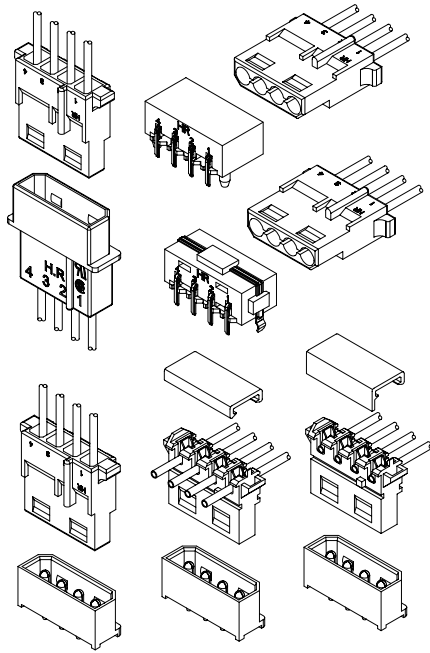# C5080 SERIES

5.08mm Pitch Wire to Wire and Wire to Board Connector

Specifications

Current Rating: 4A~10A AC,DC(Per Pin)
Voltage Rating: 250V AC,DC(Per Pin)
Temperature Range: -25°C ~ +85°C
Contact Resistance: 10mΩ Max.
Insulation Resistance: 1000MΩ Min.
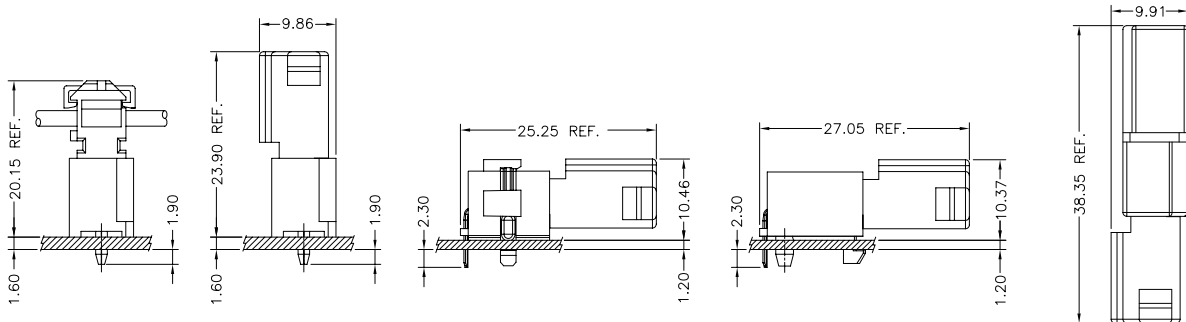Withstanding Voltage: 1500V AC/minute
Contact H.R for Details

Standards

E179987

R 50004394

Assembly Layout

9.86
9.91
20.15 REF.
23.90 REF.
1.90
1.90
2.30
25.25 REF.
10.46
2.30
27.05 REF.
10.37
38.35 REF.
1.60
1.60
1.20
1.20

Ordering Code

❶ ❷ ❸ ❹ ❺ ❻
C5080 X-X X X-X

❶ Series No.
❷ Terminal Type: F=Female, M=Male
❸ Plating Code: T=Tin-Plated
❹ Material: B=Brass
❺ E=Stamping Before Plating
❻ Option Code: (Refer to Drawings)

❶ ❷ ❸
C5080 XX-XP

❶ Series No.
❷ Housing Type: HF=Receptacle, HM=Plug, HI=I.D.C. Connector
❸ No. of Circuits

