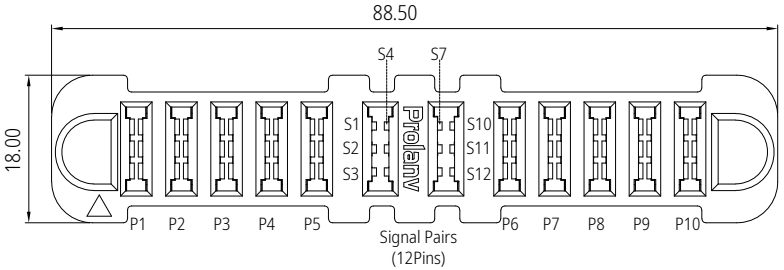
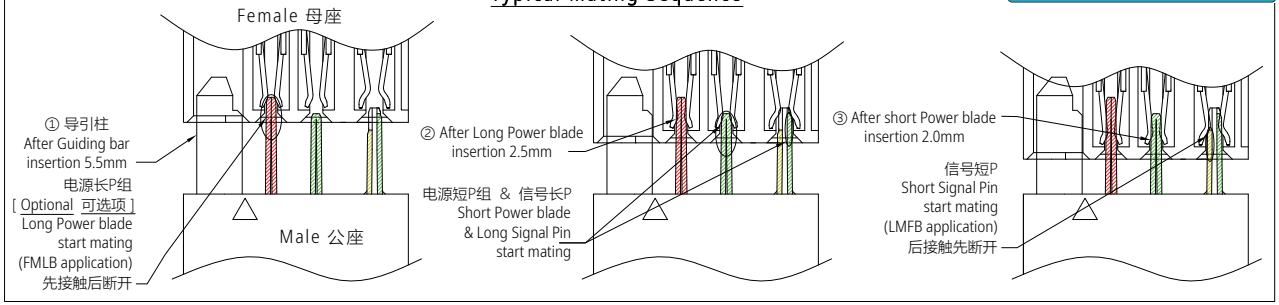
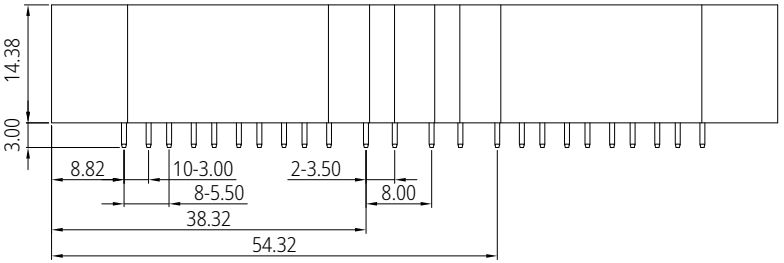
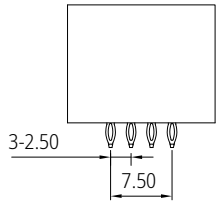
专利产品 Patented Product 2025 version

