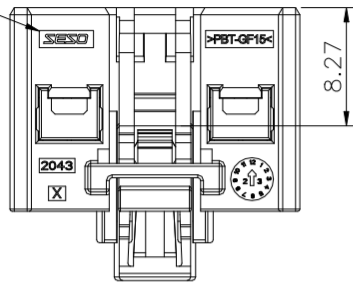


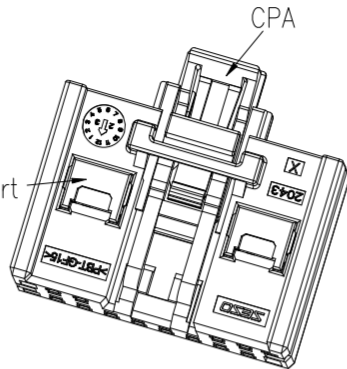
RoHS

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

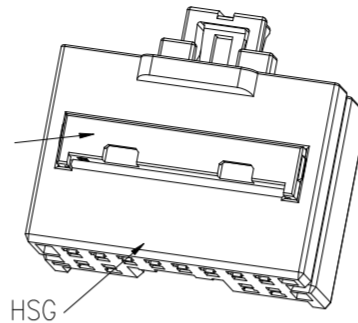
LOGO



Short TPA

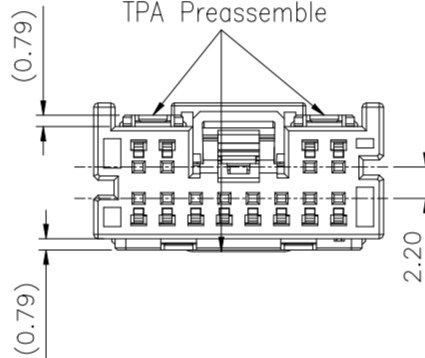


Long TPA



HSG

TPA Preassembly



Specifications :

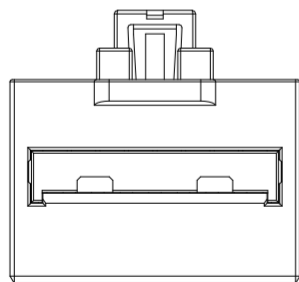
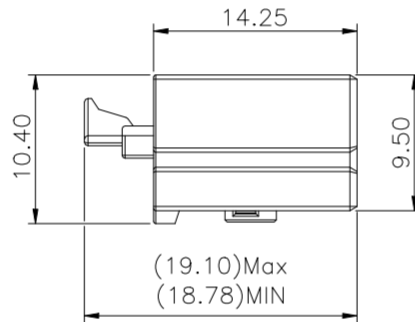
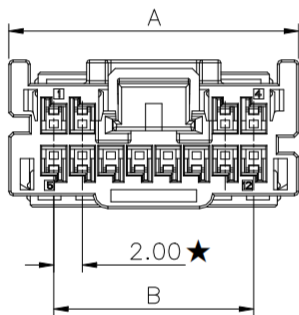
- Voltage Rating:14V AC/DC
- Current Rating:4A AC/DC
- Withstanding Voltage:1000V AC/Minute
- Temperature Range:-40°C~+125°C
- Insulation Resistance:100M Ω Min./500V DC/Minute
- Contact Resistance: $\leq 25m\Omega$ (After Testing)
- Mates With SESO Terminal: 2043TXF-XXX
- Mates With SESO Wafer: 2043WRS-DXX/2043WR-DXX 2043WW-DXX

Note KEY bits must correspond to each other, for example, KEY A at the cable end corresponds to KEY A at the board end

- Product Specification: PS-2043-02
- Packaging Drawing: PK-2043AM-XX-PTBK
- Symbols for SPC Dimensions:"★"

2043 A M- DXX E XX- PT XX
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series No.: 2043
- ② Category: A-Housing Sub-Assembly
- ③ Connector Type: M-Male Housing
- ④ Row No.-Pin No.:DXX-Double Row-12/16/20/24Pin
- ⑤ Special No.:E-With CPA
- ⑥ Special No.:A-Key A ,B-Key B ,C-Key C
- ⑦ Plastic material: PT-PBT UL94V-0
- ⑧ Color: BK-Black.GY-Grey, DG-Dark Grey



Poles	Dimensions (mm)	
	A	B
12PIN	20.30	14.00
16PIN	24.30	18.00
20PIN	28.30	22.00
24PIN	32.30	26.00

GENERAL TOLERANCE

.X ± 0.35

.XX ± 0.25

.XXX ± 0.15

X.' ± 2 "

PROJECT

Jack Zhang

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

Waverly Wang

Bless Guo

2023/03/09

PART NO.

2043AM-DXXEXX-PTXXX

TITLE

Male Housing Sub-Assy

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

1/2

A0

CD

20240929

A0

/

Initial release

Bless Guo

Jack Zhang

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

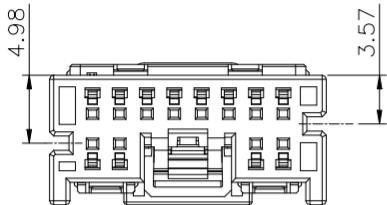
APPROVAL

RoHS

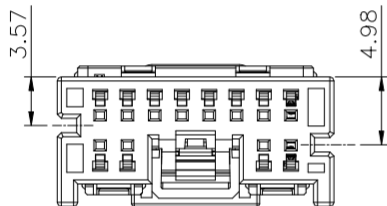
This products can apply to the SESO Doc NO. QA-3-04-005
of Environmental&Material Management Rules



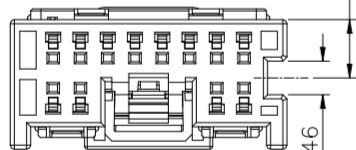
12PIN



KEY A

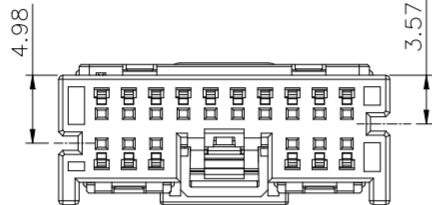


KEY B

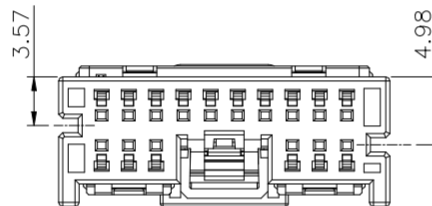


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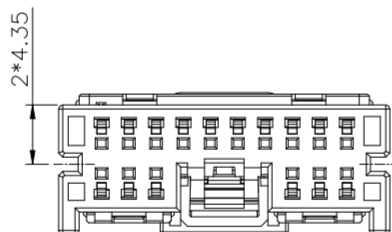
16PIN



