

F

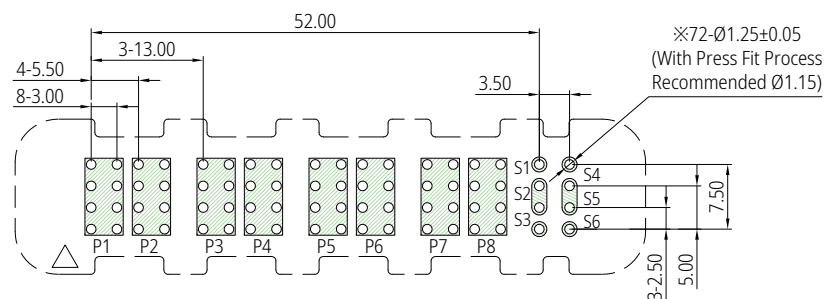
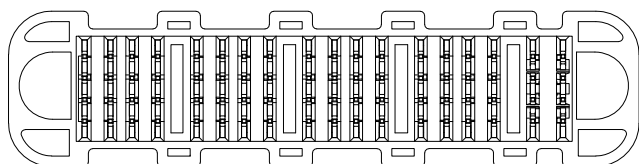
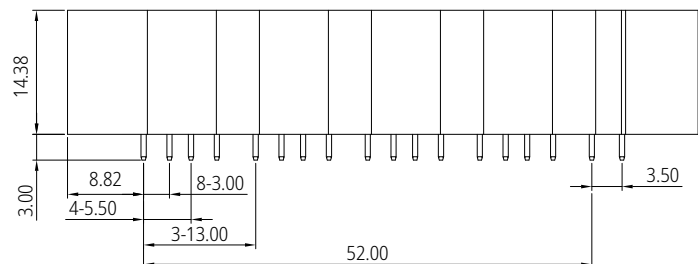
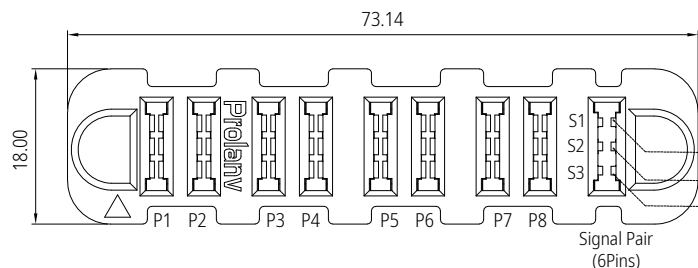
E

