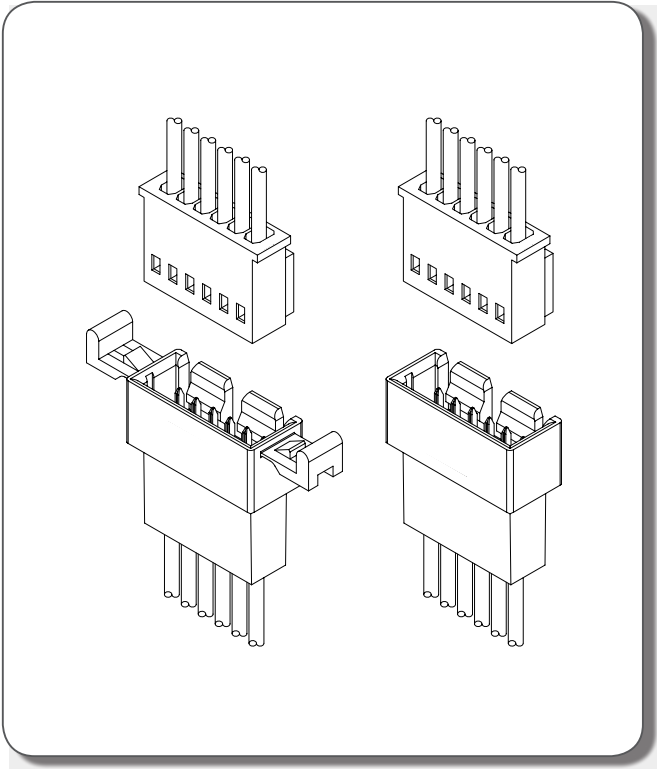




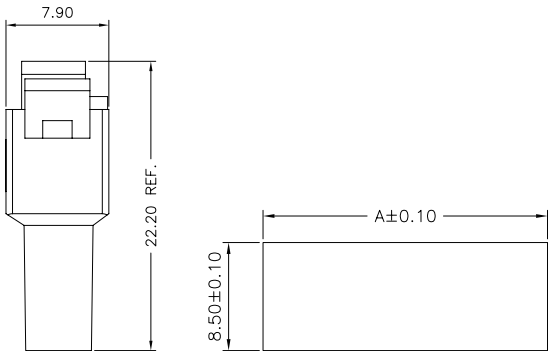
A
B
C
F



Specifications

Current Rating: 1.5A~3.0A AC,DC(Per Pin)
Voltage Rating: 250V AC,DC(Per Pin)
Temperature Range: -25°C ~ +85°C
Contact Resistance: 20mΩ Max.
Insulation Resistance: 1000MΩ Min.
Withstanding Voltage: 1000V AC/minute

Assembly Layout and Panel Hole Layout



Part No.	Dim.A	Part No.	Dim.A
C2503HM-02P	12.40	C2503HM-10P	32.40
C2503HM-03P	14.90	C2503HM-11P	34.90
C2503HM-04P	17.40	C2503HM-12P	37.40
C2503HM-05P	19.90	C2503HM-13P	39.90
C2503HM-06P	22.40	C2503HM-14P	42.40
C2503HM-07P	24.90	C2503HM-15P	44.90
C2503HM-08P	27.40	C2503HM-16P	47.40
C2503HM-09P	29.90		

Ordering Code

① C2503 ② X-X ③ X X ⑤

- ① Series No.
- ② Terminal Type: F=Female, M=Male
- ③ Plating Code: T=Tin-Plated
H=Gold/Tin-Plated
- ④ Material: B=Brass, P=Phosphor Bronze
- ⑤ E=Stamping Before Plating

① C2503 ② XX ③ X-XP ④

- ① Series No.
- ② Housing Type: HF=Receptacle Housing
HM=Plug Housing
- ③ Blank=With Mounting Ears,
A=Without Mounting Ears
- ④ No. of Circuits