KEY A

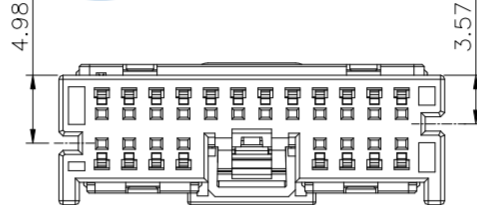


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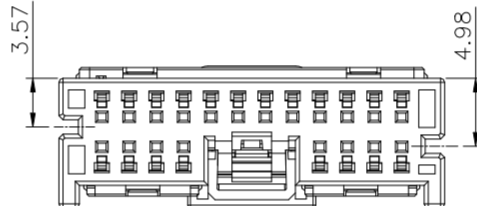


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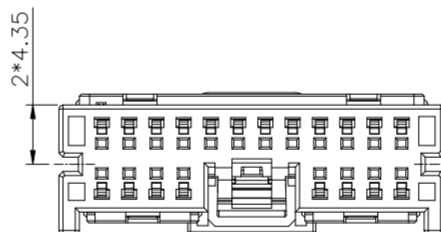
20PIN



KEY A

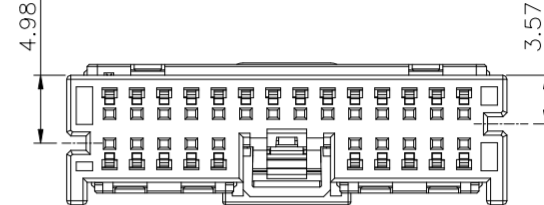


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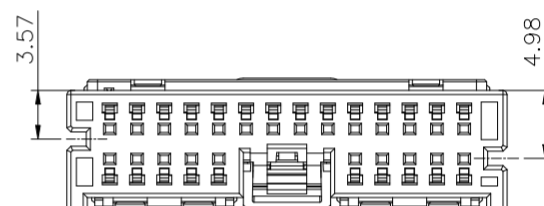


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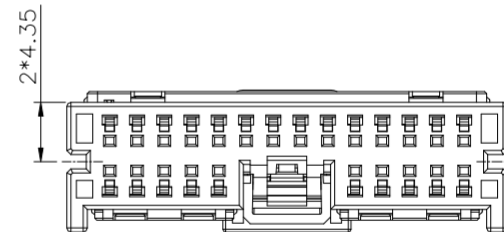
24PIN



KEY A



KEY B



KEY C

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

Waverly Wang

Bless Guo

2023/03/09

PART NO.

2043AM-DXXEXX-PTXXX

TITLE

Male Housing Sub-Assy

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

2/2

A0

CD

20240929

A0

/

Initial release

Bless Guo

Jack Zhang

DATE

REV

ECN NO.

DESCRIPTION

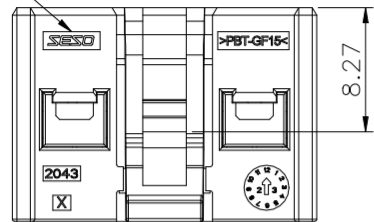
MODIFY

APPROVAL

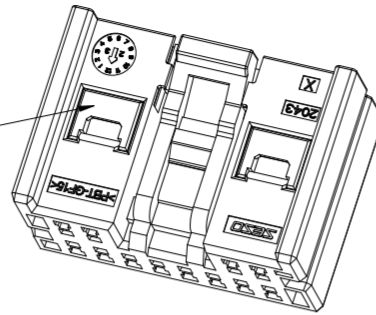
RoHS

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

LOGO

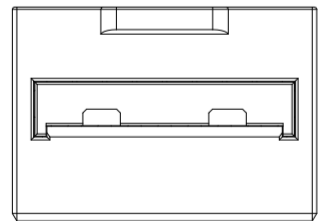
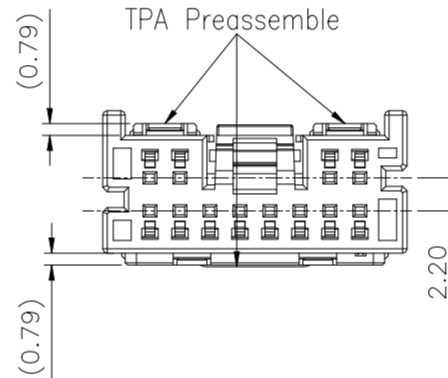
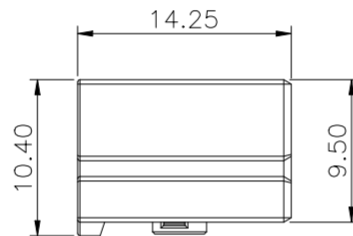
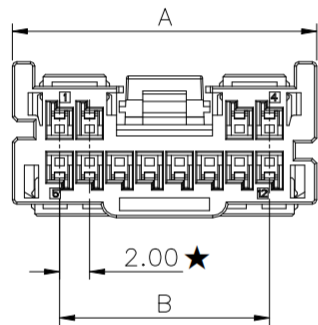
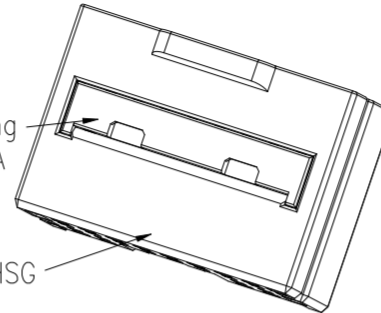


Short TPA



Long TPA

HSG



Poles	Dimensions (mm)	
	A	B
12PIN	20.30	14.00
16PIN	24.30	18.00
20PIN	28.30	22.00
24PIN	32.30	26.00

■ Specifications :

- Voltage Rating:14V AC/DC
- Current Rating:4A AC/DC
- Withstanding Voltage:1000V AC/Minute
- Temperature Range:-40°C~+125°C
- Insulation Resistance:100M Ω Min./500V DC/Minute
- Contact Resistance: $\leq 25m\Omega$ (After Testing)
- Mates With SESO Terminal: 2043TXF-XXX
- Mates With SESO Wafer: 2043WRS-DXX/2043WR-DXX 2043WV-DXX

Note KEY bits must correspond to each other, for example, KEY A at the cable end corresponds to KEY A at the board end

- Product Specification: PS-2043-02
- Packaging Drawing: PK-2043AM-XX-PTBK
- Symbols for SPC Dimensions:"★"