❶ ❷ ❸ ❹
C5080 XX-X-XP

❶ Series No.
❷ Connector Type: WR=Right Angle, WV=Vertical
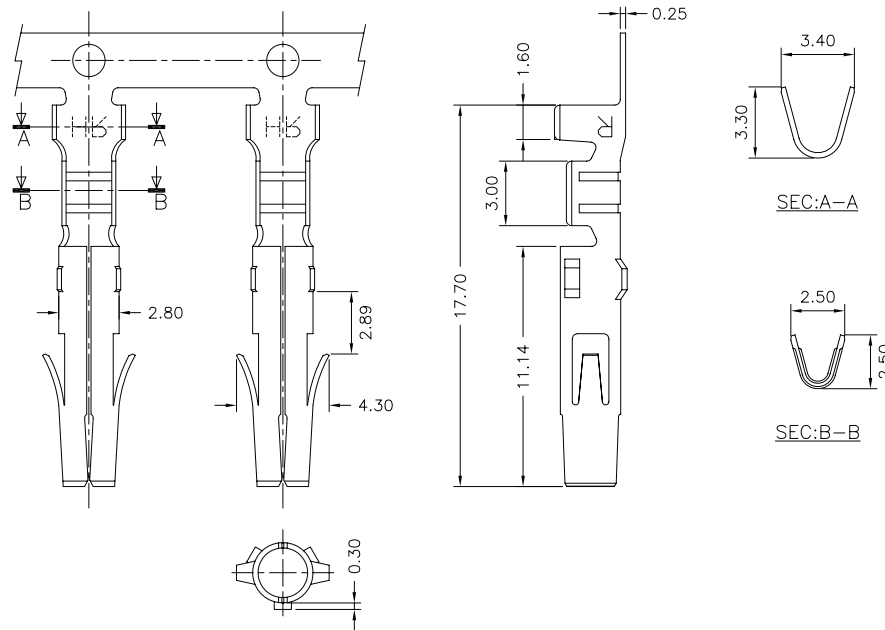❸ Blank=Normal Type, F=With Post
❹ No. of Circuits

C5080F-XXX — 5.08mm Pitch Crimp Terminal

Reference Information:

*Used in H.R C5080HF Series Housing

Ordering Information & Specifications: Unit:mm

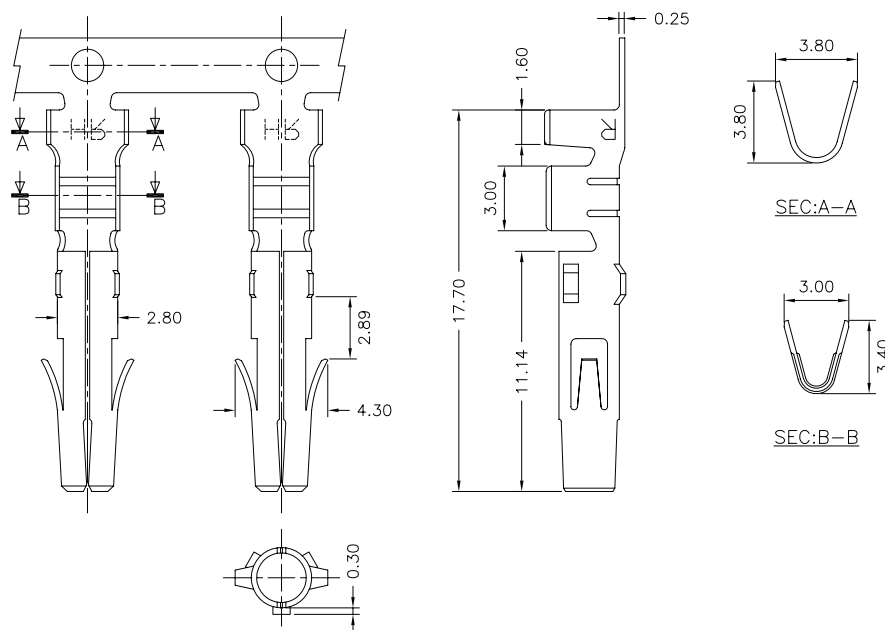| Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
C5080F-TBE	AWG#18-#24	2.50mm(Max)	Brass	Tin-Plated	7,000Pcs

Note:E-Stamping Before Plating

C5080F-XXX — 5.08mm Pitch Crimp Terminal

Reference Information:

*Used in H.R C5080HF Series Housing

Ordering Information & Specifications: Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
C5080F-TBE-H	AWG#14-#20	3.30mm(Max)	Brass	Tin-Plated	7,000Pcs

