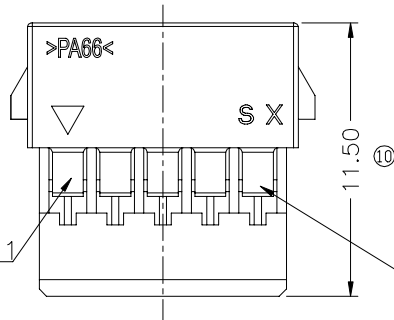
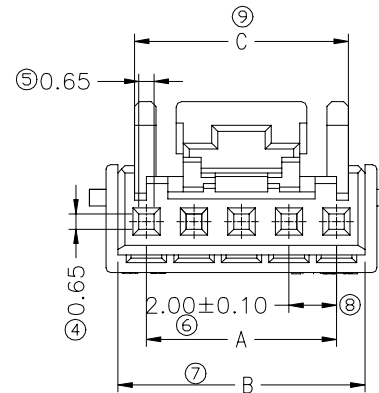
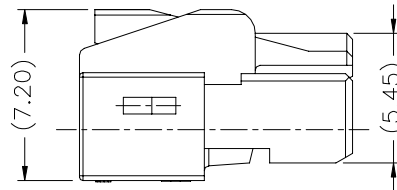
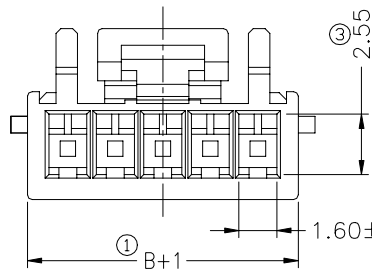
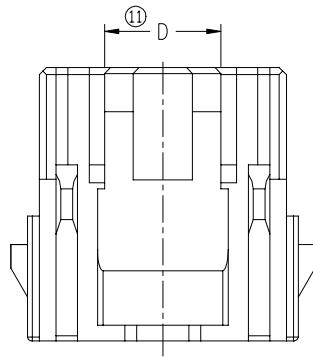


RoHS

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



Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Symbols for SPC dimensions: ★

2019 H -1xXX -N0 X B R 01 Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.:2019
- ② Category:H-HSG
- ③ Row No.-Pin No.: 1xXX-02P~05P
- ④ Material : N0-PA66 94V-0
- ⑤ Color : N-Natural B-Black
- ⑥ Packing:B-Bag
- ⑦ R-RoHS
- ⑧ Special No.:01
- ⑨ Q-Automotive products

Poles	Dimensions (mm)			
	A	B	C	D
02	2.00	4.40	3.20	2.10
03	4.00	6.40	5.00	3.90
04	6.00	8.40	6.60	4.90
05	8.00	10.40	9.00	4.90

2019H-1xXX-N0XBR01Q		Nylon 66 94V-0	C2019	2019T	2000W
PART NO		Material	Suitable SESO Retainer	Suitable SESO Terminal	Suitable SESO Header

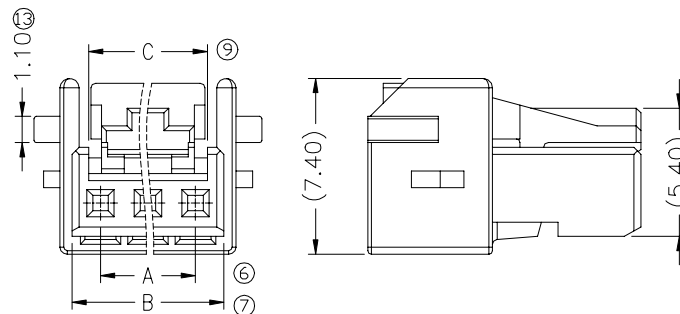
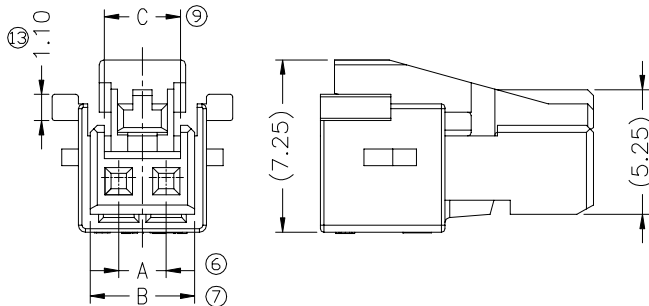
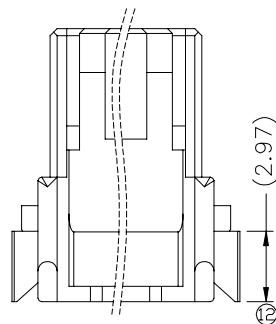
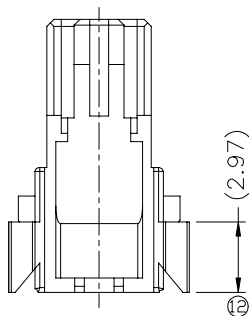
2023.06.25	C2	/	Update Drawing Frame	Starry lin	Larry Yang	GENERAL TOLERANCE .X ±0.30 .XX ±0.20 .XXX±0.10 X.' ±2" PROJECT APPROVAL	SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2019H-1xXX-N0XBR01Q				
2021.12.30	C1	/	Update the drawing	sylvia	Larry Yang						TITLE 2.00mm Connector Housing (Retainer mountable type)				
2020.03.28	C	ER2020032802	Add material marking	Xiaohu Jiang	Harvey Yan						UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL						mm	1:1	1/2	C2	CD

RoHS

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

2 P

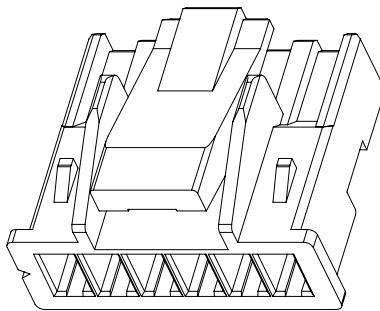
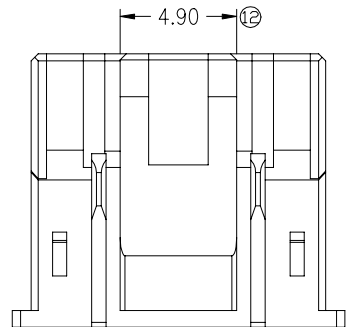
3~4 P



2023.06.25	C2	/	Update Drawing Frame	Starry lin	Larry Yang	GENERAL TOLERANCE .X ±0.30 .XX ±0.20 .XXX±0.10 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 Larry Yang Starry lin 2019/10/07				PART NO. 2019H-1xXX-NONBR01Q				
2021.12.30	C1	/	Update the drawing	sylvia	Larry Yang					TITLE 2.00mm Connector Housing (Retainer mountable type)				
2020.03.28	C	ER2020032802	Add material marking	Xiaohu Jiang	Harvey Yan					UNIT SCALE SHEET REV NUMBER				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL					mm 1:1 2/2 C2 CD				

RoHS

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

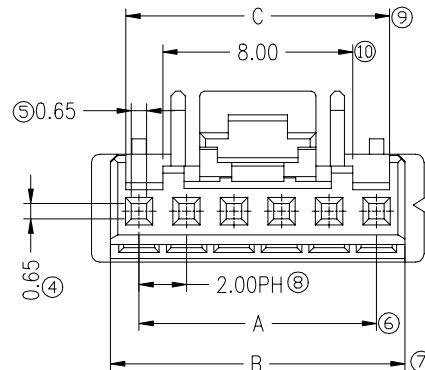
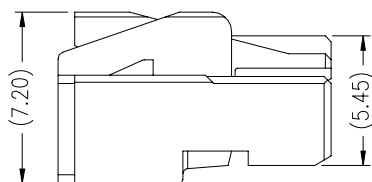
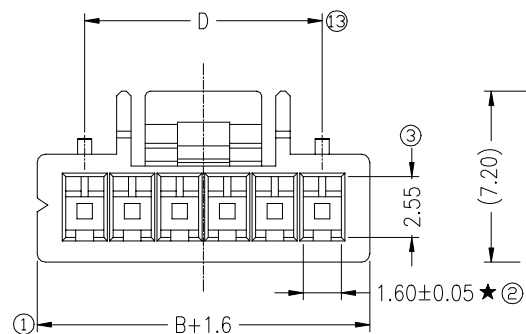


Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $\leq 10m\Omega$
- After environmental testing: $\leq 20m\Omega$
- Symbols for SPC dimensions: ★

2019 H -1xXX -NO X B R 01 Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.:2019
② Category:H-HSG
③ Row No.-Pin No.: 1xXX-06P~09P
④ Material : NO-PA66 94V-0
⑤ Color : N-Natural B-Black
⑥ Packing: B-Bag
⑦ R-RoHS
⑧ Special No.:01
⑨ Q-Vehicle products



Poles	Dimensions (mm)			
	A	B	C	D
06	10.00	12.40	11.10	10.00
07	12.00	14.40	13.10	10.00
08	14.00	16.40	15.10	10.00
09	16.00	18.40	17.10	12.00

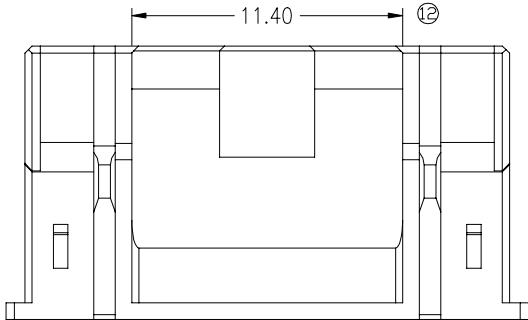
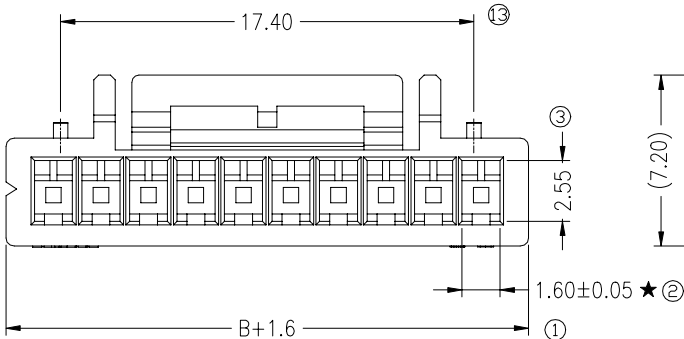
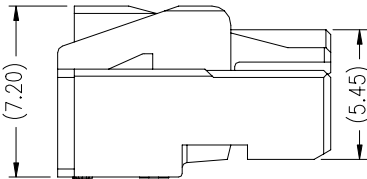
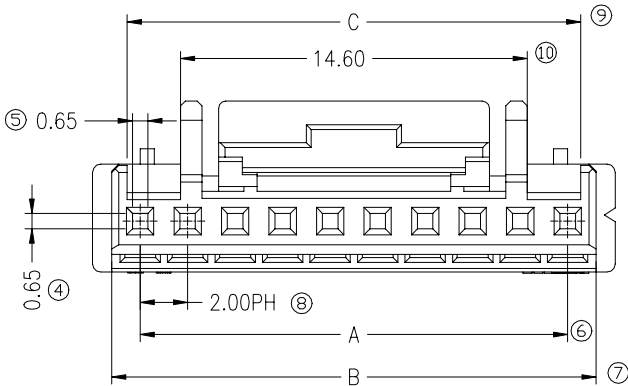
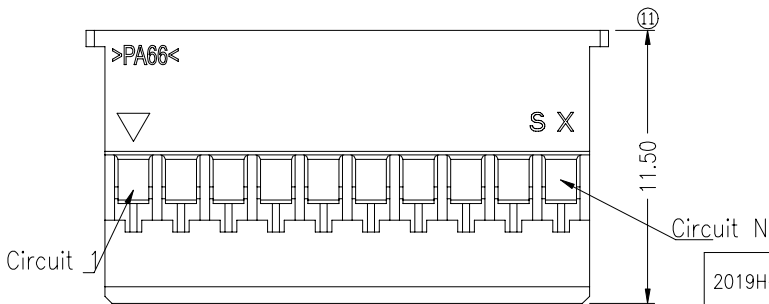
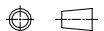
2019H-1xXX-NOXBR01Q		Nylon 66 94V-0	C2019		2019T		2000W	
PART NO		Material	Suitable SESO Retainer		Suitable SESO Terminal		Suitable SESO Header	