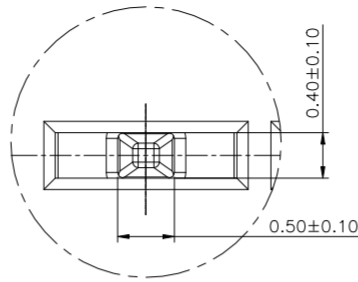
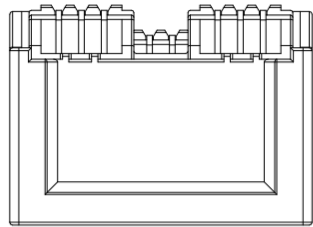
2043 A M- DXX XX XX- PT XX
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series No.: 2043
- ② Category: A-Housing Sub-Assembly
- ③ Connector Type: M-Male Housing
- ④ Row No.-Pin No.:DXX-Double Row-12/16/20/24Pin
- ⑤ Special No.:
- ⑥ Special No.:A-Key A ,B-Key B ,C-Key C
- ⑦ Plastic material: PT-PBT UL94V-0
- ⑧ Color: BK-Black.GY-Grey, DG-Dark Grey

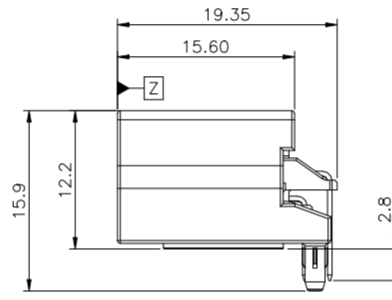
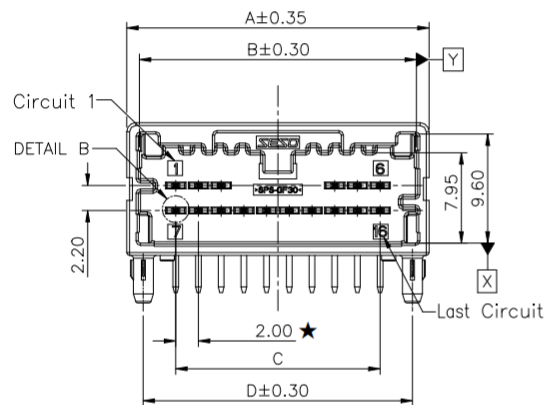
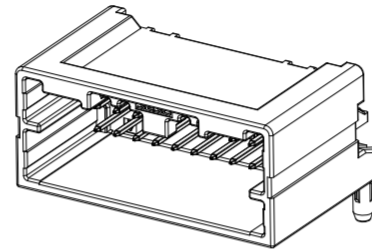
						GENERAL TOLERANCE				SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2043AM-DXXXXX-PTXXX				
						.X ±0.35								TITLE Male Housing Sub-Assy				
						.XX ±0.25												
						.XXX±0.15												
20240929	A0	/	Initial release	Bless Guo	Jack Zhang	X: ±2°				APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT				Jack Zhang	Waverly Wang	Bless Guo	2023/03/09	mm	1:1	1/2	A0	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



Partial View B
Scale 10:1

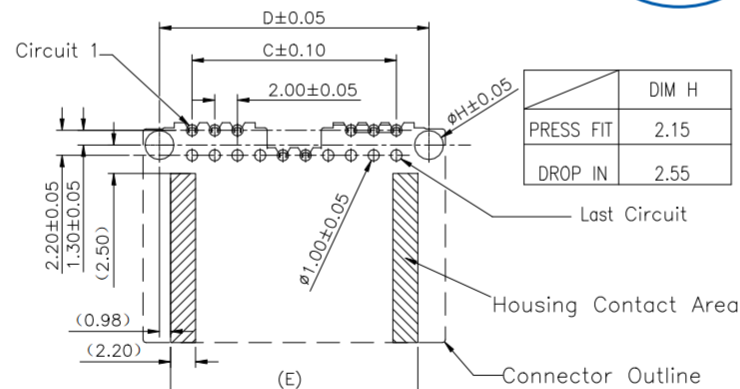
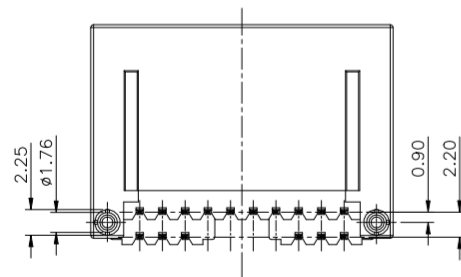


■ Specifications:

- Voltage Rating:14V AC/DC
 - Current Rating:4A AC/DC
 - Withstanding Voltage:1000V AC/Minute
 - Temperature Range:-40°C~+125°C
 - Insulation Resistance:100M Ω Min./500V DC/Minute
 - Contact Resistance:<25m Ω (After Testing)
 - Mates With Housing:2043AM-DXXX-XXXX
- Note KEY bits must correspond to each other, for example, KEY A at the cable end corresponds to KEY A at the board end
- Product Specification:PS-2043-D
 - Packaging Drawing:PK-2043WR-DXXX-XXXX
 - Symbols for SPC Dimensions:"★"

2043 W R - DXX P X - SS SW1 X T
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.:2043
② Category:W-Wafer
③ Connector Type:R-DIP 90°
④ Row No.-Pin No.:DXX-Double Row-12/16/20/24Pin
⑤ Special No.:P-With Post
⑥ Special No.:A-Key A ,B-Key B ,C-Key C
⑦ Plastic Material:SS-SPS 94V-0
⑧ Plating Code:SW1-Matte Tin
Underplate:Ni 40~120u"(1~3um) overall
Top Plating:Sn 80~200u"(2~5um) overall
⑨ Color:B-Black,G-Grey, F-Dark Grey
⑩ Packing:T-Tray



APPLICABLE P.C.B LAYOUT(REF.)
P.C.B THICKNESS t=1.6mm

Poles	Dimensions (mm)				
	A	B	C	D	E
12PIN	22.63	20.40	14.00	19.70	17.78
16PIN	26.63	24.40	18.00	23.70	21.78
20PIN	30.63	28.40	22.00	27.70	25.78
24PIN	34.63	32.40	26.00	31.70	29.78

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

Waverly Wang

Bless Guo

2023/02/06

PART NO.