Note:E-Stamping Before Plating

C5080M-XXX — 5.08mm Pitch Crimp Terminal

Reference Information:

*Used in H.R C5080HM Series Housing
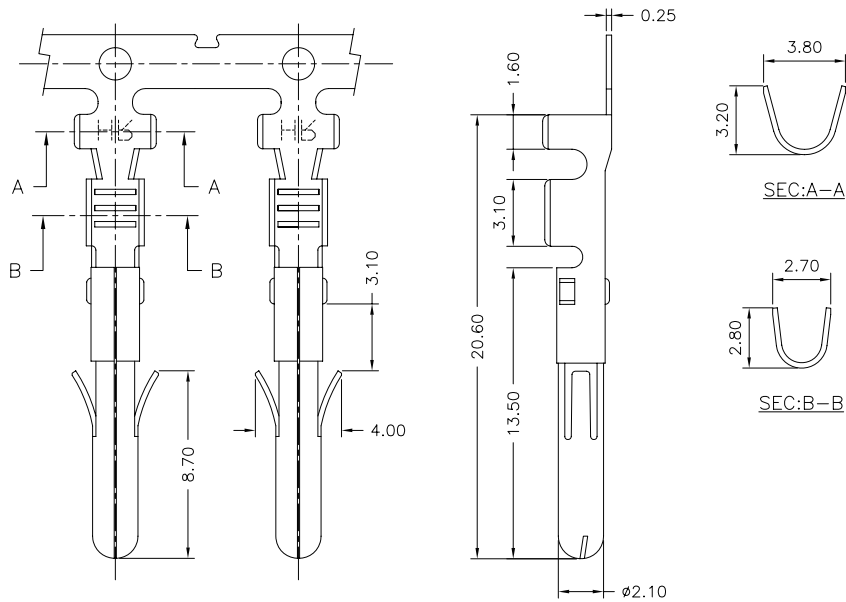
SEC:A—A

SEC:B—B

Ordering Information & Specifications: Unit:mm

| Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
C5080M-TBE	AWG#18-#24	2.50mm(Max)	Brass	Tin-Plated	7,000Pcs

Note:E-Stamping Before Plating

C5080HF-04P — 5.08mm Pitch Housing

Reference Information:

*Material: Thermoplastic
*Suitable H.R C5080F Series Terminal
*Mates with H.R C5080HM Series Housing or C5080 Series Wafer

