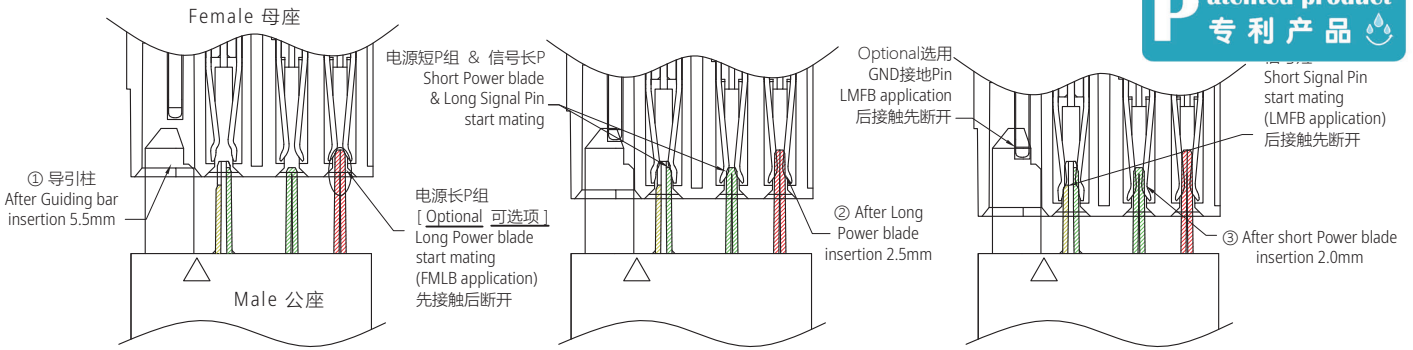
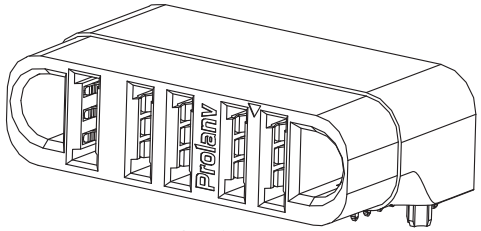
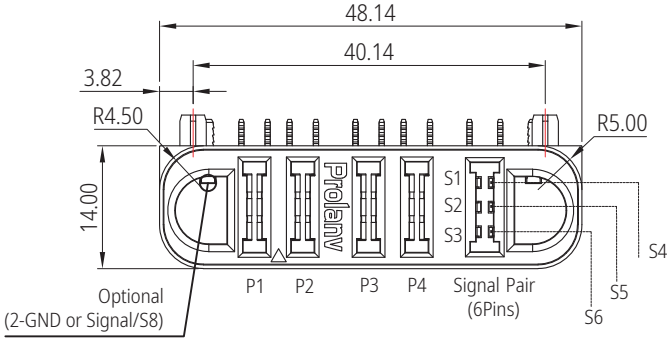
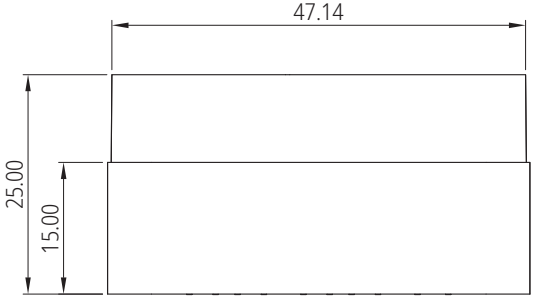
## Typical Mating Sequence

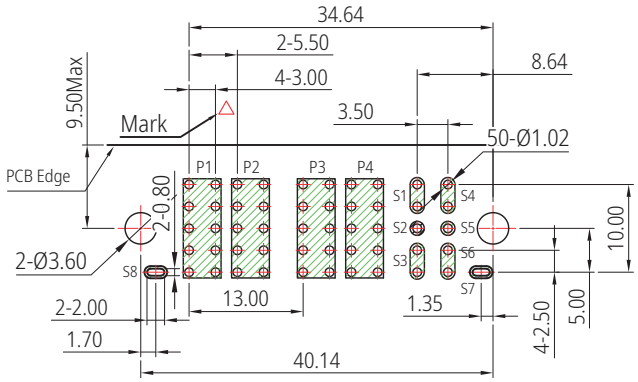



3D View

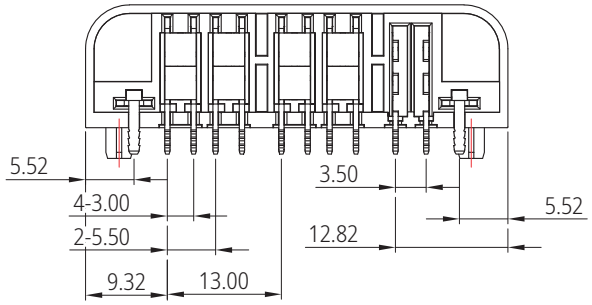


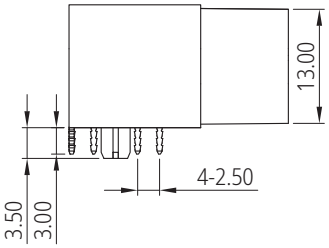




Recommended P.C.B layout

Tolerance ±0.05



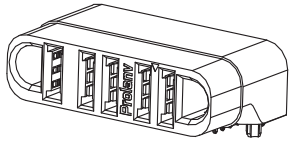

Notes:

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. Waterproof level ≧IPX6 in the mated connector module state.
6. IR Reflow:
   The peak temperature on board shall be maintained for 10 seconds at 260±5°c.
7. Operating Temperature rang: -40~125°C.
8. All parts RoHS and Reach compliant.