2043WR-DXXPX-SSSW1XT

TITLE: 2.00mm Pitch Header
ASSY Vertical 90° DIP

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

20240929

A0

/

Initial release

Bless Guo

Jack Zhang

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

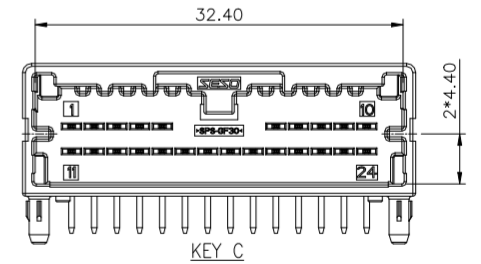
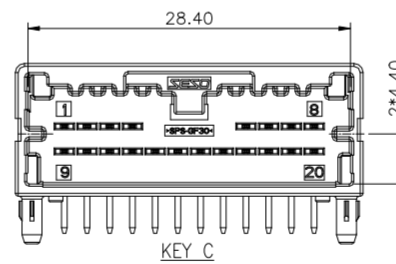
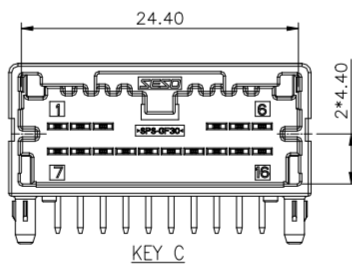
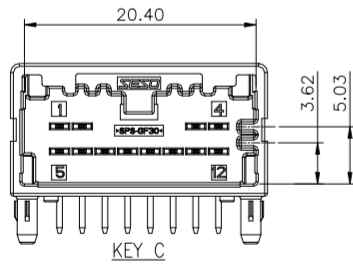
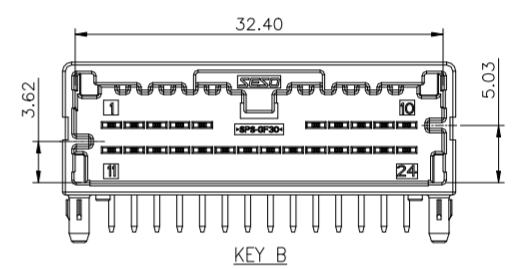
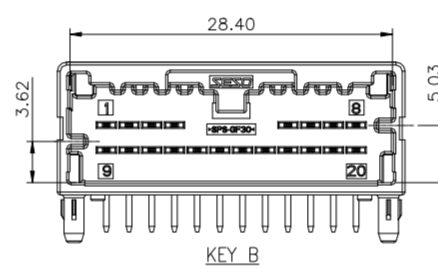
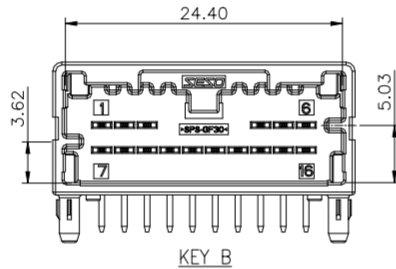
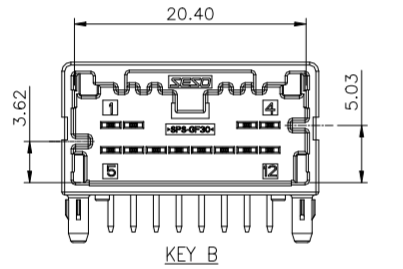
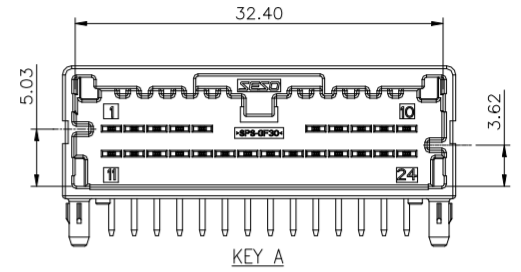
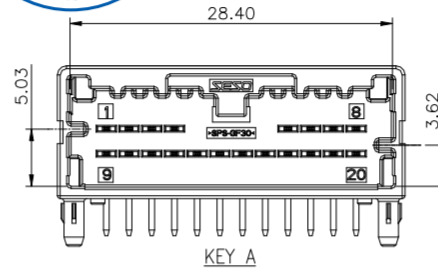
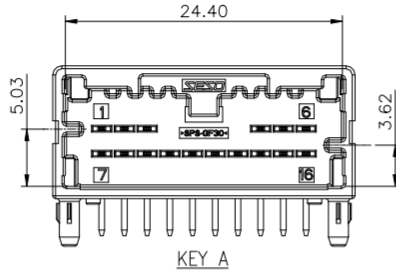
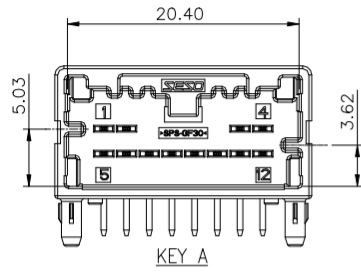


12PIN

16PIN

20PIN

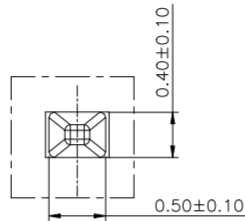
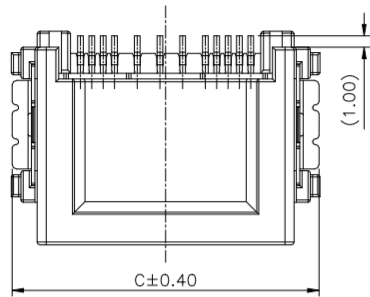
24PIN



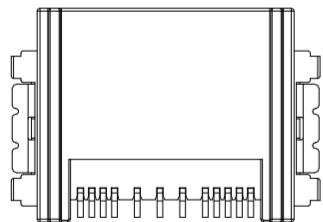
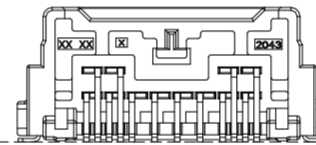
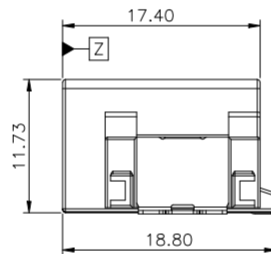
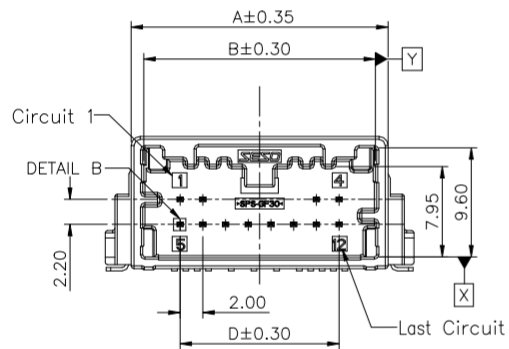
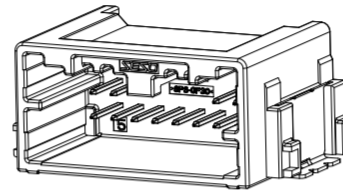
						GENERAL TOLERANCE				SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2043WR-DXXPX-SSSW1XT				
						.X ±0.35								TITLE: 2.00mm Pitch Header ASSY Vertical 90° DIP				
						.XX ±0.25												
						.XXX±0.15												
20240929	A0	/	Initial release	Bless Guo	Jack Zhang	X." ±2"				APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 				Jack Zhang	Waverly Wang	Bless Guo	2023/02/06	mm	1:1	2/2	A0	A-000