Circuit 1

5.08
15.24
21.08
21.59
11.68
6.35
7.37
25.90

HR
1 2 3 4
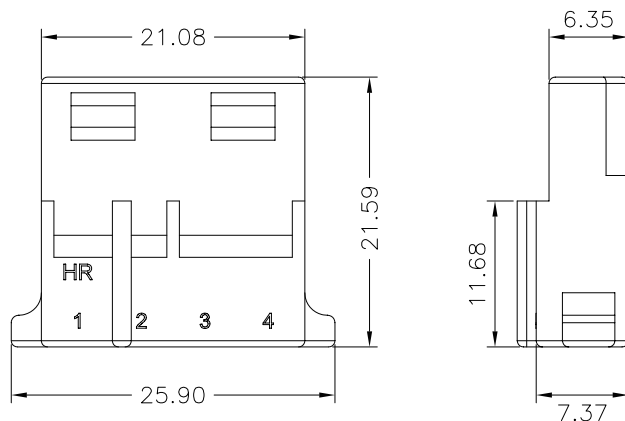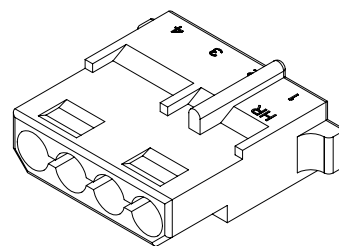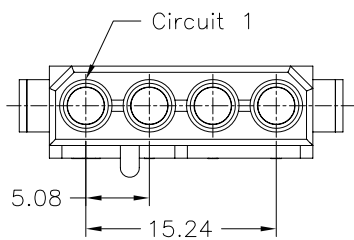
C5080HF-XP X X X XX X XX X
① ② ③ ④ ⑤ ⑥ ⑦
① Halogen Free or Not
② Material
③ Color
④ Plating Code for Contacts
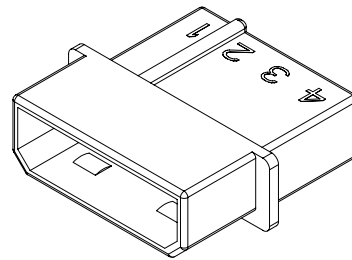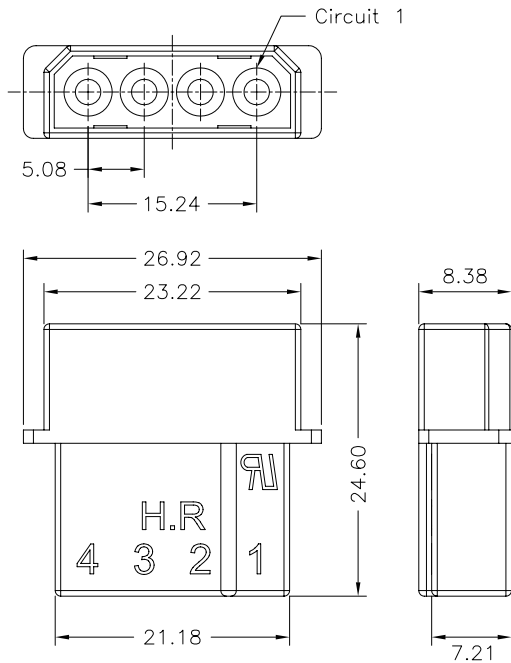⑤ Plating Code
⑥ Option Code
⑦ Packing Code

C5080HM-04P — 5.08mm Pitch Housing

Reference Information:

*Material: Thermoplastic
*Suitable H.R C5080M Series Terminal
*Mates with H.R C5080HF Series Housing or C5080HI Series I.D.C. Connector

Circuit 1

5.08
15.24
26.92
23.22
8.38
24.60
H.R
4 3 2 1
21.18
7.21

```
C5080HM-XP  X X X XX X XX X
            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
```

C5080HI-04P — 5.08mm Pitch Insulation Displacement Connector

Reference Information:

*Material: Terminal: Copper Alloy
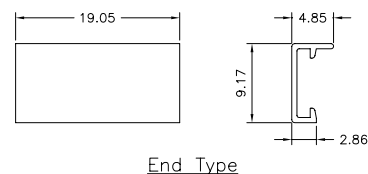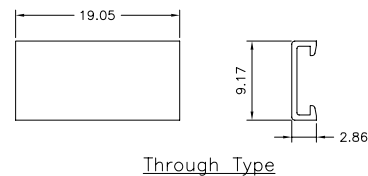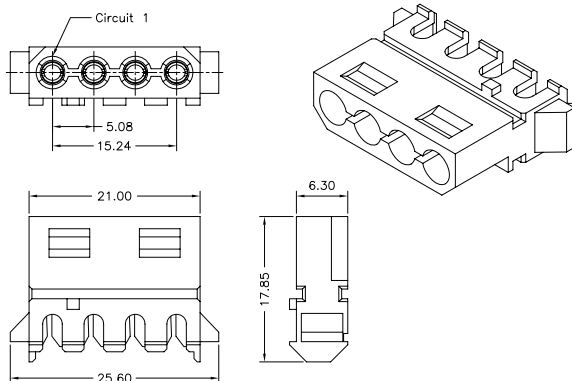   Housing: Thermoplastic
         Cap: Thermoplastic
*Mates with H.R C5080HM Series Housing or C5080 Series Wafer

```
C5080HI-XP  X X X XX X XX X
            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: 16=AWG#16, 18=AWG#18, 20=AWG#20,
               22=AWG#22
⑦ Packing Code
```

```
C5080HI-XP  X X X XX X XX X
            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: C0=Through Type, CA=End Type
⑦ Packing Code
```

