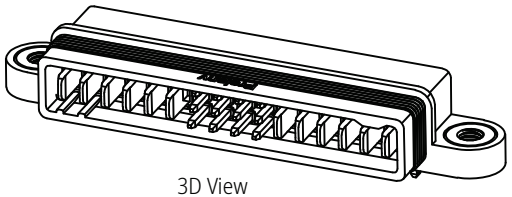
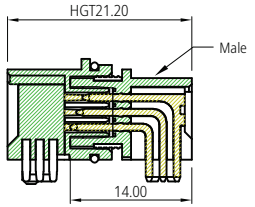
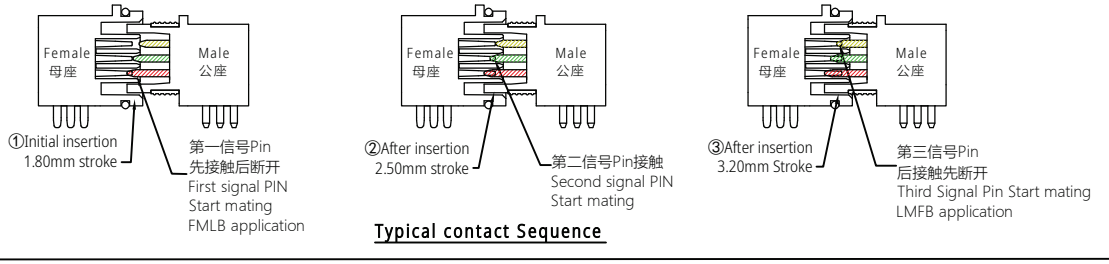
专利产品 Patented Product



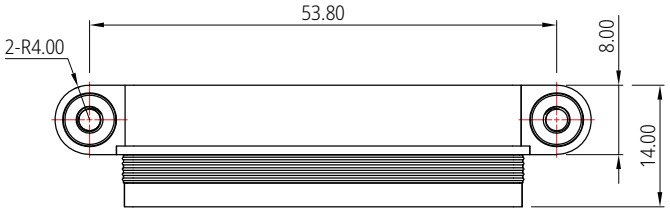
3D View

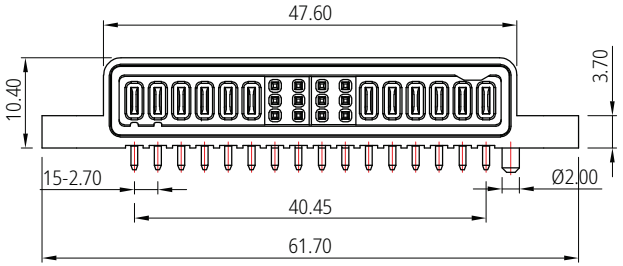


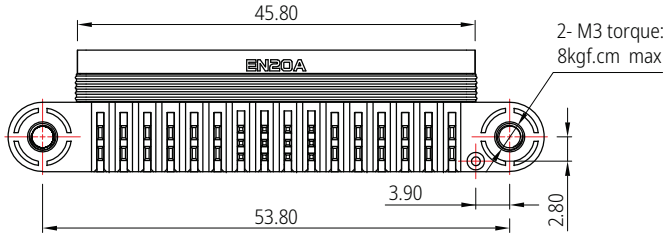

Mating View

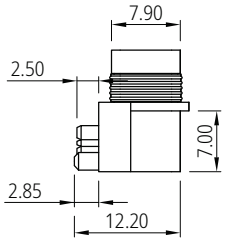


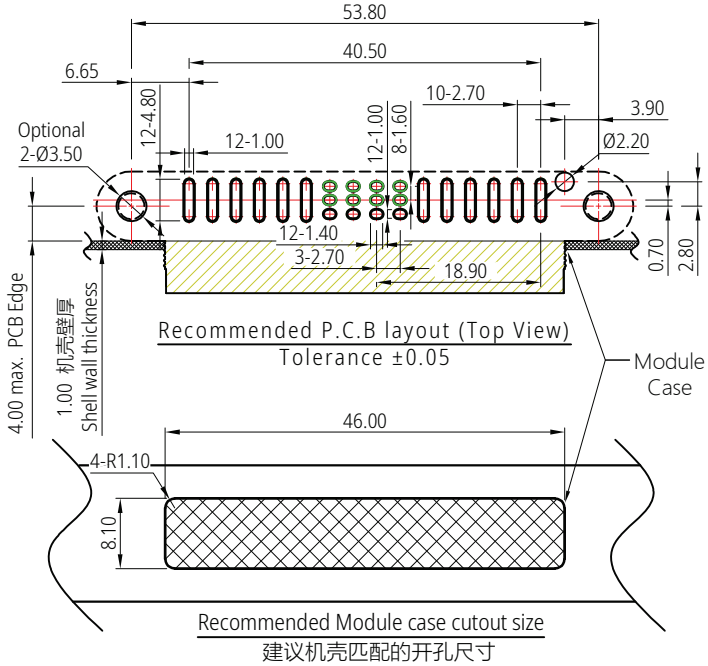

Typical contact Sequence




Notes:

1. Material Specification
   1-1.Housing: High Temperature Thermoplastic, UL94 V-0,
   1-2.Contact: High Conductivity Copper Alloy,
   1-3.Screw-Hole: Copper Alloy.
2. Plating Specification
   Contact: Gold plating on Contact area, Matte Tin 80μ" min. on Tails, and 100μ" min. Nickel overall;
3. Electrical performance
   3-1. Voltage Rating: 125v DC max./power blade, 36v DC/signal pin;
   3-2. Current Rating: 20A max./Per pair power blade, 4A/Per Signal Pin.
   3-3. LLCR:
   initial 0.5mΩ max., finished 1.0mΩ maximum change.(per pair power blade);
   initial 10mΩmax., finished 20mΩ maximum change.(per signal pin).
   3-4. Dielectric Withstanding Voltage: 500v AC (RMS) for 60S
   3-5. Insulation Resistance: 1000 MΩ min/Power blade; 500 MΩ min/Signal Pin.
4. Mechanical Performance:
   4-1. Insertion Force: 9.8N (1.0kgf) max./Per Pair;
   4-2. Withdrawal Force: 3.5~8.5N (0.35~0.86kgf)/Per Pair;
   4-3. Durability Life: 3,000 cycles.
5. IR Reflow
   The peak temperature on board shall be maintained for 10 seconds at 260±5°c.
6. Waterproof Level ≥IPX6 in the mated connector module state.
7. Operating Temperature Range: -40~125°c(without loss function).
8. All parts RoHS and Reach compliant.

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| GENERAL TOLERANCES UNLESS SPECIFIED | | | |
|---|---|---|---|
| .X ± 0.30 | | X.° ± 3° | |
| .XX ± 0.20 | | .X° ± 2° | |
| .XXX ± 0.10 | | .XX° ± 1° | |
| CUSTOMER DRAWING | | | |
| SIZE | UNITS | | |
| A4 | mm[only] | | |

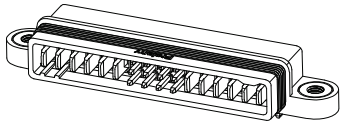
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|---|---|
| PART NO. | PDC6510C0001 |
| APPROVED BY | Henry |
| CHECKED BY | / |
| DRAWN BY | Yang |

Prolanv®

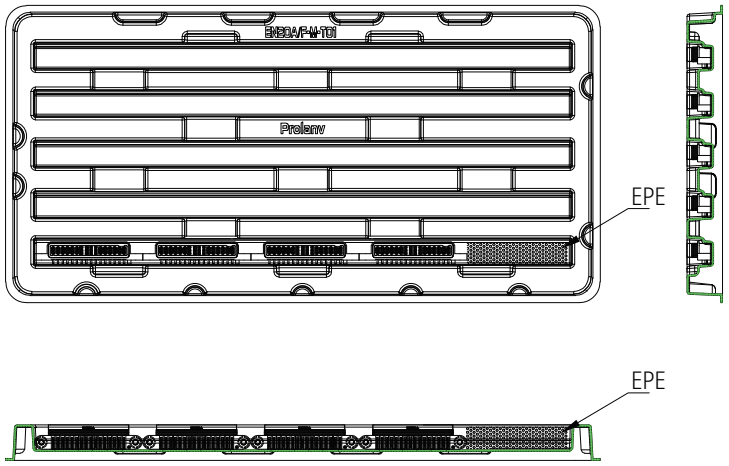
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| DWG NO. | PDC65-10 |

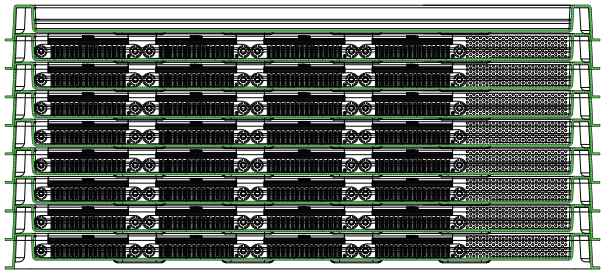
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|---|---|---|
| 1 / 2 | 1:1 | A2 |

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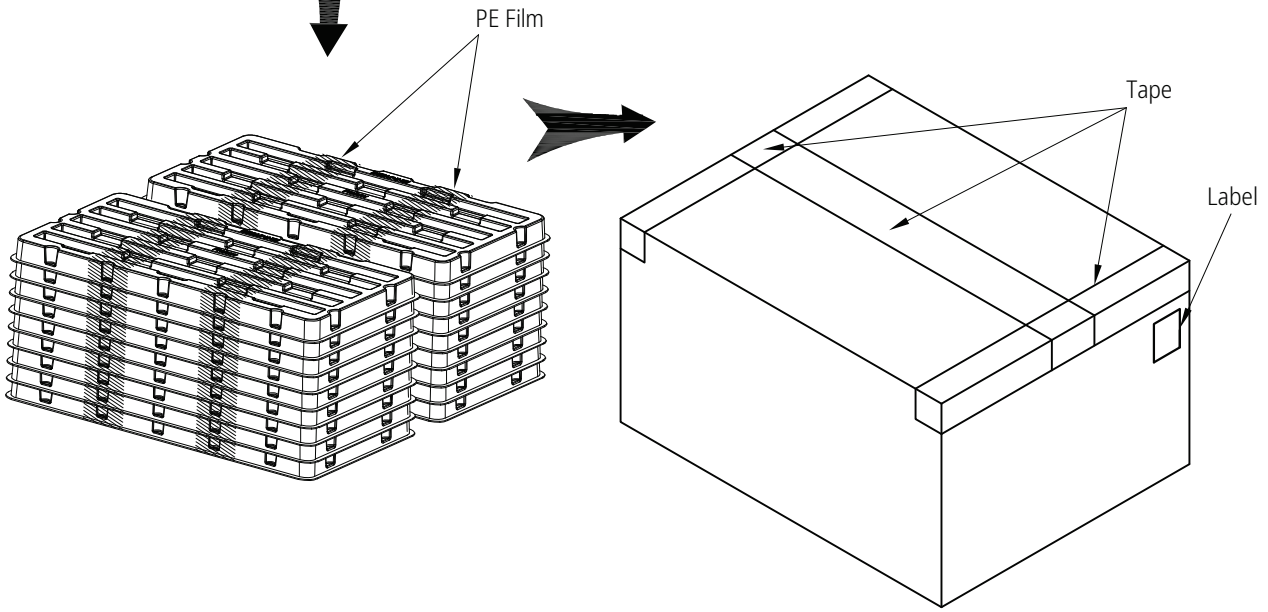


20Pcs/Tray



Total: 2x8Layers




Notes:

1. Q'ty:20 Pcs/Tray, 2x8 Layers=320 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° | PDC6510C0001 | |
| .XX± 0.20 | .X°± 2° | APPROVED BY: Henry | TITLE: EN20A series \| Power Male R/A DIP Type. 12PW+12S. Packaging |
| .XXX± 0.10 | .XX°± 1° | | |
| CUSTOMER DRAWING | | CHECKED BY: Poplar | DWG NO.: P-PDC65-10 |
| SIZE: A4 | UNITS: mm[only] | DRAWN BY: Bing | SHEET: 2 / 2 · SCALE: NA · REV: A1 |

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