RoHS

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



Partial View B
Scale 10:1



Poles	Dimensions (mm)			
	A	B	C	D
12PIN	22.63	20.40	27.03	14.00
16PIN	26.63	24.40	31.03	18.00
20PIN	30.63	28.40	35.03	22.00
24PIN	34.63	32.40	36.03	26.00



■ Specifications:

- Voltage Rating:14V AC/DC
- Current Rating:4A AC/DC
- Withstanding Voltage:1000V AC/Minute
- Temperature Range:-40°C~+125°C
- Insulation Resistance:100M Ω Min./500V DC/Minute
- Contact Resistance:<25m Ω (After Testing)
- Mates With Housing:2043AM-DXXX-

Note KEY bits must correspond to each other, for example, KEY A at the cable end corresponds to KEY A at the board end

- Product Specification:PS-2043-D
- Packaging Drawing:PK-2043WRS-DXXX-XXXX
- Symbols for SPC Dimensions:"★"
- Recommended solder thickness is 0.15mm

2043 W R S - DXX X X - SS SW1 X R
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

- ① Series No.:2043
- ② Category:W-Wafer
- ③ Connector Type:R-Right Angle 90°
- ④ Mounting Type:S-SMT
- ⑤ Row No.-Pin No.:DXX-Double Row-12/16/20/24Pin
- ⑥ Special No.:A-Key A ,B-Key B ,C-Key C
- ⑦ Special No.:
- ⑧ Plastic Material:SS-SPS 94V-0
- ⑨ Plating Code:SW1-Matte Tin
Underplate:Ni 40~120u"(1~3um) overall
Top Plating:Sn 80~200u"(2~5um) overall
- ⑩ Color:B-Black,G-Grey, F-Dark Grey
- ⑪ Packing:R-Reel

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	GENERAL TOLERANCE				PART NO.			
						.X ±0.35	.XX ±0.25	.XXX±0.15	X.' ±2"				
20240929	A0	/	Initial release	Bless Guo	Jack Zhang	APPROVAL	CHECK	DRAWN	DATE	2043WRS-DXXX-SSSW1XR			
						TITLE: 2.00mm Pitch WAFER ASSY Right Angle 90° SMT							
						PROJECT				UNIT			
						Jack Zhang				SCALE			
						Waverly Wang				SHEET			
						Bless Guo				REV			
						2023/02/06				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

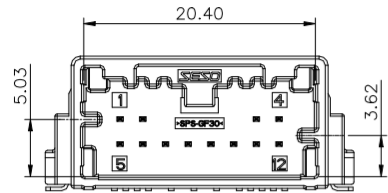


12PIN

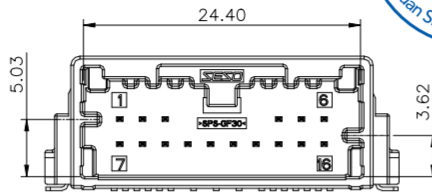
16PIN

20PIN

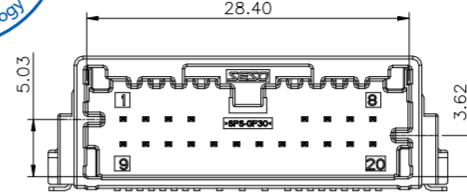
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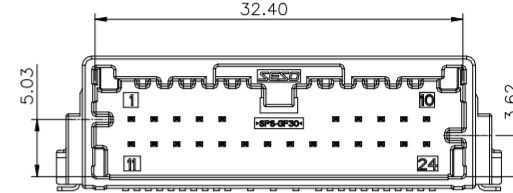
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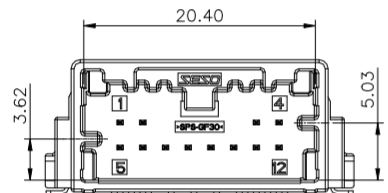
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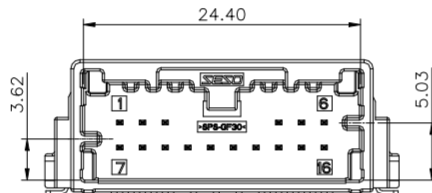
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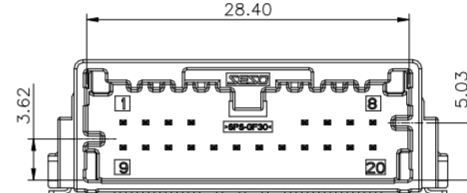
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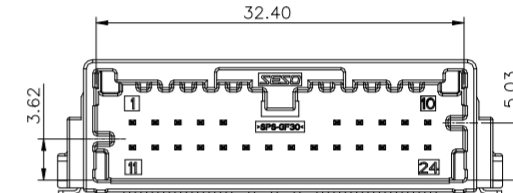
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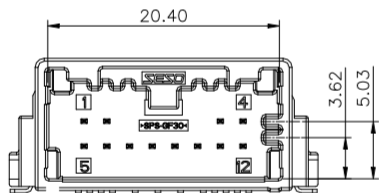
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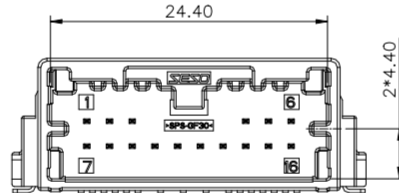
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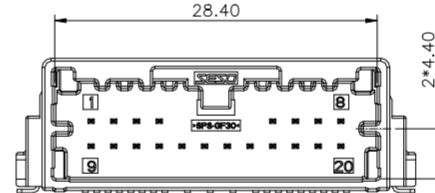
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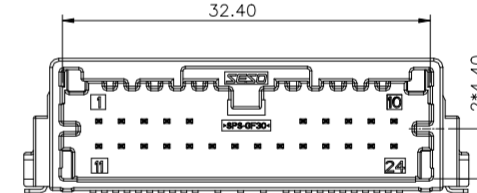
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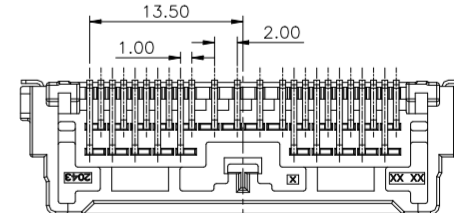
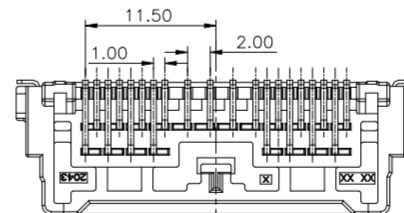
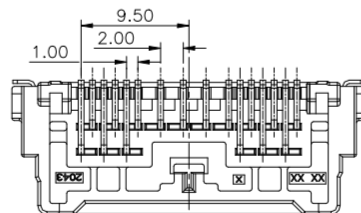
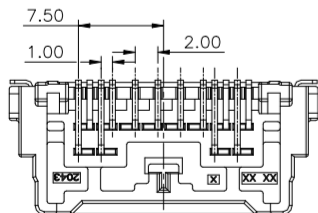
KEY C



KEY C



KEY C



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

Jack Zhang

Waverly Wang

Bless Guo

2023/02/06

PART NO.

