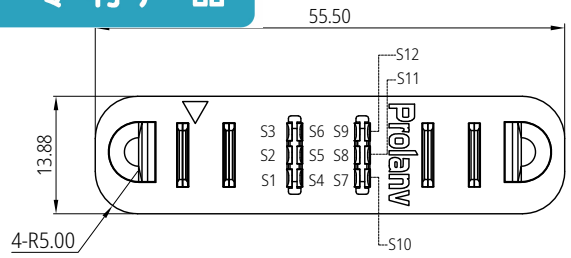
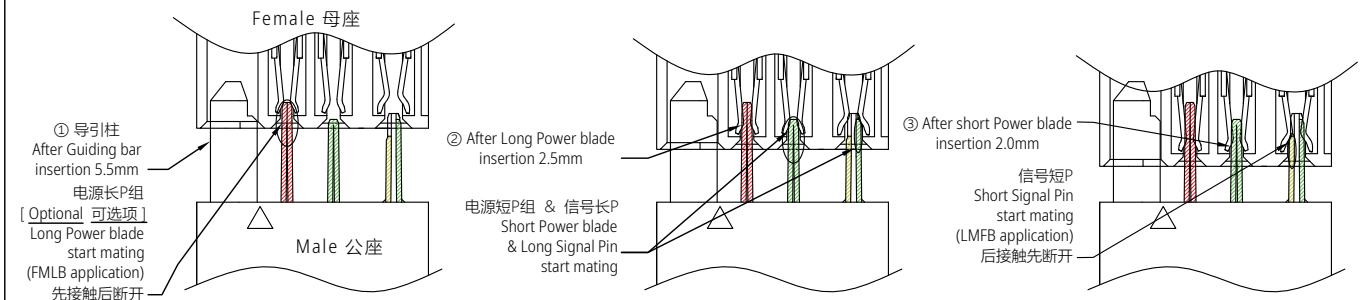
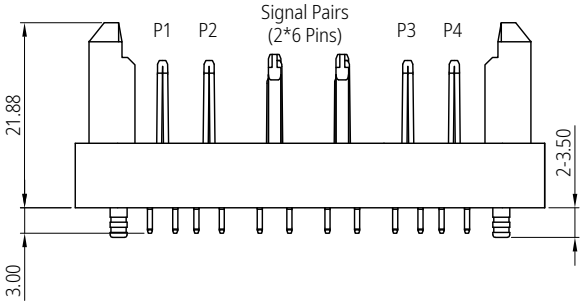
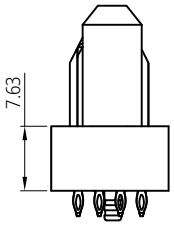
Patented product
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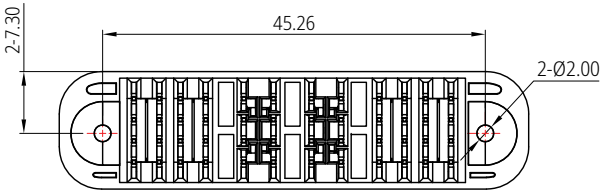


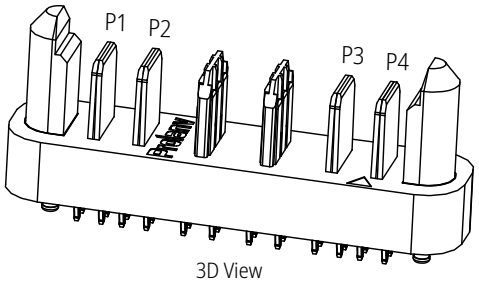

## Typical Mating Sequence



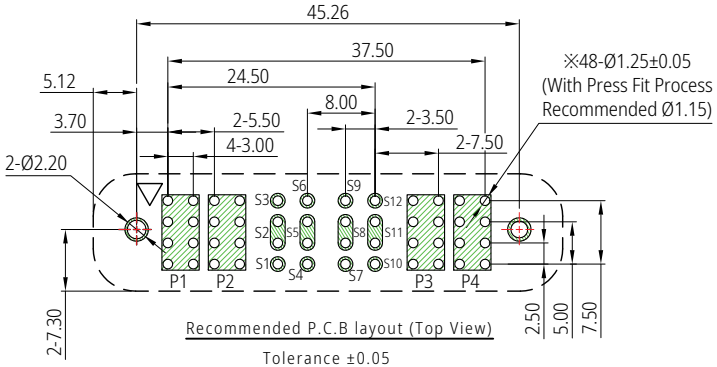




3D View




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;
   1-3. Metal Rod: Alloy.
2. Plating Specification:
   2-1. Contact: Gold plating on Contact area, Matte Tin 80μ" min.
   on Tails, and 80μ" min. Nickel overall;
   2-2. Metal Rod: 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.