D

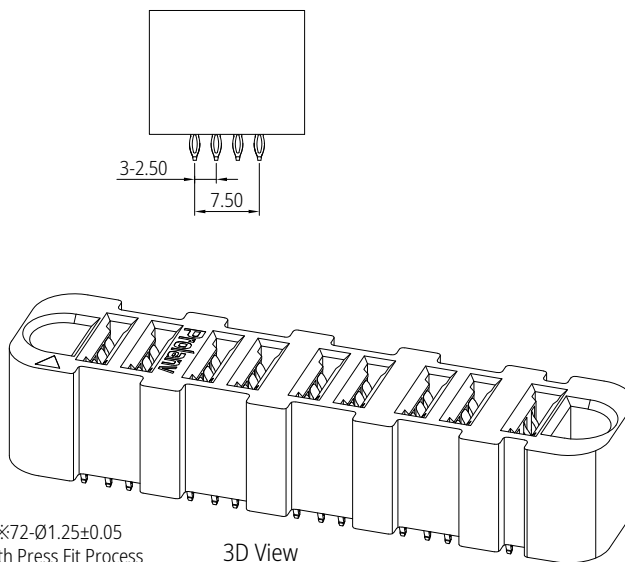
C

B

A

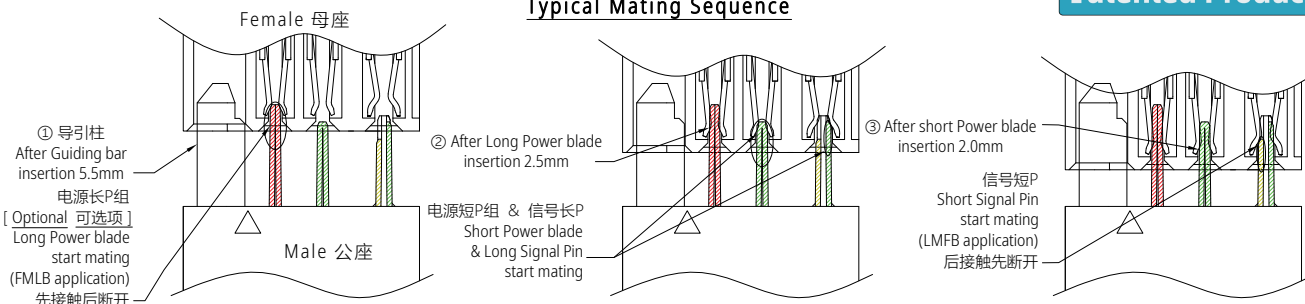


Recommended P.C.B layout (Top View)  
Tolerance  $\pm 0.05$



3D View

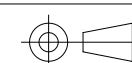
## Typical Mating Sequence



## Notes:

- Material Specification:
  - Housing: High Temperature Thermoplastic. UL94 V-0, Black;
  - Contact: High Conductivity Copper Alloy;
- Plating Specification:
  - Contact: Gold plating on Contact area, Matte Tin  $80\mu$ " min. on Tails, and  $80\mu$ " min. Nickel overall;
- Electrical performance:
  - Voltage Rating: 250v DC/power blade, 120v DC/signal pin;
  - Current Rating: 60A (per pair power blade), 3A (per signal pin).
  - LLCR:
    - initial  $0.6m\Omega$  max., finished  $1.0m\Omega$  maximum change.(per pair power blade);
    - initial  $10m\Omega$  max., finished  $20m\Omega$  maximum change.(per signal pin).
  - Dielectric Withstanding Voltage:
    - 1500v DC rms/power blade; 500v DC rms/signal pin.
  - Insulation Resistance:
    - 5000 M $\Omega$  min/Power blade; 500 M $\Omega$  min/Signal Pin.
- Mechanical Performance:
  - Insertion Force: 19.6N (2.0kgf) max./Per Pair;
  - Withdrawal Force: 4.5~11N (0.4~1.2kgf)/Per Pair;
  - Durability Life: 10,000 cycles. max.
- IR Reflow:
  - The peak temperature on board shall be maintained for 10 seconds at  $260 \pm 5^\circ\text{C}$ .
- Operating Temperature rang:  $-40 \sim 125^\circ\text{C}$ .
- All parts RoHS and Reach compliant.
- ※ See SPS-PDC-06 for Terminal details.

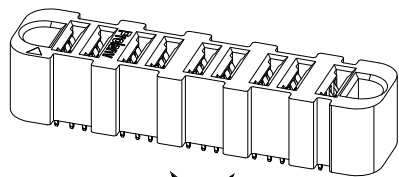
|                                                                                                                       |                                     |                   |                          |                      |                                                                |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------|--------------------------|----------------------|----------------------------------------------------------------|
| THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF Prolanv AND SHALL NOT BE COPIED OR USED WITHOUT Prolanv PERMISSION | GENERAL TOLERANCES UNLESS SPECIFIED |                   | PART NO.<br>PDC2010F0001 | APPROVED BY<br>Henry | TITLE<br>EN60A series   Power Female.<br>8PW+6S, Straight Type |
|                                                                                                                       | X $\pm$ 0.30                        | X $^\circ$ ± 3°   |                          |                      |                                                                |
|                                                                                                                       | XX $\pm$ 0.20                       | X $^\circ$ ± 2°   |                          |                      |                                                                |
|                                                                                                                       | XXX $\pm$ 0.05                      | XX $^\circ$ ± 1°  | CHECKED BY<br>Poplar     | DWG NO.<br>PDC20-10  |                                                                |
|                                                                                                                       | CUSTOMER DRAWING                    |                   |                          |                      |                                                                |
|                                                                                                                       | SIZE<br>A4                          | UNITS<br>mm[only] | DRAWN BY<br>Kaylee       |                      |                                                                |



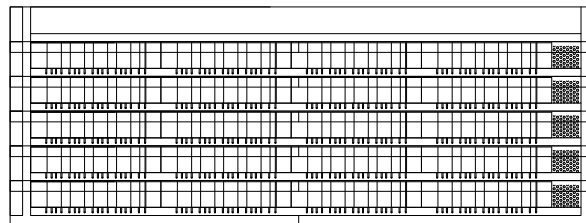
| SHEET | SCALE | REV |
|-------|-------|-----|
| 1 / 2 | 1:1   | B2  |

