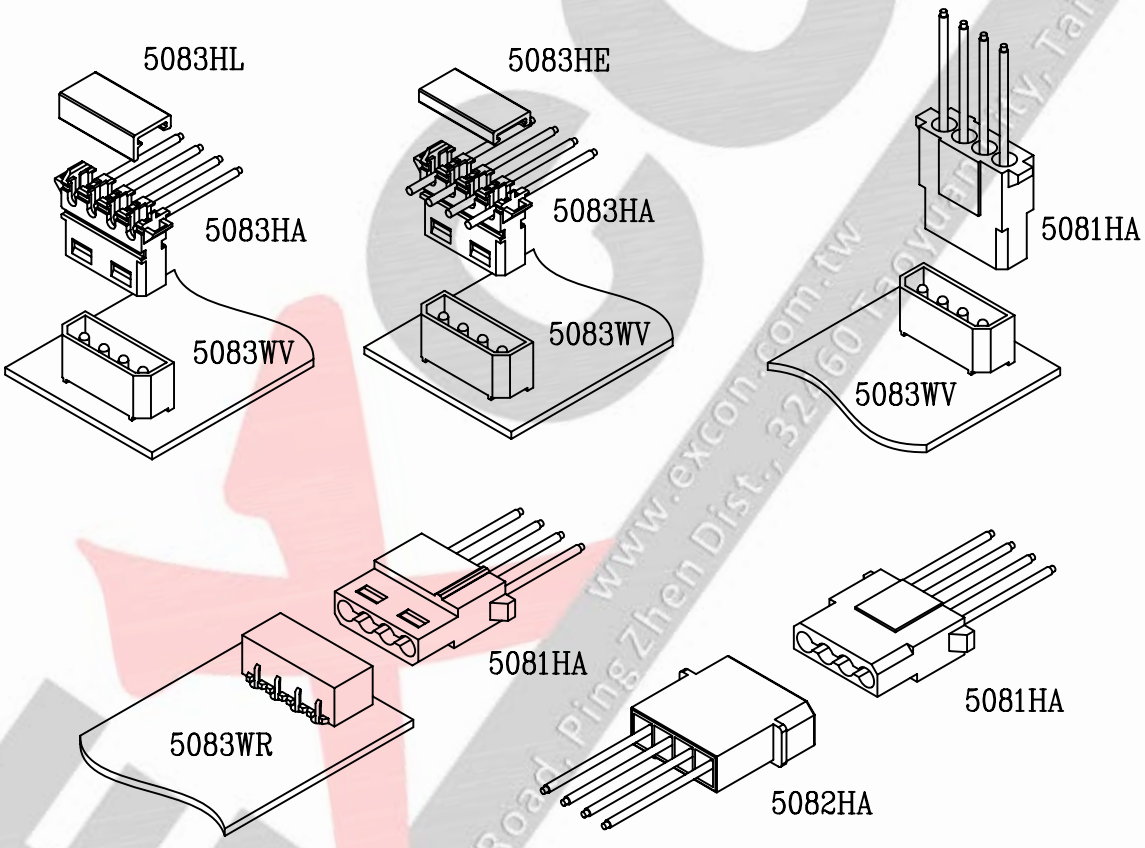
EXCON

5081,5082,5083 SERIES

Wire to Board
& Wire to Wire
pitch 5.08mm(.200")

■ Specifications

1. Current rating: 5A AC/DC
2. Voltage rating: 250V AC/DC
3. Withstand voltage: 1500V AC/minute
4. Insulation resistance: 1000M Ω min
5. Contact resistance: 10m Ω max
6. Temperature range: −40°C to +105°C (including temperature rise)
7. Applicable PC board thickness: 1.0~1.6mm(.039" to .063")
8. Applicable wires: AWG#24−#18
   Insulation O.D.: 1.3−2.5mm
9. Circuits: 02~04 circuits available



www.excon.com.tw
8, Xing Long Road, Ping Zhen Dist., 32460 Taoyuan City, Taiwan (R.O.C)

Part Code Information:

5081−WW XX YYY
① ② ③ ④

① Series Name

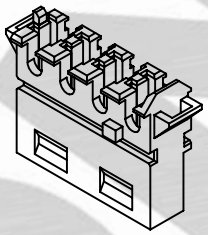
② Circuits Number
02~04 circuits
00 For Terminal

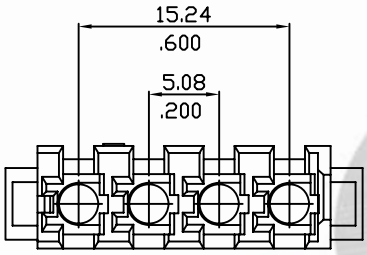
③ Product Type
HA=Housing
WV=Wafer (Vertical type)
WR=Wafer (Right angle type)
LA=End type lid
LB=Through type lid
TC=Terminal