C2503 SERIES

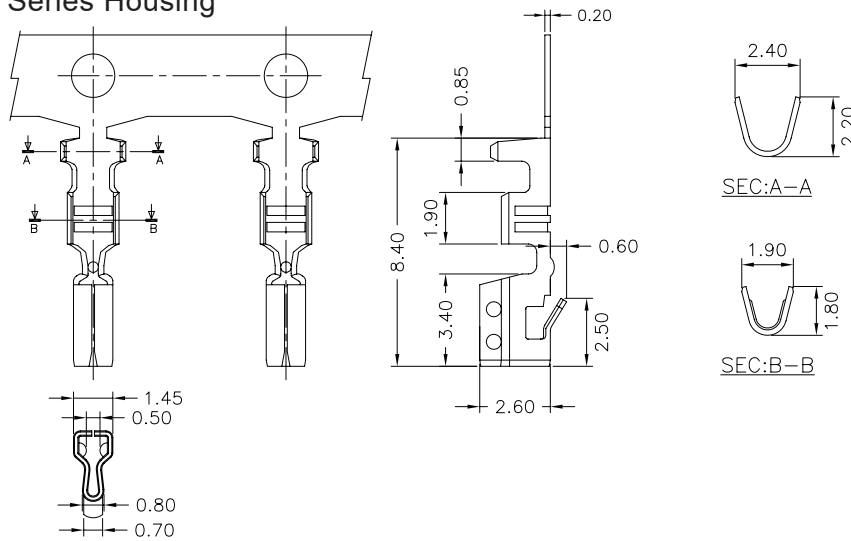
2.50mm Pitch Wire to Wire Connector

C2503F-XXX

— 2.50mm Pitch Crimp Terminal —

Reference Information:

*Used in C2503HF Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
C2503F-TBE	AWG#22-#28	1.90mm(Max)	Brass	Tin-Plated	10,000Pcs
C2503F-TPE	AWG#22-#28	1.90mm(Max)	Phosphor Bronze	Tin-Plated	10,000Pcs
C2503F-HPE	AWG#22-#28	1.90mm(Max)	Phosphor Bronze	Selective Gold-Plated	10,000Pcs

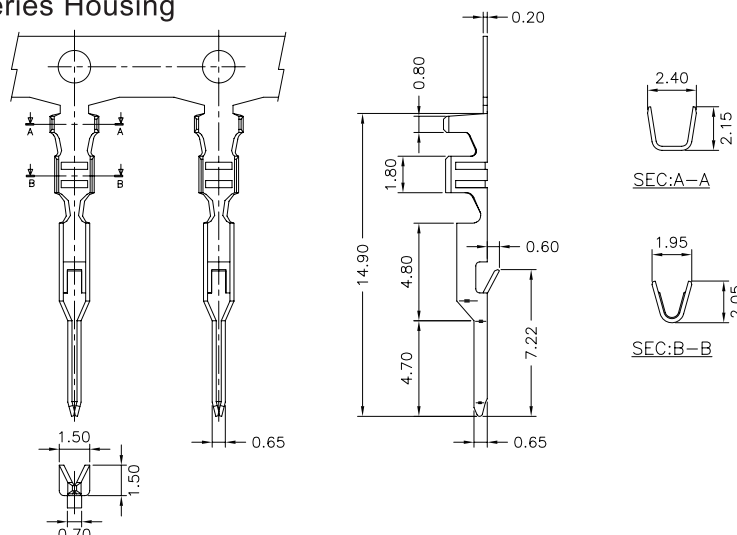
Note:E-Stamping Before Plating

C2503M-XXX

— 2.50mm Pitch Crimp Terminal —

Reference Information:

*Used in C2503HM Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
C2503M-TBE	AWG#22-#28	1.90mm(Max)	Brass	Tin-Plated	10,000Pcs
C2503M-TPE	AWG#22-#28	1.90mm(Max)	Phosphor Bronze	Tin-Plated	10,000Pcs
C2503M-HPE	AWG#22-#28	1.90mm(Max)	Phosphor Bronze	Selective Gold-Plated	10,000Pcs

Note:E-Stamping Before Plating

A
B
C
F



C2503 SERIES

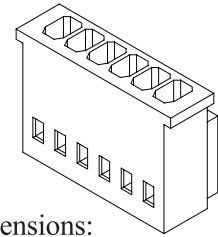
2.50mm Pitch Wire to Wire Connector

C2503HF

2.50mm Pitch Housing - Receptacle

Reference Information:

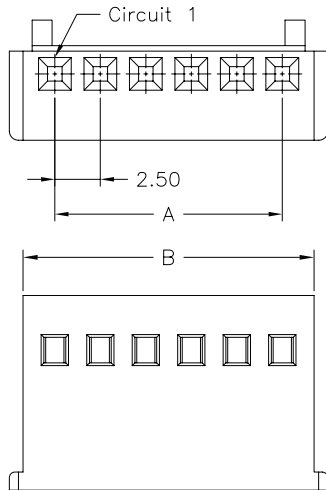
- *Material: Thermoplastic
- *Suitable C2503F Series Terminal
- *Mates with C2503HM,C2503HMA Series Housing



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	6.00
03	5.00	8.50
04	7.50	11.00
05	10.00	13.50
06	12.50	16.00
07	15.00	18.50
08	17.50	21.00
09	20.00	23.50
10	22.50	26.00
11	25.00	28.50
12	27.50	31.00
13	30.00	33.50
14	32.50	36.00
15	35.00	38.50
16	37.50	41.00
17	40.00	43.50
18	42.50	46.00
19	45.00	48.50
20	47.50	51.00