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT				PART NO.				
						GENERAL TOLERANCE				2019H-1xXX-NOXBR01Q				
2023.6.25	B1	/	Update Drawing Frame	Starry lin	Larry Yang	.X ±0.30				TITLE				
2020.03.28	B	ER2020032802	Add material marking	Xiaohu Jiang	Harvey Yan	.XX ±0.20				2.00mm Connector Housing (Retainer mountable type)				
						.XXX±0.10				UNIT				
						X.' ±2"				SCALE				
						PROJECT				SHEET				
						APPROVAL				REV				
						Jack Zhang				NUMBER				
						2019/07/18				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: 250V AC / DC - Current rating: 3A AC / DC - Withstanding voltage: 800V AC/minute - Temperature range: -40°C~+125°C - Insulation resistance:≥1000MΩ - Contact resistance: ≤10mΩ - After environmental testing: ≤20mΩ - Symboms for SPC dimensions: ★					2019 H -1xXX -N0 X B R 01 Q ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ① Series No.: 2019 ② Category: H-HSG ③ Row No.-Pin No.: 1xXX-10P~15P ④ Material : N0-PA66 94V-0 ⑤ Color : N-Natural B-Black ⑥ Packing: B-Bag ⑦ R-RoHS ⑧ Special No.:01 ⑨ Q-Vehicle products																																				
									<table border="1"> <thead> <tr> <th>Poles</th><th colspan="3">Dimensions (mm)</th></tr> <tr> <th></th><th>A</th><th>B</th><th>C</th></tr> </thead> <tbody> <tr><td>10</td><td>18.00</td><td>20.40</td><td>19.10</td></tr> <tr><td>11</td><td>20.00</td><td>22.40</td><td>21.10</td></tr> <tr><td>12</td><td>22.00</td><td>24.40</td><td>23.10</td></tr> <tr><td>13</td><td>24.00</td><td>26.40</td><td>25.10</td></tr> <tr><td>14</td><td>26.00</td><td>28.40</td><td>27.10</td></tr> <tr><td>15</td><td>28.00</td><td>30.40</td><td>29.10</td></tr> </tbody> </table>					Poles	Dimensions (mm)				A	B	C	10	18.00	20.40	19.10	11	20.00	22.40	21.10	12	22.00	24.40	23.10	13	24.00	26.40	25.10	14	26.00	28.40	27.10	15	28.00	30.40	29.10
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	1	2	3	4	5	6	7	8																																					