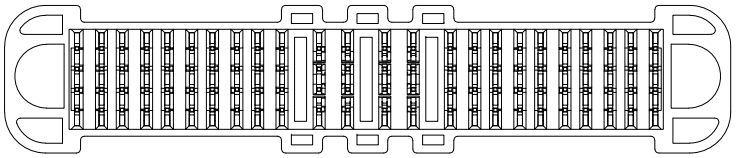


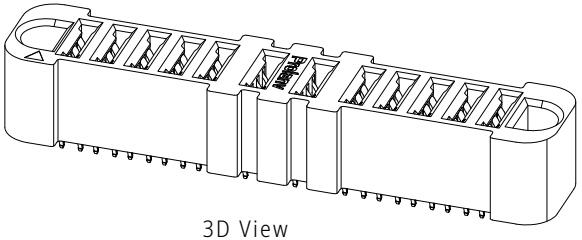

## Typical Mating Sequence



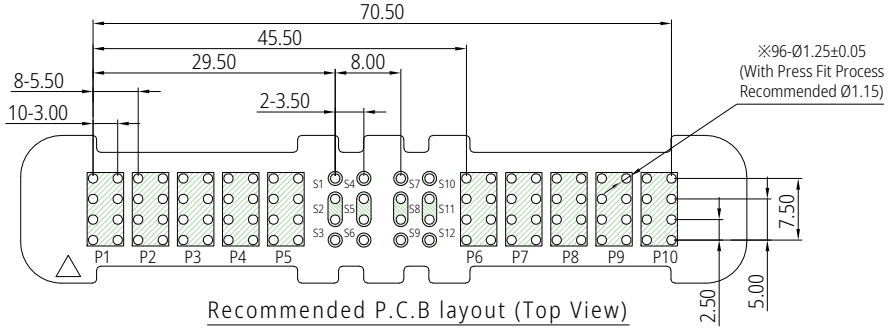





3D View




Recommended P.C.B layout (Top View)
Tolerance ±0.05

Notes:
1. Material Specification:
 1-1. Housing: High Temperature Thermoplastic. UL94 V-0, Black;
 1-2. Contact: High Conductivity Copper Alloy;
2. Plating Specification:
 2-1. Contact: Gold plating on Contact area, Matte Tin 80μ" min. on Tails, and 80μ" min. Nickel overall;
3. Electrical performance:
 3-1. Voltage Rating: 250v DC/power blade, 120v DC/signal pin;
 3-2. Current Rating: 60A (per pair power blade), 3A (per signal pin).
 3-3. LLCR:
  initial 0.6mΩ max., finished 1.0mΩ maximum change.(per pair power blade);
  initial 10mΩ max., finished 20mΩ maximum change.(per signal pin).
 3-4. Dielectric Withstanding Voltage:
  1500v DC rms/power blade; 500v DC rms/signal pin.
 3-5. Insulation Resistance:
  5000 MΩ min/Power blade; 500 MΩ min/Signal Pin.
4. Mechanical Performance:
 4-1. Insertion Force: 19.6N (2.0kgf) max./Per Pair;
 4-2. Withdrawal Force: 4.5~11N (0.4~1.2kgf)/Per Pair;
 4-3. Durability Life: 10,000 cycles. max.
5. IR Reflow:
 The peak temperature on board shall be maintained for 10 seconds at 260±5°c.
6. Operating Temperature rang: -40~125°C.
7. All parts RoHS and Reach compliant.
8. ※ 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 | | | |
|---|---|---|---|
| .X± 0.30 | | X.°± 3° | |
| .XX± 0.20 | | .X°± 2° | |
| .XXX± 0.05 | | .XX°± 1° | |
| CUSTOMER DRAWING | | | |
| SIZE | UNITS | | |
| A4 | mm[only] | | |

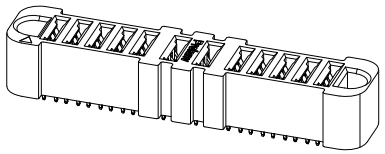
| | |
|---|---|
| PART NO. | PDC2210F0001 |
| APPROVED BY | Henry |
| CHECKED BY | Poplar |
| DRAWN BY | Kaylee |

Prolanv®

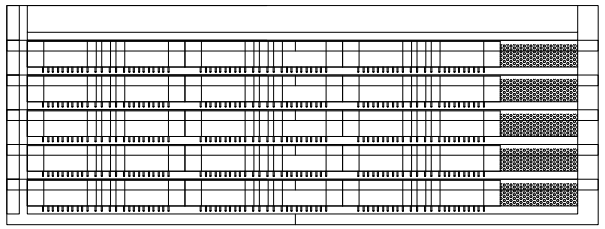
| | |
|---|---|
| TITLE | EN60A series \| Power Female. 10PW+12S, Straight Type |
| DWG NO. | PDC22-10 |