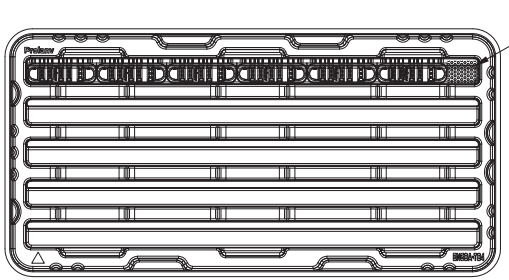
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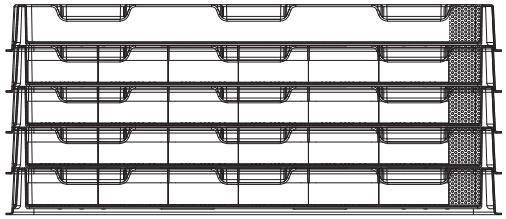
| GENERAL TOLERANCES UNLESS SPECIFIED | | | | PART NO. | Prolanv® |
|---|---|---|---|---|---|
| .X ± | 0.30 | X.° ± | 3° | PDC0220F0001 | |
| .XX ± | 0.20 | .X° ± | 2° | APPROVED BY: Henry | TITLE: EN60A series \| Power Female. 4PW/6+2S, R/A DIP Type |
| .XXX ± | 0.10 | .XX° ± | 1° | | |
| CUSTOMER DRAWING | | | | CHECKED BY: Poplar | DWG NO. PDC02-20 |
| SIZE | | UNITS | | DRAWN BY: Tang | SHEET: 1 / 2 · SCALE: 1:1 · REV: A0 |
| A4 | | mm[only] | | | |

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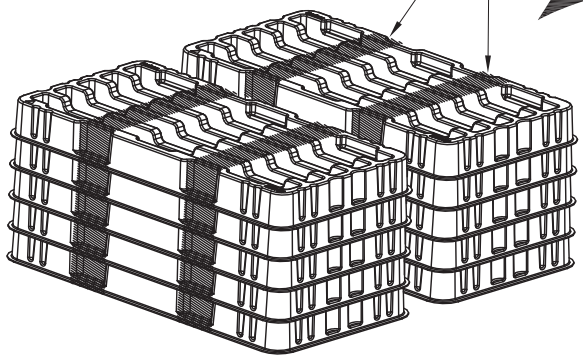


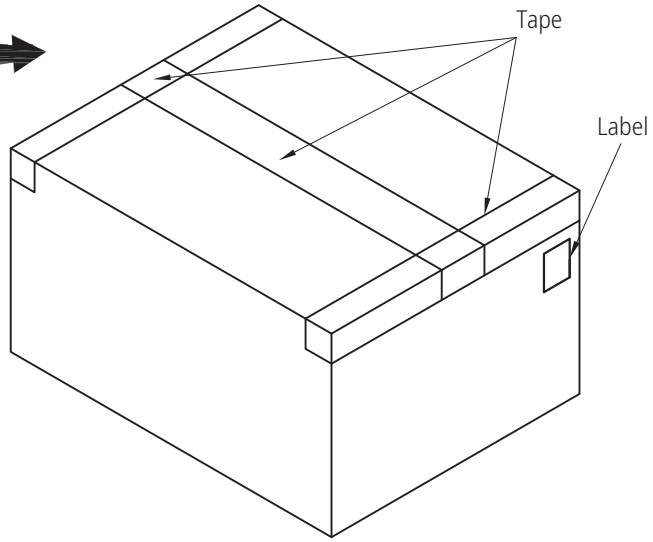
30 Pcs/Tray



Total: 2x4Layers




Notes:

1. Q'ty:30 Pcs/Tray, 2x4 Layers=240 Pcs/Carton.
2. Tray Pallet size: 340*170mm.
3. Carton size: 350*350*155mm.

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| GENERAL TOLERANCES UNLESS SPECIFIED | | PART NO. | Prolanv® |
|---|---|---|---|
| .X ± 0.30 | X.° ± 3° | PDC0220F0001 | |
| .XX ± 0.20 | .X° ± 2° | APPROVED BY: Henry | TITLE: EN60A series \| Power Female. 4PW/6+2S, R/A DIP Type Packaging |
| .XXX ± 0.10 | .XX° ± 1° | | |
| CUSTOMER DRAWING | | CHECKED BY: Poplar | DWG NO.: P-PDC02-20 |
| SIZE: A4 | UNITS: mm[only] | DRAWN BY: Tang | SHEET: 2 / 2 · SCALE: NA · REV: A0 |

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