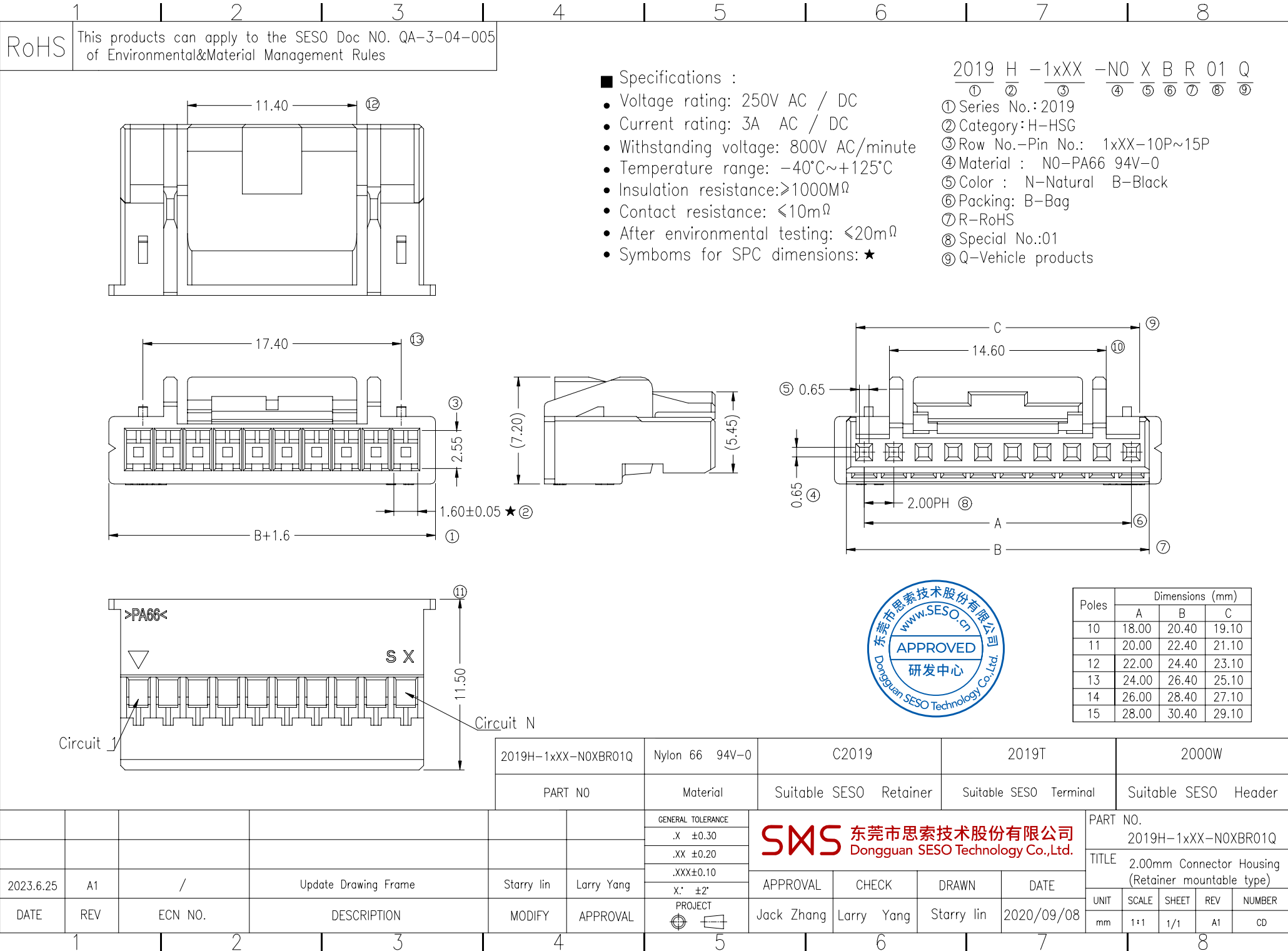
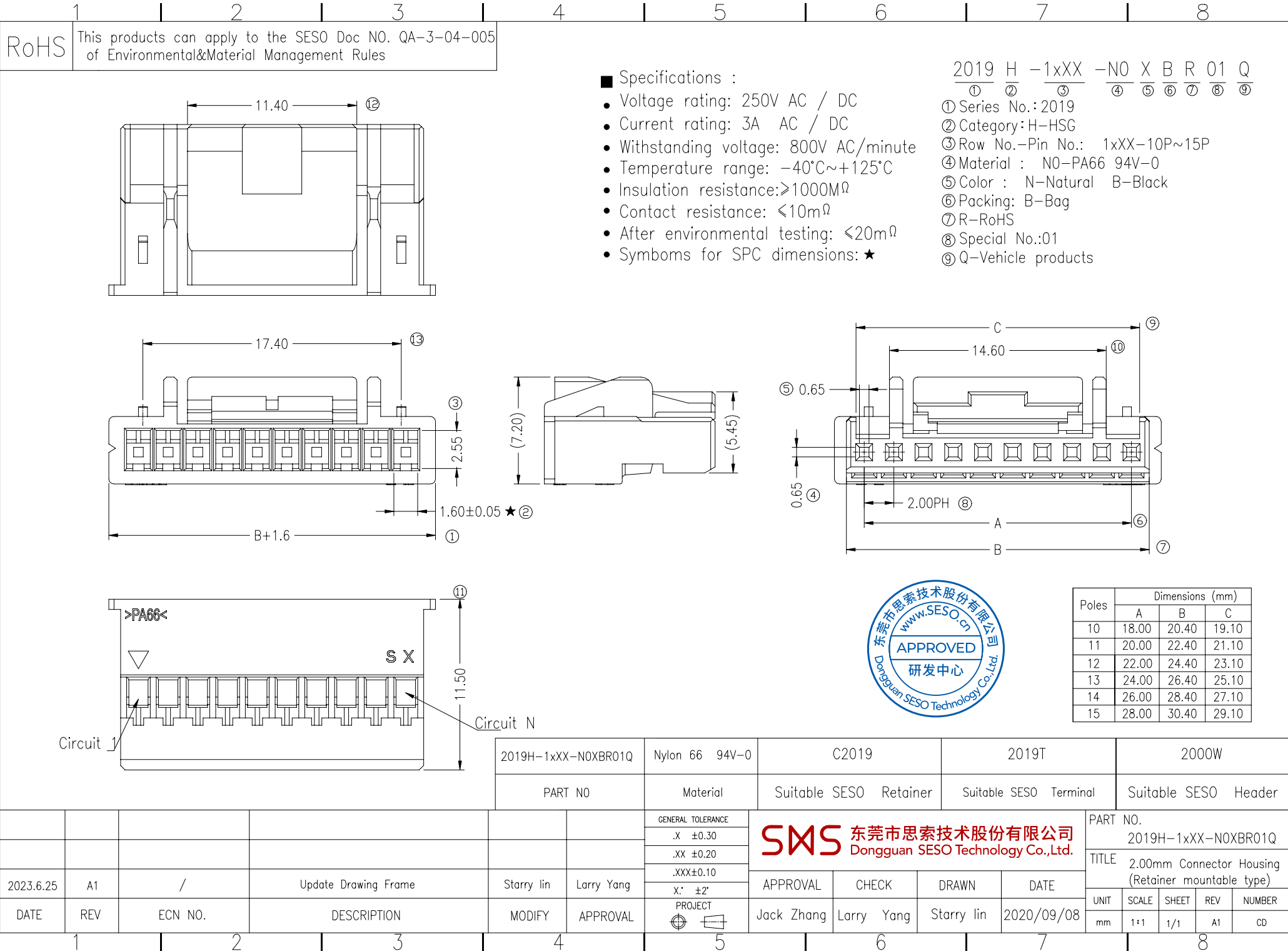
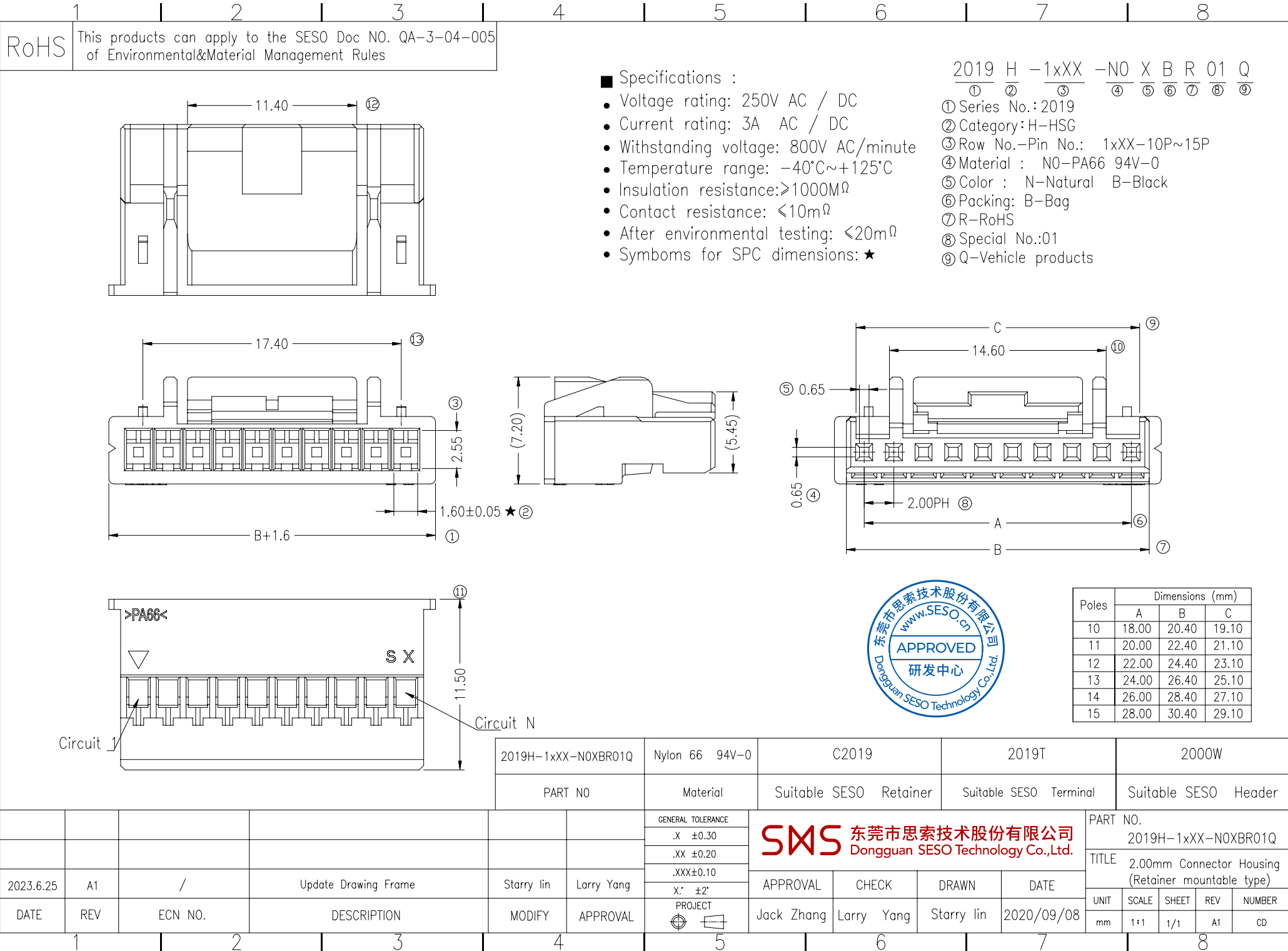
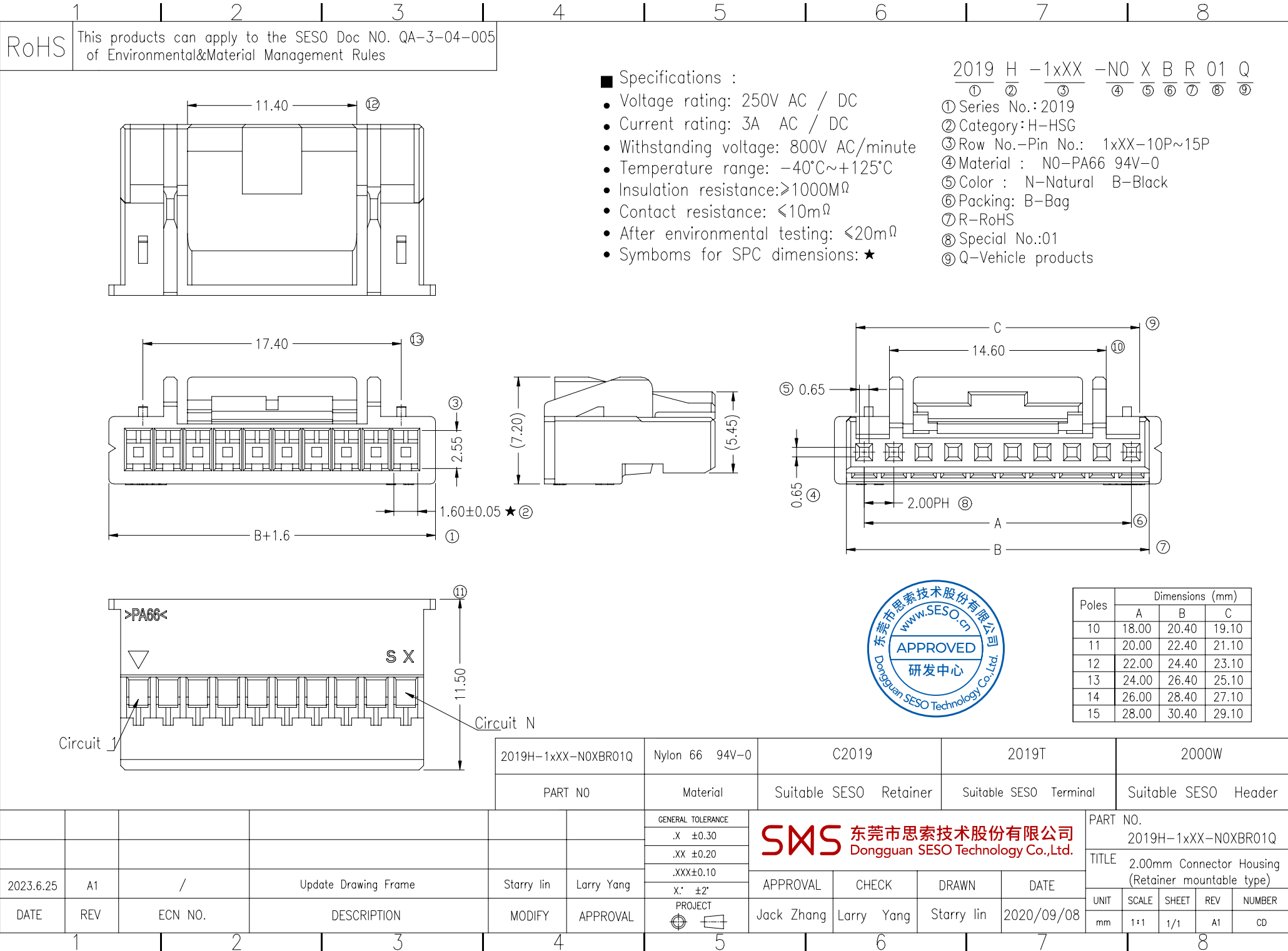
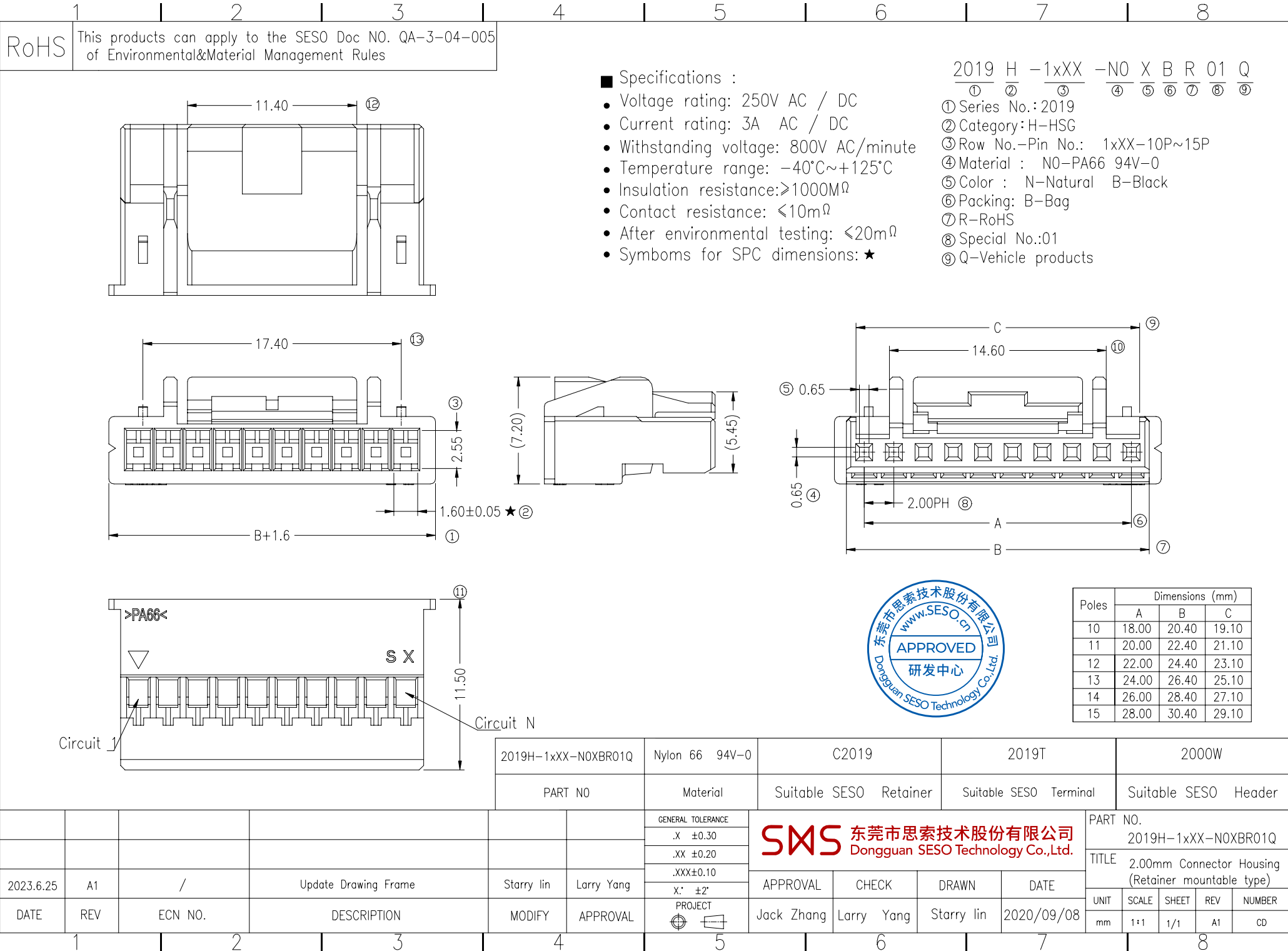
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DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT																																		
							Jack Zhang	Larry Yang	Starry lin																															
							2020/09/08																																	
1	2	3	4	5	6	7	8																																	

- | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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④ Material : N0-PA66 94V-0
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⑧ Special No.:01
⑨ Q-Vehicle products | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | | |  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Poles | Dimensions (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A | B | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 11 | 20.00 | 22.40 | 21.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 13 | 24.00 | 26.40 | 25.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 26.00 | 28.40 | 27.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 28.00 | 30.40 | 29.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2019H-1xXX-N0XBR01Q | Nylon 66 94V-0 | C2019 | 2019T | 2000W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | PART NO | Material | Suitable SESO Retainer | Suitable SESO Terminal | Suitable SESO Header | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | GENERAL TOLERANCE |  东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd. | | PART NO.
2019H-1xXX-N0XBR01Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | .X ±0.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | .XX ±0.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | .XXX±0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2023.6.25 | A1 | / | Update Drawing Frame | Starry lin | Larry Yang | APPROVAL | CHECK | DRAWN | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE | REV | ECN NO. | DESCRIPTION | MODIFY | APPROVAL | PROJECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | |  | Jack Zhang | Larry Yang | Starry lin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

[illegible]

- | | 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 : <ul style="list-style-type: none"> Voltage rating: 250V AC / DC Current rating: 3A AC / DC Withstanding voltage: 800V AC/minute Temperature range: -40°C~+125°C Insulation resistance: ≥1000MΩ Contact resistance: ≤10mΩ After environmental testing: ≤20mΩ Symbols for SPC dimensions: ★ | | 2019 H -1xXX -N0 X B R 01 Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
① Series No.: 2019
② Category: H-HSG
③ Row No.-Pin No.: 1xXX-10P~15P
④ Material : N0-PA66 94V-0
⑤ Color : N-Natural B-Black
⑥ Packing: B-Bag
⑦ R-RoHS
⑧ Special No.:01
⑨ Q-Vehicle products | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | <table border="1"> <thead> <tr> <th>Poles</th><th colspan="3">Dimensions (mm)</th></tr> <tr> <th></th><th>A</th><th>B</th><th>C</th></tr> </thead> <tbody> <tr><td>10</td><td>18.00</td><td>20.40</td><td>19.10</td></tr> <tr><td>11</td><td>20.00</td><td>22.40</td><td>21.10</td></tr> <tr><td>12</td><td>22.00</td><td>24.40</td><td>23.10</td></tr> <tr><td>13</td><td>24.00</td><td>26.40</td><td>25.10</td></tr> <tr><td>14</td><td>26.00</td><td>28.40</td><td>27.10</td></tr> <tr><td>15</td><td>28.00</td><td>30.40</td><td>29.10</td></tr> </tbody> </table> | | | Poles | Dimensions (mm) | | | | A | B | C | 10 | 18.00 | 20.40 | 19.10 | 11 | 20.00 | 22.40 | 21.10 | 12 | 22.00 | 24.40 | 23.10 | 13 | 24.00 | 26.40 | 25.10 | 14 | 26.00 | 28.40 | 27.10 | 15 | 28.00 | 30.40 | 29.10 |
| Poles | Dimensions (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A | B | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 18.00 | 20.40 | 19.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 20.00 | 22.40 | 21.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 22.00 | 24.40 | 23.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 24.00 | 26.40 | 25.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 26.00 | 28.40 | 27.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 28.00 | 30.40 | 29.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2019H-1xXX-N0XBR01Q | Nylon 66 94V-0 | C2019 | 2019T | 2000W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | PART NO | Material | Suitable SESO Retainer | Suitable SESO Terminal | Suitable SESO Header | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | GENERAL TOLERANCE | 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.
APPROVED
研发中心 | | PART NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | .X ±0.30 | | | 2019H-1xXX-N0XBR01Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | .XX ±0.20 | | | TITLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | .XXX±0.10 | | | 2.00mm Connector Housing
(Retainer mountable type) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2023.6.25 | A1 | / | Update Drawing Frame | Starry lin | Larry Yang | APPROVAL | CHECK | DRAWN | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE | REV | ECN NO. | DESCRIPTION | MODIFY | APPROVAL | PROJECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Jack Zhang | Larry Yang | Starry lin | 2020/09/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



	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: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $\leq 10m\Omega$
- After environmental testing: $\leq 20m\Omega$
- Symbols for SPC dimensions: ★

2019 H -1xXX -N0 X B R 01 Q

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.: 2019
- ② Category:H-HSG
- ③ Row No.-Pin No.: 1xXX-10P~15P
- ④ Material : N0-PA66 94V-0
- ⑤ Color : N-Natural B-Black
- ⑥ Packing: B-Bag
- ⑦ R-RoHS
- ⑧ Special No.:01
- ⑨ Q-Vehicle products

Poles	Dimensions (mm)		
	A	B	C
10	18.00	20.40	19.10
11	20.00	22.40	21.10
12	22.00	24.40	23.10
13	24.00	26.40	25.10
14	26.00	28.40	27.10
15	28.00	30.40	29.10

PART NO.		Material		C2019		2019T		2000W	
2019H-1xXX-N0XBR01Q		Nylon 66 94V-0		Suitable SESO Retainer		Suitable SESO Terminal		Suitable SESO Header	
DATE		REV		ECN NO.		DESCRIPTION		MODIFY	
2023.6.25		A1		/		Update Drawing Frame		Starry lin Larry Yang	
APPROVAL		CHECK		DRAWN		DATE		PROJECT	
Jack Zhang		Larry Yang		Starry lin		2020/09/08		GENERAL TOLERANCE	
								.X ±0.30	
								.XX ±0.20	
								.XXX±0.10	
								X' ±2'	
								UNIT	
								SCALE	
								SHEET	
								REV	
								NUMBER	
								CD	

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

PART NO.
2019H-1xXX-N0XBR01Q
TITLE
2.00mm Connector Housing
(Retainer mountable type)
UNIT SCALE SHEET REV NUMBER
mm 1:1 1/1 A1 CD

RoHS

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

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RoHS

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

Top view drawing of the connector housing showing dimensions 11.40 and callout ⑫.

Bottom view drawing of the connector housing showing dimensions 17.40, 2.55, B+1.6, and callouts ①, ③, ⑩, ⑬.

Side view drawing of the connector housing showing dimensions 7.20 and 5.45.

Front view drawing of the connector housing showing dimensions 0.65, 2.00PH, A, B, C, and callouts ④, ⑤, ⑥, ⑦, ⑧, ⑨, ⑪.

Detail drawing of the terminal pin showing dimension 11.50 and callout ⑪.

Specifications :

Voltage rating: 250V AC / DC

Current rating: 3A AC / DC

Withstanding voltage: 800V AC/minute

Temperature range: -40°C~+125°C

Insulation resistance:>1000MΩ

Contact resistance: ≤10mΩ

After environmental testing: <20mΩ

Symbols for SPC dimensions: ★

2019 H -1xXX -N0 X B R 01 Q

① Series No.: 2019

② Category:H-HSG

③ Row No.-Pin No.: 1xXX-10P~15P

④ Material : N0-PA66 94V-0

⑤ Color : N-Natural B-Black

⑥ Packing: B-Bag

⑦ R-RoHS

⑧ Special No.:01

⑨ Q-Vehicle products

东莞市思索技术股份有限公司

www.SESO.cn

APPROVED

研发中心

Dongguan SESO Technology Co.,Ltd.

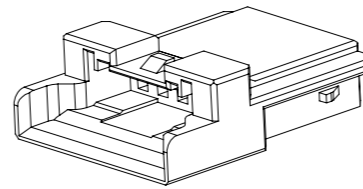
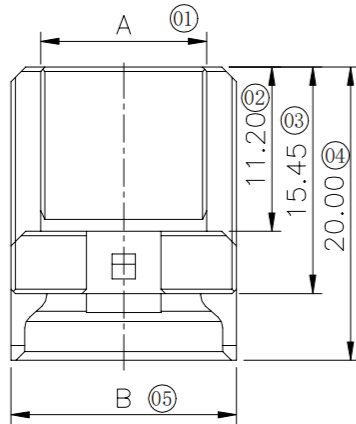
Poles	Dimensions (mm)		
	A	B	C
10	18.00	20.40	19.10
11	20.00	22.40	21.10
12	22.00	24.40	23.10
13	24.00	26.40	25.10
14	26.00	28.40	27.10
15	28.00	30.40	29.10

2019H-1xXX-N0XBRO1Q	Nylon 66 94V-0	C2019	2019T	2000W
PART NO	Material	Suitable SESO Retainer	Suitable SESO Terminal	Suitable SESO Header

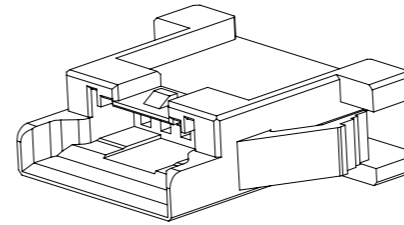
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2023.6.25	A1	/	Update Drawing Frame	Starry lin	Larry Yang							Jack Zhang	Larry Yang	Starry lin	2020/09/08	2019H-1xXX-N0XBRO1Q	2.00mm Connector Housing (Retainer mountable type)	mm	1:1	1/1	A1	CD

RoHS

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



General specification



Buckle specification

Specifications :

Voltage rating: 100V Max. AC / DC

Withstanding voltage: 800V AC/minute

Temperature range: -40°C~+125°C

Insulation resistance: ≥1000MΩ

Mates With SESO Housing: 2019H

Mates With SESO Terminal: 2019TM

Mates With SESO TPA: C2019

Symbols for SPC dimensions: "★"

Product Specification: PS-2019-04

Packaging Drawing: PK-2019HF-XXX-N0XX

2019 H F-XX X -N0 XX

① ② ③ ④ ⑤ ⑥ ⑦

① Series No.: 2019

② Category: H-HSG

③ Connector type: F-Female HSG

④ Row No./ Pin No.: XX-02P~05P

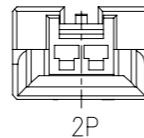
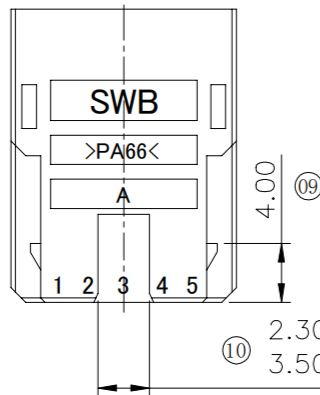
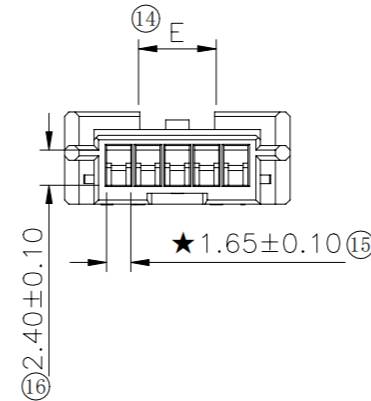
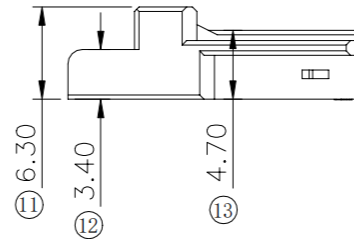
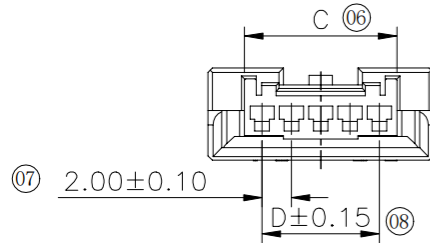
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Blank code-normal