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

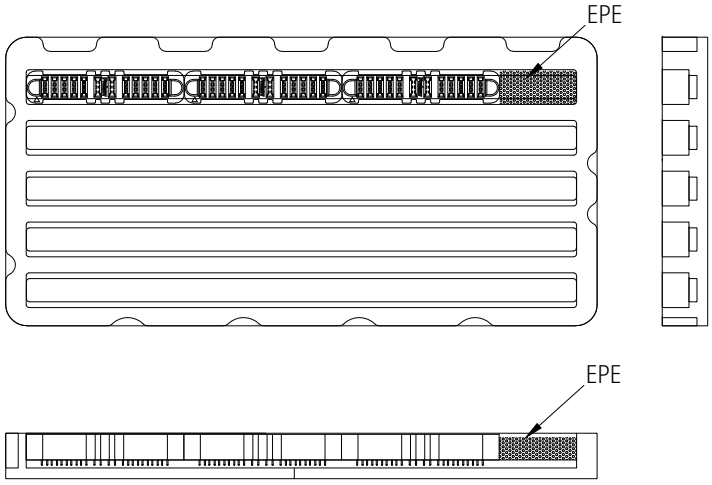
Copyright Shenzhen Prolanv Inc. www.prolanv.com

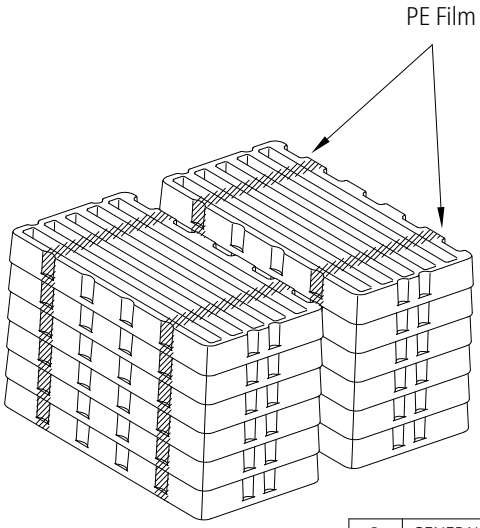


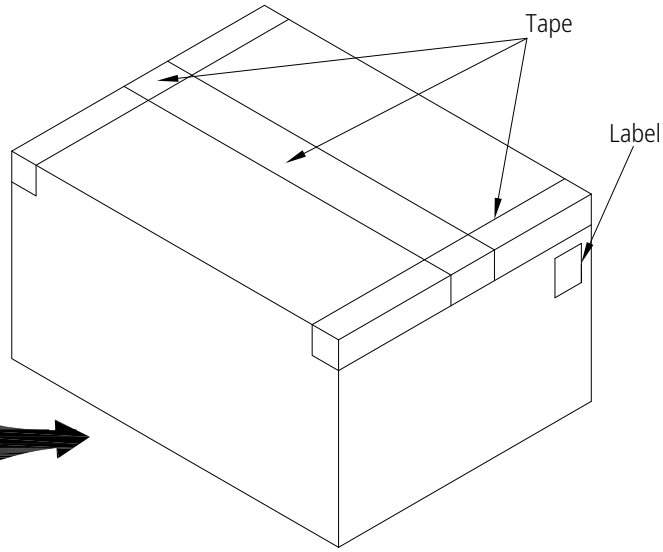
15 Pcs/Tray



Total: 2x5 Layers




Notes:

1. Q'ty: 15 Pcs/Tray, 2x5 Layers=150 Pcs/Carton.
2. Tray Pallet size: 332*162mm.
3. 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 UNLESS SPECIFIED | | PART NO. | Prolanv® |
|---|---|---|---|
| X ± 0.30 | X.° ± 3° | PDC2210F0001 | |
| .XX ± 0.20 | .X° ± 2° | APPROVED BY: Henry | TITLE: EN60A series \| Power Female. 10PW+12S, Straight Type, Packaging |
| .XXX ± 0.05 | .XX° ± 1° | CHECKED BY: Poplar | DWG NO.: P-PDC22-10 |
| CUSTOMER DRAWING | | DRAWN BY: Kaylee | |

| SIZE | UNITS | SHEET | SCALE | REV |
|---|---|---|---|---|
| A4 | mm[only] | 2 / 2 | N/A | A4 |

Copyright Shenzhen **Prolanv** Inc. www.prolanv.com