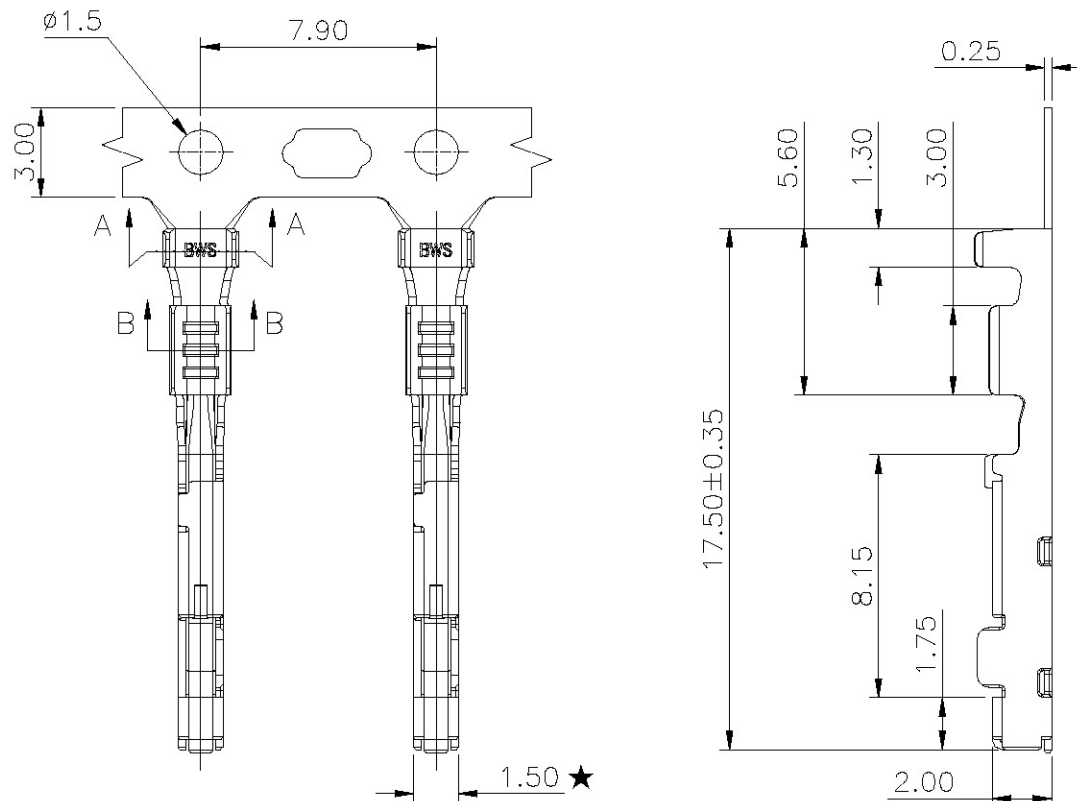


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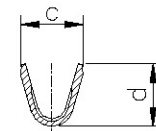
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20231011	A1	ER20231011003	Add a Matching Terminal List	JianHui Zhou	Larry Yang		APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL										

RoHS

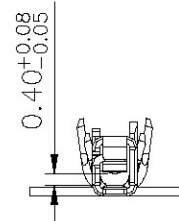
This products can apply to the SESO Doc NO. QA-3-04-005
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Section A-A
Scale 1:1



Section B-B
Scale 1:1



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 SESO Housing: 2201AM

2201 I X F- H Y2 B
① ② ③ ④ ⑤ ⑥ ⑦

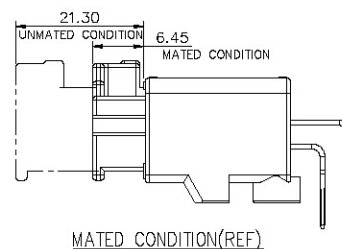
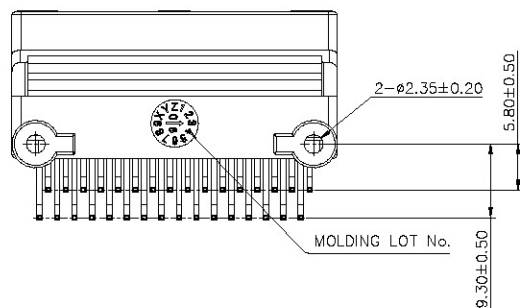
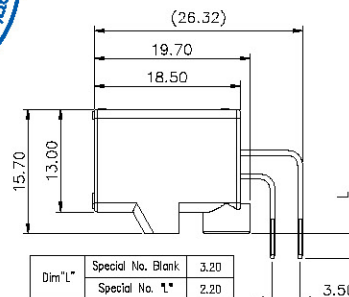
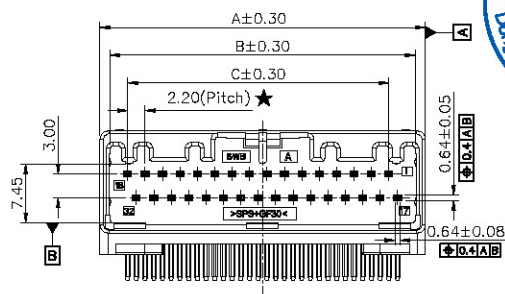
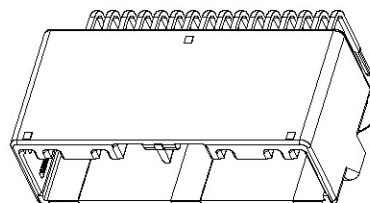
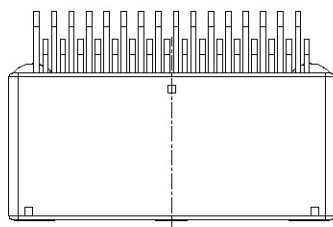
- ① Series No.
- ② Category: T-Terminal
- ③ Appearance type:
Blank-Ordinary; H-High feet; L-Low feet
- ④ F-Female Terminal
- ⑤ Material: H-Copper Alloy
- ⑥ Y2-Sn 40~120u" (1~3um)
- ⑦ B-Stamping After Plating

