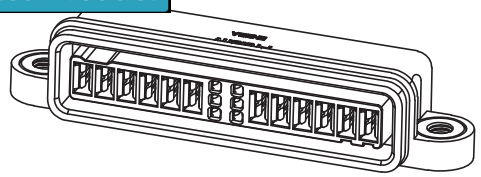
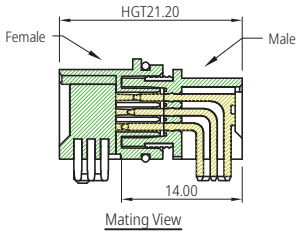
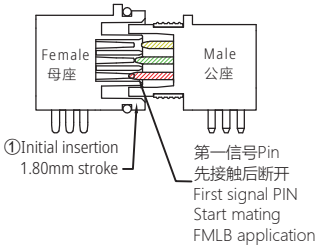
专利产品 Patented Product



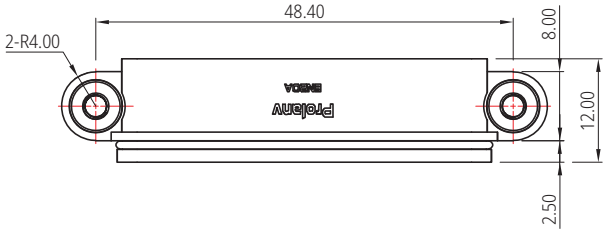
3D View

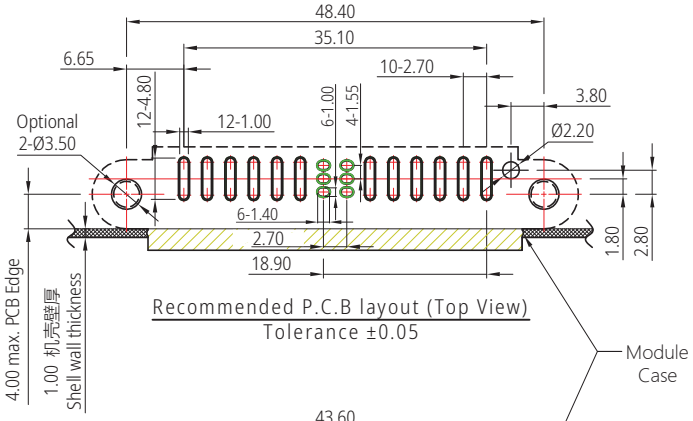



Mating View

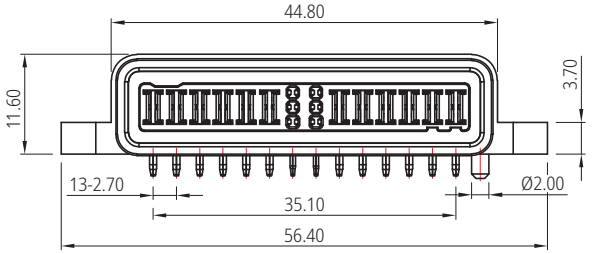


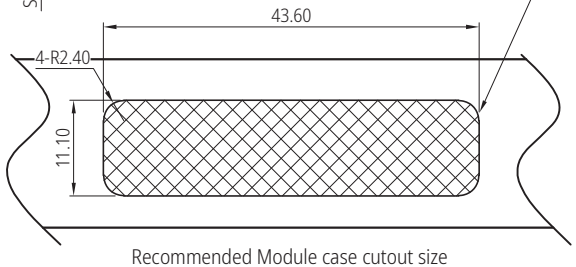

Typical contact Sequence



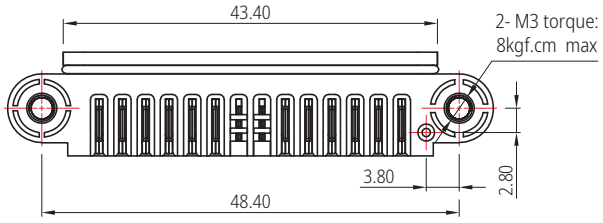



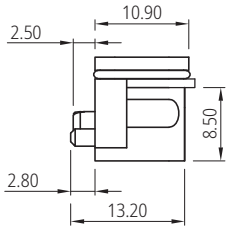

Recommended P.C.B layout (Top View)
Tolerance ±0.05




Recommended Module case cutout size
建议机壳匹配的开孔尺寸




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 | | PART NO. | PDC6410C0001 |
| SIZE | UNITS | APPROVED BY | Henry |
| A4 | mm[only] | CHECKED BY | Poplar |
| | | DRAWN BY | Bing |

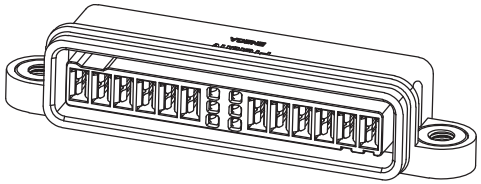
Prolanv®

TITLE: EN20A series | Power Female R/A DIP Type. 12PW+6S

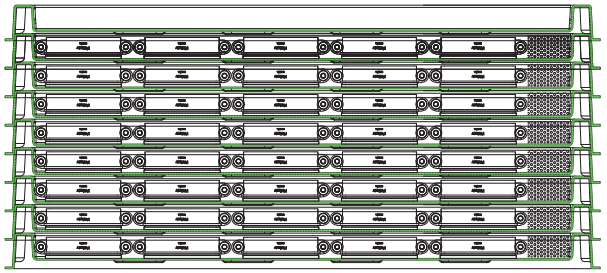
DWG NO. PDC64-10

| SHEET | SCALE | REV |
|---|---|---|
| 1 / 2 | 1:1 | A2 |

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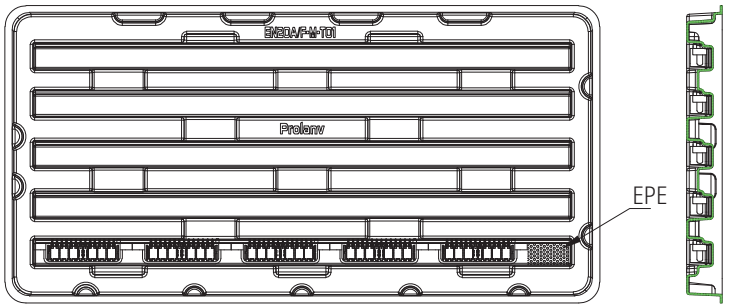


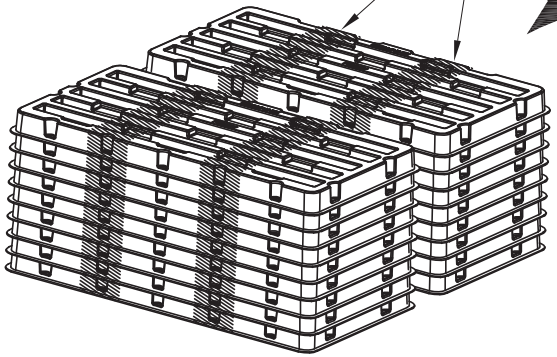
25Pcs/Tray

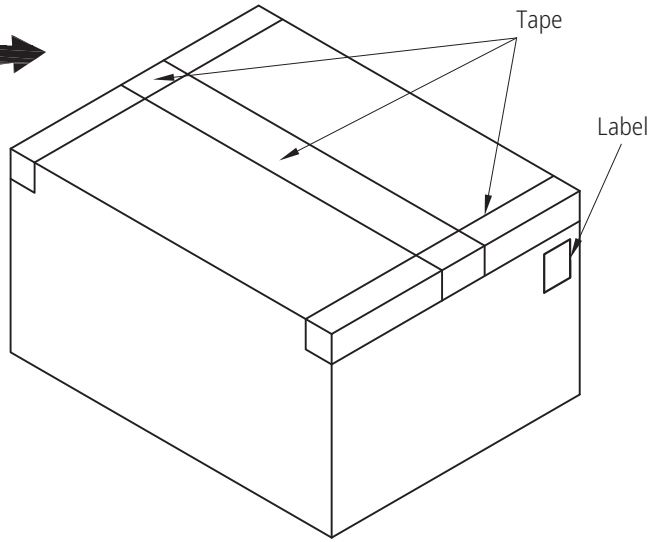


Total: 2x8Layers

PE Film






Notes:

1. Q'ty:25 Pcs/Tray, 2x8 Layers=400 Pcs/Carton.
2. Tray Pallet size: 340*170mm.
3. Carton size: 350*350*155mm.

| | | | |
|---|---|---|---|
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| | | APPROVED BY Henry | TITLE EN20A series \| Power Female R/A DIP Type. 12PW+6S Packaging |
| | CUSTOMER DRAWING | CHECKED BY Poplar | DWG NO. P-PDC64-10 |
| | SIZE A4 / UNITS mm[only] | DRAWN BY Bing | SHEET 2 / 2 · SCALE NA · REV A2 |

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