Circuit 1

5.08
15.24
21.00
6.30
17.85
25.60

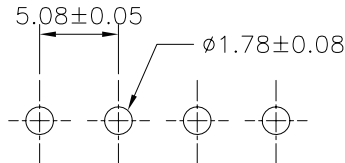19.05
9.17
2.86
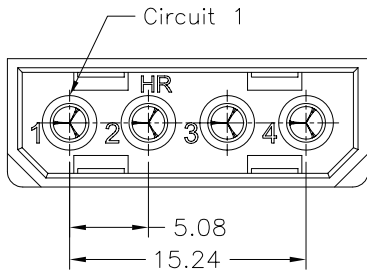Through Type

19.05
4.85
9.17
2.86
End Type

A
B
C
F

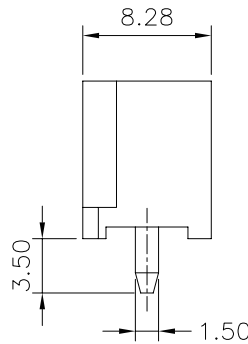## C5080WV-04P — 5.08mm Pitch 180° Wafer

Reference Information:

*Material: Pin: Copper Alloy
         Wafer: Thermoplastic
*Mates with H.R C5080HF Series Housing or C5080HI Series I.D.C. Connector

A
B
C
F

Circuit 1

HR

1 2 3 4

5.08
15.24

5.08±0.05
Ø1.78±0.08

PCB Layout

23.26
10.16

8.28
3.50
1.50

C5080WV−XP X X X XX X XX X
             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
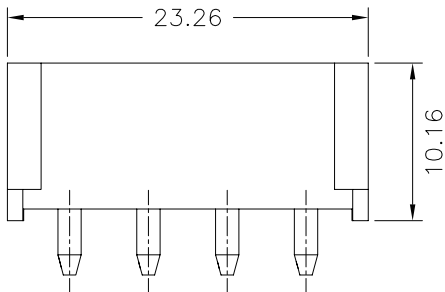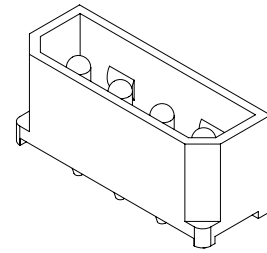
C5080WR-04P — 5.08mm Pitch 90° Wafer

Reference Information:

*Material: Pin: Copper Alloy
         Metal Band: Copper Alloy
         Wafer: Thermoplastic
*Mates with H.R C5080HF Series Housing or C5080HI Series I.D.C. Connector

Circuit 1

1.32
5.08
15.24

Ø2.30±0.05
5.45±0.10
Ø1.52±0.08
5.08±0.10
15.24±0.10
24.00±0.10

PCB Layout

23.22
11.50

8.30
10.50
3.30
3.50

C5080WR−XP X X X XX X XX X
             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
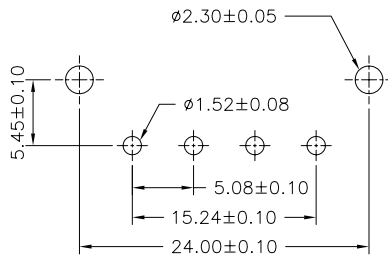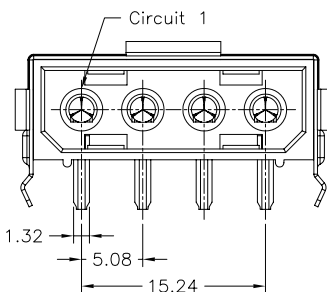⑦ Packing Code

C5080WR-F-04P — 5.08mm Pitch 90° Wafer with Post
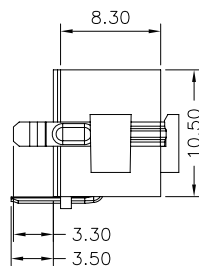
Reference Information:

*Material: Pin: Copper Alloy
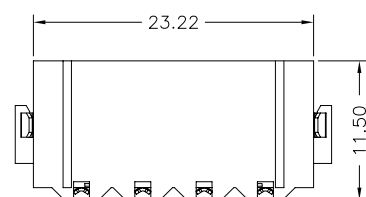   Wafer: Thermoplastic
*Mates with H.R C5080HF Series Housing or C5080HI Series I.D.C. Connector