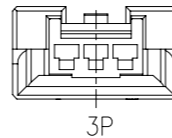
A-Wing buckle

⑥ Material: NO-PA66 94V-0

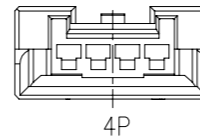
⑦ Color: NC-Natural BK-Black



2P



3P



4P

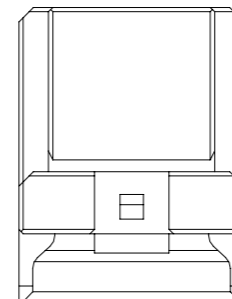
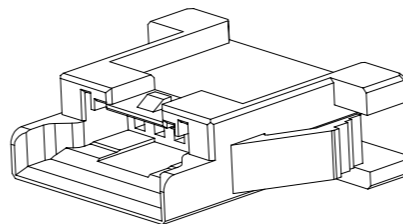
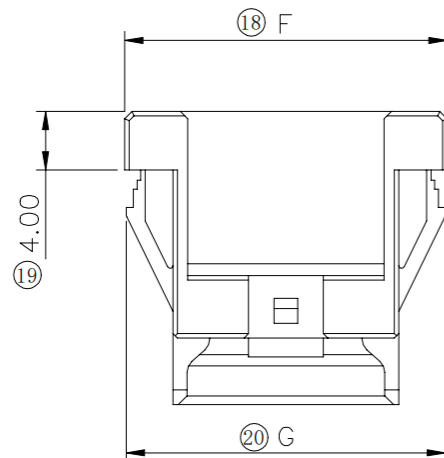
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	A	B	C	D	E
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03	7.35	11.40	6.40	4.00	4.10
04	9.35	13.40	8.40	6.00	5.10
05	11.35	15.40	10.40	8.00	5.10

20240111	A2	/	Add the marking of die number	Starry lin	Larry 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.				PART NO. 2019HF-XXX-N0XX TITLE 2.0Pitch 2019HF UNIT mm			
20230901	A1	/	Update Drawing Frame	Starry lin	Larry Yang									
20211029	A0	/	Initial release	Milo Huang	John Yang									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL									
						PROJECT	Jack Zhang	Larry Yang	Starry lin	2021/10/29	SCALE	SHEET	REV	NUMBER
											1:1	1/2	A2	CD

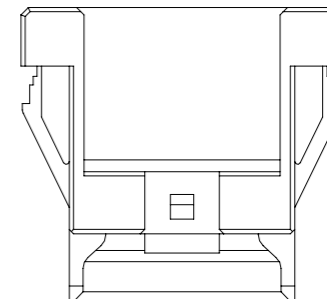
RoHS

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

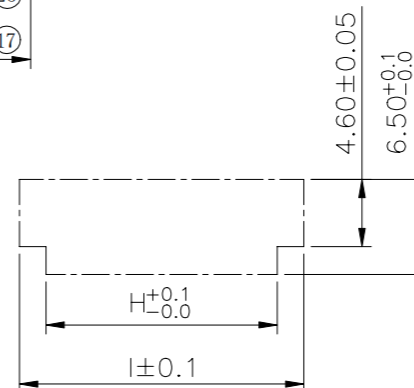
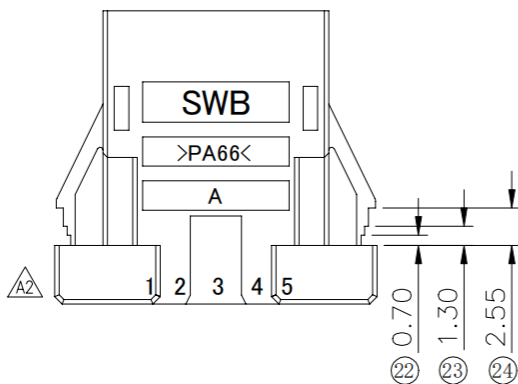
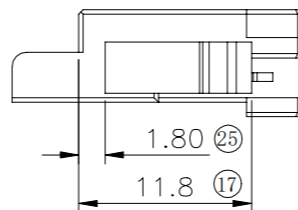
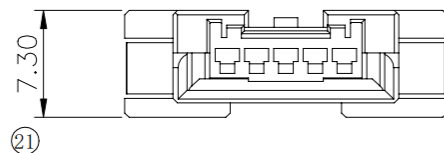
02~05P Buckle specification



2019HF-XX-N0XX
General specification



2019HF-XXA-N0XX
Buckle specification



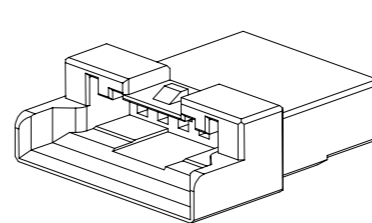
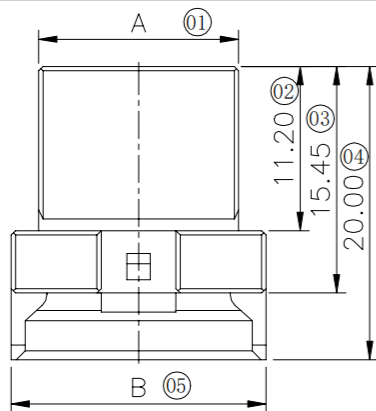
Panel Layout



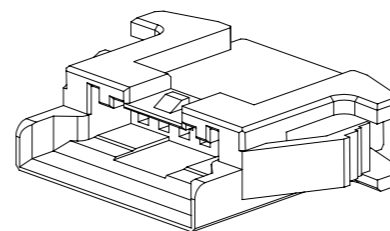
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	F	G	H	I
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03	18.00	17.80	11.80	15.40
04	20.00	19.80	13.80	17.40
05	22.00	21.80	15.80	19.40

20240111	A2	/	Add the marking of die number	Starry lin	Larry 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 Larry Yang Starry lin 2021/10/29				PART NO.				
20230901	A1	/	Update Drawing Frame	Starry lin	Larry Yang						2019HF-XXX-N0XX				
20211029	A0	/	Initial release	Milo Huang	John Yang						TITLE				
											2.0Pitch 2019HF				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL						UNIT	SCALE	SHEET	REV	NUMBER
											mm	1:1	2/2	A2	CD

RoHS

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

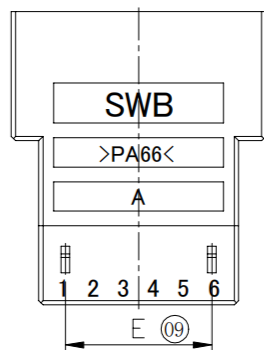
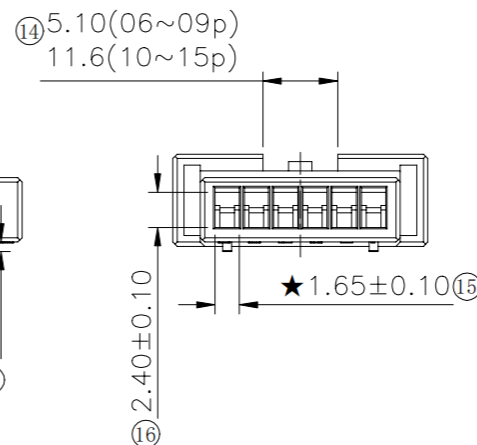
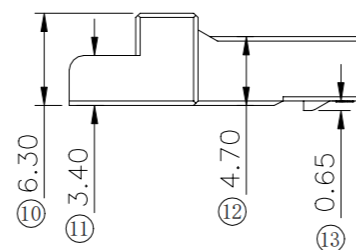
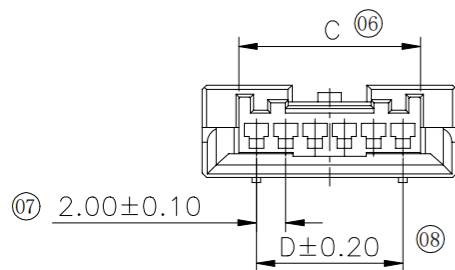
General specification



Buckle specification

■ Specifications :

- Voltage rating: 100V Max. AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 1000M\Omega$
- Mates With SESO Housing: 2019H
- Mates With SESO Terminal: 2019TM
- Mates With SESO TPA: C2019
- Symbols for SPC dimensions: "★"
- Product Specification: PS-2019-04
- Packaging Drawing: PK-2019HF-XXX-NOXX



2019 H F-XX X -N0 XX

① ② ③ ④ ⑤ ⑥ ⑦

① Series No.: 2019

② Category: H-HSG

③ Connector type: F-Female HSG

④ Row No./ Pin No.: XX-06P~15P

⑤ Special code:

Blank code-normal

A-Wing buckle

⑥ Material: N0-PA66 94V-0

⑦ Color: NC-Natural BK-Black

20230901	A1	/	Update Drawing Frame	Starry lin	Larry Yang
20211029	A0	/	Initial release	Milo Huang	John Yang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

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.