2201THF-HY2B	Copper Alloy	AVSS 0.85mm ²	1.80mm(Max)	2.70	2.90	2.55	3.00
2201TF-HY2B		AWG#18~20 (0.5~0.75mm ²)	1.40~1.60mm	2.70	2.70	2.50	2.45
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

						GENERAL TOLERANCE				SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2201TXF-HY2B				
						.X ±0.35								TITLE: 2.20mm Crimp Style Terminal				
						.XX ±0.25												
						.XXX±0.15												
20231011	A1	ER20231011003	Modity 0.5~0.75mm Wire OD	JianHui Zhou	Larry Yang	X." ±2"				APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 				Jack Zhang	Meng Yang	Zhonghua Liu	2022/10/26	mm	1:1	1/1	A1	CD
1		2		3		4		5		6		7		8				

RoHS

This products can apply to the SESO 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 SESO Housing: 2201AM
- Symbols ★ For SPC Dimensions
- Product Specification: PS-2201-1
- Packaging: See Drawing:
PK-2201WR-2*XXXX-SSXXXXX

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

- 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"(0.6um~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

SMS 东莞市思索技术有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Meng Yang

Zhonghua Liu

2022/10/26

PART NO.

2201WR-2*XXXX-SSXXXXX

TITLE:

2.20mm Pitch Header
ASSY Horizontal 90° DIP

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

DATE

REV

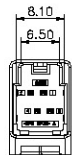
ECN NO.

DESCRIPTION

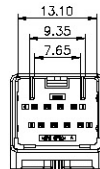
MODIFY

APPROVAL

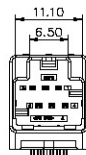
RoHS

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

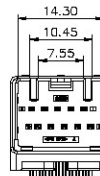
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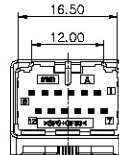
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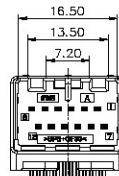
2*03PIN



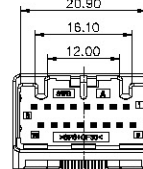
2*05PIN



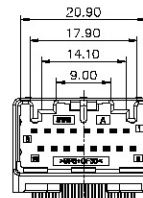
Key A



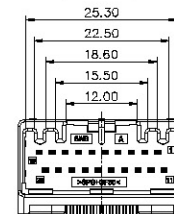
Key D



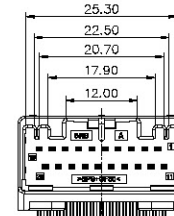
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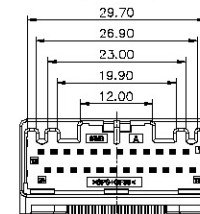
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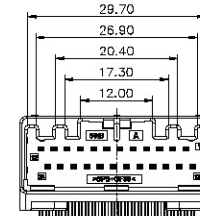
Key A



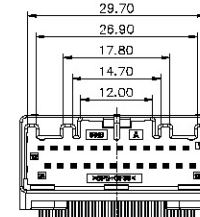
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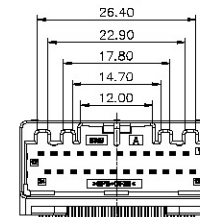
Key A



Key B



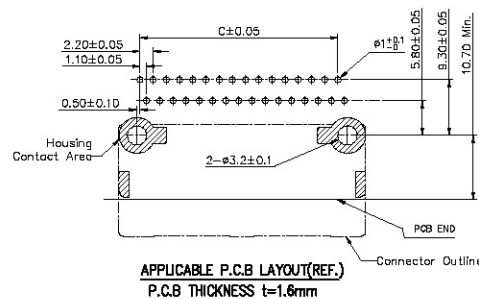
Key C



Key D

Note:

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



GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX±0.15

X* ±2°

PROJECT

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

Jason Huang

CHECK

Meng Yang

DRAWN

Zhonghua Liu

DATE

2022/10/26

PART NO.

2201WR-2*XXXX-SSXXXXX

TITLE:

2.20mm Pitch Header
ASSY Horizontal 90° DIP

UNIT

mm

SCALE

1:1

SHEET

2/3

REV

A0

NUMBER

CD

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

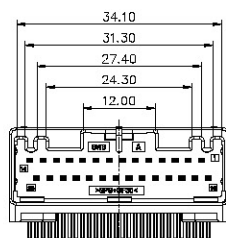
APPROVAL

RoHS

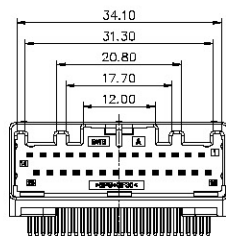
This products can apply to the SESO Doc NO. QA-3-04-005
of Environmental&Material Management Rules