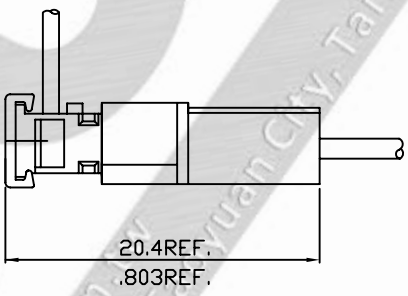
④ Material/Finishing/Color
051=Brass,Tin Pre−Plated
351=Phosphor,Tin Pre−Plated
001=NY 66 94V0,Natural Color
051=NY 66 94V2,Natural Color
057=NY 66 94V2,Yellow Color
059=NY 66 94V2,Bule Color

Housing (Male)

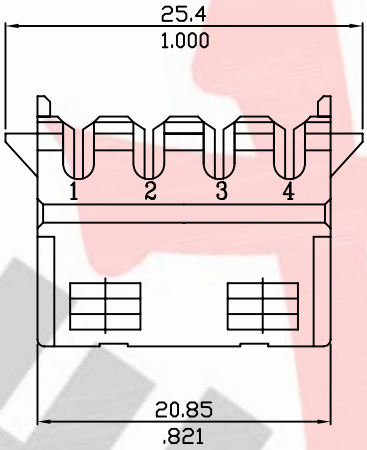
1. Part No.: 508304HA051
2. Part Name: 5083 Housing
3. Material: Nylon 66 UL 94V2
4. Color: Natural/Yellow/Bule

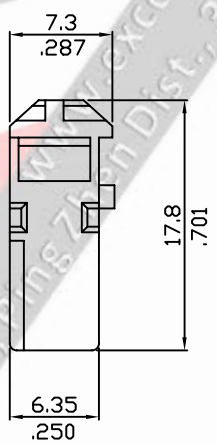






Assemble figure





Natural Color= AWG 18
Yellow Color= AWG 20
Bule Color= AWG 22

Part Code Information:

5083-WW XX YYY
① ② ③ ④

① Series Name

② Circuits Number
Only 04 circuits

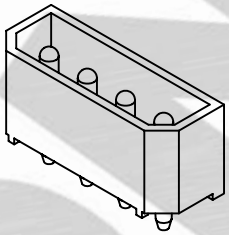
③ Product Type
HA=Housing

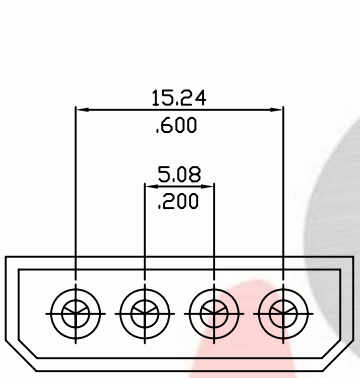
④ Material/Finishing/Color
051=NY 66 94V2,Natural Color
057=NY 66 94V2,Yellow Color
059=NY 66 94V2,Bule Color

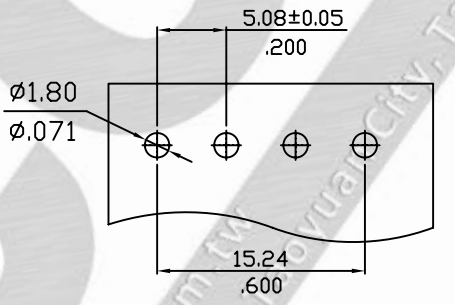
89, Xing Long Road, Ping Zhen Dist., 32460 Taoyuan City, Taiwan (R.O.C)
www.excon.com.tw

Wafer (Vertical type)

1. Part No.: 508304WV051
2. Part Name: 5083 Wafer
3. Material: Nylon 66 UL 94V0/V2
   Pin: Brass bronze, Tin plated
5. Color: Natural

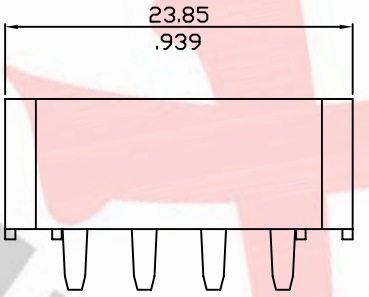


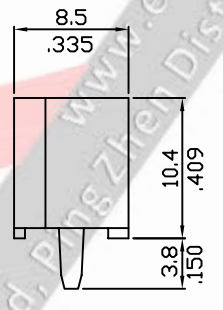


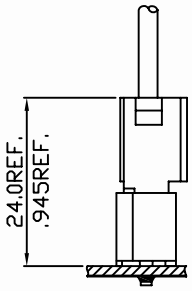


RECOMMENDED PCB LAYOUT

(PCB T=1.0~1.6mm)
(PCB T=.039~.063 in)







Assemble figure

Part Code Information:

5083-WW XX YYY
① ② ③ ④

① Series Name

② Circuits Number
Only 04 circuits

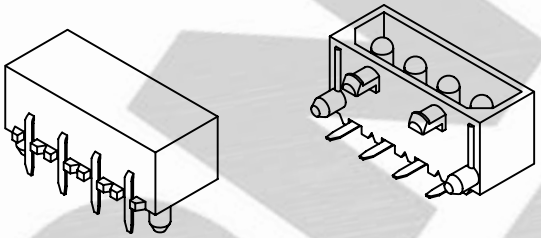
③ Product Type
WV=Wafer (Vertical type)