Unit:mm



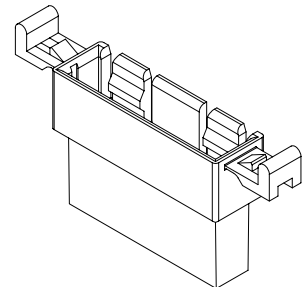
C2503HF-XP						
①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not					
②	Material					
③	Color					
④	Plating Code for Contacts					
⑤	Plating Code					
⑥	Option Code					
⑦	Packing Code					

C2503HM

2.50mm Pitch Housing - Plug

Reference Information:

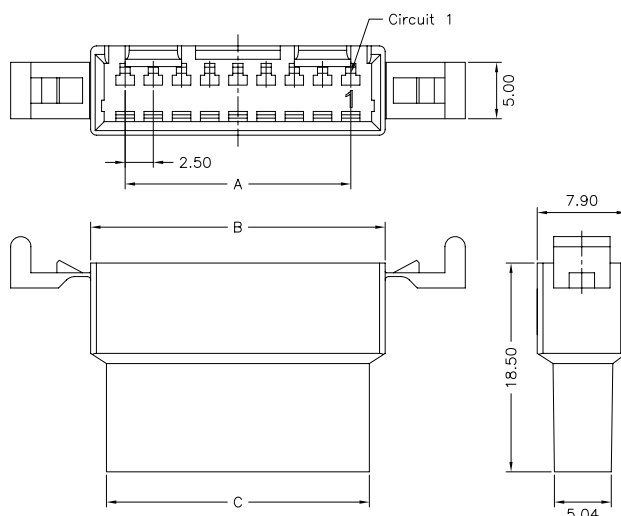
- *Material: Thermoplastic
- *Suitable C2503M Series Terminal
- *Mates with C2503HF Series Housing



Dimensions:

Circuit No.	Dimensions		
	A	B	C
02	2.50	8.60	5.80
03	5.00	11.10	8.30
04	7.50	13.60	10.80
05	10.00	16.10	13.30
06	12.50	18.60	15.80
07	15.00	21.10	18.30
08	17.50	23.60	20.80
09	20.00	26.10	23.30
10	22.50	28.60	25.80
11	25.00	31.10	28.30
12	27.50	33.60	30.80
13	30.00	36.10	33.30
14	32.50	38.60	35.80
15	35.00	41.10	38.30
16	37.50	43.60	40.80

Unit:mm



C2503HM-XP						
①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not					
②	Material					
③	Color					
④	Plating Code for Contacts					
⑤	Plating Code					
⑥	Option Code					
⑦	Packing Code					



C2503 SERIES

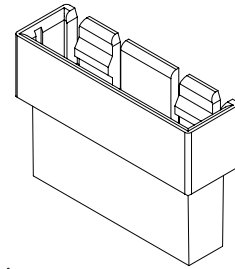
2.50mm Pitch Wire to Wire Connector

C2503HMA

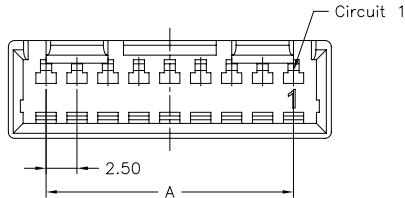
— 2.50mm Pitch Housing - Plug, Without Mounting Ears —

Reference Information:

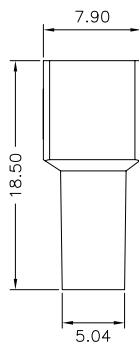
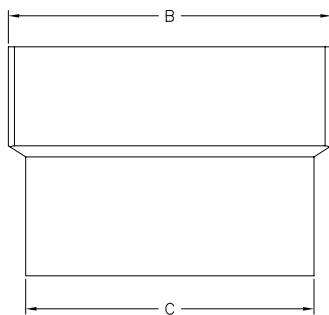
- *Material: Thermoplastic
- *Suitable C2503M Series Terminal
- *Mates with C2503HF Series Housing



A
B
C
F



C2503HMA-XP						
①	②	③	④	⑤	⑥	⑦
① Halogen Free or Not						
② Material						
③ Color						
④ Plating Code for Contacts						
⑤ Plating Code						
⑥ Option Code						
⑦ Packing Code						



Dimensions:

Circuit No.	Dimensions		
	A	B	C
02	2.50	8.60	5.80
03	5.00	11.10	8.30
04	7.50	13.60	10.80
05	10.00	16.10	13.30
06	12.50	18.60	15.80
07	15.00	21.10	18.30
08	17.50	23.60	20.80
09	20.00	26.10	23.30
10	22.50	28.60	25.80
11	25.00	31.10	28.30
12	27.50	33.60	30.80
13	30.00	36.10	33.30
14	32.50	38.60	35.80
15	35.00	41.10	38.30
16	37.50	43.60	40.80

Unit:mm