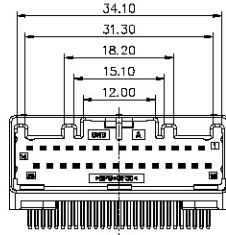
2*14PIN



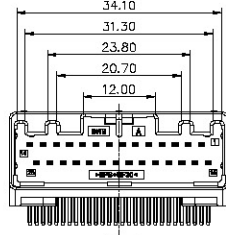
Key A



Key B

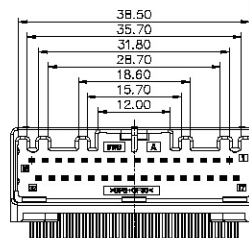


Key C

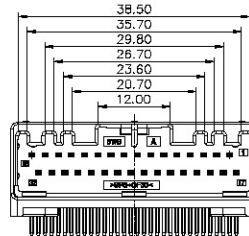


Key D

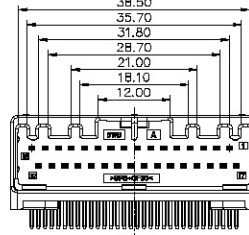
2*16PIN



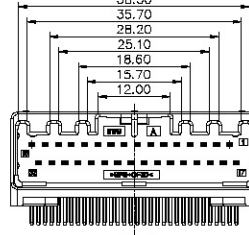
Key A



Key B

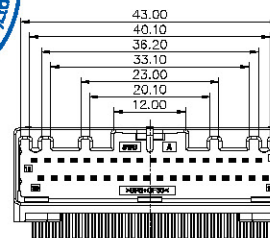


Key C

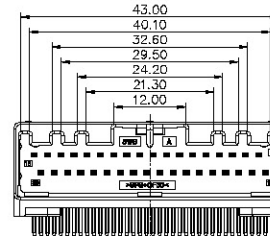


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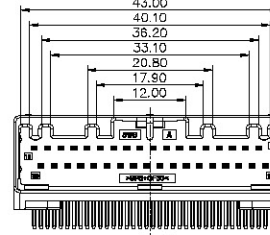
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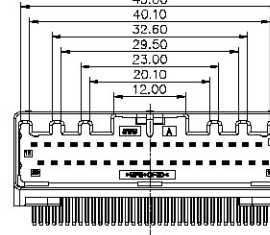
Key A



Key B

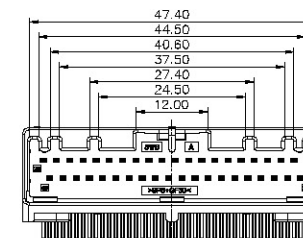


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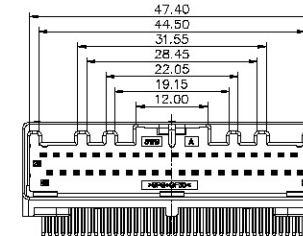


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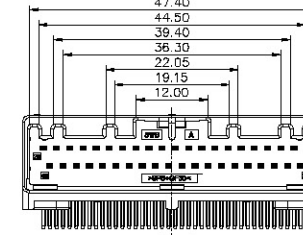
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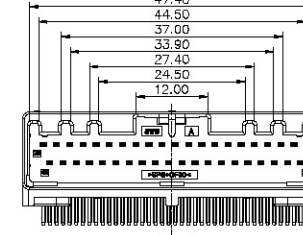
Key A



Key B



Key C



Key D

GENERAL TOLERANCE

.X ± 0.35 .XX ± 0.25 .XXX ± 0.15 X' $\pm 2^\circ$

PROJECT

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

Jason Huang

CHECK

Meng Yang

DRAWN

Zhonghua Liu

DATE

2022/10/26

PART NO.

2201WR-2*XXXX-SSXXXXX

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.

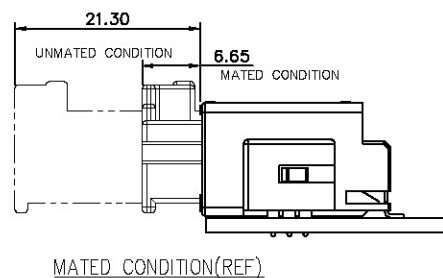
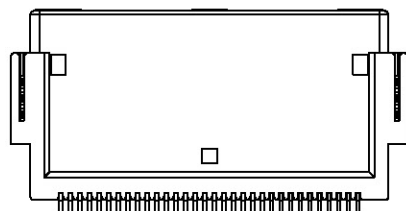
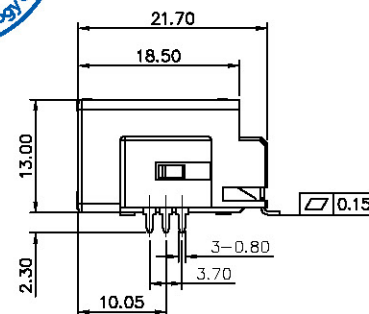
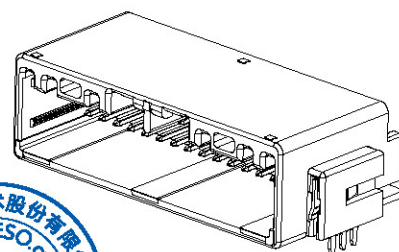
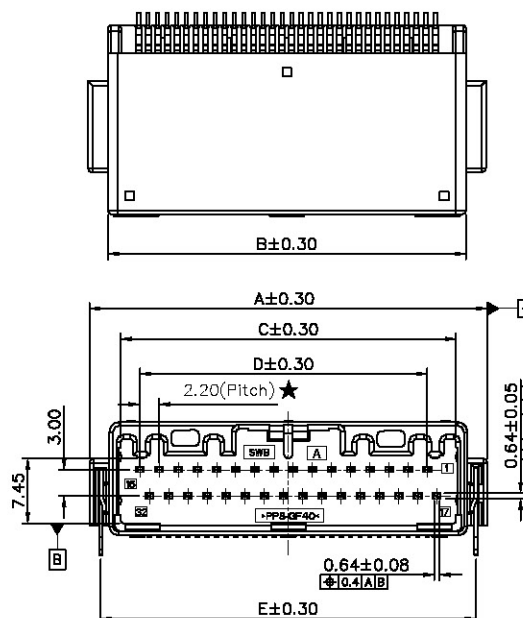
DESCRIPTION

MODIFY

APPROVAL

RoHS

This products can apply to the SESO 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 SESO Housing: 2201AM
- Symbols ★ or SPC Dimensions
- Product Specification: PS-2201-01
- Packaging: See Drawing PK-2201WRS-2*XXCX-PPXXXXX

2201 W R S - 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

PROJECT

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Meng Yang

Zhonghua Liu

2022/10/26

PART NO.