Circuit 1

7.62±0.08
10.16±0.08   Ø4.00±0.05
Ø2.54±0.05
Ø1.52±0.08
2.54±0.05
5.08±0.05
15.24±0.08
20.32±0.10

1.32
5.08
15.24
Ø2.29

PCB Layout

23.26
13.32
20.32

8.28
12.32
3.50

C5080WR-F-XP X X X XX X XX X
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

C5080WR-04P — 5.08mm Pitch 90° Wafer - Reverse Type
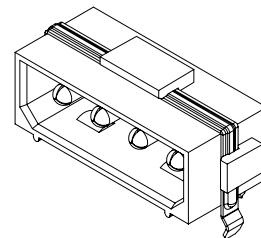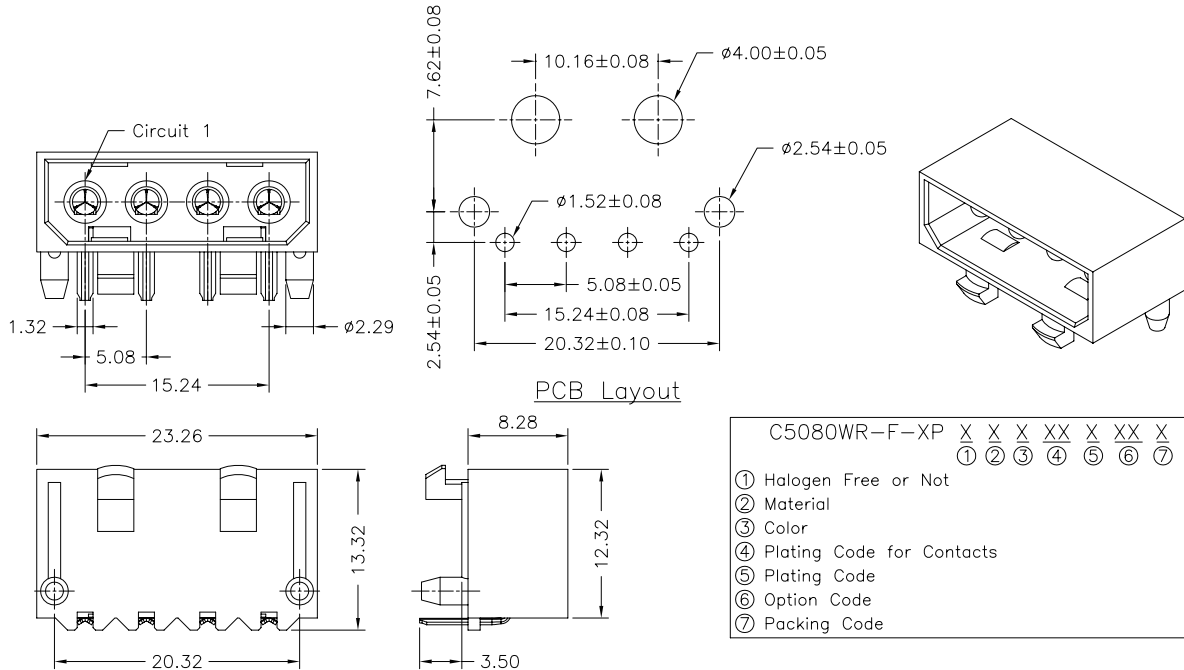
Reference Information:

*Material: Pin: Copper Alloy
        Metal Band: Copper Alloy
        Wafer: Thermoplastic
*Mates with H.R C5080HF Series Housing or C5080HI Series I.D.C. Connector

Circuit 1

Ø2.30±0.05
5.45±0.10
Ø1.52±0.08
5.08±0.10
15.24±0.10
24.00±0.10

1.32
5.08
15.24

PCB Layout

23.22
11.50

8.30
10.50
3.30
3.50

C5080WR-XP X X X XX X R0 X
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: R0=Reverse Type
⑦ Packing Code

A
B
C
F