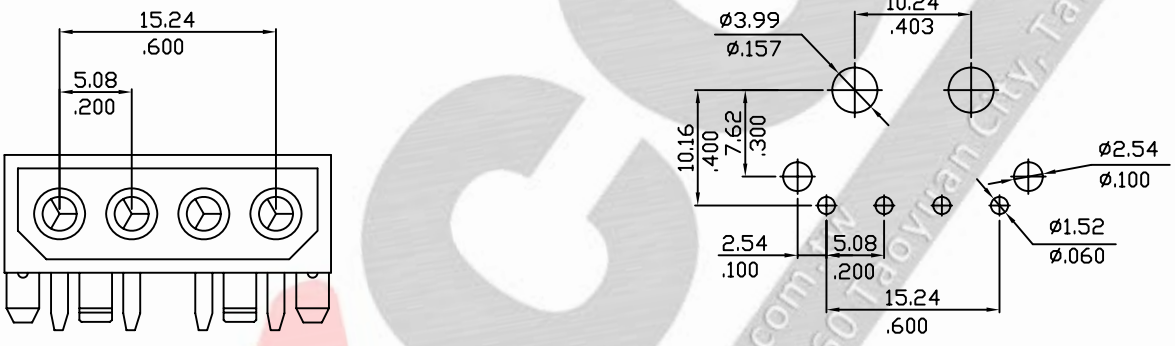
④ Material/Finishing/Color
001=NY 66 94V0,Natural Color
051=NY 66 94V2,Natural Color

89, Xing Long Road, Ping Zhen Dist., 32560 Taoyuan City, Taiwan (R.O.C)
www.excon.com.tw

Wafer (Right angle type)

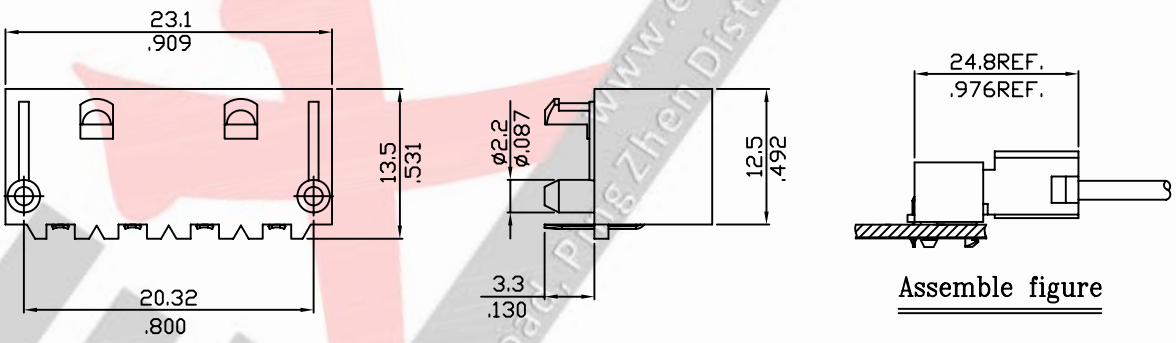
1. Part No.: 508304WR051
2. Part Name: 5083 Wafer
3. Material: Nylon 66 UL 94V0/V2
   Pin: Brass bronze, Tin plated
5. Color: Natural





RECOMMENDED PCB LAYOUT

(PCB T=1.0~1.6mm)



Assemble figure

Part Code Information:

5083-WW XX YYY

① ② ③ ④

① Series Name

② Circuits Number

Only 04 circuits

③ Product Type

WR=Wafer (Right angle type)

④ Material/Finishing/Color

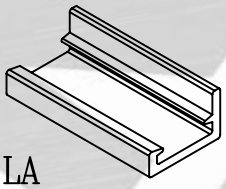
001=NY 66 94V0,Natural Color

051=NY 66 94V2,Natural Color

89, Xing Fong Road, Pin Zhen Dist., 32460 Taoyuan City, Taiwan (R.O.C)
www.excon.com.tw

Lid

1. Part No.: 508300LA051
2. Part Name: 5083 Lid
3. Material: Nylon 66 UL 94V2
4. Color: Natural



(End type;Part No.:508300LA051)

Part Code Information:

5083-WW XX YYY
① ② ③ ④

① Series Name

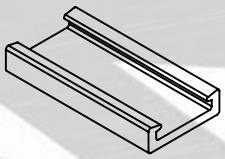
② Circuits Number
00

③ Product Type
LA=End type lid

④ Material/Finishing/Color
051=NY 66 94V2,Natural Color

Lid

1. Part No.: 508300LB051
2. Part Name: 5083 Lid
3. Material: Nylon 66 UL 94V2
4. Color: Natural



LB

(Through type;Part No.:508300LB051)

Part Code Information:

5083-WW XX YYY
① ② ③ ④

① Series Name

② Circuits Number
00

③ Product Type
LB=Through type lid

④ Material/Finishing/Color
051=NY 66 94V2,Natural Color

EXCON
89, Xing Fong Road, Pingzhen Dist., 32460 Taoyuan City, Taiwan (R.O.C)
www.excon.com.tw