2201WRS-2*XXCX-PPXXXXX

TITLE:

2.20mm Pitch Header
ASSY Horizontal 90° SMT

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

1/3

A0

CD

DATE

REV

ECN NO.

DESCRIPTION

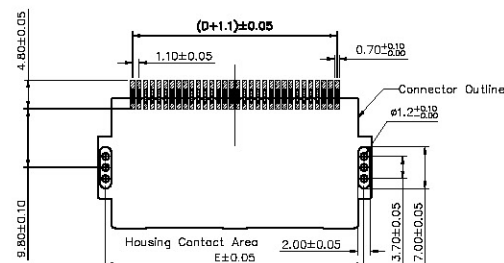
MODIFY

APPROVAL

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



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

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

PART NO.	2201WRS-2*XXCX-PPXXXXX
----------	------------------------

TITLE: 2.20mm Pitch Header
ASSY Horizontal 90° SMT

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

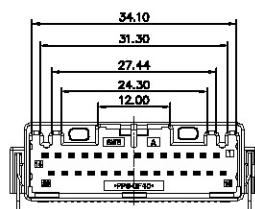
APPROVAL	CHECK	DRAWN	DATE
Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

RoHS

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

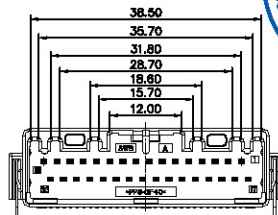


2*14PIN



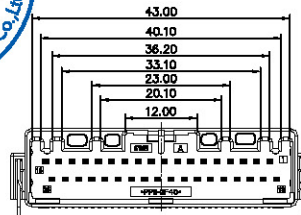
Key A

2*16PIN



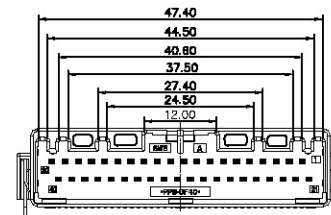
Key A

2*18PIN

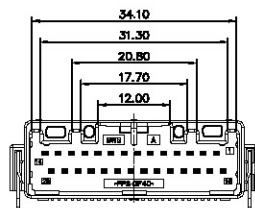


Key A

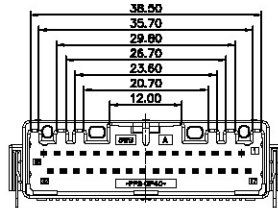
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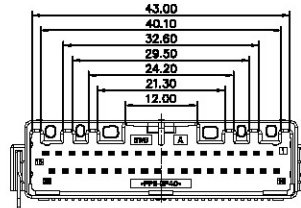
Key A



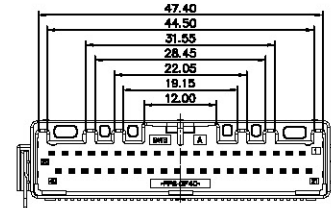
Key B



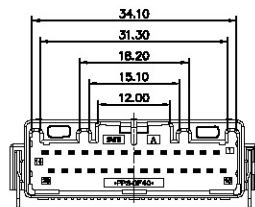
Key B



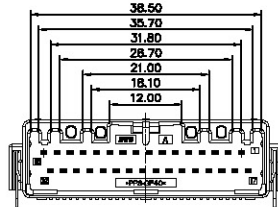
Key B



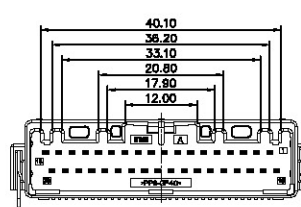
Key B



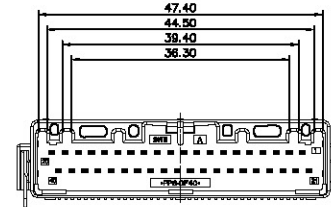
Key C



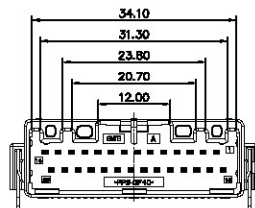
Key C



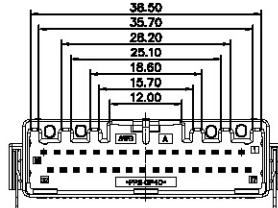
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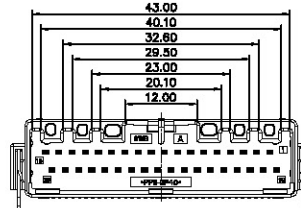
Key C



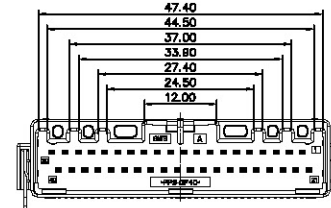
Key D



Key D



Key D



Key D

GENERAL TOLERANCE

.X ± 0.35 .XX ± 0.25 .XXX ± 0.15 X' $\pm 2^\circ$

PROJECT

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

Jason Huang

CHECK

Meng Yang

DRAWN

Zhonghua Liu

DATE

2022/10/26

PART NO.