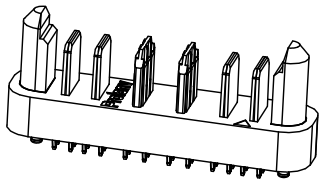
**Part Number: PDC0520F0002**

- Optional Long Power blade 可选项 长电源P组数 | Pairs Code: 1~9 & A~C
- Long Power blade 长电源P组 | 起始位 Start location code: 1~9 & A~C
- Long Power blade 长电源P组 | 终止位 End location code: 1~9 & A~C

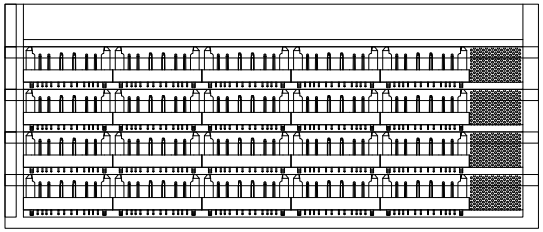
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| GENERAL TOLERANCES UNLESS SPECIFIED | | | PART NO. | Prolanv® |
|---|---|---|---|---|
| .X± 0.30 | .X°± 3° | | PDC0520F0002 | |
| .XX± 0.20 | .X°± 2° | | APPROVED BY Henry | TITLE EN60A series \| Power Male. 4PW+12S, Straight Type |
| .XXX± 0.10 | .XX°± 1° | | | |
| CUSTOMER DRAWING | | | CHECKED BY Poplar | DWG NO. PDC05-22 |
| SIZE | UNITS | | DRAWN BY Kaylee | SHEET 1 / 2 \| SCALE 1:1 \| REV A0 |
| A4 | mm[only] | | | |

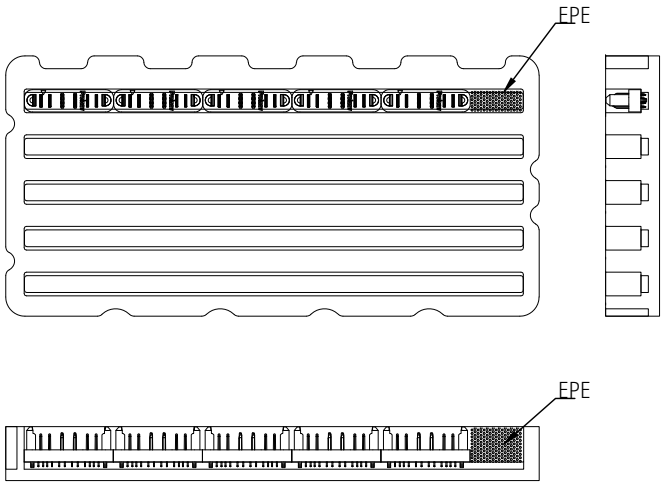
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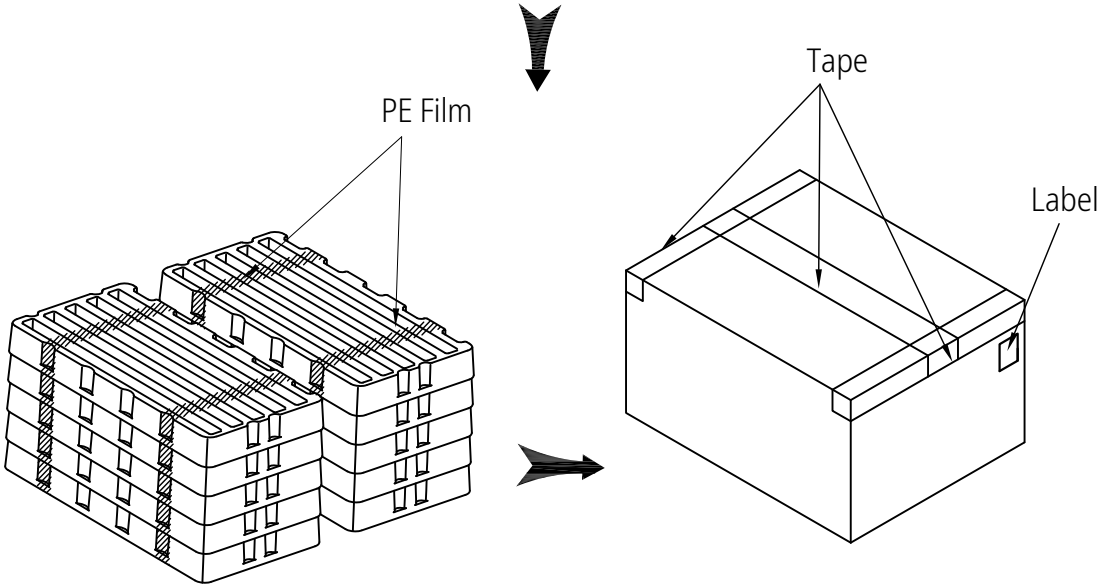


25pcs/Tray



Total 2*4 Layers




Notes:

1. Q'ty: 25Pcs/Tray, 2x4 Layers=200 Pcs/Carton.
2. Tray Pallet size: 332*162*17mm.
3. Carton size: 350*350*155mm.

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| GENERAL TOLERANCES UNLESS SPECIFIED | | PART NO. | Prolanv® |
|---|---|---|---|
| X ± 0.30 | X.° ± 3° | PDC0520F0002 | |
| .XX ± 0.20 | .X° ± 2° | APPROVED BY: Henry | TITLE: EN60A series \| Power Male. 4PW+12S, Straight Type Packaging |
| .XXX ± 0.10 | .XX° ± 1° | | |
| CUSTOMER DRAWING | | CHECKED BY: Poplar | DWG NO. P-PDC05-22 |
| SIZE: A4 | UNITS: mm[only] | DRAWN BY: Tang | SHEET: 2 / 2 · SCALE: NA · REV: A0 |

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