F  
E  
D  
C  
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A

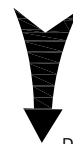
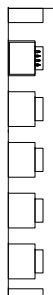
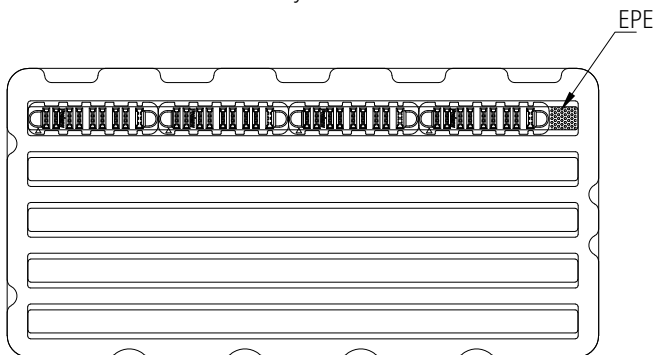
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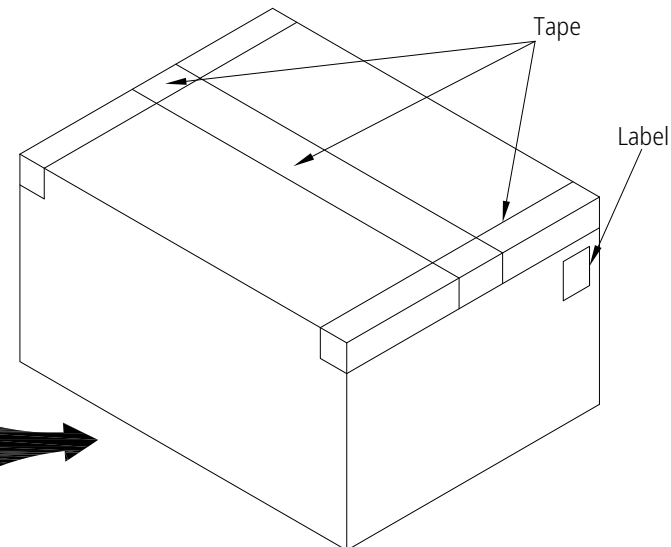
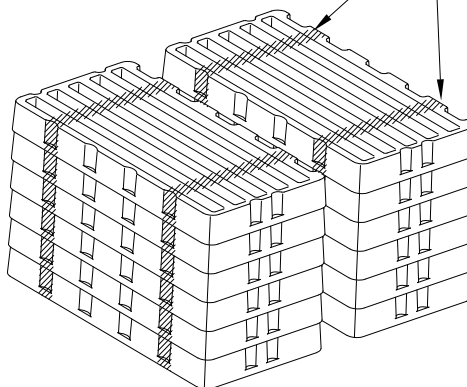
20Pcs/Tray



Total: 2x5 Layers



PE Film



Notes:

- Q'ty:20 Pcs/Tray, 2x5 Layers=200 Pcs/Carton.
- Tray pallet size: 332\*162mm.
- Carton size: 350\*350\*155mm.

|                                                                                                                       |                                        |                   |                          |  |                                                                        |  |  |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------|--------------------------|--|------------------------------------------------------------------------|--|--|
| THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF Prolanv AND SHALL NOT BE COPIED OR USED WITHOUT Prolanv PERMISSION | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                   | PART NO.<br>PDC2010F0001 |  | <b>Prolanv®</b>                                                        |  |  |
|                                                                                                                       | X± 0.30                                | X°± 3°            | APPROVED BY<br>Henry     |  | TITLE EN60A series   Power Female.<br>8PW+6S, Straight Type, Packaging |  |  |
|                                                                                                                       | XX± 0.20                               | XX°± 2°           | CHECKED BY<br>Poplar     |  | DWG NO. P-PDC20-10                                                     |  |  |
|                                                                                                                       | XXX± 0.05                              | XXX°± 1°          | DRAWN BY<br>Kaylee       |  |                                                                        |  |  |
|                                                                                                                       | CUSTOMER DRAWING                       |                   |                          |  |                                                                        |  |  |
|                                                                                                                       | SIZE<br>A4                             | UNITS<br>mm[only] |                          |  |                                                                        |  |  |

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