2201WRS-2*XXCX-PPXXXXX

TITLE:

2.20mm Pitch Header
ASSY Horizontal 90° SMT

UNIT

mm

SCALE

1:1

SHEET

3/3

REV

A0

NUMBER

CD

DATE

REV

ECN NO.

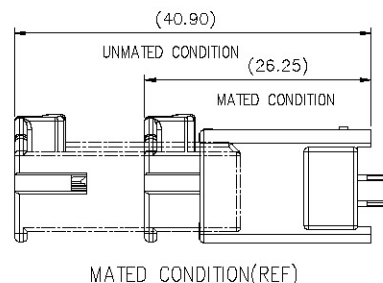
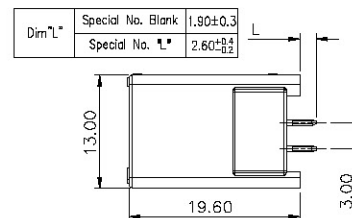
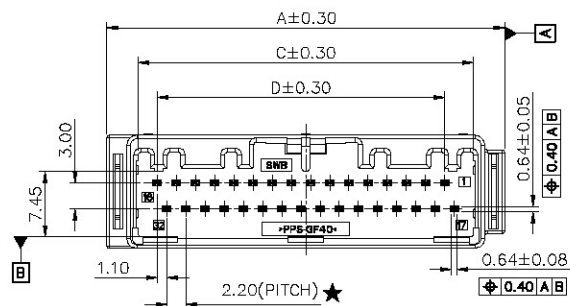
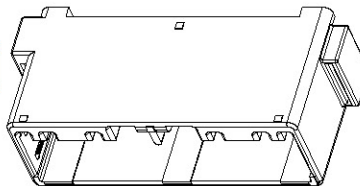
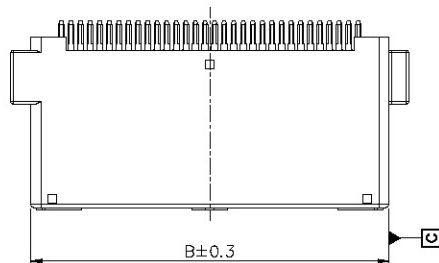
DESCRIPTION

MODIFY

APPROVAL

RoHS

This products can apply to the SESO 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 SESO Housing: 2201AM
- Symbols ★ For SPC Dimensions
- Product Specification: PS-2201-01
- Packaging: See Drawing: PK-2201WV-2*XXX-PPSW1BG

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

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX±0.15

X* ±2°

PROJECT

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Meng Yang

Zhonghua Liu

2022/10/26

PART NO.

2201WV-2*XXXX-PPXXXXX

TITLE: 2.20mm Pitch Header
ASSY Vertical 180° DIP

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

DATE

REV

ECN NO.

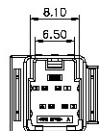
DESCRIPTION

MODIFY

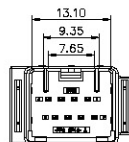
APPROVAL

RoHS

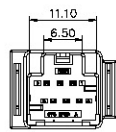
This products can apply to the SESO Doc NO. QA-3-04-005
of Environmental&Material Management Rules



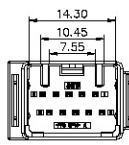
2*02PIN



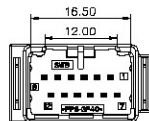
2*04PIN



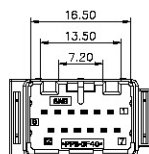
2*03PIN



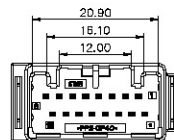
2*05PIN



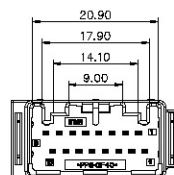
Key A



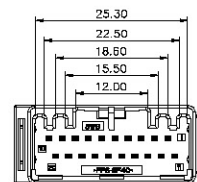
Key D



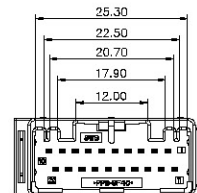
Key A



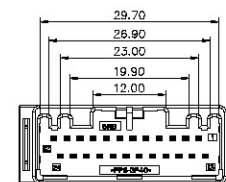
Key D



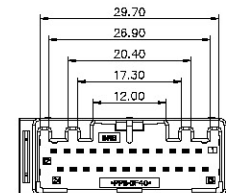
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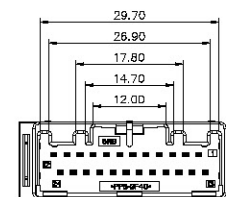
Key D



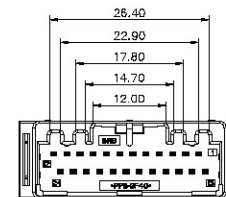
Key A



Key B



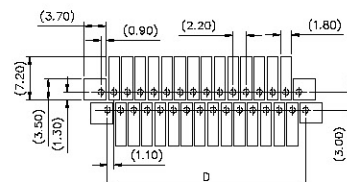
Key C



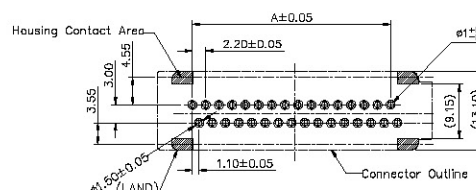
Key D

Note:

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



METAL MASK DIMENSIONS(REF)
MASK THICKNESS T=0.15mm



APPLICABLE P.C.B LAYOUT(REF.)
P.C.B THICKNESS 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

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

Jason Huang

CHECK

Meng Yang

DRAWN

Zhonghua Liu

DATE

2022/10/26

PART NO.