2043WRS-DXXX-SSSW1XR

TITLE: 2.00mm Pitch WAFER
ASSY Right Angle 90° SMT

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

2/3

A0

A-000

20240929

A0

/

Initial release

Bless Guo

Jack Zhang

DATE

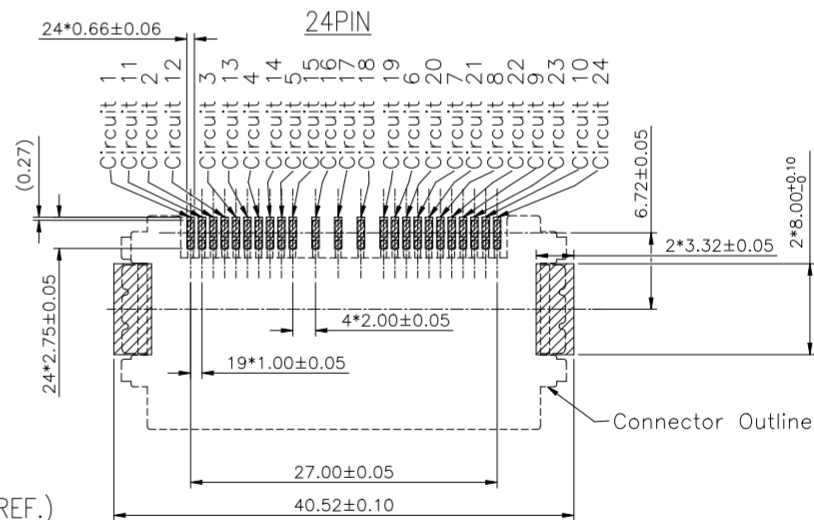
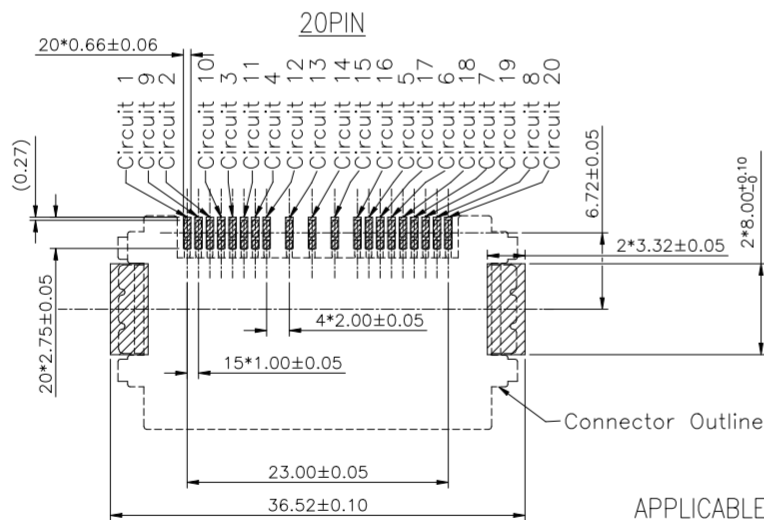
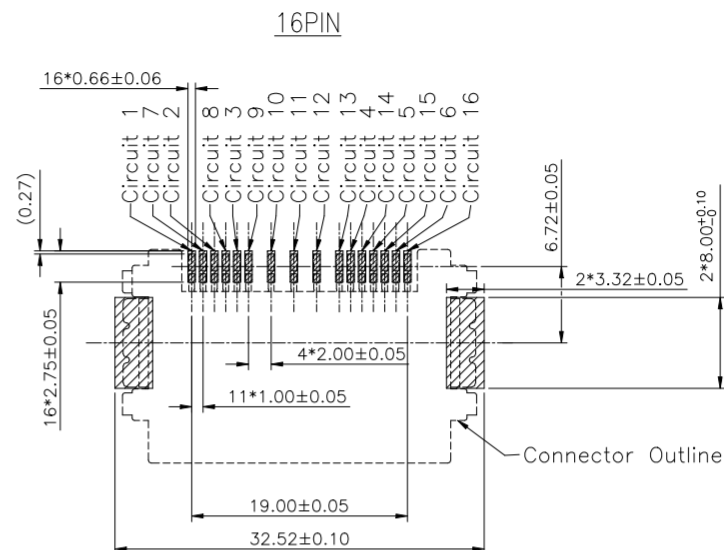
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ECN NO.

DESCRIPTION

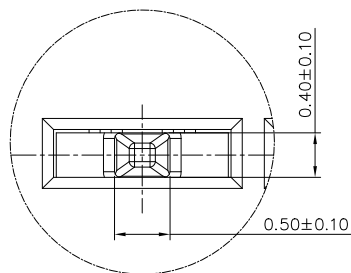
MODIFY

APPROVAL

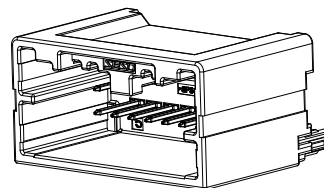


General Tolerance ± 0.05 t=1.6mm
RECOMMENDED SOLDER THICKNESS IS 0.15mm

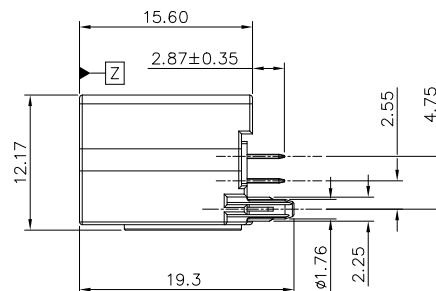
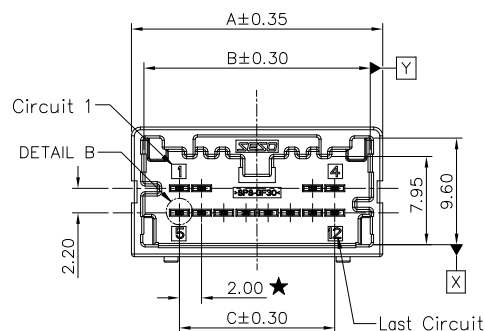
						GENERAL TOLERANCE .X ±0.35 .XX ±0.25 .XXX±0.15 X: ±2° PROJECT  SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2043WRS-DXXX-SSSW1XR								
										TITLE: 2.00mm Pitch WAFER ASSY Right Angle 90° SMT								
20240929	A0	/	Initial release	Bless Guo	Jack Zhang					APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL					Jack Zhang	Waverly Wang	Bless Guo	2023/02/06	mm	1:1	3/3	A0	A-000



