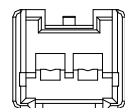
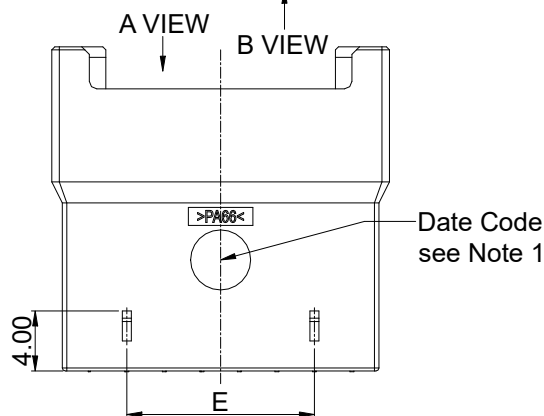
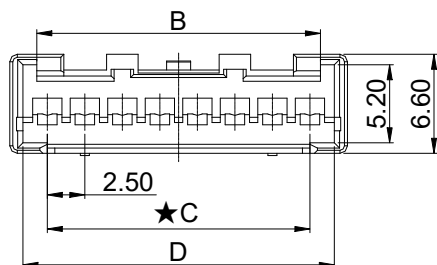
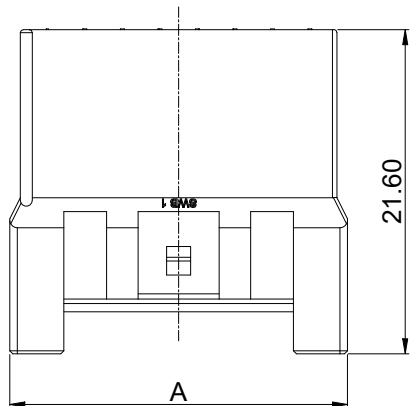


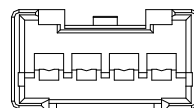
RoHS

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

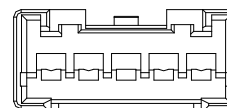
A VIEW



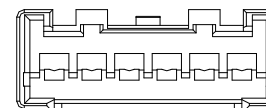
02~03Pin



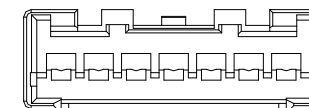
04PIN



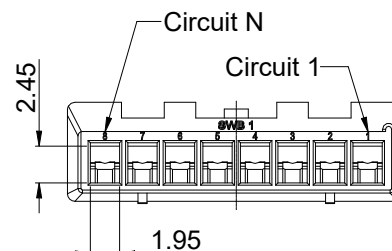
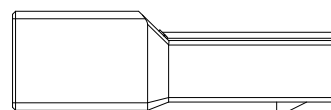
05PIN



06PIN



07~15PIN



■ Specifications :

- Voltage rating: 50V Max. AC/DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: 100MΩ min./500V DC/Minute
- Mates With SWB Terminal: 2513TXM-XXX
- Mates With SWB TPA: C2513-XX
- Mates With SWB HSG: 2513H-XX
- Symbols for SPC dimensions: "★"
- Product Specification: PS-2513-03
- Packaging Drawing: PK-2513HF-XXX-N0HFNC

Note:

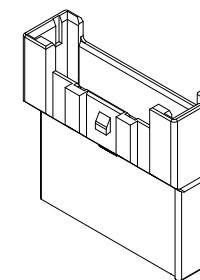
1.2513HF-02A-N0HFNC without Date Code

2513 H F - XX X - N0HF NC

① ② ③ ④ ⑤ ⑥ ⑦

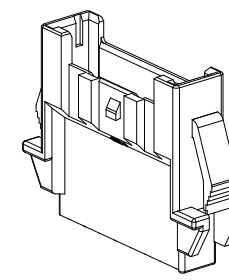
- ① Series No.: 2513
- ② Category: H-Housing
- ③ Connector Type: F-Female
- ④ Row No.-Pin No: XX-Single Row 02~15Pin
- ⑤ Special No.: Blank-Normal; A-With Wing Buckle
- ⑥ Plastic material: N0-PA66 UL94V-0
HF-Halogen Free
- ⑦ Color: NC-Natural

2513HF-XX-N0HFNC



Normal

2513HF-XXA-N0HFNC

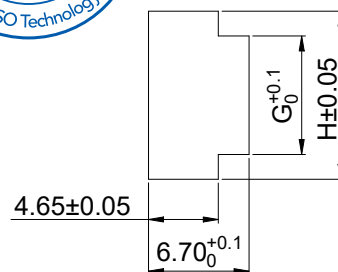
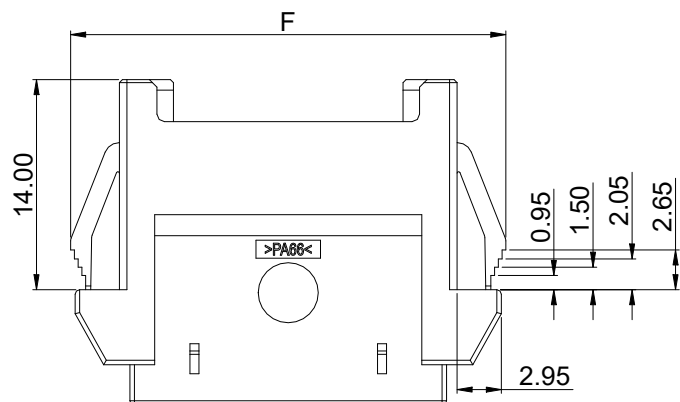
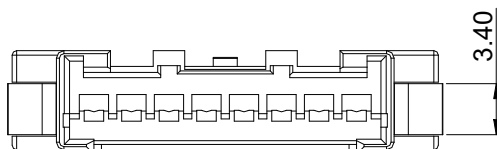
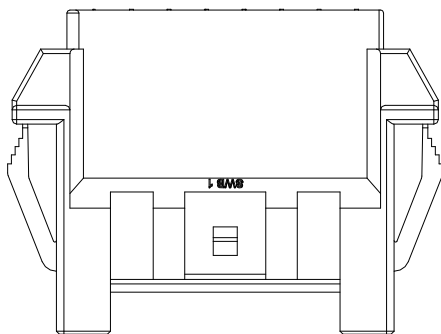