2201WV-2*XXXX-PPXXXXX

TITLE: 2.20mm Pitch Header
ASSY Vertical 180° DIP

UNIT

mm

SCALE

1:1

SHEET

2/3

REV

A0

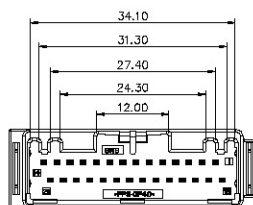
NUMBER

CD

RoHS

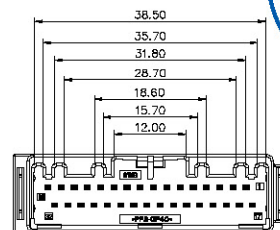
This products can apply to the SESO Doc NO. QA-3-04-005
of Environmental&Material Management Rules

2*14PIN



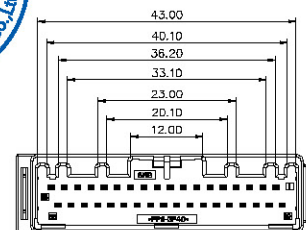
Key A

2*16PIN



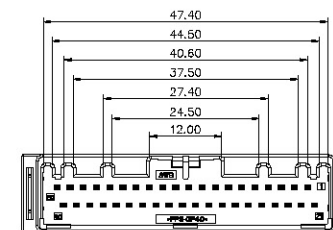
Key A

2*18PIN

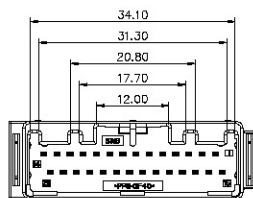


Key A

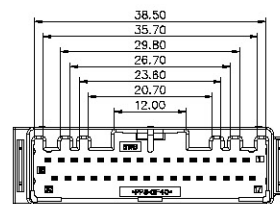
2*20PIN



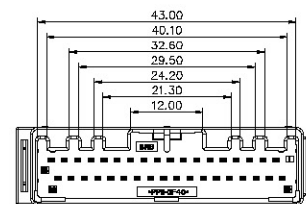
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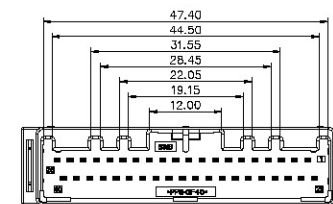
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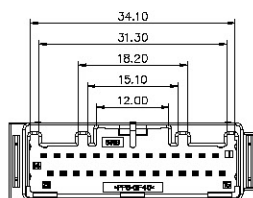
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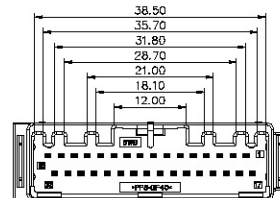
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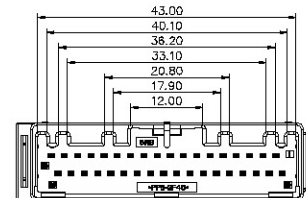
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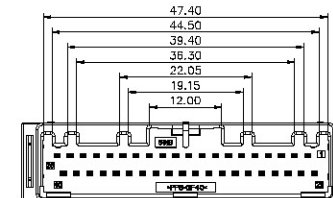
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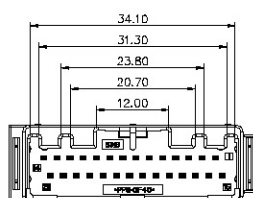
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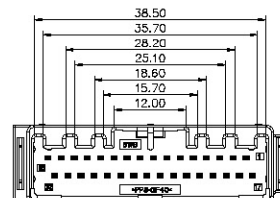
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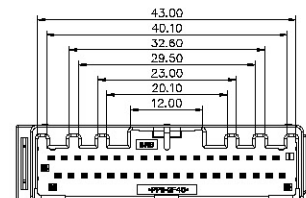
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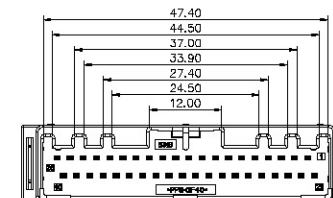
Key D



Key D



Key D



Key D

GENERAL TOLERANCE

.X ± 0.35 .XX ± 0.25 .XXX ± 0.15 X' $\pm 2^\circ$

PROJECT

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

Jason Huang

CHECK

Meng Yang

DRAWN

Zhonghua Liu

DATE

2022/10/26

PART NO.