2019HF-XXX-NOXX

TITLE

2.0Pitch 2019HF

UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/3	A1	CD

APPROVAL

CHECK

DRAWN

DATE

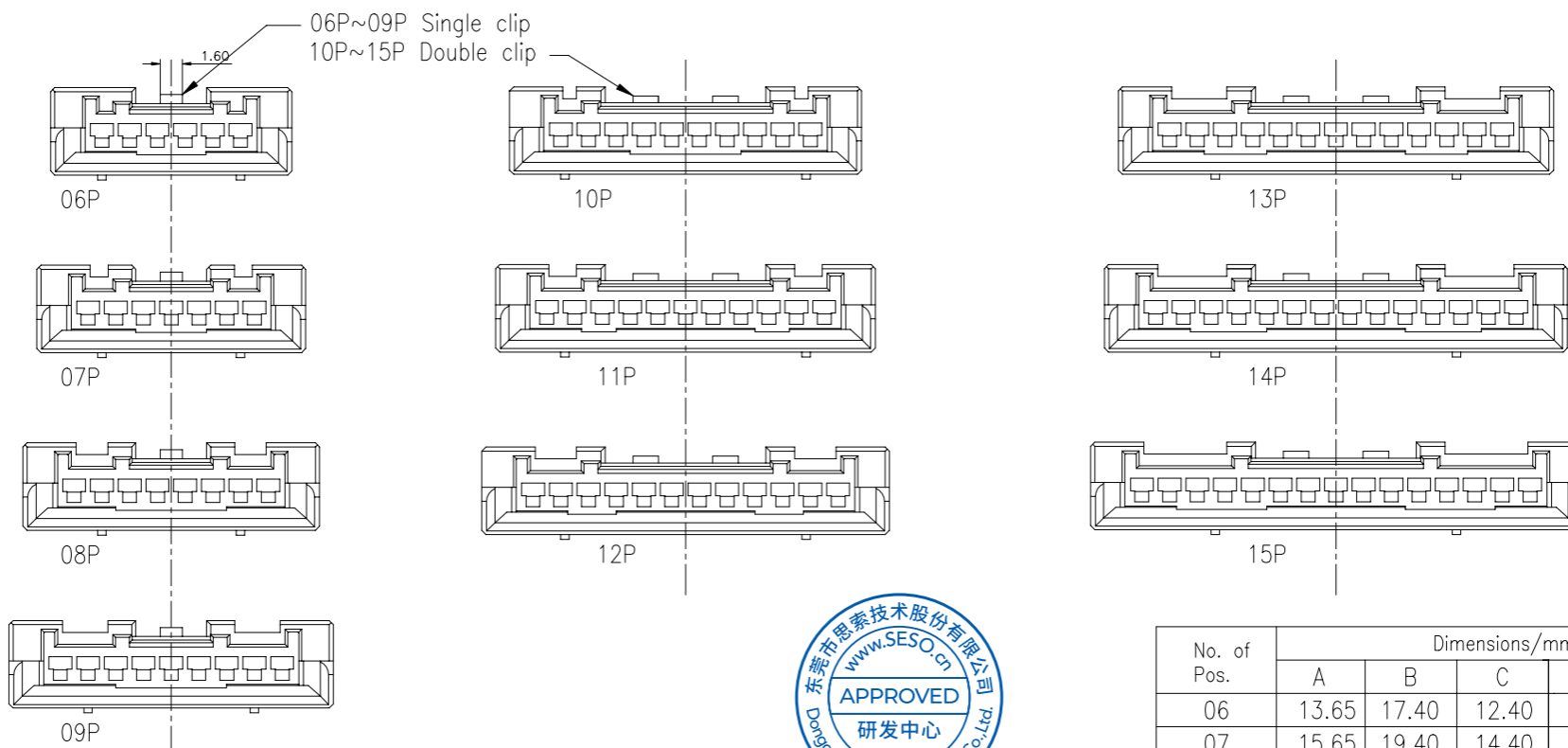
Jack Zhang

Larry Yang

Starry lin

2021/10/29

06~15P General specification



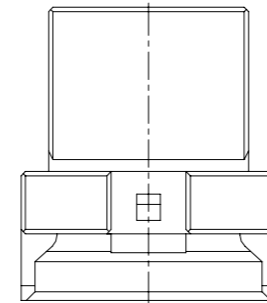
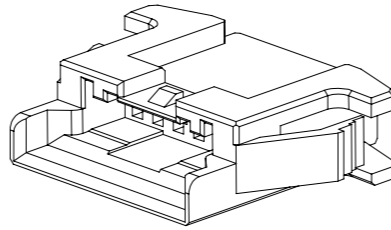
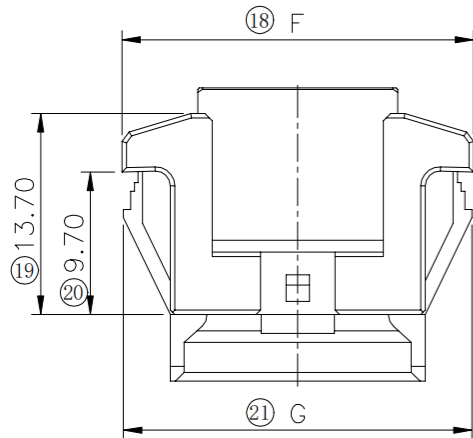
No. of Pos.	Dimensions/mm				
	A	B	C	D	E
06	13.65	17.40	12.40	10.00	10.00
07	15.65	19.40	14.40	12.00	
08	17.65	21.40	16.40	14.00	
09	19.65	23.40	18.40	16.00	12.00
10	21.65	25.40	20.40	18.00	17.40
11	23.65	27.40	22.40	20.00	
12	25.65	29.40	24.40	22.00	
13	27.65	31.40	26.40	24.00	
14	29.65	33.40	28.40	26.00	
15	31.65	35.40	30.40	28.00	

						GENERAL TOLERANCE				 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO.				
						.X ±0.35								2019HF-XXX-NOXX				
						.XX ±0.25								TITLE				
20230901	A1	/	Update Drawing Frame	Starry lin	Larry Yang	.XXX±0.15				APPROVAL CHECK DRAWN DATE				2.0Pitch 2019HF				
20211029	A0	/	Initial release	Milo Huang	John Yang	X: ±2*								UNIT				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT				Jack Zhang Larry Yang Starry lin 2021/10/29				mm	SCALE	SHEET	REV	NUMBER
														2019HF-XXX-NOXX	1:1	2/3	A1	CD

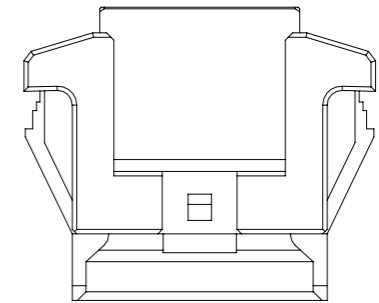
RoHS

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

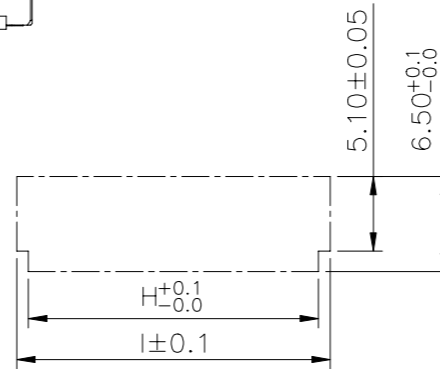
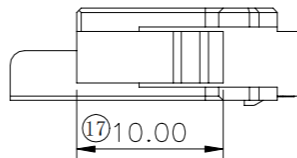
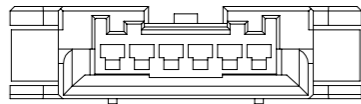
06~15P Buckle specification



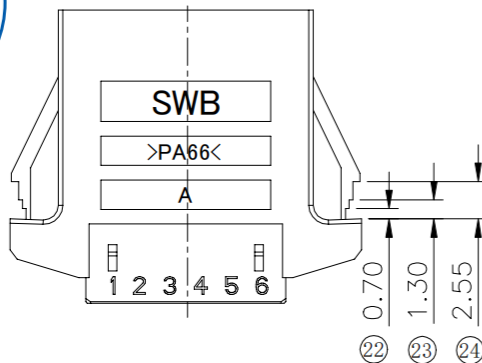
2019HF-XX-NOXX
General specification



2019HF-XXA-NOXX
Buckle specification



Panel Layout



No. of Pos.	Dimensions/mm			
	F	G	H	I
06	24.00	23.80	19.80	21.40
07	26.00	25.80	21.80	23.40
08	28.00	27.80	23.80	25.40
09	30.00	29.80	25.80	27.40
10	32.00	31.80	27.80	29.40
11	34.00	33.80	29.80	31.40
12	36.00	35.80	31.80	33.40
13	38.00	37.80	33.80	35.40
14	40.00	39.80	35.80	37.40
15	42.00	41.80	37.80	39.40

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	GENERAL TOLERANCE				PART NO.			
						.X ±0.35	.XX ±0.25	.XXX ±0.15	X' ±2				
20230901	A1	/	Update Drawing Frame	Starry lin	Larry Yang	PROJECT				TITLE			
20211029	A0	/	Initial release	Milo Huang	John Yang	APPROVAL				2.0Pitch 2019HF			
						UNIT				SCALE			
						mm				1:1			
						SHEET				3/3			
						REV				A1			
						NUMBER				CD			

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Dongguan SESO Technology Co.,Ltd.

APPROVAL CHECK DRAWN DATE

Jack Zhang Larry Yang Starry lin 2021/10/29

RoHS

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of Environmental&Material Management Rules

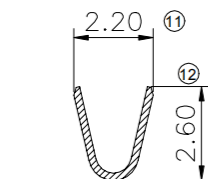
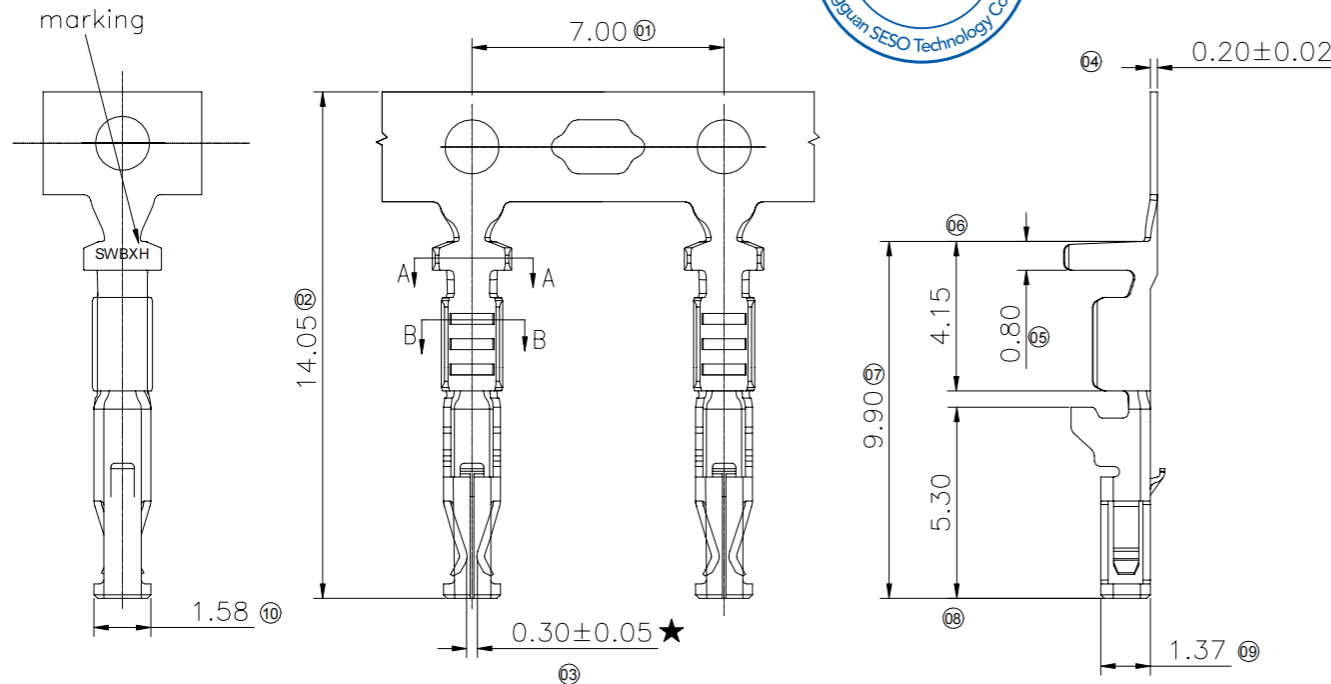


■ Specification:

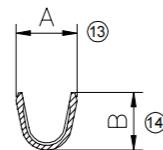
- Current Rating: 3A AC/DC
- Temperature Range: -40°C~+125°C
- Contact Resistance: <10mΩ (Initial)
<20mΩ (After Testing)
- Mates With SESO Housing: 2019H-XX
- Packaging Drawing: PK-2019T-HY2PX-XXQ
- Product Specification: PS-2019-01
- Symbols for SPC Dimensions: ★

2019 T - H Y2 P X-02 Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series No.: 2019
② Category: T - Terminal
③ Material: H-High Conductivity Copper
④ Plating Code: Y2-40~120u"(1~3um)Tin
⑤ Plating Process:
P-Stamping After Plating
⑥ Shape: Blank-Common Feet ; H-High Feet
⑦ Special No.: 02
⑧ Q-Vehicle products



SECTION: A-A
SCALE: 1:1



SECTION: B-B
SCALE: 1:1

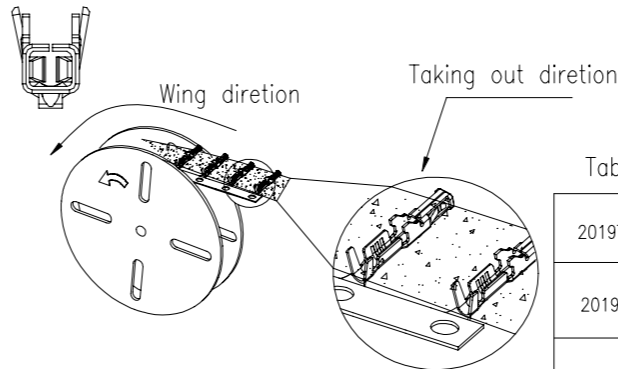


Table 1

2019T-HY2PH-02Q	AWG#22~20 (0.35~0.5mm ²)	Ø1.6mm Max	1.80	1.70
2019T-HY2P-02Q	AWG#24~22 (0.22~0.35mm ²)		1.70	1.60
P/N	Wire Range	Insulation O.D.	Dim A	Dim B

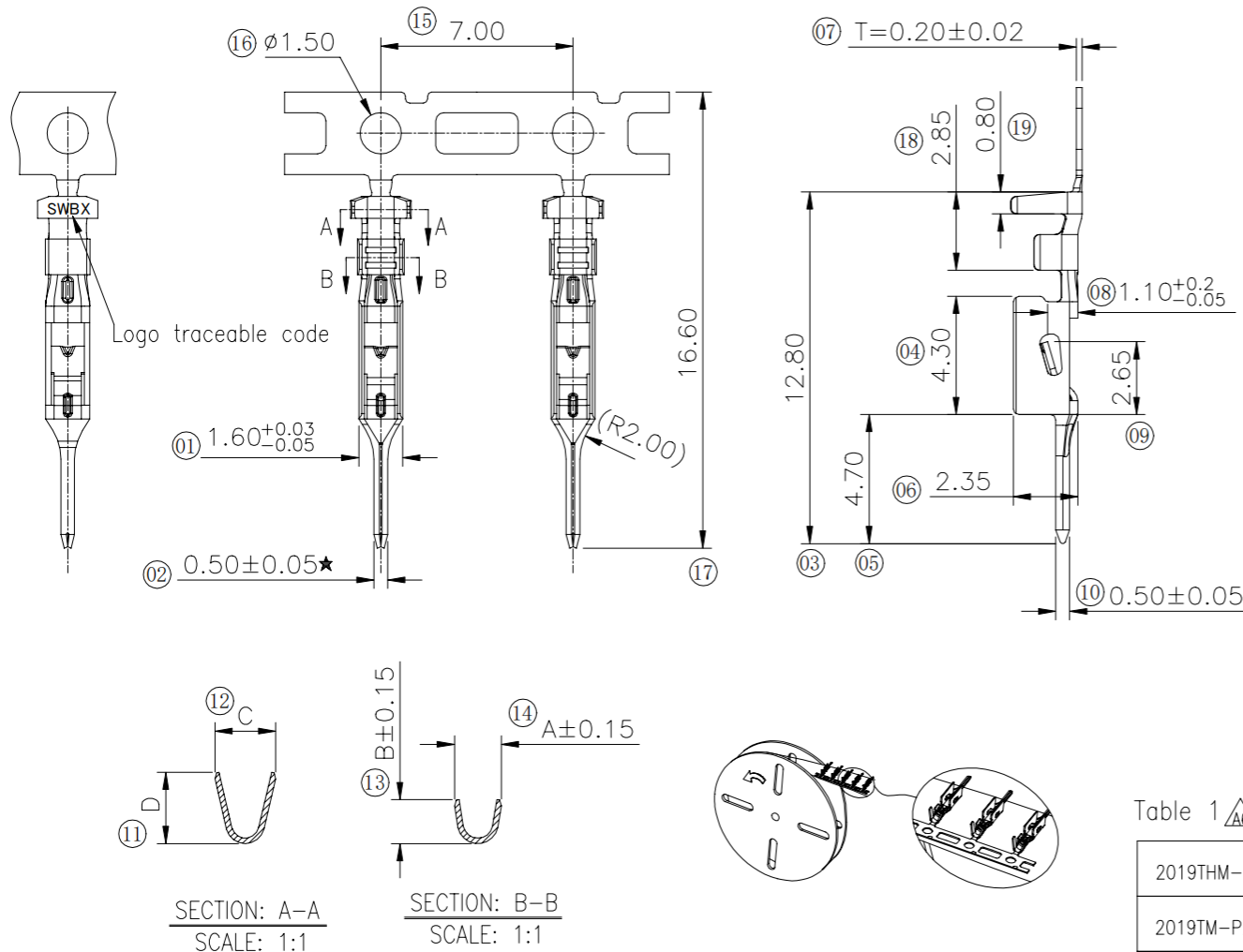
2023/06/14	B2		Update Drawing Frame	Starry Lin	Larry Yang	GENERAL TOLERANCE .X ±0.35 .XX ±0.25 .XXX±0.15 X' ±2' PROJECT ⊕	APPROVAL				PART NO. 2019T-HY2PX-02Q TITLE 2.00mm Crimp Style Connectors UNIT mm	SCALE 1:1	SHEET 1/1	REV B2	NUMBER CD
2021/09/07	B1		Split material number out of the drawing	QingXin	Larry Yang										
2021/03/04	B		Add LOGO identification, Applicable wire diameter change, Split material specification	Xiaohu Jiang	Jinjiang Yang										
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL										

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Dongguan SESO Technology Co., Ltd.

APPROVAL: Jack Zhang
CHECK: Larry Yang
DRAWN: Starry Lin
DATE: 2021/06/28

RoHS

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

**Specifications :**

- Current rating: 3A Max.AC / DC(0.35mm² Wire)
- Temperature range: -40°C~+105°C
- Contact resistance: ≤15mΩ (Initial)
≤25mΩ (After Testing)

- Mates With SESO Housing: 2019HF
- Mates With SESO Terminal: 2019T
- Product Specification: PS-2019-04
- Packaging Drawing: PK-2019TM-PXXX
- Symbols for SPC dimensions: "★"

2019 T X M-P XXX-XX
① ② ③ ④ ⑤ ⑥ ⑦

- ① Series No.:2019
- ② Category:T-terminal
- ③ Shape: Blank-Common Feet ;
H-High Feet ; L-Low Feet
- ④ Connector Type: M-Male terminal
- ⑤ Material: P-Phosphorous Bronze
- ⑥ Plating code: SN1-40~120u"(1.0~3.0um)Ni,
80~200u"(2.0~5.0um)Tin
SW1-40~120u"(1.0~3.0um)Ni,
80~200u"(2.0~5.0um)Matte Tin
- ⑦ Special NO.:Blank-with logo; B-without logo

Table 1 $\triangle$

2019THM-PXXX	AWG#20~22 (0.50~0.35mm ²)	OD ø1.6mm Max	1.90	1.85	2.20	2.60
2019TM-PXXX	AWG#22~24 (0.35~0.22mm ²)	OD ø1.3mm Max	1.70	1.60	2.20	2.60
2019TLM-PXXX	AWG#26~28 (0.13~0.08mm ²)	OD ø1.2mm Max	1.30	1.30	1.80	2.00
P/N	Wire Range	Insulation O.D.	Dim A	Dim B	Dim C	Dim D

20240729	A6	EN20240729004	Update Wire Range	Starry Lin	Larry Yang	GENERAL TOLERANCE
20230519	A5	/	update 8#	Yahui Zhang	Larry Yang	.X ±0.35
20230223	A4	/	Updated applicable line	Yahui Zhang	Larry Yang	.XX ±0.25
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	.XXX±0.15
						X' ±2'
						PROJECT

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Dongguan SESO Technology Co.,Ltd.

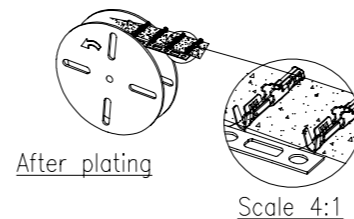
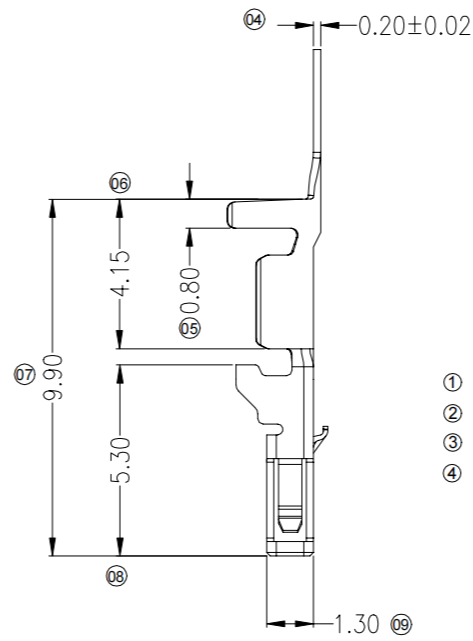
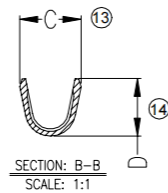
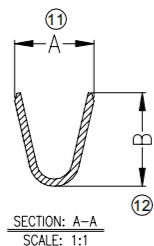
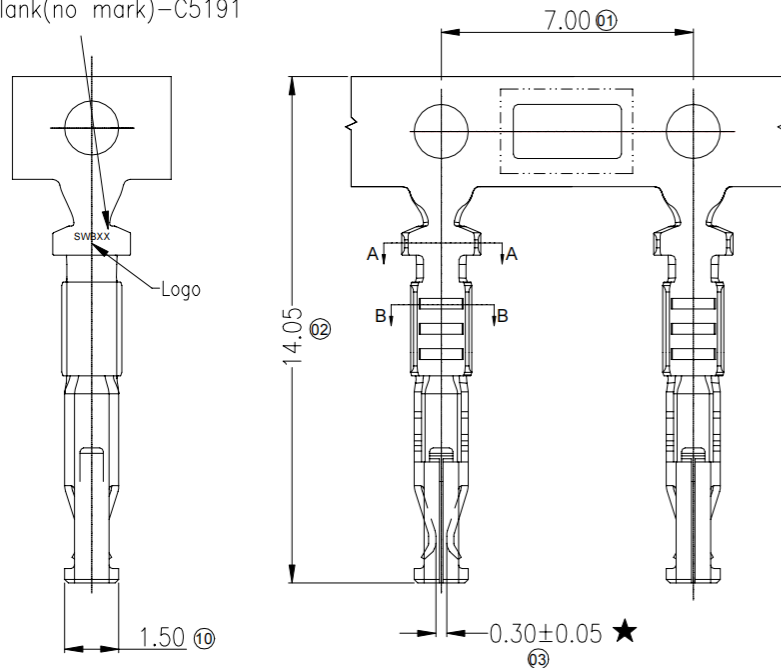
APPROVAL	CHECK	DRAWN	DATE
Jack Zhang	Larry Yang	Starry Lin	2021/10/29

PART NO. 2019TXM-PXXX				
TITLE: 2.00mm Crimp terminal				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A6	CD

RoHS

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

Material marking:
Blank(no mark)-C5191



Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+105°C
- Insulation resistance: ≥1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Suitable SESO Housing: 2019H

2019 T -X XX X X -02 Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series No.: 2019
② Category: T-Terminal
③ Material: P-C5191
④ Plating Code:
08-40~120u"(1~3um)Nickel base, 80~200u"(2~5um)Tin
09-40~120u"(1~3um)Nickel base,
80~200u"(2~5um)Matte Tin
GN3- Gold plating in contact area 3u"Min
Nickel base 40~120u"(1~3um)
⑤ Plating Process : S-Stamping before Plating
⑥ Shape: H-High Feet ; Blank-Common Feet
⑦ Special No.: 02
⑧ Q-Vehicle products



2019T-XXXSH-02Q	0.35mm ² ~0.5mm ² (22 AWG~20 AWG) OD=1.6Max.	2.20	2.60	1.80	1.70
2019T-XXXS-02Q	0.22mm ² ~0.35mm ² (24AWG~22AWG) OD=1.3Max.	2.20	2.60	1.70	1.60
P/N	Wire Size	DIM A	DIM B	DIM C	DIM D

20230710	A6		Update Size Tolerance	ZHENGJIE	Larry Yang	GENERAL TOLERANCE
20230614	A5		Update Drawing Frame	Lisf	Larry Yang	.X ±0.35
20220909	A4		Added half gold plated 3U "specification	Xuexiaolong	Larry Yang	.XX ±0.25
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	.XXX±0.15
						X' ±2"
						PROJECT

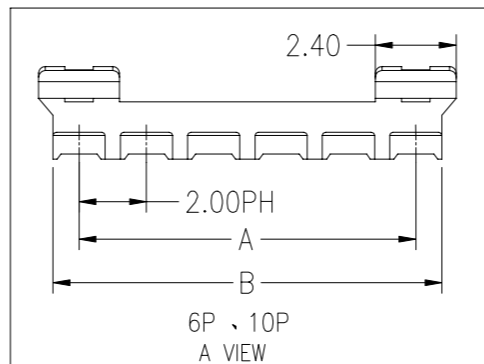
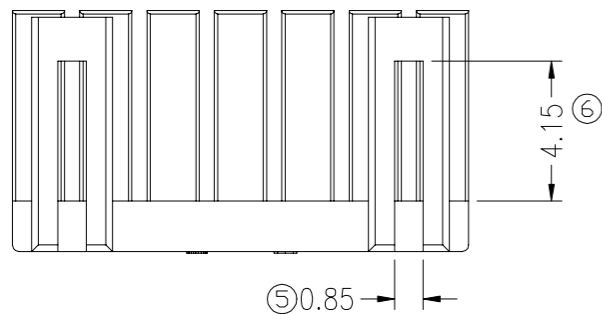
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Dongguan SESO Technology Co., Ltd.

APPROVAL	CHECK	DRAWN	DATE
Jack Zhang	Larry Yang	Starry Lin	2020/06/15

PART NO. 2019T-XXXXX-02Q				
TITLE 2.00mm Crimp Style Connectors				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	A6	CD

RoHS

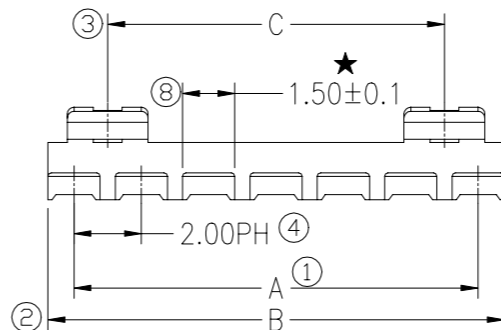
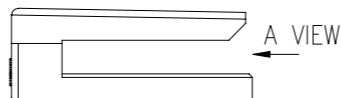
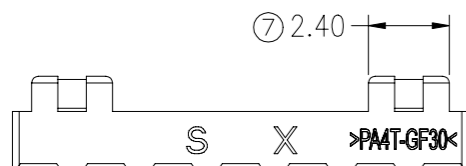
This products can apply to the SESO Doc NO. QA-3-04-005
of Environmental&Material Management Rules



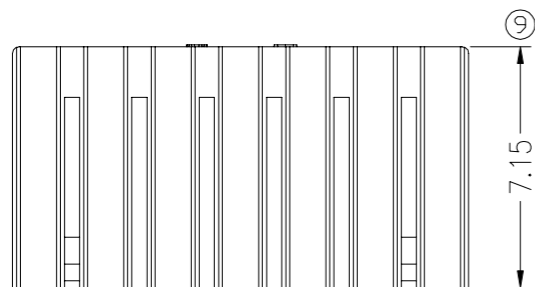
■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: >1000MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Symbols for SPC dimensions:★

C2019 -1xXX -4T N B R 01 Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧



- ① Series No.: 2019
② Row No.-Pin No.: 1xXX-06P~15P
③ Material : 4T-PA4T 94V-0
④ Color : N-Natural
⑤ Packing:B-Bag
⑥ R-RoHS
⑦ Special No.:01
⑧ Q-Vehicle products



Poles	Dimensions (mm)			Poles	Dimensions (mm)		
	A	B	C		A	B	C
06	10.00	11.55	10	11	20.00	21.55	17.40
07	12.00	13.55	10	12	22.00	23.55	17.40
08	14.00	15.55	10	13	24.00	25.55	17.40
09	16.00	17.55	12	14	26.00	27.55	17.40
10	18.00	19.55	17.40	15	28.00	29.55	17.40

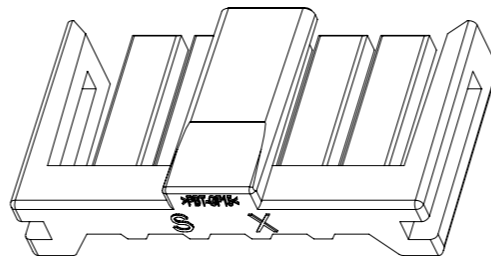
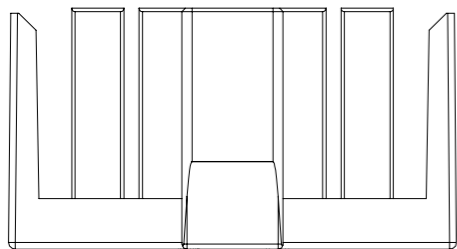
C2019-1xXX-4TNBR01Q		PA4T 94V-0		2019H		2019T		2000W	
PART NO		Material		Suitable SESO Housing		Suitable SESO Terminal		Suitable SESO Header	

DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	GENERAL TOLERANCE				PROJECT					PART NO.				
						.X ±0.30				.XX ±0.20					.XXX±0.10				
2023.06.14	B1		Update Drawing Frame	Starry Lin	Larry Yang	X' ±2'				APPROVAL					TITLE				
2020.06.12	B	ER2020032801	Add material marking	Xiaohu Jiang	Harvey Yan	PROJECT				2019/08/08					2.00mm Connector TPA				
						UNIT				mm					SCALE				
						1:1				1/1					SHEET				
						B1				REV					NUMBER				
						CD													

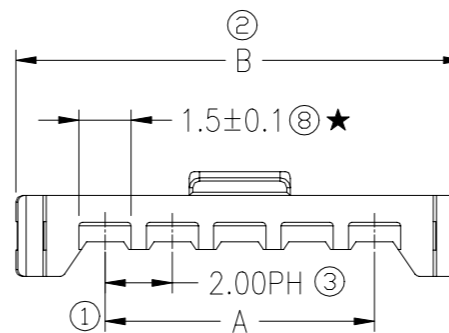
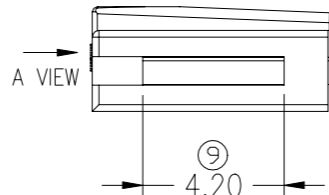
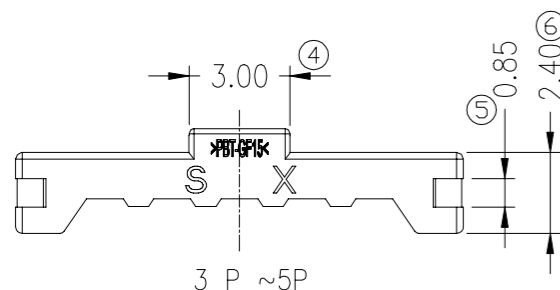
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Dongguan SESO Technology Co., Ltd.

RoHS

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

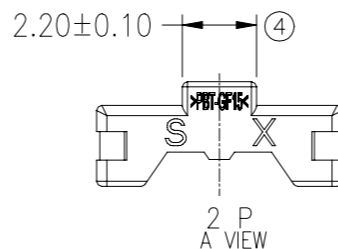
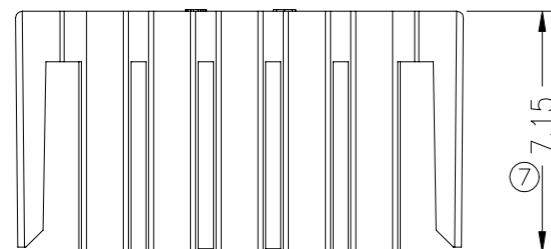
**Specifications :**

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 1000M\Omega$
- Contact resistance: $< 10m\Omega$
- After environmental testing: $< 20m\Omega$
- Symbols for SPC dimensions:★



C2019 -1xXX - PT X B R 01 Q
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Series No.:2019
② Row No.-Pin No.: 1xXX-02P~05P
③ Material : PT-PBT 94V-0
④ Color : N-Natural: B-Black
⑤ Packing:B-Bag
⑥ R-RoHS
⑦ Special No.:01
⑧ Q-Vehicle products



Poles	Dimensions (mm)	
	A	B
02	2.00	7.3
03	4.00	9.3
04	6.00	11.3
05	8.00	13.3

C2019-1xXX-PTNBR01Q	PBT 94V-0	2019H	2019T	2000W
PART NO	Material	Suitable SESO Housing	Suitable SESO Terminal	Suitable SESO Header

						GENERAL TOLERANCE		SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. C2019-1xXX-PTXBR01Q																			
20230919	C	/	Add Color Specification Black	Starry Lin	Larry Yang	.X ±0.30						APPROVAL					CHECK					DRAWN					DATE				
						.XX ±0.20																									
20200612	B	ER2020032801	Add material marking	Xiaohu Jiang	Larry Yang	.XXX±0.10		X' ±2"		PROJECT				Jack Zhang				Larry Yang				Starry Lin				2019/07/18					
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT																									
																															