Partial View B
Scale 10:1

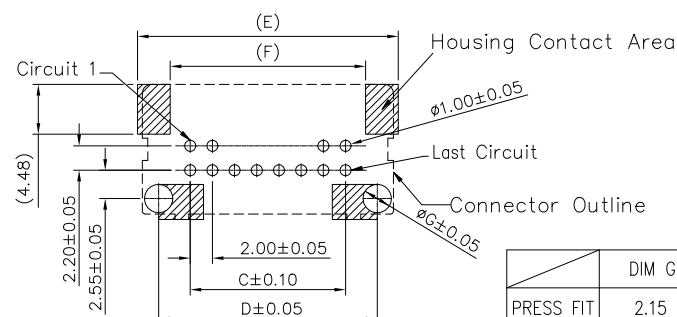
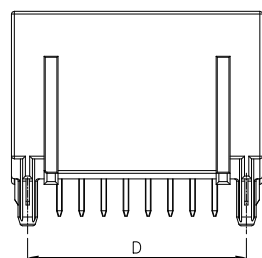


- Voltage Rating: 14V AC/DC
- Current Rating: 4A AC/DC
- Withstanding Voltage: 1000V AC/Minute
- Temperature Range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- Insulation Resistance: $100\text{M}\Omega$ Min./500V DC/Minute
- Contact Resistance: $\leq 25\text{m}\Omega$ (After Testing)
- Mates With Housing: 2043AM-DXXX-
 Note KEY bits must correspond to each other, for example, KEY A at the cable end corresponds to KEY A at the board end
- Product Specification: PS-2043-02
- Packaging Drawing: PK-2043WV-DXXX-XXXX
- Symbols for SPC Dimensions: "★"



2043 W V - DXX P X - SS SW1 X I
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

- ① Series No.: 2043
- ② Category: W-Wafer
- ③ Connector Type: V-DIP 180°
- ④ Row No.-Pin No.: DXX-Double Row-12/16/20/24Pin
- ⑤ Special No.: P-With Post
- ⑥ Special No.: A-Key A ,B-Key B ,C-Key C
- ⑦ Plastic Material: SS-SPS 94V-0
- ⑧ Plating Code: SW1-Matte Tin
Underplate: Ni 40~120u"(1~3um) overall
Top Plating: Sn 80~200u"(2~5um) overall
- ⑨ Color: B-Black,G-Grey, F-Dark Grey
- ⑩ Packing: T-Tray



APPLICABLE P.C.B LAYOUT(REF.)
P.C.B THICKNESS t=1.6mm

	DIM G
PRESS FIT	2.15
DROP IN	2.55

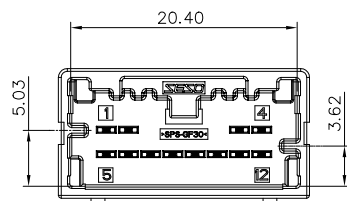
Poles	Dimensions (mm)					
	A	B	C	D	E	F
12PIN	22.63	20.40	14.00	19.70	23.50	17.61
16PIN	26.63	24.40	18.00	23.70	27.50	21.61
20PIN	30.63	28.40	22.00	27.70	31.50	25.61
24PIN	34.63	32.40	26.00	31.70	35.50	29.61

						GENERAL TOLERANCE	SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2043WV-DXXPX-SSSW1XT									
						.X ±0.35					APPROVAL CHECK DRAWN DATE					TITLE: 2.00mm Pitch Header ASSY Vertical 180° DIP				
						.XX ±0.25														
						.XXX±0.15														
20240929	A0	/	Initial release	Bless Guo	Jack Zhang	X: ±2°														
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Jack Zhang	Waverly Wang	Bless Guo	2023/02/06	UNIT mm	SCALE 1:1	SHEET 1/2	REV A0	NUMBER CD					

RoHS

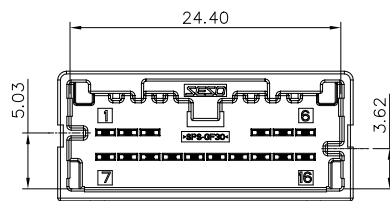
This products can apply to the SESO Doc NO. QA-3-04-005
of Environmental&Material Management Rules

12PIN



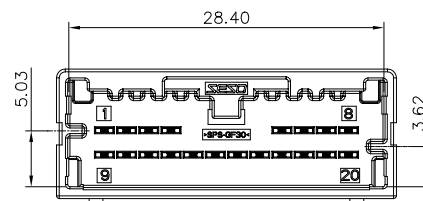
KEY A

16PIN



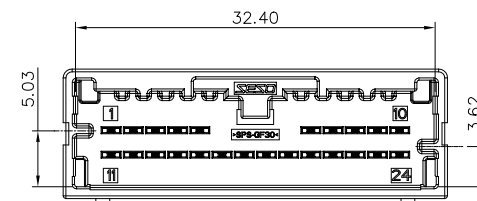
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20PIN



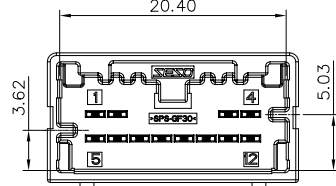
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24PIN



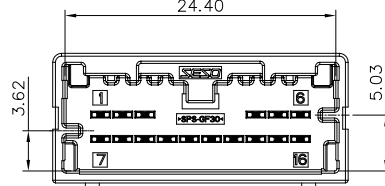
KEY A

20.40



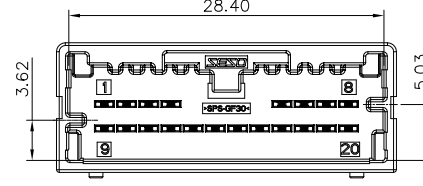
KEY B

24.40



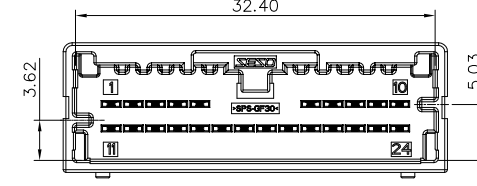
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28.40



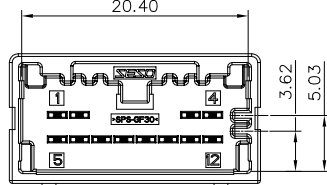
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32.40



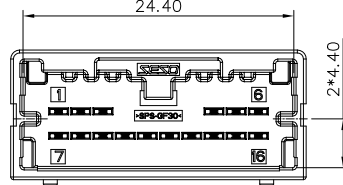
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20.40



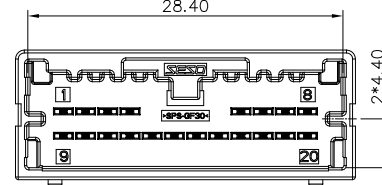
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24.40



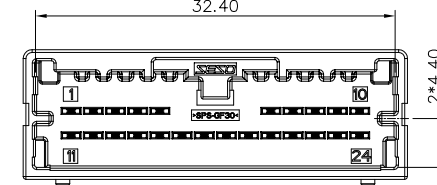
KEY C

28.40



KEY C

32.40



KEY C



										APPROVED 研发中心 Dongguan SESO Technology Co., Ltd. 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.				PART NO. 2043WV-DXXPX-SSSW1XT								
														TITLE: 2.00mm Pitch Header ASSY Vertical 180° DIP								
20240929	A0	/	Initial release	Bless Guo	Jack Zhang									APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL									Jack Zhang	Waverly Wang	Bless Guo	2023/02/06	mm	1:1	2/2	A0	CD

RoHS

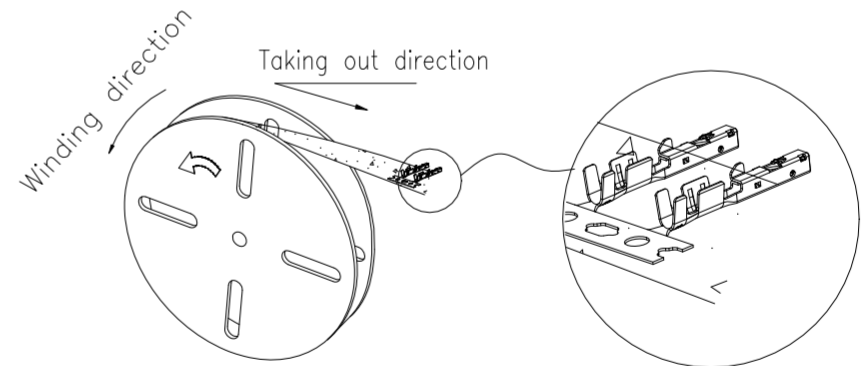
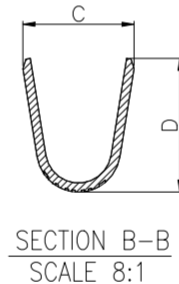
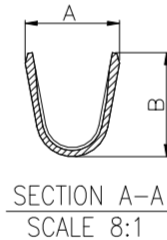
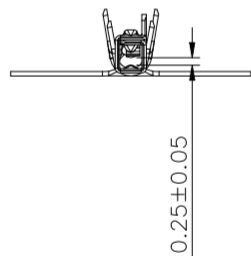
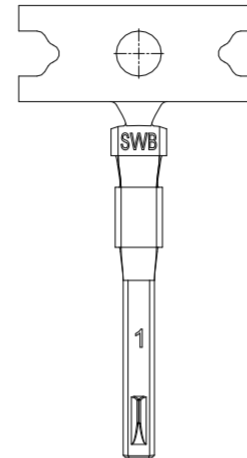
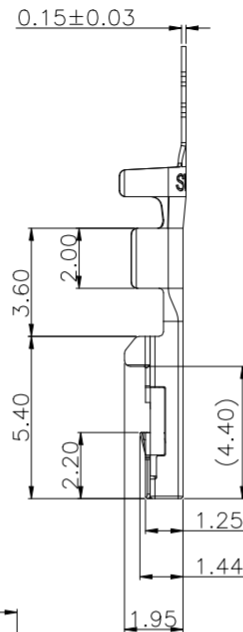
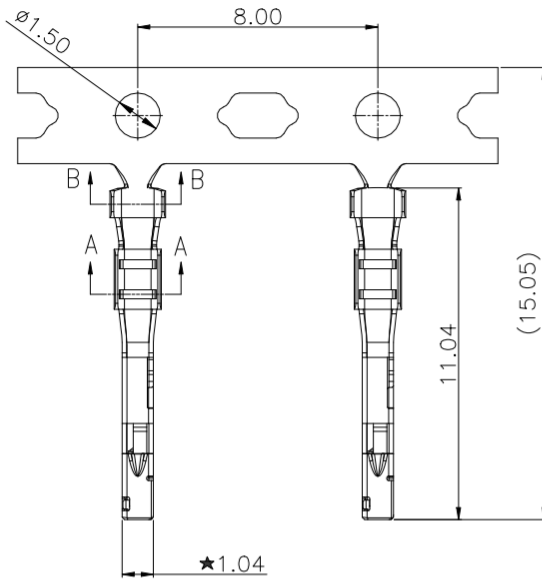
This products can apply to the SESO Doc NO. QA-3-04-005
of Environmental&Material Management Rules

■ Specifications:

- Current Rating: 4A AC/DC(0.35mm² Wire)
- Temperature Range:-40°C~+125°C
- Contact Resistance:≤25mΩ
- Mates With SESO Housing:2043AM-DXXX
- Packaging Drawing:PK-2043TF-XXX
- Product Specification:PS-2043-02
- Symbols for SPC Dimensions:"★"

2043 T X F - H X X
① ②③④ ⑤⑥⑦

- ① Series No.:2043
- ② Category:T-Terminal
- ③ Shape:Blank-Common Feet ;
L-Low Feet
- ④ Connector Type:F-Female terminal
- ⑤ Material:H-Copper alloy
- ⑥ Plating Code: Y2-40~120u"(1~3um) TIN
- ⑦ Plating Process: B-Stamping After Plating
Blank-Stamping Before Plating



2043TLF-HY2B

AWG#30~26
(0.05~0.13mm²)

Ø0.9mm Max

1.14

1.13

1.36

1.56

2043TF-HY2B

AWG#24~22
(0.22~0.35mm²)

Ø1.3mm Max

1.57

1.73

1.85

2.22

Part NO.

Wire Range

Insulation O.D.

DIM A

DIM B

DIM C

DIM D

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX±0.15

X.' ±2"

PROJECT

APPROVAL

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

APPROVAL

CHECK

DRAWN

DATE

PART NO.

2043TXF-HY2B

TITLE

2.00mm Female Terminal

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

1/1

A0

CD

20240926

A0

/

Initial release

Bless Guo

Jack Zhang

DATE

REV

ECN NO.

DESCRIPTION

MODIFY

APPROVAL