2201WV-2*XXXX-PPXXXXX

TITLE: 2.20mm Pitch Header
ASSY Vertical 180° DIP

UNIT

mm

SCALE

1:1

SHEET

3/3

REV

A0

NUMBER

CD

DATE

REV

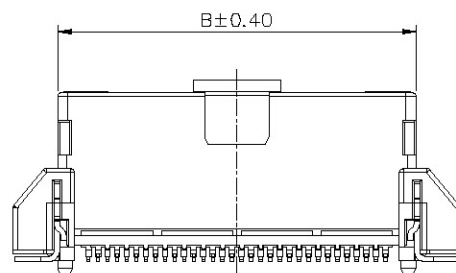
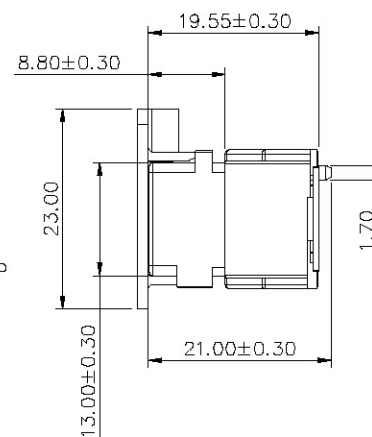
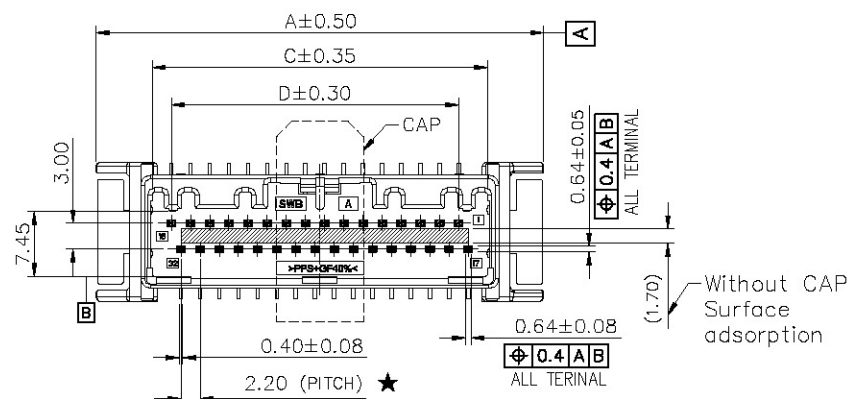
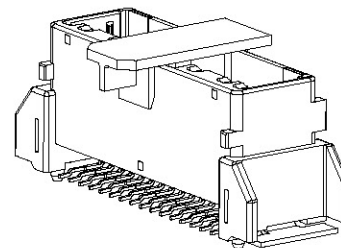
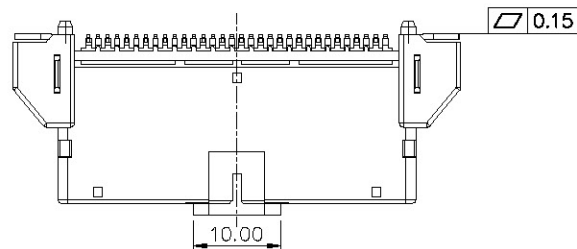
ECN NO.

DESCRIPTION

MODIFY

APPROVAL

RoHS

This products can apply to the SESO 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 SESO Housing: 2201AM
- Symbols ★ For SPC Dimensions
- Product Specification: PS-2201-01
- Packaging: See Drawing PK-2201WVS-2*XXXX-PPXXXXX

2201 WVS - 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	18.90	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

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

CHECK

DRAWN

DATE

Jason Huang

Meng Yang

Zhonghua Liu

2022/10/26

PART NO.

2201WVS-2*XXXX-PPXXXXX

TITLE:

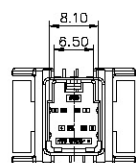
2.20mm Pitch Header
ASSY Vertical 180° SMT

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

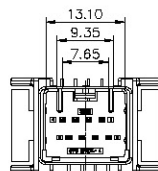
RoHS

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

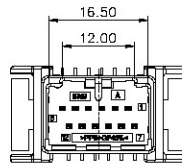
2*06PIN



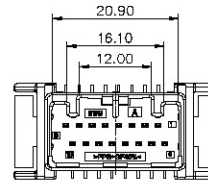
2*02PIN



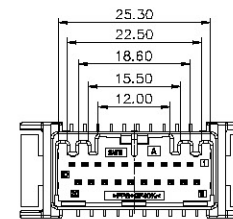
2*04PIN



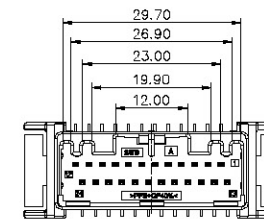
Key A



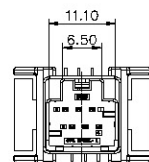
Key A



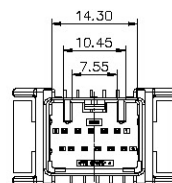
Key A



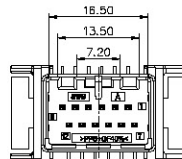
Key A



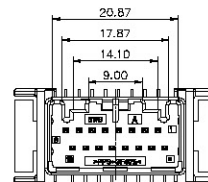
2*03PIN



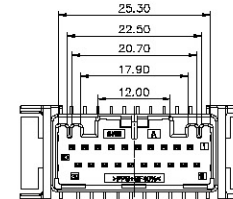
2*05PIN



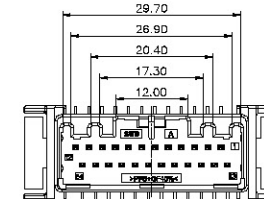
Key D



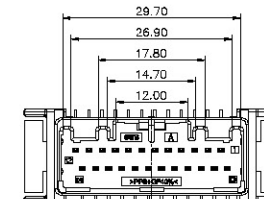
Key D



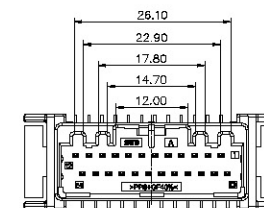
Key D



Key B



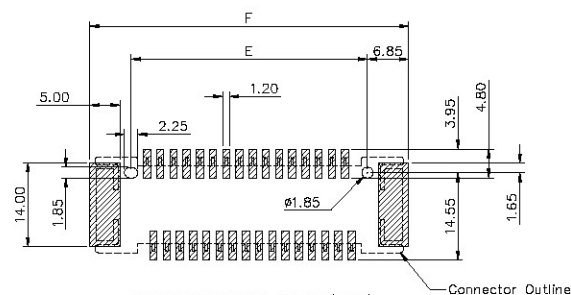
Key C



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 t=1.6mm
RECOMMENDED SOLDER THICKNESS IS 0.15mm