With Wing Buckle

A

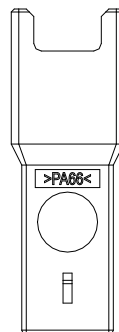
						GENERAL TOLERANCE	SMS 东莞市索思技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2513HF-XXX-N0HFN				
						.X ±0.35					TITLE 2.50 WTW CONN. Housing				
						.XX ±0.25									
						.XXX±0.15									
20231030	X1	/	Remove dimension number	Yike Zhang	Jack Zhang	X.° ±2°	APPROVAL	CHECK	DRAWN	DATE	UNIT SCALE SHEET REV NUMBER				
20220303	X0	/	Initial release	Cai Zhao	Hong Zou		Jack Zhang	Larry Yang	Yike Zhang	2022/03/03	mm	2:1	1/2	X1	A-000
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL										

With Wing Buckle

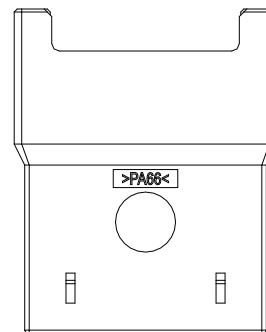


Note: G and H dimensions: Refer to receptacle housing section.

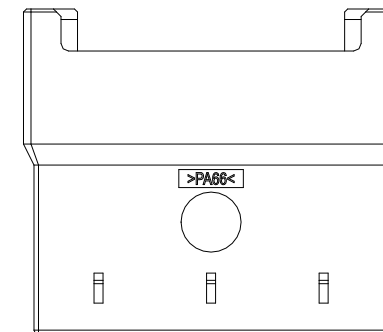
B VIEW



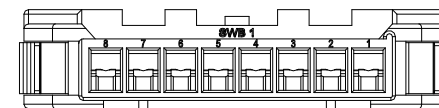
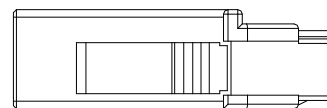
02~05Pin



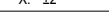
06~08PIN



09~15PIN



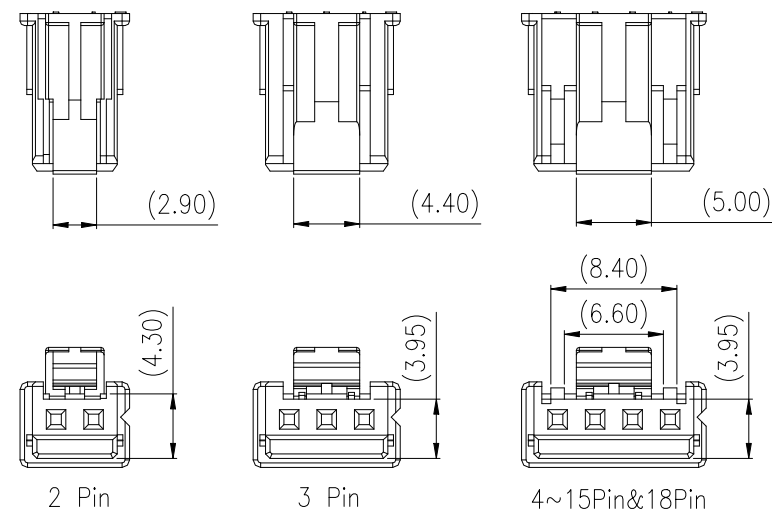
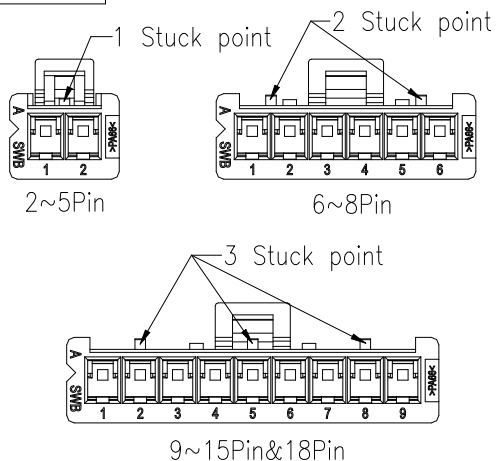
Poles	Dimensions/mm							
	A	B	C	D	E	F	G	H
2Pin	7.50	4.10	2.50	5.75	/	14.00	7.90	11.20
3Pin	10.00	5.70	5.00	8.25	/	16.50	10.40	13.70
4Pin	12.50	8.90	7.50	10.75	/	19.00	12.90	16.20
5Pin	15.00	11.40	10.00	13.25	/	21.50	15.40	18.70
6Pin	17.50	13.90	12.50	15.75	10.00	24.00	17.90	21.20
7Pin	20.00	16.40	15.00	18.25	10.00	26.50	20.40	23.70
8Pin	22.50	18.90	17.50	20.75	12.50	29.00	22.90	26.20
9Pin	25.00	21.40	20.00	23.25	15.00	31.50	25.40	28.70
10Pin	27.50	23.90	22.50	25.75	17.50	34.00	27.90	31.20
11Pin	30.00	26.40	25.00	28.25	20.00	36.50	30.40	33.70
12Pin	32.50	28.90	27.50	30.75	22.50	39.00	32.90	36.20
13Pin	35.00	31.40	30.00	33.25	25.00	41.50	35.40	38.70
14Pin	37.50	33.90	32.50	35.75	27.50	44.00	37.90	41.20
15Pin	40.00	36.40	35.00	38.25	30.00	46.50	40.40	43.70

A						GENERAL TOLERANCE				SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2513HF-XXX-N0HFNC				
						.X ±0.35								TITLE 2.50 WTW CONN. Housing				
						.XX ±0.25												
						.XXX±0.15												
						X* ±2°				APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
20231030	X1	/	Remove dimension number	Yike Zhang	Jack Zhang	PROJECT 				Jack Zhang	Larry Yang	Yike Zhang	2022/03/03	mm	2:1	2/2	X1	A-000
20220303	X0	/	Initial release	Cai Zhao	Hong Zou													
	DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL												
	1		2	3	4	5			6			7					8	

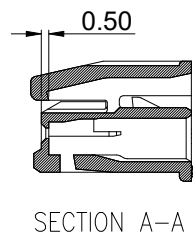
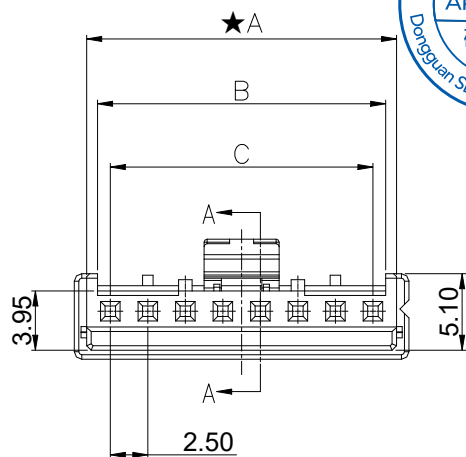
RoHS

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

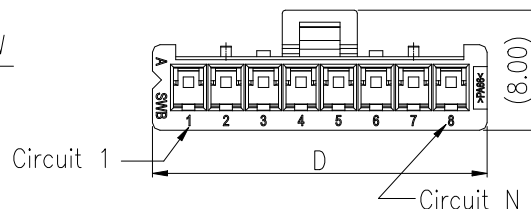
A VIEW



RD-1



A VIEW



2513 H -XX -NOHF NC
① ② ③ ④ ⑤

- ① Series No.:2513
② Connector Type:H-Housing
③ Row No.-Pin No:XX-Single Row 02~15Pin&18Pin
④ Plastic Material:NO-PA66 (UL94-V0)
HF-Halogen Free
⑤ Color:NC- Natural

■ Specifications

- Voltage Rating:50V AC/DC
- Withstanding Voltage:1000V AC/Minute
- Temperature Range:-40°C~+125°C
- Insulation Resistance:100MΩ Min./500V DC/Minute
- Mates With SESO Terminal:2513TX-XXX
- Mates With SESO TPA:C2513-XX
- Mates With SESO Wafer:2508WX-XX
- Product Specification:PS-2513-02
- Packaging Drawing:PK-2513H-XX-NOHFNC
- Symbols for SPC Dimensions:★

Poles	Dimensions/mm				Poles	Dimensions/mm			
	A	B	C	D		A	B	C	D
2	5.65	4.20	2.50	7.30	10	25.65	24.20	22.50	27.30
3	8.15	5.80	5.00	9.80	11	28.15	26.70	25.00	29.80
4	10.65	9.60	7.50	12.30	12	30.65	29.20	27.50	32.30
5	13.15	11.70	10.00	14.80	13	33.15	31.70	30.00	34.80
6	15.65	14.20	12.50	17.30	14	35.65	34.20	32.50	37.30
7	18.15	16.70	15.00	19.80	15	38.15	36.70	35.00	39.80
8	20.65	19.20	17.50	22.30	18	45.65	44.20	42.50	47.30
9	23.15	21.70	20.00	24.80					

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.

PART NO.

2513H-XX-NOHFNC

TITLE

2.50 WTB CONN. Housing

UNIT	SCALE	SHEET	REV	NUMBER
mm	2:1	1/1	A1	A-000

A

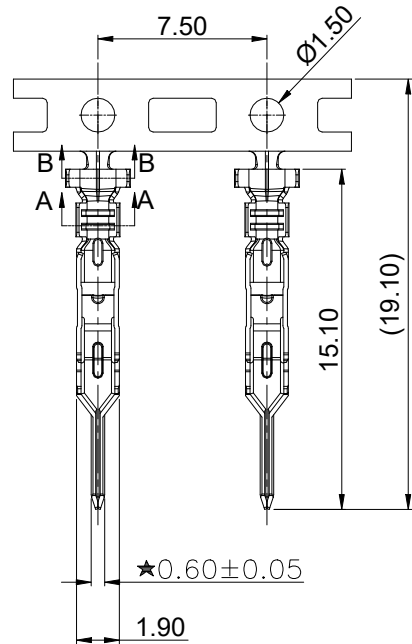
20231030	A1	/	Update surface	Guo	Larry Yang
20200305	A	/	Initial release	Cai Zhao	John Yang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

APPROVAL	CHECK	DRAWN	DATE
Jack Zhang	Larry Yang	Guo	2020/03/05

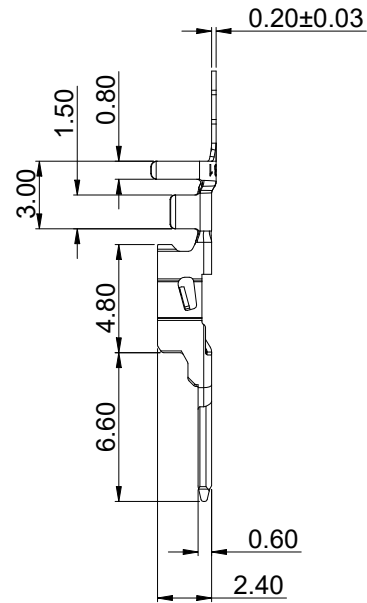
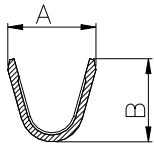
A

RoHS

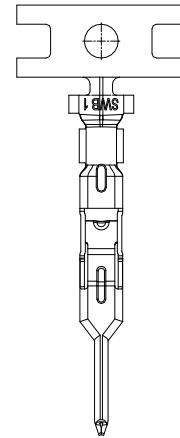
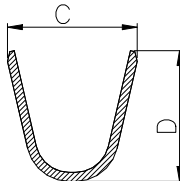
This products can apply to the SESO Doc NO. QA-3-04-005
of Environmental&Material Management Rules



SECTION A-A
SCALE 6:1



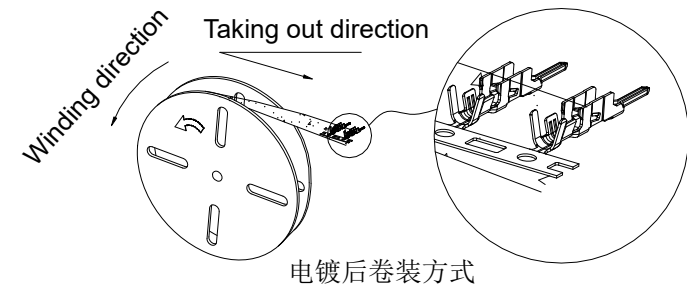
SECTION B-B
SCALE 6:1

**Specifications:**

- Current Rating:3AAC/DC(0.35~0.50mm² Wire)
- Temperature Range:-40°C~+105°C (Phosphor Bronze)
- Contact Resistance:≤10mΩ(Initial)
≤20mΩ(After Testing)
- Mates With SWB Housing:2513HF-XX
- Mates With SWB Terminal:2513T-XXX
- Packaging Drawing:PK-2513TXM-PSN1
- Product Specification:PS-2513-03
- Symbols for SPC Dimensions:"★"

2513 T X M- P XX
① ② ③ ④ ⑤ ⑥

- ① Series No.:2513
- ② Category:T-Terminal
- ③ Shape: Blank-Common Feet ;
H-High Feet ; L-Low Feet
- ④ Connector Type:M-Male terminal
- ⑤ Material:P-Phosphor Bronze
- ⑥ Plating Code:
SN1-Underplate Ni 40~120u"(1~3um) ;
Top Plating Sn 80~200u"(2~5um)
V8-50u"(1.25um)min Ni,
8u"(0.2um)min AU



2513TLM-PXX	AWG#28~26(0.08~0.13mm ²)	1.20mm Max	1.31	1.30	1.77	2.00
2513TM-PXX	AWG#24~22(0.22~0.35mm ²)	1.30mm Max	1.72	1.60	2.20	2.60
2513THM-PXX	AWG#22~20(0.35~0.50mm ²)	1.60mm Max	1.96	1.84	2.88	2.90
Part NO.	Wire Range	Insulation O.D.	Dim. A	Dim. B	Dim. C	Dim. D

20231030	X1	/	Update surface	Yike Zhang	Jack Zhang
20220218	X0	/	Initial release	Cai Zhao	Hong Zou
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE

.X ±0.35

.XX ±0.25

.XXX±0.15

X° ±2°

PROJECT



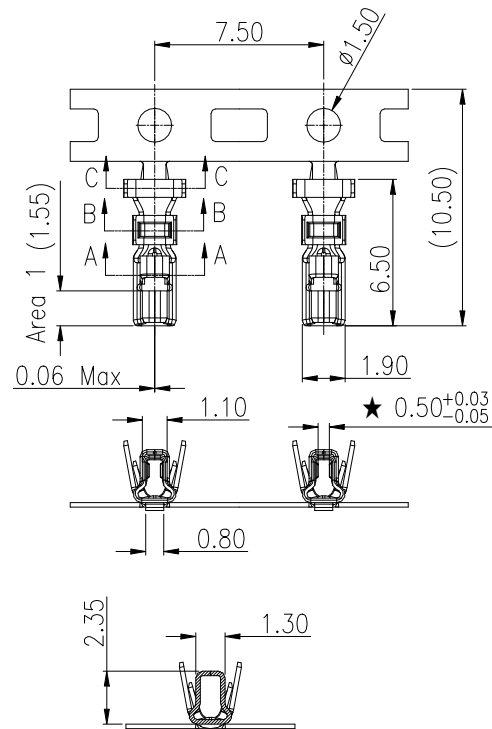
SMS 东莞市思索技术股份有限公司
Dongguan SESO Technology Co.,Ltd.

APPROVAL CHECK DRAWN DATE
Jack Zhang Larry Yang Yike Zhang 2022/02/18

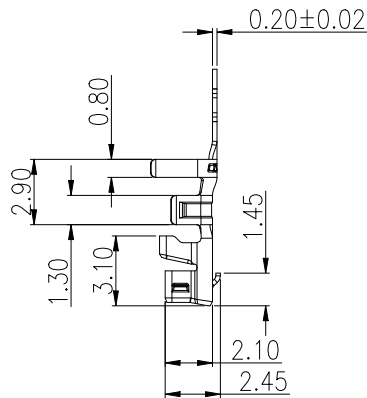
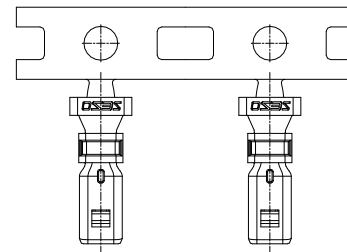
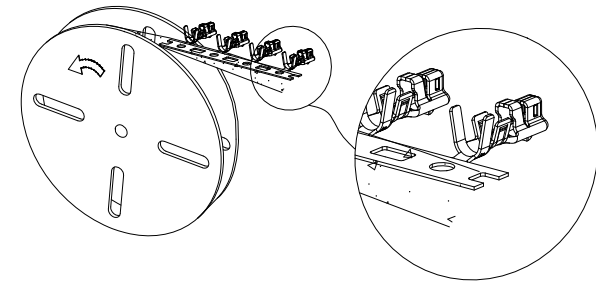
PART NO. 2513TXM-PXX				
TITLE Male Terminal				
UNIT	SCALE	SHEET	REV	NUMBER
mm	3:1	1/1	X1	A-000

RoHS

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



SECTION A-A

SECTION B-B
SCALE 12:1SECTION C-C
SCALE 9:1

■ Specifications:

- Current Rating: 2A AC/DC(0.13mm² Wire)
2.5A AC/DC(0.22mm² Wire)
3A AC/DC(0.35mm²~0.5mm² Wire)
- Temperature Range:
-40°C~+105°C(Phosphor Bronze)
- Contact Resistance:≤10mΩ (Initial)
≤20mΩ (After Testing)
- Mates With SESO Housing:2513H-XX
- Packaging Drawing:PK-2513TX-XXX
- Product Specification:PS-2513-01
- Symbols for SPC Dimensions:★

2513 I X - P XX X
① ②③ ④ ⑤ ⑥

- ① Series No.:2513
- ② Category:T-Terminal
- ③ Shape:L-Low Feet ; H-High Feet
- ④ Material:P-Phosphor Bronze;
- ⑤ Plating Code:

SN1-Underplate Ni 40~120u"(1~3um) ;
Top Plating Sn 80~200u"(2~5um)
GN01-Underplate Ni 40~120u"(1~3um) ;
Area 1 Plating Au 1u"(0.025um)Min
V8-50u"(1.25um)min Ni,
8u"(0.2um)min AU

- ⑥ Plating Process: Blank-Stamping Before Plating

Table:

2513TH-PXXX	AWG#22~20 (0.35~0.5mm ²)	ø1.60mm Max	1.96	1.84	2.75	2.95
2513TL-PXXX	AWG#26~22 (0.13~0.35mm ²)		1.90	1.50	2.75	2.95
Part NO.	Wire Range	Insulation O.D.	Dim.A	Dim.B	Dim.C	Dim.D

20231030	B7	/	Update surface		Guo	Larry Yang
20231028	B6	/	Increase overall gold plating		Guo	Larry Yang
20221229	B5	/	Update surface		Wangcheng	Larry Yang
DATE	REV	ECN NO.	DESCRIPTION		MODIFY	APPROVAL

GENERAL TOLERANCE

.X ±0.35
.XX ±0.25
.XXX±0.15
X.' ±2'



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

Guo

2020/03/05

PART NO.

2513TX-PXXX

TITLE

2.50 WTB CONN. Terminal

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

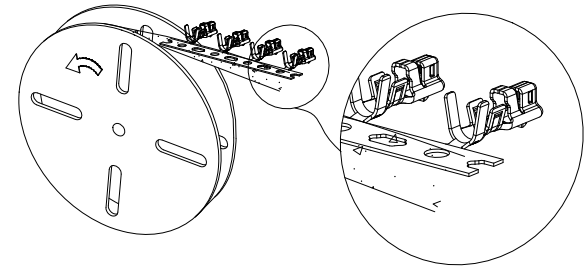
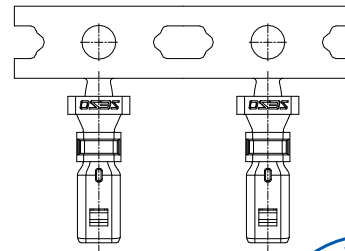
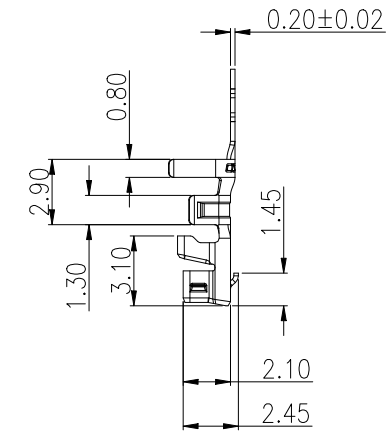
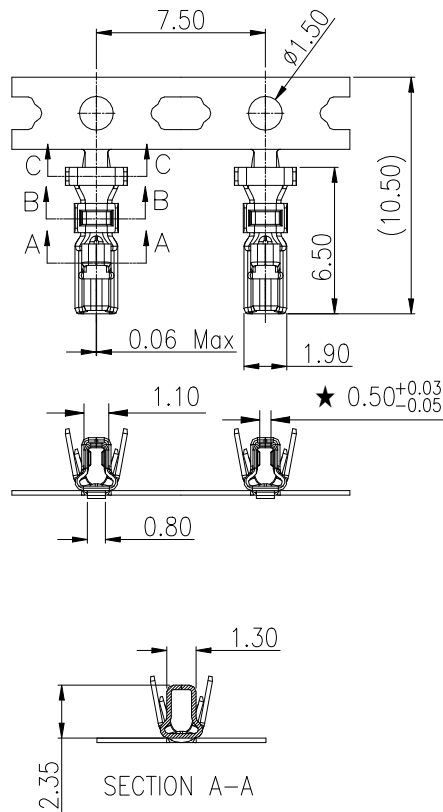
1/1

B7

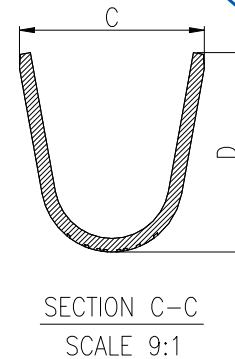
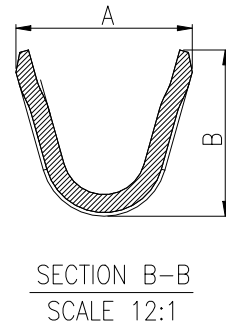
A-000

RoHS

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

**Specifications:**

- Current Rating: 2.5A AC/DC(0.22mm² Wire)
3A AC/DC(0.35mm²~0.5mm² Wire)
- Temperature Range: -40°C~+125°C
- Contact Resistance:≤10mΩ(Initial)
≤20mΩ(After Testing)
- Mates With SESO Housing:2513H-XX
- Packaging Drawing:PK-2513TX-XXX
- Product Specification:PS-2513-02
- Symbols for SPC Dimensions:★



2513 I X - H Y2 B
① ②③ ④ ⑤ ⑥

- ① Series No.:2513
- ② Category:T-Terminal
- ③ Shape:L-Low Feet ; H-High Feet
- ④ Material:H-High conductivity copper
- ⑤ Plating Code:
Y2-40~120u"(1~3um) TIN
- ⑥ Plating Process:
B-Stamping After Plating

Table:

2513TH-HY2B	AWG#22~20 (0.35~0.5mm ²)	ø1.60mm Max	1.96	1.84	2.75	2.95
2513TL-HY2B	AWG#24 (0.22mm ²)		1.90	1.50	2.75	2.95
Part NO.	Wire Range	Insulation O.D.	Dim.A	Dim.B	Dim.C	Dim.D

20231030	A4	/	Update surface	Guo	Larry Yang
20221229	A3	/	Update surface	Wangcheng	Larry Yang
20221102	A2	/	Modifying the terminal Structure	Wangcheng	Larry Yang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

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

Jack Zhang

Larry Yang

Guo

2020/03/05

PART NO.

2513TX-HY2B

TITLE

2.50 WTB CONN. Terminal

UNIT

SCALE

SHEET

REV

NUMBER

mm

1:1

1/1

A4

A-000

RoHS

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

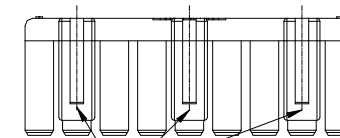
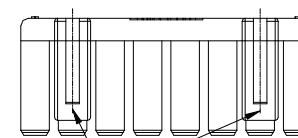
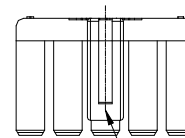
RD-1

A VIEW

2~5Pin

6~8Pin

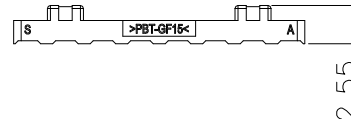
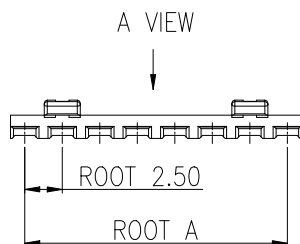
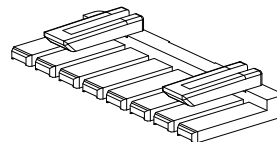
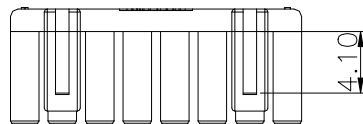
9~15Pin&18Pin



1 Shackle

2 Shackle

3 Shackle



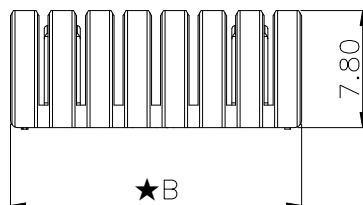
Specifications

- Voltage Rating:50V AC/DC
- Withstanding Voltage:1000V AC/Minute
- Temperature Range:-40°C~+125°C
- Insulation Resistance:100M Ω Min./500V DC/Minute
- Mates With SESO Housing:2513H-XX
- Packaging Drawing:PK-C2513-XX-PTNC
- Symbols for SPC Dimensions:★

C 2513 XX - PT NC
① ② ③ ④ ⑤

- ① Connector Type:C-TPA
- ② Series No.:2513
- ③ Row No.-Pin No:XX-Single Row 02~15Pin&18Pin
- ④ Plastic Material:PT-PBT-GF(UL94V-0)
- ⑤ Color:NC-Natural

Poles	Dimensions/mm		Poles	Dimensions/mm	
	A	B		A	B
2	2.50	4.40	10	22.50	24.40
3	5.00	6.90	11	25.00	26.90
4	7.50	9.40	12	27.50	29.40
5	10.00	11.90	13	30.00	31.90
6	12.50	14.40	14	32.50	34.40
7	15.00	16.90	15	35.00	36.90
8	17.50	19.40	18	42.50	44.40
9	20.00	21.90			



A

						GENERAL TOLERANCE				SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO.					
						.X ±0.35								C2513-XX-PTNC					
20231030	A1	/	Update surface	Guo	Larry Yang	.XX ±0.25													
						.XXX ±0.15													
20200305	A	/	Initial release	Cai Zhao	John Yang	X.° ±2°				APPROVAL	CHECK	DRAWN	DATE						
						PROJECT									TITLE				
															2.50 WTB CONN. TPA				
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT				Jack Zhang	Larry Yang	Guo	2020/03/05	UNIT	SCALE	SHEET	REV	NUMBER	
														mm	2:1	1/1	A1	A-000	

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

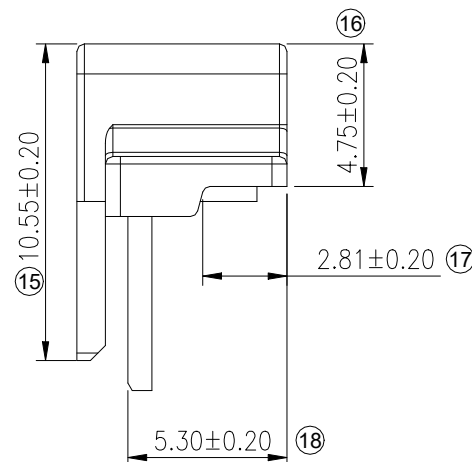
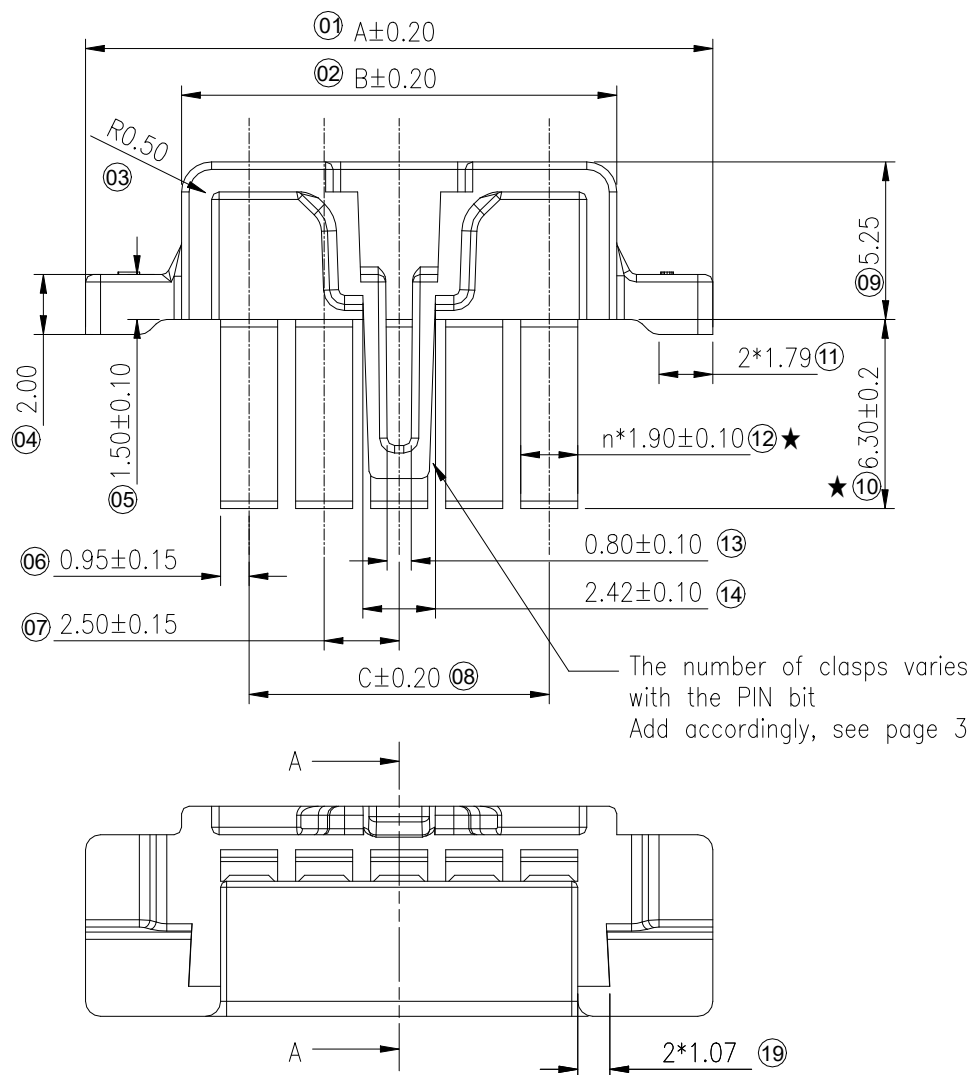
APPROVAL: Jack Zhang
CHECK: Larry Yang
DRAWN: Guo
DATE: 2020/03/05

PART NO. C2513-XX-PTNC

TITLE 2.50 WTB CONN. TPA

UNIT: mm, SCALE: 2:1, SHEET: 1/1, REV: A1, NUMBER: A-000

- Voltage rating: 50V AC / DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation Resistance:100M Ω Min./500V DC/Minute
- Symbols for SPC Dimensions:★
- Mates With SWB Housing: 2513H



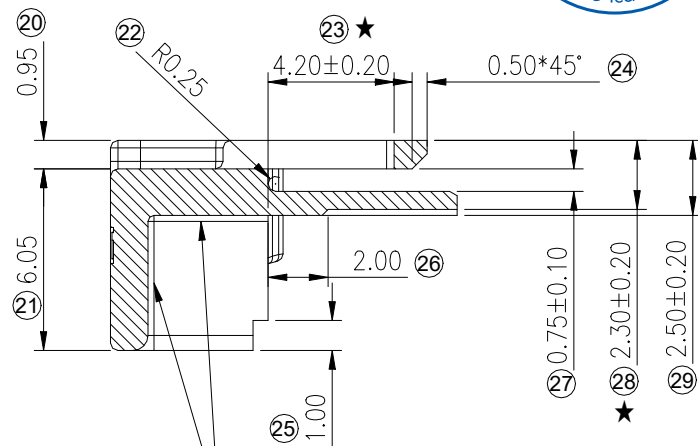
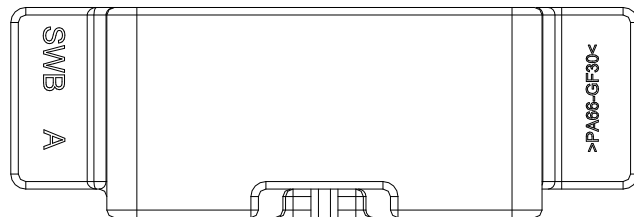
2513 C - XX X - NO HF XX
 (1) (2) (3) (4) (5) (6) (7)

- ① Series No.
- ② Connector Type: C-TPA
- ③ Row No.-Pin No: XX-Single Row XXPin
- ④ Special NO.: Blank-with SWB LOGO
A-without LOGO
- ⑤ Plastic Material: NO-PA66-GF30
- ⑥ HF-Halogen-free
- ⑦ Color: NC-Natural BK-Black

						GENERAL TOLERANCE		SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO.		2513C-XXX-NOHFXX							
						.X ±0.35						APPROVAL CHECK DRAWN DATE				TITLE: 2.50 WTB CONN. TPA					
						.XX ±0.25															
						.XXX±0.15															
2022/04/20	A0	/	Initial release	Dingping Ou	Jack Zhang	X.* ±2"															
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT		Jack Zhang		Larry Yang		Dingping Ou		2022/04/20		UNIT		SCALE	SHEET	REV	NUMBER
																mm		2:1	1/3	A0	A-000
1		2		3		4		5		6		7		8							

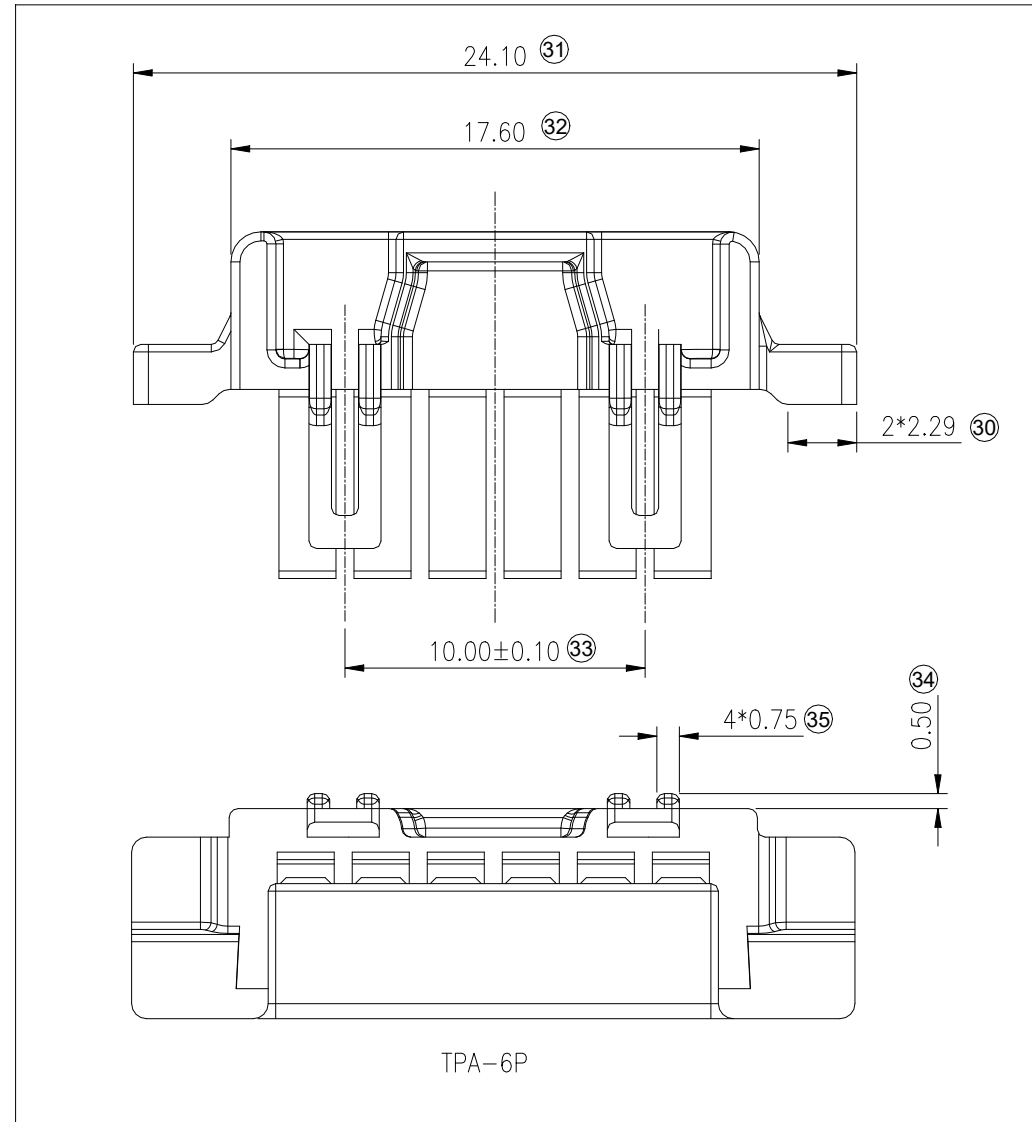
RoHS

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



No rough edges or mold marks are allowed in the outlet position

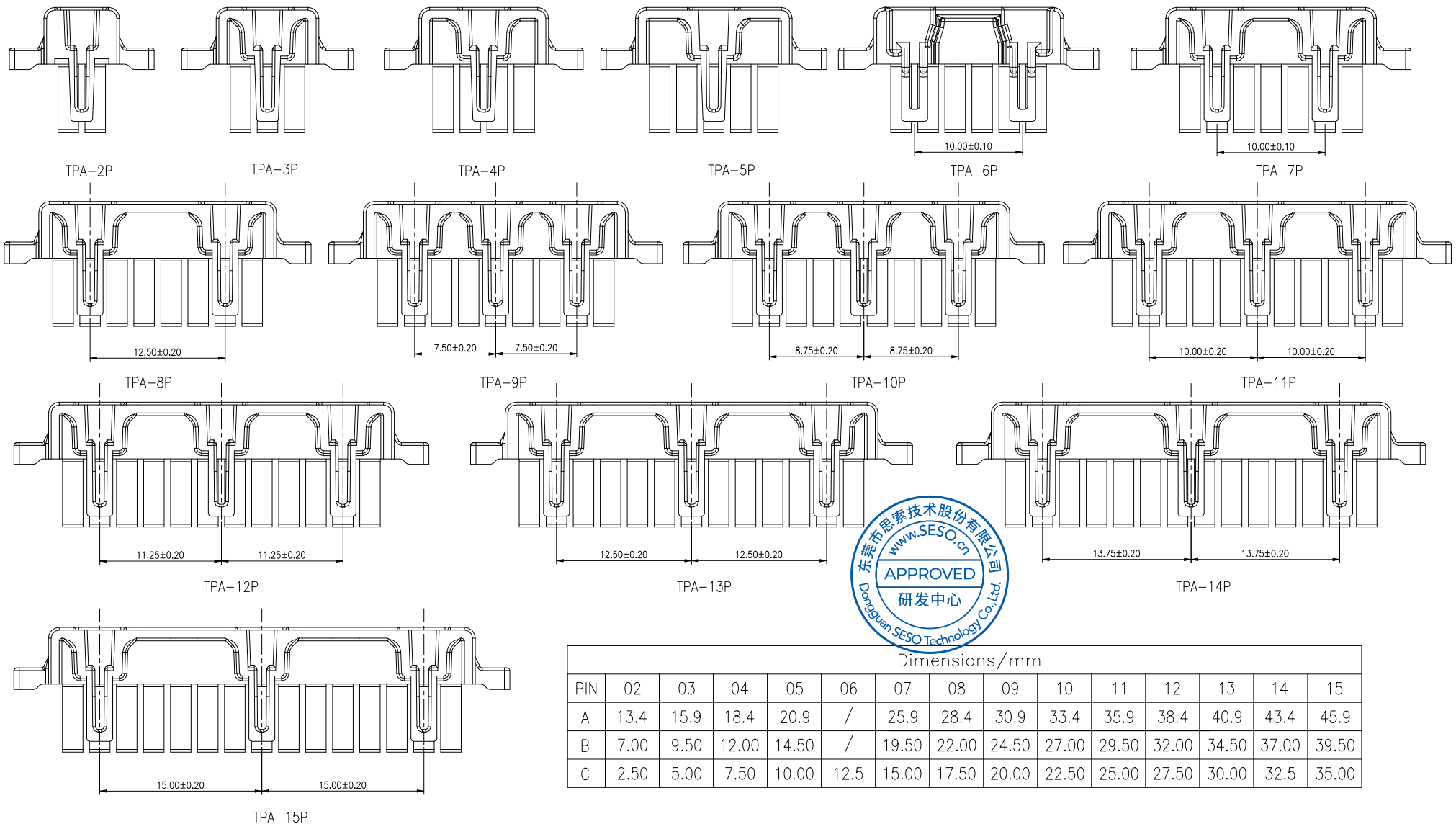
section view A-A
scale 1:1



						GENERAL TOLERANCE				SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2513C-XXX-NOHFXX				
						.X ±0.35								TITLE: 2.50 WTB CONN. TPA				
						.XX ±0.25												
						.XXX±0.15												
2022/04/20	A0	/	Initial release	Dingping Ou	Jack Zhang	X." ±2"				APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 				Jack Zhang	Larry Yang	Dingping Ou	2022/04/20	mm	2:1	2/3	A0	A-000

RoHS

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



Dimensions/mm														
PIN	02	03	04	05	06	07	08	09	10	11	12	13	14	15
A	13.4	15.9	18.4	20.9	/	25.9	28.4	30.9	33.4	35.9	38.4	40.9	43.4	45.9
B	7.00	9.50	12.00	14.50	/	19.50	22.00	24.50	27.00	29.50	32.00	34.50	37.00	39.50
C	2.50	5.00	7.50	10.00	12.5	15.00	17.50	20.00	22.50	25.00	27.50	30.00	32.5	35.00

						GENERAL TOLERANCE				SMS 东莞市思索技术股份有限公司 Dongguan SESO Technology Co.,Ltd.				PART NO. 2513C-XXX-NOHFXX				
						.X ±0.35								TITLE: 2.50 WTB CONN. TPA				
						.XX ±0.25												
						.XXX±0.15												
2022/04/20	A0	/	Initial release	Dingping Ou	Jack Zhang	X: ±2"		PROJECT		APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL					Jack Zhang	Larry Yang	Dingping Ou	2022/04/20	mm	2:1	3/3	A0	A-000