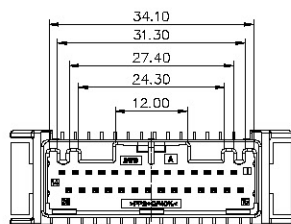
GENERAL TOLERANCE						PART NO.			
.X ± 0.35						2201WVS-2*XXXX-PPXXXXX			
.XX ± 0.25						TITLE: 2.20mm Pitch Header			
.XXX ± 0.15						ASSY Vertical 180° SMT			
X* $\pm 2^\circ$						UNIT	SCALE	SHEET	REV
PROJECT						mm	1:1	2/3	A0
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	APPROVAL	CHECK	DRAWN	DATE
						Jason Huang	Meng Yang	Zhonghua Liu	2022/10/26

RoHS

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

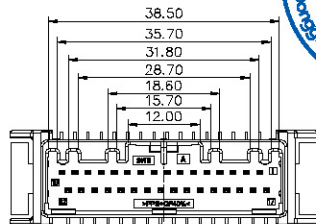


2*14PIN



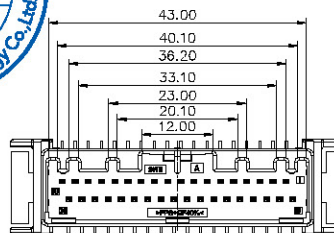
Key A

2*16PIN



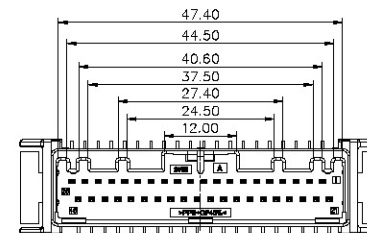
Key A

2*18PIN

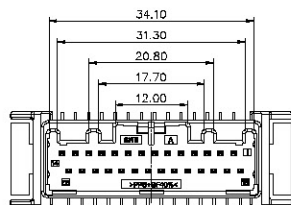


Key A

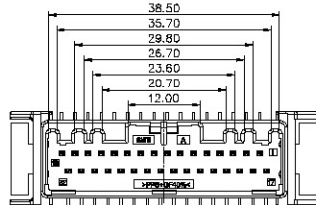
2*20PIN



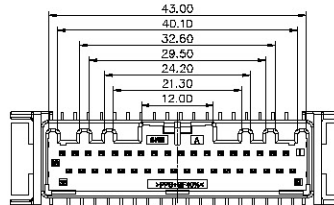
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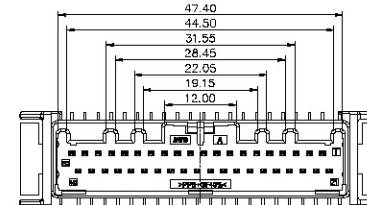
Key B



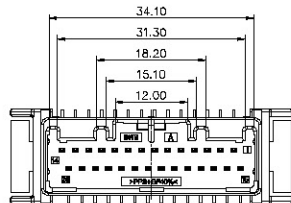
Key B



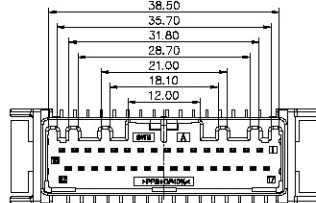
Key B



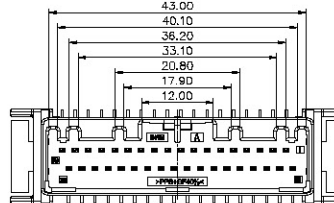
Key B



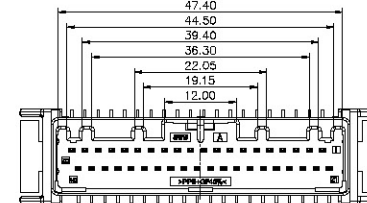
Key C



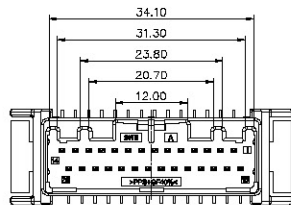
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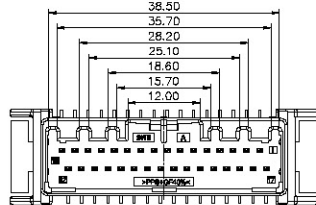
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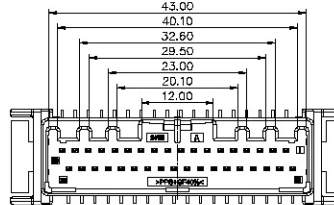
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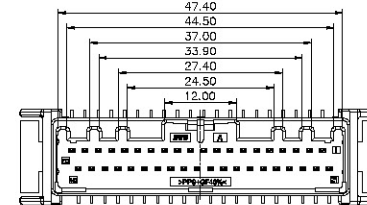
Key D



Key D



Key D



Key D

GENERAL TOLERANCE

.X ± 0.35 .XX ± 0.25 .XXX ± 0.15 X' $\pm 2^\circ$

PROJECT

SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL

Jason Huang

CHECK

Meng Yang

DRAWN

Zhonghua Liu

DATE

2022/10/26

PART NO.

2201WVS-2*XXXX-PPXXXXX

TITLE:

2.20mm Pitch Header
ASSY Vertical 180° SMT

UNIT

mm

SCALE

1:1

SHEET

3/3

REV

A0

NUMBER

A-000

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL